DELTA
2025
PLANNING BUDGETS

Mississippi State University
Department of Agricultural Economics
Budget Report 2024-05

November 2024

Foreword

This report is designed to provide necessary planning data to farmers, research and extension staffs, lending agencies, and others in agriculture. Readers are cautioned that returns presented are labeled "**Returns Above Specified Expenses**." Estimated costs for land, management, and general farm overhead are not included in this report. The exception is unallocated labor, which is included. "**Returns Above Direct Expenses**" should be used in making 2025 planning decisions. This would be a one-year short-run decision. Decisions beyond one year, or long-run decisions, should be based on "**Returns Above Specified Expenses**."

Acknowledgments

A list of individuals who contributed to the development of the agricultural enterprise budgets follows this acknowledgment. The administrative committee structure and enterprise committees have shown a spirit of cooperation seldom found when so many work together. A team effort has led to many improvements in the budgets over the years.

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The mention in this report of any commercial product does not imply its endorsement by MSU-ES, MAFES, or USDA over other products not named nor does the omission imply they are not satisfactory.

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2025 Planning Budgets

Budgets for Agricultural Enterprises

This publication provides economic and technical information in the form of enterprise budgets for a major crop produced by Mississippi farmers. A multidisciplinary approach involving researchers and extension personnel was used to determine production practices and input quantities, and to estimate costs and returns for each enterprise (14). The purpose of this section is to present the methods and procedures used to calculate costs and returns for each budget included in this publication.

Enterprise budgets represent a type of information that can be used by a wide variety of individuals in making decisions in the food and fiber industry. They are used:

- by farmers for planning,
- by extension personnel in providing educational programs to farmers,
- by lenders as a basis for credit,
- to provide basic data for research, and
- to inform non-farmers of the costs incurred by farmers in the production of food and fiber crops.

A budget should be prepared with a specific objective in mind. The budgets in this report were prepared to provide general information for several different uses. They provide information concerning general levels of costs and returns which will need to be adjusted for specific situations. Most users should think of these budgets as a first approximation and then make appropriate adjustments using the "Your Farm" column provided on each budget to add, delete, or change costs or incomes to reflect their specific situations.

Methods and Procedures

Production Practices

The production practices listed in each budget are the result of a combined effort by researchers and extension personnel to represent those practices that producers could use in a specific production system. Producers might use different practices in their own operations. If different types and quantities of operating inputs are to be used, then the budgeted expenses should be changed to more accurately reflect actual input usage.

Committees made up of appropriate disciplines from the Mississippi Agricultural and Forestry Experiment Station, the Mississippi State University Extension Service, and the U.S. Department of Agriculture review and update the practices in the budgets every year. The updates are based on the collective judgment of the committee members. Quantities of materials and individual production practices budgeted are based on generally accepted recommendations by committee members.

Machinery

Machinery manufacturers form the basis for machinery prices used in these publications. Prices by size of equipment are determined from the most common sales in each category as reported by machinery dealers. Prices used in the budgets reflect prices paid by farmers in 2024. (Appendix Tables 1, 2, and 3).

A performance rate reflects the time required to perform a given task or operation and is expressed as that part of an hour per acre. Previous studies and expert knowledge of the equipment committee members are used to estimate performance rates for new and larger equipment (1, 4, 5, 6, 7, 9, and 13).

The hours of annual use have been modified based on information collected from the cited studies (3, 4, 6, and 7).

Repairs and maintenance as a percentage of new cost are estimated for the life of the equipment and include oil and lubricants (1, 4, and 6).

Estimates of Direct Costs

Direct costs include estimated costs of repairs and maintenance (R&M) for all machinery and include fuel costs for powered machinery (Appendix Tables 1, 2, and 3). Direct costs are estimated on an hourly basis and are then converted to a per-acre basis using the performance rate for the particular operation. R&M costs for towed equipment and powered equipment are estimated as follows:

$$RPH = \frac{RLC \; x \; RP}{THL}$$

$$RPA = RPH \; x \; PR$$

where:

RPH = R&M cost per hour of use
RLC = Replacement cost of machine
RP = R&M percentage (percent of RLC)
THL = Total hours of machine life
RPA = R&M cost per acre
PR = Performance rate

Direct costs include an estimate of fuel cost based on average fuel consumption per hour of use for the power unit. Other components of direct costs include quantities of materials used in production multiplied by the price per unit of these inputs, custom rates, hourly wage rates, and interest charges on operating capital (Appendix Tables 4, 5, and 6).

The labor wage rate per hour includes social security, accident and unemployment insurance, and some perquisites (11). Labor costs are estimated for four labor categories: operator labor, hand labor, irrigation labor, and unallocated labor. Operator labor and hand labor represent estimates of labor required to perform the in-field tasks. Operator labor is that labor required to operate all power-driven equipment. Irrigation labor is used to perform tasks associated with an irrigation system. Unallocated labor is an estimate of labor that is not used directly in producing the enterprise. Its cost is estimated as a percentage of operator labor (11). The percentages used for the various crop enterprises are listed in Appendix Table 6.

Interest on operating capital is determined by using a short-term interest rate obtained from agricultural lenders and making a charge against capital outflows as the production process takes place. Interest is accumulated until the crop is harvested.

Estimates of Fixed Costs

Annual fixed cost estimates for machinery are based on a budgeting technique which computes the annual capital recovery charge (2, p. 143). When a combination of machines or equipment is required to perform a single operation, the total cost per acre for all equipment used in the operation is estimated. The fixed cost of machinery ownership is calculated by first computing the capital recovery factor and then using it to estimate the annual capital recovery charge.

$$CRF = \frac{IIR}{1 - (1 + IIR)^{-TYL}}$$

where:

CRF = Capital recovery factor
IIR = Intermediate-term interest rate
TYL = Total years of life

$$CRCPY = [(RLC - SV) \; x \; CRF] + (SV \; x \; IIR)$$

where:

CRCPY = Capital recovery charge per year
RLC = Replacement cost
SV = Salvage value (at end of useful life)

This value is then converted to its per-hour and per-acre equivalent values:

$$CRCPH = \frac{CRCPY}{HAU}$$

$$CRCPA = CRCPH \times PR$$

where:

CRCPH = Capital recovery charge per hour
HAU = Hours of annual use
CRCPA = Capital recovery charge per acre
PR = Performance rate

Estimates of Returns

It is difficult to estimate crop yields that may be expected for a particular production system in a given year. Crop yields used in the budgets are representative of historical yields modified to match the production system used to produce the yield. All yields including conventional, no-tillage, irrigation, and double-cropping are tempered with unpublished research and judgments of the commodity committees. Producers should use yield estimates that are reflective of their own operation.

To estimate returns, a price for the commodity must be used. Individual producers must determine their own expected price for the commodity. Commodity prices used in this report represent the higher of a calculated forward contract price or the loan rate that was applicable for the 2024 crop year. Government payments for commodities are not included in the budgets except to the extent that they are included in loan rates.

The futures price for an appropriate contract month is determined by averaging the closing prices for the first five trading days in October. The basis is determined by subtracting the average daily cash price for the month of October from the average daily closing price of the specified harvest month futures contract. These average futures prices and the basis adjustments are presented in Appendix Table 7.

A special table is presented to illustrate the effects of alternative levels of yields and prices on net returns. The budgeted yield and the budgeted price are used as base values (100 percent). Yields are then varied from 50 to 150 percent of the base yield while prices are varied from 75 to 125 percent of the base price. Net returns are computed for each combination of yield and price.

Irrigation Costs

Estimated costs of various irrigation systems are presented in Appendix Tables 8 through 18. A dryland crop budget may be converted to an irrigated crop budget by adding the appropriate direct and fixed costs to the costs of the dryland crop. Also, adjustments in crop yields and other costs may be required with the addition of supplemental irrigation.

Net Returns

Net returns are generally considered to be the amount left after subtracting all costs from all incomes for a particular enterprise. In these budgets, "RETURNS ABOVE DIRECT EXPENSES" and "RETURNS ABOVE TOTAL SPECIFIED EXPENSES" are used as a proxy for the economic concepts of net returns above variable costs and net returns above variable plus fixed costs, respectively. Some items are intentionally left out of these calculations, i.e., costs for land or land rent, taxes, insurance premiums, general farm overhead, and expected incomes from government payments or insurance payments. These costs and incomes vary widely among farms and farm situations so as to make routine calculation for representative situations impractical. These items should, however, be considered by each producer and factored into the final budget each producer develops for his own situation.

Enterprise Budgets

Table 1.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_____
Tractors	acre	4.89	1.0000	4.89	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
INTEREST ON OP. CAP.	acre	30.47	1.0000	30.47	_____

TOTAL DIRECT EXPENSES				892.94	_____
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_____
Tractors	acre	37.84	1.0000	37.84	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____

TOTAL FIXED EXPENSES				202.69	_____

TOTAL SPECIFIED EXPENSES				1095.63	_____

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 1.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_____
Cotton Seed	lb	0.11	1620.0000	178.20	_____

TOTAL INCOME				1042.32	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	88.11	1.0000	88.11	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
OPERATOR LABOR	hour	18.69	0.6069	11.34	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL	gal	2.86	11.0501	31.59	_____
REPAIR & MAINTENANCE	acre	45.85	1.0000	45.85	_____
INTEREST ON OP. CAP.	acre	30.47	1.0000	30.47	_____

TOTAL DIRECT EXPENSES				892.94	_____
RETURNS ABOVE DIRECT EXPENSES				149.38	_____
TOTAL FIXED EXPENSES				202.69	_____

TOTAL SPECIFIED EXPENSES				1095.63	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-53.31	_____

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 1.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.60	0.39	0.92	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 1.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		761.79	31.59	45.85	23.24	0.00	30.47	892.94	202.69	1095.63

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 1.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.37	3.49	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	261.18	104.80	70.77	37.89	33.40	193.40
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-261.18	-104.80	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-452.68	-557.48	-628.25	-666.14	-699.54	149.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 1.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-324	-302	-281	-259	-237	-216	-194	-173	-151	-129	-108
			-526	-505	-483	-462	-440	-418	-397	-375	-354	-332	-310
60	720.00	lb	-272	-246	-220	-194	-169	-143	-117	-91	-65	-39	-13
			-475	-449	-423	-397	-371	-345	-319	-293	-268	-242	-216
70	840.00	lb	-221	-190	-160	-130	-100	-69	-39	-9	20	50	81
			-423	-393	-363	-333	-302	-272	-242	-212	-181	-151	-121
80	960.00	lb	-169	-135	-100	-65	-31	3	37	72	106	141	175
			-372	-337	-303	-268	-234	-199	-164	-130	-95	-61	-26
90	1080.00	lb	-118	-79	-40	-1	37	76	115	154	192	231	270
			-320	-281	-243	-204	-165	-126	-87	-48	-9	29	67
100	1200.00	lb	-66	-23	19	62	106	149	192	235	278	322	365
			-269	-226	-182	-139	-96	-53	-10	33	76	119	162
110	1320.00	lb	-15	32	79	127	174	222	270	317	365	412	460
			-217	-170	-122	-75	-27	19	67	114	162	209	257
120	1440.00	lb	36	88	140	191	243	295	347	399	451	503	554
			-166	-114	-62	-10	41	92	144	196	248	300	352
130	1560.00	lb	87	144	200	256	312	368	424	481	537	593	649
			-114	-58	-2	53	109	166	222	278	334	390	446
140	1680.00	lb	139	199	260	320	381	441	502	562	623	683	744
			-63	-2	57	118	178	239	299	360	420	481	541
150	1800.00	lb	190	255	320	385	450	514	579	644	709	774	839
			-11	53	117	182	247	312	377	441	506	571	636

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 2.A Estimated costs per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.7500	43.13	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_____
Transform WG	oz	9.34	1.5000	14.01	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	51.0000	2.55	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5025	9.39	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2737	20.78	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
Roll-Out Pipe Irr.	gal	2.86	8.5535	24.45	_____
REPAIR & MAINTENANCE					
Implements	acre	12.07	1.0000	12.07	_____
Tractors	acre	5.78	1.0000	5.78	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_____
INTEREST ON OP. CAP.	acre	32.25	1.0000	32.25	_____

TOTAL DIRECT EXPENSES				989.26	_____
FIXED EXPENSES					
Implements	acre	24.17	1.0000	24.17	_____
Tractors	acre	44.81	1.0000	44.81	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_____

TOTAL FIXED EXPENSES				288.47	_____

TOTAL SPECIFIED EXPENSES				1277.73	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 2.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_____
Cotton Seed	lb	0.11	2025.0000	222.75	_____

TOTAL INCOME				1302.90	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	165.00	1.0000	165.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	95.61	1.0000	95.61	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	2.55	1.0000	2.55	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_____
OPERATOR LABOR	hour	18.69	0.7101	13.27	_____
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_____
DIESEL FUEL	gal	2.86	20.7109	59.20	_____
REPAIR & MAINTENANCE	acre	54.86	1.0000	54.86	_____
INTEREST ON OP. CAP.	acre	32.25	1.0000	32.25	_____

TOTAL DIRECT EXPENSES				989.26	_____
RETURNS ABOVE DIRECT EXPENSES				313.64	_____
TOTAL FIXED EXPENSES				288.47	_____

TOTAL SPECIFIED EXPENSES				1277.73	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				25.17	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 2.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	1.00	Nov		0.04	0.04	0.04	0.03
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Mepiquat Chloride	oz					19.0000				
Centric 40WG	oz					2.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
Roll-Out Pipe Irr.	acre				Jan	1.0000	0.07	0.07	0.44	
TOTALS							0.71	0.50	1.38	0.50

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 2.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		2.18	2.01	1.66		0.48	6.33	9.32	15.65
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.13	4.97	5.14	10.11
Engenia	oz	13.57					0.37	13.94		13.94
Glyphosate 3lbs a.e	oz	3.84					0.11	3.95		3.95
Dual Magnum	pt	10.11					0.28	10.39		10.39
Mepiquat Chloride	oz	0.95					0.03	0.98		0.98
Centric 40WG	oz	14.58					0.40	14.98		14.98
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
Roll-Out Pipe Irr.	acre	7.92	26.52	8.00	4.77		1.34	48.55	81.12	129.67
TOTALS		814.11	59.20	54.86	28.84	0.00	32.25	989.26	288.47	1277.73

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 2.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	0.00	27.52	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	5.12	64.97	22.14	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.46	0.00	0.00	0.00	0.00	1.97	4.62	5.10	1.93	0.23	0.69	10.84
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.55	0.00	0.00	0.00	0.00	2.28	4.85	11.40	10.12	8.15	0.47	17.38
REPAIR & MAINTENANCE	4.62	0.00	0.00	0.00	0.00	1.70	3.82	6.50	2.57	1.40	0.20	34.05
INTEREST ON OP. CAP.	8.22	0.00	0.00	0.00	1.93	2.28	10.38	2.66	3.80	0.95	0.47	1.56
TOTAL DIRECT EXPENSES	108.05	0.00	0.00	0.00	36.99	49.63	261.42	80.10	141.59	47.87	34.78	228.83
NET INCOME	-108.05	0.00	0.00	0.00	-36.99	-49.63	-261.42	-80.10	-141.59	-47.87	-34.78	1074.07
NET INCOME TO DATE	-108.05	-108.05	-108.05	-108.05	-145.04	-194.67	-456.09	-536.19	-677.78	-725.65	-760.43	313.64

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 2.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-278	-251	-224	-197	-170	-143	-116	-89	-62	-35	-8
			-566	-539	-512	-485	-458	-431	-404	-377	-350	-323	-296
60	900.00	lb	-213	-181	-149	-116	-84	-51	-19	12	45	77	110
			-502	-470	-437	-405	-372	-340	-308	-275	-243	-210	-178
70	1050.00	lb	-149	-111	-73	-36	1	39	77	115	152	190	228
			-438	-400	-362	-324	-286	-249	-211	-173	-135	-97	-60
80	1200.00	lb	-85	-41	1	44	87	130	174	217	260	303	346
			-373	-330	-287	-244	-200	-157	-114	-71	-28	15	58
90	1350.00	lb	-20	27	76	125	173	222	270	319	368	416	465
			-309	-260	-212	-163	-114	-66	-17	30	79	128	176
100	1500.00	lb	43	97	151	205	259	313	367	421	475	529	583
			-244	-190	-136	-82	-28	25	79	133	187	241	295
110	1650.00	lb	108	167	226	286	345	405	464	523	583	642	702
			-180	-121	-61	-2	57	116	175	235	294	354	413
120	1800.00	lb	172	237	302	366	431	496	561	626	690	755	820
			-116	-51	13	78	143	207	272	337	402	467	532
130	1950.00	lb	236	307	377	447	517	587	658	728	798	868	938
			-51	18	88	158	229	299	369	439	510	580	650
140	2100.00	lb	301	376	452	528	603	679	754	830	906	981	1057
			12	88	163	239	315	390	466	541	617	693	768
150	2250.00	lb	365	446	527	608	689	770	851	932	1013	1094	1175
			77	158	239	320	401	482	563	644	725	806	887

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices .

Table 3.A Estimated costs per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.7500	43.13	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_____
Tractors	acre	4.89	1.0000	4.89	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_____
INTEREST ON OP. CAP.	acre	32.67	1.0000	32.67	_____
TOTAL DIRECT EXPENSES				995.21	_____
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_____
Tractors	acre	37.84	1.0000	37.84	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____
TOTAL FIXED EXPENSES				302.19	_____
TOTAL SPECIFIED EXPENSES				1297.40	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 3.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_____
Cotton Seed	lb	0.11	2025.0000	222.75	_____

TOTAL INCOME				1302.90	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	165.00	1.0000	165.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	95.61	1.0000	95.61	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.6069	11.34	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL	gal	2.86	22.2512	63.62	_____
REPAIR & MAINTENANCE	acre	67.80	1.0000	67.80	_____
INTEREST ON OP. CAP.	acre	32.67	1.0000	32.67	_____

TOTAL DIRECT EXPENSES				995.21	_____
RETURNS ABOVE DIRECT EXPENSES				307.69	_____
TOTAL FIXED EXPENSES				302.19	_____

TOTAL SPECIFIED EXPENSES				1297.40	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				5.50	_____

Note: Cost of production estimates are based on 2024 input prices.

Table 3.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.60	0.39	1.12	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 3.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		806.04	63.62	67.80	25.08	0.00	32.67	995.21	302.19	1297.40

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 3.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	50.39	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	5.73	4.27	0.20	0.15	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	14.29	12.81	9.61	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	21.56	1.99	1.49	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.42	4.46	2.63	0.98	0.45	1.54
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	262.57	134.00	97.75	49.37	33.40	226.62
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-262.57	-134.00	-97.75	-49.37	-33.40	1076.28
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-454.07	-588.07	-685.82	-735.19	-768.59	307.69

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-284	-257	-230	-203	-176	-149	-122	-95	-68	-41	-14
			-586	-559	-532	-505	-478	-451	-424	-397	-370	-343	-316
60	900.00	lb	-219	-187	-155	-122	-90	-57	-25	6	39	71	104
			-522	-489	-457	-424	-392	-360	-327	-295	-262	-230	-198
70	1050.00	lb	-155	-117	-79	-42	-4	33	71	109	146	184	222
			-457	-419	-382	-344	-306	-268	-230	-193	-155	-117	-79
80	1200.00	lb	-91	-47	-4	38	81	124	168	211	254	297	340
			-393	-350	-306	-263	-220	-177	-134	-90	-47	-4	38
90	1350.00	lb	-26	21	70	119	167	216	264	313	362	410	459
			-328	-280	-231	-183	-134	-85	-37	11	59	108	157
100	1500.00	lb	37	91	145	199	253	307	361	415	469	523	577
			-264	-210	-156	-102	-48	5	59	113	167	221	275
110	1650.00	lb	102	161	220	280	339	399	458	517	577	636	696
			-200	-140	-81	-21	37	96	156	215	275	334	393
120	1800.00	lb	166	231	296	360	425	490	555	620	684	749	814
			-135	-70	-6	58	123	188	253	317	382	447	512
130	1950.00	lb	230	301	371	441	511	581	652	722	792	862	932
			-71	-1	69	139	209	279	349	420	490	560	630
140	2100.00	lb	295	370	446	522	597	673	748	824	900	975	1051
			-6	68	144	219	295	371	446	522	597	673	749
150	2250.00	lb	359	440	521	602	683	764	845	926	1007	1088	1169
			57	138	219	300	381	462	543	624	705	786	867

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 4.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	25.4000	61.21	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2712	5.07	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_____
DIESEL FUEL					
Tractors	gal	2.86	4.1890	11.97	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
REPAIR & MAINTENANCE					
Implements	acre	7.72	1.0000	7.72	_____
Tractors	acre	3.32	1.0000	3.32	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
INTEREST ON OP. CAP.	acre	28.09	1.0000	28.09	_____

TOTAL DIRECT EXPENSES				853.85	_____
FIXED EXPENSES					
Implements	acre	12.47	1.0000	12.47	_____
Tractors	acre	25.71	1.0000	25.71	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____

TOTAL FIXED EXPENSES				183.20	_____

TOTAL SPECIFIED EXPENSES				1037.05	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 4.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_____
Cotton Seed	lb	0.11	1620.0000	178.20	_____

TOTAL INCOME				1042.32	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	101.85	1.0000	101.85	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	88.11	1.0000	88.11	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.2897	2.61	_____
OPERATOR LABOR	hour	18.69	0.4788	8.95	_____
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_____
DIESEL FUEL	gal	2.86	9.0726	25.94	_____
REPAIR & MAINTENANCE	acre	40.89	1.0000	40.89	_____
INTEREST ON OP. CAP.	acre	28.09	1.0000	28.09	_____

TOTAL DIRECT EXPENSES				853.85	_____
RETURNS ABOVE DIRECT EXPENSES				188.47	_____
TOTAL FIXED EXPENSES				183.20	_____

TOTAL SPECIFIED EXPENSES				1037.05	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				5.27	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 4.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					25.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.47	0.27	0.76	0.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 4.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	61.21					2.10	63.31		63.31
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		740.20	25.94	40.89	18.73	0.00	28.09	853.85	183.20	1037.05

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 4.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	61.21	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.48	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	4.94	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	4.17	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	1.93	0.00	10.39	4.17	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	36.99	0.00	261.73	125.29	70.77	37.89	33.40	193.40
NET INCOME	-94.38	0.00	0.00	0.00	-36.99	0.00	-261.73	-125.29	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-131.37	-131.37	-393.10	-518.39	-589.16	-627.05	-660.45	188.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 4.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-285	-263	-241	-220	-198	-177	-155	-133	-112	-90	-69
			-468	-446	-425	-403	-381	-360	-338	-317	-295	-273	-252
60	720.00	lb	-233	-207	-181	-155	-129	-104	-78	-52	-26	-0	25
			-416	-390	-364	-339	-313	-287	-261	-235	-209	-183	-157
70	840.00	lb	-182	-151	-121	-91	-61	-30	-0	29	59	90	120
			-365	-335	-304	-274	-244	-214	-183	-153	-123	-93	-62
80	960.00	lb	-130	-96	-61	-26	7	42	76	111	145	180	215
			-313	-279	-244	-210	-175	-140	-106	-71	-37	-2	31
90	1080.00	lb	-79	-40	-1	37	76	115	154	193	232	270	309
			-262	-223	-184	-145	-106	-67	-28	9	48	87	126
100	1200.00	lb	-27	15	58	102	145	188	231	274	318	361	404
			-210	-167	-124	-81	-37	5	48	91	134	178	221
110	1320.00	lb	23	71	119	166	214	261	309	356	404	451	499
			-159	-111	-64	-16	30	78	125	173	220	268	316
120	1440.00	lb	75	127	179	231	282	334	386	438	490	542	593
			-107	-55	-4	47	99	151	203	255	307	358	410
130	1560.00	lb	126	183	239	295	351	407	464	520	576	632	688
			-56	-0	56	112	168	224	280	336	393	449	505
140	1680.00	lb	178	239	299	359	420	480	541	601	662	722	783
			-4	55	116	176	237	297	358	418	479	539	600
150	1800.00	lb	230	294	359	424	489	554	618	683	748	813	878
			46	111	176	241	306	370	435	500	565	630	694

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 5.A Estimated costs per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	811.0000	89.21	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	32.5498	78.45	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	1.3400	9.77	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	30.0000	98.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	42.7200	2.14	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.8159	15.25	_____
Self-Propelled	hour	18.69	0.1958	3.66	_____
HAND LABOR					
Implements	hour	9.06	0.3181	2.87	_____
Self-Propelled	hour	9.06	0.1840	1.66	_____
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_____
DIESEL FUEL					
Tractors	gal	2.86	12.6003	36.03	_____
Self-Propelled	gal	2.86	3.4035	9.74	_____
REPAIR & MAINTENANCE					
Implements	acre	14.66	1.0000	14.66	_____
Tractors	acre	10.00	1.0000	10.00	_____
Self-Propelled	acre	10.05	1.0000	10.05	_____
INTEREST ON OP. CAP.	acre	27.78	1.0000	27.78	_____

TOTAL DIRECT EXPENSES				800.76	_____
FIXED EXPENSES					
Implements	acre	28.17	1.0000	28.17	_____
Tractors	acre	77.32	1.0000	77.32	_____
Self-Propelled	acre	49.54	1.0000	49.54	_____

TOTAL FIXED EXPENSES				155.03	_____

TOTAL SPECIFIED EXPENSES				955.79	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 5.B Summary of estimated costs and returns per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	811.0000	584.00	_____
Cotton Seed	lb	0.11	1095.0000	120.45	_____

TOTAL INCOME				704.45	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	89.21	1.0000	89.21	_____
FERTILIZERS	acre	119.08	1.0000	119.08	_____
FUNGICIDES	acre	13.40	1.0000	13.40	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	83.30	1.0000	83.30	_____
SEED/PLANTS	acre	98.10	1.0000	98.10	_____
GROWTH REGULATORS	acre	2.14	1.0000	2.14	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.5022	4.53	_____
OPERATOR LABOR	hour	18.69	1.0118	18.91	_____
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_____
DIESEL FUEL	gal	2.86	16.0039	45.77	_____
REPAIR & MAINTENANCE	acre	34.71	1.0000	34.71	_____
INTEREST ON OP. CAP.	acre	27.78	1.0000	27.78	_____

TOTAL DIRECT EXPENSES				800.76	_____
RETURNS ABOVE DIRECT EXPENSES				-96.31	_____
TOTAL FIXED EXPENSES				155.03	_____

TOTAL SPECIFIED EXPENSES				955.79	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-251.34	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 5.C Estimated resource use for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38 2x1	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	8R-38 2x1	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	8R-38 2x1	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					30.0000				
Cotton Seed Trt.	acre					0.6700				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					1.3400				
Mepiquat Chloride	oz					10.7200				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Ethephon 6E	pt					0.3125				
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R2x1(350)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	811.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
							---	---	---	---
TOTALS							1.01	0.81	1.51	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 5.D Estimated costs for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38 2x1		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	8R-38 2x1		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.29	6.30	6.49	12.79
UAN (32%)	gal	39.22					1.89	41.11		41.11
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	8R-38 2x1		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	98.10					4.05	102.15		102.15
Cotton Seed Trt.	acre	13.40					0.55	13.95		13.95
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.21	6.22	6.49	12.71
UAN (32%)	gal	39.22					1.35	40.57		40.57
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	9.77					0.34	10.11		10.11
Mepiquat Chloride	oz	0.54					0.02	0.56		0.56
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Cotton Picker	4R2x1(350)		8.88	9.61	7.36		0.18	26.03	46.02	72.05
Boll Buggy	4R2x1(350)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	4R2x1(350)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	89.21					0.61	89.82		89.82
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		653.92	45.77	34.71	38.58	0.00	27.78	800.76	155.03	955.79

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 5.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.21
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	39.22	0.00	39.22	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.40	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	14.89	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	98.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	5.37	0.00	0.00	0.00	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	6.22	0.00	0.00	0.00	28.96
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.76	3.82	4.10	0.00	0.00	0.00	21.42
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.18	8.07	3.39	1.90	0.75	0.45	1.13
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	47.41	203.23	101.25	70.77	37.89	33.40	164.94
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-47.41	-203.23	-101.25	-70.77	-37.89	-33.40	539.51
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-189.28	-392.51	-493.76	-564.53	-602.42	-635.82	-96.31

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 5.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	405.50	lb	-416	-401	-387	-372	-358	-343	-328	-314	-299	-285	-270
			-571	-556	-542	-527	-513	-498	-483	-469	-454	-440	-425
60	486.60	lb	-381	-364	-346	-329	-311	-293	-276	-258	-241	-223	-206
			-536	-519	-501	-484	-466	-449	-431	-413	-396	-378	-361
70	567.70	lb	-346	-326	-305	-285	-265	-244	-224	-203	-183	-162	-142
			-501	-481	-460	-440	-420	-399	-379	-358	-338	-317	-297
80	648.80	lb	-311	-288	-265	-241	-218	-195	-171	-148	-125	-101	-78
			-466	-443	-420	-396	-373	-350	-326	-303	-280	-256	-233
90	729.90	lb	-277	-250	-224	-198	-172	-145	-119	-93	-66	-40	-14
			-432	-405	-379	-353	-327	-300	-274	-248	-221	-195	-169
100	811.00	lb	-242	-213	-183	-154	-125	-96	-67	-37	-8	20	49
			-397	-368	-338	-309	-280	-251	-222	-192	-163	-134	-105
110	892.10	lb	-207	-175	-143	-111	-79	-46	-14	17	49	81	113
			-362	-330	-298	-266	-234	-201	-169	-137	-105	-73	-41
120	973.20	lb	-172	-137	-102	-67	-32	2	37	72	107	142	177
			-327	-292	-257	-222	-187	-152	-117	-82	-47	-12	22
130	1054.30	lb	-137	-99	-61	-23	13	51	89	127	165	203	241
			-292	-254	-216	-179	-141	-103	-65	-27	10	48	86
140	1135.40	lb	-103	-62	-21	19	60	101	142	183	224	264	305
			-258	-217	-176	-135	-94	-53	-12	28	68	109	150
150	1216.50	lb	-68	-24	19	63	106	150	194	238	282	325	369
			-223	-179	-135	-91	-48	-4	39	83	127	170	214

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 6.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Enlist Duo	pt	6.89	7.0000	48.23	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_____
Tractors	acre	4.89	1.0000	4.89	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
INTEREST ON OP. CAP.	acre	30.80	1.0000	30.80	_____

TOTAL DIRECT EXPENSES				902.64	_____
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_____
Tractors	acre	37.84	1.0000	37.84	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____

TOTAL FIXED EXPENSES				202.69	_____

TOTAL SPECIFIED EXPENSES				1105.33	_____

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 6.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_____
Cotton Seed	lb	0.11	1620.0000	178.20	_____

TOTAL INCOME				1042.32	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	124.85	1.0000	124.85	_____
INSECTICIDES	acre	88.11	1.0000	88.11	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
OPERATOR LABOR	hour	18.69	0.6069	11.34	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL	gal	2.86	11.0501	31.59	_____
REPAIR & MAINTENANCE	acre	45.85	1.0000	45.85	_____
INTEREST ON OP. CAP.	acre	30.80	1.0000	30.80	_____

TOTAL DIRECT EXPENSES				902.64	_____
RETURNS ABOVE DIRECT EXPENSES				139.68	_____
TOTAL FIXED EXPENSES				202.69	_____

TOTAL SPECIFIED EXPENSES				1105.33	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-63.01	_____

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 6.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.60	0.39	0.92	0.48

Note: Cost of production estimates are based on 2024 input prices.

Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 6.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		771.16	31.59	45.85	23.24	0.00	30.80	902.64	202.69	1105.33

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 6.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.47	3.72	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	263.94	111.74	70.77	37.89	33.40	193.40
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-263.94	-111.74	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-455.44	-567.18	-637.95	-675.84	-709.24	139.68

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 6.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-333	-312	-290	-269	-247	-225	-204	-182	-161	-139	-117
			-536	-515	-493	-471	-450	-428	-407	-385	-363	-342	-320
60	720.00	lb	-282	-256	-230	-204	-178	-152	-126	-100	-75	-49	-23
			-485	-459	-433	-407	-381	-355	-329	-303	-277	-251	-225
70	840.00	lb	-230	-200	-170	-140	-109	-79	-49	-19	11	41	71
			-433	-403	-373	-342	-312	-282	-252	-221	-191	-161	-131
80	960.00	lb	-179	-144	-110	-75	-41	-6	28	62	97	131	166
			-382	-347	-312	-278	-243	-209	-174	-140	-105	-70	-36
90	1080.00	lb	-127	-88	-50	-11	27	66	105	144	183	222	260
			-330	-291	-252	-213	-175	-136	-97	-58	-19	19	58
100	1200.00	lb	-76	-33	10	53	96	139	182	226	269	312	355
			-279	-235	-192	-149	-106	-63	-19	23	66	109	153
110	1320.00	lb	-24	22	70	117	165	212	260	307	355	402	450
			-227	-179	-132	-84	-37	10	57	105	152	200	247
120	1440.00	lb	26	78	130	182	234	285	337	389	441	493	545
			-176	-124	-72	-20	31	83	135	186	238	290	342
130	1560.00	lb	78	134	190	246	302	359	415	471	527	583	639
			-124	-68	-12	44	100	156	212	268	324	381	437
140	1680.00	lb	129	190	250	311	371	432	492	553	613	674	734
			-72	-12	48	108	168	229	289	350	410	471	531
150	1800.00	lb	181	246	310	375	440	505	570	634	699	764	829
			-21	43	108	172	237	302	367	432	497	561	626

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 7.A Estimated costs per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.7500	43.13	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Enlist Duo	pt	6.89	7.0000	48.23	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_____
Transform WG	oz	9.34	1.5000	14.01	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	51.0000	2.55	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5025	9.39	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2737	20.78	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
Roll-Out Pipe Irr.	gal	2.86	8.5535	24.45	_____
REPAIR & MAINTENANCE					
Implements	acre	12.07	1.0000	12.07	_____
Tractors	acre	5.78	1.0000	5.78	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_____
INTEREST ON OP. CAP.	acre	32.53	1.0000	32.53	_____

TOTAL DIRECT EXPENSES				998.91	_____
FIXED EXPENSES					
Implements	acre	24.17	1.0000	24.17	_____
Tractors	acre	44.81	1.0000	44.81	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_____

TOTAL FIXED EXPENSES				288.47	_____

TOTAL SPECIFIED EXPENSES				1287.38	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 7.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_____
Cotton Seed	lb	0.11	2025.0000	222.75	_____

TOTAL INCOME				1302.90	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	165.00	1.0000	165.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	124.85	1.0000	124.85	_____
INSECTICIDES	acre	95.61	1.0000	95.61	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	2.55	1.0000	2.55	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_____
OPERATOR LABOR	hour	18.69	0.7101	13.27	_____
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_____
DIESEL FUEL	gal	2.86	20.7109	59.20	_____
REPAIR & MAINTENANCE	acre	54.86	1.0000	54.86	_____
INTEREST ON OP. CAP.	acre	32.53	1.0000	32.53	_____

TOTAL DIRECT EXPENSES				998.91	_____
RETURNS ABOVE DIRECT EXPENSES				303.99	_____
TOTAL FIXED EXPENSES				288.47	_____

TOTAL SPECIFIED EXPENSES				1287.38	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				15.52	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 7.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	1.00	Nov		0.04	0.04	0.04	0.03
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					19.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
Roll-Out Pipe Irr.	acre				Jan	1.0000	0.07	0.07	0.44	
TOTALS							0.71	0.50	1.38	0.50

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 7.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		2.18	2.01	1.66		0.48	6.33	9.32	15.65
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.13	4.97	5.14	10.11
Enlist Duo	pt	24.12					0.66	24.78		24.78
Dual Magnum	pt	10.11					0.28	10.39		10.39
Centric 40WG	oz	14.58					0.40	14.98		14.98
Mepiquat Chloride	oz	0.95					0.03	0.98		0.98
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
Roll-Out Pipe Irr.	acre	7.92	26.52	8.00	4.77		1.34	48.55	81.12	129.67
TOTALS		823.48	59.20	54.86	28.84	0.00	32.53	998.91	288.47	1287.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 7.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	0.00	34.23	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	5.12	64.97	22.14	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.46	0.00	0.00	0.00	0.00	1.97	4.62	5.10	1.93	0.23	0.69	10.84
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.55	0.00	0.00	0.00	0.00	2.28	4.85	11.40	10.12	8.15	0.47	17.38
REPAIR & MAINTENANCE	4.62	0.00	0.00	0.00	0.00	1.70	3.82	6.50	2.57	1.40	0.20	34.05
INTEREST ON OP. CAP.	8.22	0.00	0.00	0.00	1.93	2.28	10.48	2.66	3.98	0.95	0.47	1.56
TOTAL DIRECT EXPENSES	108.05	0.00	0.00	0.00	36.99	49.63	264.18	80.10	148.48	47.87	34.78	228.83
NET INCOME	-108.05	0.00	0.00	0.00	-36.99	-49.63	-264.18	-80.10	-148.48	-47.87	-34.78	1074.07
NET INCOME TO DATE	-108.05	-108.05	-108.05	-108.05	-145.04	-194.67	-458.85	-538.95	-687.43	-735.30	-770.08	303.99

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 7.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-288	-261	-234	-207	-180	-153	-126	-99	-72	-45	-18
			-576	-549	-522	-495	-468	-441	-414	-387	-360	-333	-306
60	900.00	lb	-223	-191	-158	-126	-94	-61	-29	3	35	68	100
			-512	-479	-447	-414	-382	-350	-317	-285	-252	-220	-188
70	1050.00	lb	-159	-121	-83	-45	-8	29	67	105	143	181	218
			-447	-409	-372	-334	-296	-258	-220	-183	-145	-107	-69
80	1200.00	lb	-94	-51	-8	34	77	121	164	207	250	294	337
			-383	-340	-296	-253	-210	-167	-124	-80	-37	5	48
90	1350.00	lb	-30	18	66	115	163	212	261	309	358	407	455
			-318	-270	-221	-173	-124	-75	-27	21	69	118	167
100	1500.00	lb	33	87	141	195	249	303	357	412	466	520	574
			-254	-200	-146	-92	-38	15	69	123	177	231	285
110	1650.00	lb	98	157	217	276	335	395	454	514	573	633	692
			-190	-130	-71	-11	47	106	166	225	285	344	403
120	1800.00	lb	162	227	292	357	421	486	551	616	681	746	810
			-125	-60	3	68	133	198	263	327	392	457	522
130	1950.00	lb	227	297	367	437	507	578	648	718	788	859	929
			-61	8	79	149	219	289	359	430	500	570	640
140	2100.00	lb	291	367	442	518	593	669	745	820	896	972	1047
			3	78	154	229	305	381	456	532	607	683	759
150	2250.00	lb	355	436	517	598	679	761	842	923	1004	1085	1166
			67	148	229	310	391	472	553	634	715	796	877

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 8.A Estimated costs per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.7500	43.13	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Enlist Duo	pt	6.89	7.0000	48.23	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_____
Tractors	acre	4.89	1.0000	4.89	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_____
INTEREST ON OP. CAP.	acre	33.00	1.0000	33.00	_____
TOTAL DIRECT EXPENSES				1004.91	_____
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_____
Tractors	acre	37.84	1.0000	37.84	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____
TOTAL FIXED EXPENSES				302.19	_____
TOTAL SPECIFIED EXPENSES				1307.10	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 8.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_____
Cotton Seed	lb	0.11	2025.0000	222.75	_____

TOTAL INCOME				1302.90	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	165.00	1.0000	165.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	124.85	1.0000	124.85	_____
INSECTICIDES	acre	95.61	1.0000	95.61	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.6069	11.34	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL	gal	2.86	22.2512	63.62	_____
REPAIR & MAINTENANCE	acre	67.80	1.0000	67.80	_____
INTEREST ON OP. CAP.	acre	33.00	1.0000	33.00	_____

TOTAL DIRECT EXPENSES				1004.91	_____
RETURNS ABOVE DIRECT EXPENSES				297.99	_____
TOTAL FIXED EXPENSES				302.19	_____

TOTAL SPECIFIED EXPENSES				1307.10	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-4.20	_____

Note: Cost of production estimates are based on 2024 input prices.

Table 8.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.60	0.39	1.12	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 8.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		815.41	63.62	67.80	25.08	0.00	33.00	1004.91	302.19	1307.10

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 8.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	50.39	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	5.73	4.27	0.20	0.15	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	14.29	12.81	9.61	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	21.56	1.99	1.49	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.52	4.69	2.63	0.98	0.45	1.54
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	265.33	140.94	97.75	49.37	33.40	226.62
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-265.33	-140.94	-97.75	-49.37	-33.40	1076.28
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-456.83	-597.77	-695.52	-744.89	-778.29	297.99

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 8.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-294	-267	-240	-213	-186	-159	-132	-105	-78	-51	-24
			-596	-569	-542	-515	-488	-461	-434	-407	-380	-353	-326
60	900.00	lb	-229	-197	-164	-132	-100	-67	-35	-2	29	62	94
			-531	-499	-467	-434	-402	-369	-337	-304	-272	-240	-207
70	1050.00	lb	-165	-127	-89	-51	-14	23	61	99	137	175	212
			-467	-429	-391	-354	-316	-278	-240	-202	-164	-127	-89
80	1200.00	lb	-100	-57	-14	28	71	115	158	201	244	288	331
			-403	-359	-316	-273	-230	-187	-143	-100	-57	-14	29
90	1350.00	lb	-36	12	60	109	157	206	255	303	352	401	449
			-338	-290	-241	-192	-144	-95	-46	1	50	98	147
100	1500.00	lb	27	81	135	189	243	297	351	406	460	514	568
			-274	-220	-166	-112	-58	-4	49	103	157	211	265
110	1650.00	lb	92	151	211	270	329	389	448	508	567	627	686
			-209	-150	-91	-31	27	87	146	206	265	324	384
120	1800.00	lb	156	221	286	351	415	480	545	610	675	740	804
			-145	-80	-15	48	113	178	243	308	373	437	502
130	1950.00	lb	221	291	361	431	501	572	642	712	782	853	923
			-81	-10	59	129	199	270	340	410	480	550	621
140	2100.00	lb	285	361	436	512	587	663	739	814	890	966	1041
			-16	58	134	210	285	361	437	512	588	663	739
150	2250.00	lb	349	430	511	592	673	755	836	917	998	1079	1160
			47	128	209	290	371	452	533	614	695	776	857

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 9.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	25.4000	61.21	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Enlist Duo	pt	6.89	7.0000	48.23	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2712	5.07	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_____
DIESEL FUEL					
Tractors	gal	2.86	4.1890	11.97	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
REPAIR & MAINTENANCE					
Implements	acre	7.72	1.0000	7.72	_____
Tractors	acre	3.32	1.0000	3.32	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
INTEREST ON OP. CAP.	acre	28.42	1.0000	28.42	_____

TOTAL DIRECT EXPENSES				863.55	_____
FIXED EXPENSES					
Implements	acre	12.47	1.0000	12.47	_____
Tractors	acre	25.71	1.0000	25.71	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____

TOTAL FIXED EXPENSES				183.20	_____

TOTAL SPECIFIED EXPENSES				1046.75	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 9.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_____
Cotton Seed	lb	0.11	1620.0000	178.20	_____

TOTAL INCOME				1042.32	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	101.85	1.0000	101.85	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	124.85	1.0000	124.85	_____
INSECTICIDES	acre	88.11	1.0000	88.11	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.2897	2.61	_____
OPERATOR LABOR	hour	18.69	0.4788	8.95	_____
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_____
DIESEL FUEL	gal	2.86	9.0726	25.94	_____
REPAIR & MAINTENANCE	acre	40.89	1.0000	40.89	_____
INTEREST ON OP. CAP.	acre	28.42	1.0000	28.42	_____

TOTAL DIRECT EXPENSES				863.55	_____
RETURNS ABOVE DIRECT EXPENSES				178.77	_____
TOTAL FIXED EXPENSES				183.20	_____

TOTAL SPECIFIED EXPENSES				1046.75	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-4.43	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 9.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					25.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.47	0.27	0.76	0.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 9.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	61.21					2.10	63.31		63.31
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		749.57	25.94	40.89	18.73	0.00	28.42	863.55	183.20	1046.75

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 9.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	61.21	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.48	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	4.94	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	4.17	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	1.93	0.00	10.49	4.40	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	36.99	0.00	264.49	132.23	70.77	37.89	33.40	193.40
NET INCOME	-94.38	0.00	0.00	0.00	-36.99	0.00	-264.49	-132.23	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-131.37	-131.37	-395.86	-528.09	-598.86	-636.75	-670.15	178.77

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 9.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-294	-273	-251	-230	-208	-186	-165	-143	-122	-100	-78
			-478	-456	-434	-413	-391	-370	-348	-326	-305	-283	-262
60	720.00	lb	-243	-217	-191	-165	-139	-113	-87	-61	-35	-10	15
			-426	-400	-374	-348	-322	-296	-270	-245	-219	-193	-167
70	840.00	lb	-191	-161	-131	-101	-70	-40	-10	19	50	80	110
			-375	-344	-314	-284	-254	-223	-193	-163	-133	-102	-72
80	960.00	lb	-140	-105	-71	-36	-2	32	67	101	136	170	205
			-323	-288	-254	-219	-185	-150	-116	-81	-46	-12	22
90	1080.00	lb	-88	-49	-11	27	66	105	144	183	222	261	300
			-271	-233	-194	-155	-116	-77	-38	0	39	77	116
100	1200.00	lb	-37	5	49	92	135	178	221	265	308	351	394
			-220	-177	-134	-90	-47	-4	38	81	125	168	211
110	1320.00	lb	14	61	109	156	204	251	299	346	394	441	489
			-168	-121	-73	-26	21	68	116	163	211	258	306
120	1440.00	lb	65	117	169	221	273	325	376	428	480	532	584
			-117	-65	-13	38	89	141	193	245	297	349	401
130	1560.00	lb	117	173	229	285	341	398	454	510	566	622	678
			-65	-9	46	102	158	214	271	327	383	439	495
140	1680.00	lb	168	229	289	350	410	471	531	592	652	713	773
			-14	46	106	167	227	288	348	409	469	530	590
150	1800.00	lb	220	285	349	414	479	544	609	673	738	803	868
			37	101	166	231	296	361	425	490	555	620	685

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 10.A Estimated costs per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	811.0000	89.21	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	32.5498	78.45	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Enlist Duo	pt	6.89	7.0000	48.23	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_____
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	1.3400	9.77	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	30.0000	95.40	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	42.7200	2.14	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.8159	15.25	_____
Self-Propelled	hour	18.69	0.1958	3.66	_____
HAND LABOR					
Implements	hour	9.06	0.3181	2.87	_____
Self-Propelled	hour	9.06	0.1840	1.66	_____
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_____
DIESEL FUEL					
Tractors	gal	2.86	12.6003	36.03	_____
Self-Propelled	gal	2.86	3.4035	9.74	_____
REPAIR & MAINTENANCE					
Implements	acre	14.66	1.0000	14.66	_____
Tractors	acre	10.00	1.0000	10.00	_____
Self-Propelled	acre	10.05	1.0000	10.05	_____
INTEREST ON OP. CAP.	acre	28.17	1.0000	28.17	_____

TOTAL DIRECT EXPENSES				811.87	_____
FIXED EXPENSES					
Implements	acre	28.17	1.0000	28.17	_____
Tractors	acre	77.32	1.0000	77.32	_____
Self-Propelled	acre	49.54	1.0000	49.54	_____

TOTAL FIXED EXPENSES				155.03	_____

TOTAL SPECIFIED EXPENSES				966.90	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 10.B Summary of estimated costs and returns per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	811.0000	584.00	_____
Cotton Seed	lb	0.11	1095.0000	120.45	_____

TOTAL INCOME				704.45	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	89.21	1.0000	89.21	_____
FERTILIZERS	acre	119.08	1.0000	119.08	_____
FUNGICIDES	acre	13.40	1.0000	13.40	_____
HERBICIDES	acre	124.85	1.0000	124.85	_____
INSECTICIDES	acre	83.30	1.0000	83.30	_____
SEED/PLANTS	acre	95.40	1.0000	95.40	_____
GROWTH REGULATORS	acre	2.14	1.0000	2.14	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.5022	4.53	_____
OPERATOR LABOR	hour	18.69	1.0118	18.91	_____
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_____
DIESEL FUEL	gal	2.86	16.0039	45.77	_____
REPAIR & MAINTENANCE	acre	34.71	1.0000	34.71	_____
INTEREST ON OP. CAP.	acre	28.17	1.0000	28.17	_____

TOTAL DIRECT EXPENSES				811.87	_____
RETURNS ABOVE DIRECT EXPENSES				-107.42	_____
TOTAL FIXED EXPENSES				155.03	_____

TOTAL SPECIFIED EXPENSES				966.90	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-262.45	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 10.C Estimated resource use for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38 2x1	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	8R-38 2x1	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	8R-38 2x1	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					30.0000				
Cotton Seed Trt.	acre					0.6700				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					1.3400				
Mepiquat Chloride	oz					10.7200				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Ethephon 6E	pt					0.3125				
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R2x1(350)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	811.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.01	0.81	1.51	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 10.D Estimated costs for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38 2x1		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	8R-38 2x1		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.29	6.30	6.49	12.79
UAN (32%)	gal	39.22					1.89	41.11		41.11
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	8R-38 2x1		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	95.40					3.94	99.34		99.34
Cotton Seed Trt.	acre	13.40					0.55	13.95		13.95
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.21	6.22	6.49	12.71
UAN (32%)	gal	39.22					1.35	40.57		40.57
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	9.77					0.34	10.11		10.11
Mepiquat Chloride	oz	0.54					0.02	0.56		0.56
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Cotton Picker	4R2x1(350)		8.88	9.61	7.36		0.18	26.03	46.02	72.05
Boll Buggy	4R2x1(350)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	4R2x1(350)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	89.21					0.61	89.82		89.82
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		664.64	45.77	34.71	38.58	0.00	28.17	811.87	155.03	966.90

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 10.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.21
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	39.22	0.00	39.22	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.40	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	14.89	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	95.40	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	5.37	0.00	0.00	0.00	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	6.22	0.00	0.00	0.00	28.96
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.76	3.82	4.10	0.00	0.00	0.00	21.42
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.18	8.23	3.62	1.90	0.75	0.45	1.13
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	47.41	207.40	108.19	70.77	37.89	33.40	164.94
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-47.41	-207.40	-108.19	-70.77	-37.89	-33.40	539.51
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-189.28	-396.68	-504.87	-575.64	-613.53	-646.93	-107.42

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 10.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	405.50	lb	-427	-412	-398	-383	-369	-354	-339	-325	-310	-296	-281
			-582	-567	-553	-538	-524	-509	-494	-480	-465	-451	-436
60	486.60	lb	-392	-375	-357	-340	-322	-305	-287	-270	-252	-235	-217
			-547	-530	-512	-495	-477	-460	-442	-425	-407	-390	-372
70	567.70	lb	-357	-337	-316	-296	-276	-255	-235	-214	-194	-173	-153
			-512	-492	-472	-451	-431	-410	-390	-369	-349	-328	-308
80	648.80	lb	-323	-299	-276	-252	-229	-206	-182	-159	-136	-112	-89
			-478	-454	-431	-408	-384	-361	-337	-314	-291	-267	-244
90	729.90	lb	-288	-261	-235	-209	-183	-156	-130	-104	-77	-51	-25
			-443	-416	-390	-364	-338	-311	-285	-259	-233	-206	-180
100	811.00	lb	-253	-224	-195	-165	-136	-107	-78	-49	-19	9	38
			-408	-379	-350	-320	-291	-262	-233	-204	-174	-145	-116
110	892.10	lb	-218	-186	-154	-122	-90	-58	-25	6	38	70	102
			-373	-341	-309	-277	-245	-213	-180	-148	-116	-84	-52
120	973.20	lb	-183	-148	-113	-78	-43	-8	26	61	96	131	166
			-338	-303	-268	-233	-198	-163	-128	-93	-58	-23	11
130	1054.30	lb	-148	-111	-73	-35	2	40	78	116	154	192	230
			-303	-266	-228	-190	-152	-114	-76	-38	-0	37	75
140	1135.40	lb	-114	-73	-32	8	49	90	131	172	212	253	294
			-269	-228	-187	-146	-105	-64	-23	16	57	98	139
150	1216.50	lb	-79	-35	8	52	95	139	183	227	271	314	358
			-234	-190	-146	-102	-59	-15	28	72	116	159	203

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 11.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_____
Tractors	acre	4.89	1.0000	4.89	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
INTEREST ON OP. CAP.	acre	31.02	1.0000	31.02	_____

TOTAL DIRECT EXPENSES				906.76	_____
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_____
Tractors	acre	37.84	1.0000	37.84	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____

TOTAL FIXED EXPENSES				202.69	_____

TOTAL SPECIFIED EXPENSES				1109.45	_____

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 11.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_____
Cotton Seed	lb	0.11	1620.0000	178.20	_____

TOTAL INCOME				1042.32	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	84.73	1.0000	84.73	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
OPERATOR LABOR	hour	18.69	0.6069	11.34	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL	gal	2.86	11.0501	31.59	_____
REPAIR & MAINTENANCE	acre	45.85	1.0000	45.85	_____
INTEREST ON OP. CAP.	acre	31.02	1.0000	31.02	_____

TOTAL DIRECT EXPENSES				906.76	_____
RETURNS ABOVE DIRECT EXPENSES				135.56	_____
TOTAL FIXED EXPENSES				202.69	_____

TOTAL SPECIFIED EXPENSES				1109.45	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-67.13	_____

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 11.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.60	0.39	0.92	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 11.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		775.06	31.59	45.85	23.24	0.00	31.02	906.76	202.69	1109.45

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 11.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.92	3.49	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	275.00	104.80	70.77	37.89	33.40	193.40
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-275.00	-104.80	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-466.50	-571.30	-642.07	-679.96	-713.36	135.56

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 11.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-338	-316	-294	-273	-251	-230	-208	-186	-165	-143	-122
			-540	-519	-497	-475	-454	-432	-411	-389	-367	-346	-324
60	720.00	lb	-286	-260	-234	-208	-182	-156	-131	-105	-79	-53	-27
			-489	-463	-437	-411	-385	-359	-333	-307	-281	-255	-229
70	840.00	lb	-235	-204	-174	-144	-114	-83	-53	-23	6	37	67
			-437	-407	-377	-346	-316	-286	-256	-226	-195	-165	-135
80	960.00	lb	-183	-148	-114	-79	-45	-10	23	58	93	127	162
			-386	-351	-317	-282	-247	-213	-178	-144	-109	-75	-40
90	1080.00	lb	-131	-93	-54	-15	23	62	101	140	179	217	256
			-334	-295	-256	-218	-179	-140	-101	-62	-23	15	54
100	1200.00	lb	-80	-37	5	49	92	135	178	221	265	308	351
			-283	-239	-196	-153	-110	-67	-23	19	62	105	148
110	1320.00	lb	-28	18	66	113	161	208	256	303	351	398	446
			-231	-184	-136	-89	-41	5	53	101	148	196	243
120	1440.00	lb	22	74	126	178	229	281	333	385	437	489	541
			-180	-128	-76	-24	27	79	130	182	234	286	338
130	1560.00	lb	74	130	186	242	298	354	411	467	523	579	635
			-128	-72	-16	39	96	152	208	264	320	376	433
140	1680.00	lb	125	186	246	307	367	428	488	549	609	669	730
			-77	-16	43	104	164	225	285	346	406	467	527
150	1800.00	lb	177	241	306	371	436	501	565	630	695	760	825
			-25	39	104	168	233	298	363	428	492	557	622

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 12.A Estimated costs per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.7500	43.13	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_____
Transform WG	oz	9.34	1.5000	14.01	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	51.0000	2.55	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5025	9.39	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2737	20.78	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
Roll-Out Pipe Irr.	gal	2.86	8.5535	24.45	_____
REPAIR & MAINTENANCE					
Implements	acre	12.07	1.0000	12.07	_____
Tractors	acre	5.78	1.0000	5.78	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_____
INTEREST ON OP. CAP.	acre	32.80	1.0000	32.80	_____

TOTAL DIRECT EXPENSES				1003.08	_____
FIXED EXPENSES					
Implements	acre	24.17	1.0000	24.17	_____
Tractors	acre	44.81	1.0000	44.81	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_____

TOTAL FIXED EXPENSES				288.47	_____

TOTAL SPECIFIED EXPENSES				1291.55	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 12.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_____
Cotton Seed	lb	0.11	2025.0000	222.75	_____

TOTAL INCOME				1302.90	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	165.00	1.0000	165.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	92.23	1.0000	92.23	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	2.55	1.0000	2.55	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_____
OPERATOR LABOR	hour	18.69	0.7101	13.27	_____
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_____
DIESEL FUEL	gal	2.86	20.7109	59.20	_____
REPAIR & MAINTENANCE	acre	54.86	1.0000	54.86	_____
INTEREST ON OP. CAP.	acre	32.80	1.0000	32.80	_____

TOTAL DIRECT EXPENSES				1003.08	_____
RETURNS ABOVE DIRECT EXPENSES				299.82	_____
TOTAL FIXED EXPENSES				288.47	_____

TOTAL SPECIFIED EXPENSES				1291.55	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				11.35	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 12.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	1.00	Nov		0.04	0.04	0.04	0.03
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Mepiquat Chloride	oz					19.0000				
Centric 40WG	oz					2.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
Roll-Out Pipe Irr.	acre				Jan	1.0000	0.07	0.07	0.44	
							-------	-------	-------	-------
TOTALS							0.71	0.50	1.38	0.50

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 12.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		2.18	2.01	1.66		0.48	6.33	9.32	15.65
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.13	4.97	5.14	10.11
Engenia	oz	13.57					0.37	13.94		13.94
Glyphosate 3lbs a.e	oz	3.84					0.11	3.95		3.95
Dual Magnum	pt	10.11					0.28	10.39		10.39
Mepiquat Chloride	oz	0.95					0.03	0.98		0.98
Centric 40WG	oz	14.58					0.40	14.98		14.98
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
Roll-Out Pipe Irr.	acre	7.92	26.52	8.00	4.77		1.34	48.55	81.12	129.67
TOTALS		827.38	59.20	54.86	28.84	0.00	32.80	1003.08	288.47	1291.55

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 12.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	0.00	27.52	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.12	64.97	22.14	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.46	0.00	0.00	0.00	0.00	1.97	4.62	5.10	1.93	0.23	0.69	10.84
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.55	0.00	0.00	0.00	0.00	2.28	4.85	11.40	10.12	8.15	0.47	17.38
REPAIR & MAINTENANCE	4.62	0.00	0.00	0.00	0.00	1.70	3.82	6.50	2.57	1.40	0.20	34.05
INTEREST ON OP. CAP.	8.22	0.00	0.00	0.00	1.93	2.28	10.93	2.66	3.80	0.95	0.47	1.56
TOTAL DIRECT EXPENSES	108.05	0.00	0.00	0.00	36.99	49.63	275.24	80.10	141.59	47.87	34.78	228.83
NET INCOME	-108.05	0.00	0.00	0.00	-36.99	-49.63	-275.24	-80.10	-141.59	-47.87	-34.78	1074.07
NET INCOME TO DATE	-108.05	-108.05	-108.05	-108.05	-145.04	-194.67	-469.91	-550.01	-691.60	-739.47	-774.25	299.82

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 12.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-292	-265	-238	-211	-184	-157	-130	-103	-76	-49	-22
			-580	-553	-526	-499	-472	-445	-418	-391	-364	-337	-310
60	900.00	lb	-227	-195	-163	-130	-98	-65	-33	-0	31	63	96
			-516	-483	-451	-419	-386	-354	-321	-289	-257	-224	-192
70	1050.00	lb	-163	-125	-87	-49	-12	25	63	101	139	176	214
			-451	-414	-376	-338	-300	-262	-225	-187	-149	-111	-73
80	1200.00	lb	-99	-55	-12	30	73	117	160	203	246	289	333
			-387	-344	-301	-257	-214	-171	-128	-85	-41	1	44
90	1350.00	lb	-34	13	62	111	159	208	257	305	354	402	451
			-323	-274	-225	-177	-128	-80	-31	17	65	114	162
100	1500.00	lb	29	83	137	191	245	299	353	407	461	515	569
			-258	-204	-150	-96	-42	11	65	119	173	227	281
110	1650.00	lb	94	153	212	272	331	391	450	510	569	628	688
			-194	-134	-75	-16	43	102	162	221	280	340	399
120	1800.00	lb	158	223	288	353	417	482	547	612	677	741	806
			-129	-65	-0	64	129	194	258	323	388	453	518
130	1950.00	lb	222	293	363	433	503	574	644	714	784	854	925
			-65	4	74	145	215	285	355	425	496	566	636
140	2100.00	lb	287	362	438	514	589	665	741	816	892	967	1043
			-1	74	150	225	301	376	452	528	603	679	755
150	2250.00	lb	351	432	513	594	675	756	837	918	999	1080	1161
			63	144	225	306	387	468	549	630	711	792	873

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 13.A Estimated costs per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.7500	43.13	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	34.3582	82.80	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_____
Tractors	acre	4.89	1.0000	4.89	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_____
INTEREST ON OP. CAP.	acre	33.22	1.0000	33.22	_____
TOTAL DIRECT EXPENSES				1009.03	_____
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_____
Tractors	acre	37.84	1.0000	37.84	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____
TOTAL FIXED EXPENSES				302.19	_____
TOTAL SPECIFIED EXPENSES				1311.22	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 13.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_____
Cotton Seed	lb	0.11	2025.0000	222.75	_____

TOTAL INCOME				1302.90	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	165.00	1.0000	165.00	_____
FERTILIZERS	acre	123.44	1.0000	123.44	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	92.23	1.0000	92.23	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3135	2.82	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.6069	11.34	_____
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_____
DIESEL FUEL	gal	2.86	22.2512	63.62	_____
REPAIR & MAINTENANCE	acre	67.80	1.0000	67.80	_____
INTEREST ON OP. CAP.	acre	33.22	1.0000	33.22	_____

TOTAL DIRECT EXPENSES				1009.03	_____
RETURNS ABOVE DIRECT EXPENSES				293.87	_____
TOTAL FIXED EXPENSES				302.19	_____

TOTAL SPECIFIED EXPENSES				1311.22	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-8.32	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year

Table 13.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.60	0.39	1.12	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 13.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		819.31	63.62	67.80	25.08	0.00	33.22	1009.03	302.19	1311.22

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 13.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	50.39	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	5.73	4.27	0.20	0.15	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	14.29	12.81	9.61	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	21.56	1.99	1.49	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.97	4.46	2.63	0.98	0.45	1.54
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	276.39	134.00	97.75	49.37	33.40	226.62
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-276.39	-134.00	-97.75	-49.37	-33.40	1076.28
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-467.89	-601.89	-699.64	-749.01	-782.41	293.87

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 13.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-298	-271	-244	-217	-190	-163	-136	-109	-82	-55	-28
			-600	-573	-546	-519	-492	-465	-438	-411	-384	-357	-330
60	900.00	lb	-233	-201	-168	-136	-104	-71	-39	-6	25	57	90
			-535	-503	-471	-438	-406	-373	-341	-309	-276	-244	-211
70	1050.00	lb	-169	-131	-93	-55	-18	19	57	95	133	170	208
			-471	-433	-395	-358	-320	-282	-244	-206	-169	-131	-93
80	1200.00	lb	-104	-61	-18	24	67	111	154	197	240	283	327
			-407	-363	-320	-277	-234	-191	-147	-104	-61	-18	24
90	1350.00	lb	-40	8	56	105	153	202	251	299	348	396	445
			-342	-294	-245	-196	-148	-99	-51	-2	46	94	143
100	1500.00	lb	23	77	131	185	239	293	347	401	455	509	563
			-278	-224	-170	-116	-62	-8	45	99	153	207	261
110	1650.00	lb	88	147	207	266	325	385	444	504	563	622	682
			-213	-154	-95	-35	23	83	142	201	261	320	380
120	1800.00	lb	152	217	282	347	411	476	541	606	671	735	800
			-149	-84	-19	44	109	174	239	304	368	433	498
130	1950.00	lb	217	287	357	427	497	568	638	708	778	848	919
			-85	-14	55	125	195	265	336	406	476	546	616
140	2100.00	lb	281	357	432	508	583	659	735	810	886	961	1037
			-20	54	130	206	281	357	432	508	584	659	735
150	2250.00	lb	345	426	507	588	669	750	831	912	993	1074	1155
			43	124	205	286	367	448	529	610	691	772	853

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 14.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	25.4000	61.21	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2712	5.07	_____
Self-Propelled	hour	18.69	0.2075	3.88	_____
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_____
Self-Propelled	hour	9.06	0.1899	1.71	_____
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_____
DIESEL FUEL					
Tractors	gal	2.86	4.1890	11.97	_____
Self-Propelled	gal	2.86	4.8836	13.97	_____
REPAIR & MAINTENANCE					
Implements	acre	7.72	1.0000	7.72	_____
Tractors	acre	3.32	1.0000	3.32	_____
Self-Propelled	acre	29.85	1.0000	29.85	_____
INTEREST ON OP. CAP.	acre	28.64	1.0000	28.64	_____

TOTAL DIRECT EXPENSES				867.67	_____
FIXED EXPENSES					
Implements	acre	12.47	1.0000	12.47	_____
Tractors	acre	25.71	1.0000	25.71	_____
Self-Propelled	acre	145.02	1.0000	145.02	_____

TOTAL FIXED EXPENSES				183.20	_____

TOTAL SPECIFIED EXPENSES				1050.87	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 14.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_____
Cotton Seed	lb	0.11	1620.0000	178.20	_____

TOTAL INCOME				1042.32	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	101.85	1.0000	101.85	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	84.73	1.0000	84.73	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.2897	2.61	_____
OPERATOR LABOR	hour	18.69	0.4788	8.95	_____
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_____
DIESEL FUEL	gal	2.86	9.0726	25.94	_____
REPAIR & MAINTENANCE	acre	40.89	1.0000	40.89	_____
INTEREST ON OP. CAP.	acre	28.64	1.0000	28.64	_____

TOTAL DIRECT EXPENSES				867.67	_____
RETURNS ABOVE DIRECT EXPENSES				174.65	_____
TOTAL FIXED EXPENSES				183.20	_____

TOTAL SPECIFIED EXPENSES				1050.87	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-8.55	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 14.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					25.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.47	0.27	0.76	0.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 14.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	61.21					2.10	63.31		63.31
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		753.47	25.94	40.89	18.73	0.00	28.64	867.67	183.20	1050.87

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 14.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	61.21	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.48	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	4.94	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	4.17	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	1.93	0.00	10.94	4.17	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	36.99	0.00	275.55	125.29	70.77	37.89	33.40	193.40
NET INCOME	-94.38	0.00	0.00	0.00	-36.99	0.00	-275.55	-125.29	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-131.37	-131.37	-406.92	-532.21	-602.98	-640.87	-674.27	174.65

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 14.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-298	-277	-255	-234	-212	-190	-169	-147	-126	-104	-82
			-482	-460	-438	-417	-395	-374	-352	-330	-309	-287	-266
60	720.00	lb	-247	-221	-195	-169	-143	-117	-91	-65	-40	-14	11
			-430	-404	-378	-352	-326	-301	-275	-249	-223	-197	-171
70	840.00	lb	-195	-165	-135	-105	-74	-44	-14	15	46	76	106
			-379	-348	-318	-288	-258	-227	-197	-167	-137	-106	-76
80	960.00	lb	-144	-109	-75	-40	-6	28	62	97	132	166	201
			-327	-293	-258	-223	-189	-154	-120	-85	-51	-16	18
90	1080.00	lb	-92	-54	-15	23	62	101	140	179	218	257	295
			-276	-237	-198	-159	-120	-81	-42	-3	34	73	112
100	1200.00	lb	-41	1	45	88	131	174	217	261	304	347	390
			-224	-181	-138	-94	-51	-8	34	77	121	164	207
110	1320.00	lb	10	57	105	152	200	247	295	342	390	437	485
			-173	-125	-78	-30	17	64	112	159	207	254	302
120	1440.00	lb	61	113	165	217	269	320	372	424	476	528	580
			-121	-69	-17	33	85	137	189	241	293	345	396
130	1560.00	lb	113	169	225	281	337	394	450	506	562	618	674
			-70	-13	42	98	154	210	266	323	379	435	491
140	1680.00	lb	164	225	285	346	406	467	527	588	648	709	769
			-18	41	102	162	223	283	344	404	465	525	586
150	1800.00	lb	216	281	345	410	475	540	605	669	734	799	864
			33	97	162	227	292	357	421	486	551	616	681

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 15.A Estimated costs per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_____
App by Air (3 gal)	appl	7.50	5.2500	39.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_____
Ethephon 6E	pt	4.76	2.3125	11.01	_____
Tribufos 6lb	pt	14.70	0.5000	7.35	_____
GINNING					
Gin & Haul	lb	0.11	811.0000	89.21	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	32.5498	78.45	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	_____
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_____
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_____
Cotoran	pt	7.34	2.0000	14.68	_____
Engenia	oz	1.06	25.6000	27.14	_____
Dual Magnum	pt	10.11	2.0000	20.22	_____
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	_____
Centric 40WG	oz	7.29	1.3400	9.77	_____
Diamond .83EC	oz	2.25	6.0000	13.50	_____
Imidacloprid 4F	oz	0.48	2.0000	0.96	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
Bifenthrin	oz	0.48	12.8000	6.14	_____
LambdaT	oz	2.10	1.0000	2.10	_____
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_____
Transform WG	oz	9.34	1.5000	14.01	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	30.0000	109.20	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	42.7200	2.14	_____
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.8159	15.25	_____
Self-Propelled	hour	18.69	0.1958	3.66	_____
HAND LABOR					
Implements	hour	9.06	0.3181	2.87	_____
Self-Propelled	hour	9.06	0.1840	1.66	_____
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_____
DIESEL FUEL					
Tractors	gal	2.86	12.6003	36.03	_____
Self-Propelled	gal	2.86	3.4035	9.74	_____
REPAIR & MAINTENANCE					
Implements	acre	14.66	1.0000	14.66	_____
Tractors	acre	10.00	1.0000	10.00	_____
Self-Propelled	acre	10.05	1.0000	10.05	_____
INTEREST ON OP. CAP.	acre	28.09	1.0000	28.09	_____

TOTAL DIRECT EXPENSES				808.79	_____
FIXED EXPENSES					
Implements	acre	28.17	1.0000	28.17	_____
Tractors	acre	77.32	1.0000	77.32	_____
Self-Propelled	acre	49.54	1.0000	49.54	_____

TOTAL FIXED EXPENSES				155.03	_____

TOTAL SPECIFIED EXPENSES				963.82	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 15.B Summary of estimated costs and returns per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	811.0000	584.00	_____
Cotton Seed	lb	0.11	1095.0000	120.45	_____

TOTAL INCOME				704.45	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_____
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	89.21	1.0000	89.21	_____
FERTILIZERS	acre	119.08	1.0000	119.08	_____
FUNGICIDES	acre	13.40	1.0000	13.40	_____
HERBICIDES	acre	111.43	1.0000	111.43	_____
INSECTICIDES	acre	79.92	1.0000	79.92	_____
SEED/PLANTS	acre	109.20	1.0000	109.20	_____
GROWTH REGULATORS	acre	2.14	1.0000	2.14	_____
ADJUVANTS	acre	1.32	1.0000	1.32	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.5022	4.53	_____
OPERATOR LABOR	hour	18.69	1.0118	18.91	_____
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_____
DIESEL FUEL	gal	2.86	16.0039	45.77	_____
REPAIR & MAINTENANCE	acre	34.71	1.0000	34.71	_____
INTEREST ON OP. CAP.	acre	28.09	1.0000	28.09	_____

TOTAL DIRECT EXPENSES				808.79	_____
RETURNS ABOVE DIRECT EXPENSES				-104.34	_____
TOTAL FIXED EXPENSES				155.03	_____

TOTAL SPECIFIED EXPENSES				963.82	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-259.37	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 15.C Estimated resource use for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38 2x1	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	8R-38 2x1	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	8R-38 2x1	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					30.0000				
Cotton Seed Trt.	acre					0.6700				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					1.3400				
Mepiquat Chloride	oz					10.7200				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Ethephon 6E	pt					0.3125				
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R2x1(350)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	811.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.01	0.81	1.51	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 15.D Estimated costs for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38 2x1		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	8R-38 2x1		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.29	6.30	6.49	12.79
UAN (32%)	gal	39.22					1.89	41.11		41.11
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	8R-38 2x1		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	109.20					4.50	113.70		113.70
Cotton Seed Trt.	acre	13.40					0.55	13.95		13.95
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.21	6.22	6.49	12.71
UAN (32%)	gal	39.22					1.35	40.57		40.57
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	9.77					0.34	10.11		10.11
Mepiquat Chloride	oz	0.54					0.02	0.56		0.56
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Cotton Picker	4R2x1(350)		8.88	9.61	7.36		0.18	26.03	46.02	72.05
Boll Buggy	4R2x1(350)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	4R2x1(350)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	89.21					0.61	89.82		89.82
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		661.64	45.77	34.71	38.58	0.00	28.09	808.79	155.03	963.82

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 15.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.21
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	39.22	0.00	39.22	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.40	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.89	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	109.20	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	5.37	0.00	0.00	0.00	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	6.22	0.00	0.00	0.00	28.96
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.76	3.82	4.10	0.00	0.00	0.00	21.42
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.18	8.38	3.39	1.90	0.75	0.45	1.13
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	47.41	211.26	101.25	70.77	37.89	33.40	164.94
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-47.41	-211.26	-101.25	-70.77	-37.89	-33.40	539.51
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-189.28	-400.54	-501.79	-572.56	-610.45	-643.85	-104.34

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 15.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	405.50	lb	-424	-409	-395	-380	-366	-351	-336	-322	-307	-293	-278
			-579	-564	-550	-535	-521	-506	-491	-477	-462	-448	-433
60	486.60	lb	-389	-372	-354	-337	-319	-302	-284	-266	-249	-231	-214
			-544	-527	-509	-492	-474	-457	-439	-422	-404	-386	-369
70	567.70	lb	-354	-334	-313	-293	-273	-252	-232	-211	-191	-170	-150
			-509	-489	-468	-448	-428	-407	-387	-366	-346	-325	-305
80	648.80	lb	-319	-296	-273	-249	-226	-203	-179	-156	-133	-109	-86
			-475	-451	-428	-404	-381	-358	-334	-311	-288	-264	-241
90	729.90	lb	-285	-258	-232	-206	-180	-153	-127	-101	-74	-48	-22
			-440	-413	-387	-361	-335	-308	-282	-256	-229	-203	-177
100	811.00	lb	-250	-221	-191	-162	-133	-104	-75	-45	-16	12	41
			-405	-376	-346	-317	-288	-259	-230	-200	-171	-142	-113
110	892.10	lb	-215	-183	-151	-119	-87	-54	-22	9	41	73	105
			-370	-338	-306	-274	-242	-209	-177	-145	-113	-81	-49
120	973.20	lb	-180	-145	-110	-75	-40	-5	29	64	99	134	169
			-335	-300	-265	-230	-195	-160	-125	-90	-55	-20	14
130	1054.30	lb	-145	-107	-69	-32	5	43	81	119	157	195	233
			-300	-262	-224	-187	-149	-111	-73	-35	2	40	78
140	1135.40	lb	-111	-70	-29	11	52	93	134	175	215	256	297
			-266	-225	-184	-143	-102	-61	-20	20	60	101	142
150	1216.50	lb	-76	-32	11	55	98	142	186	230	274	317	361
			-231	-187	-143	-99	-56	-12	31	75	119	162	206

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 16.A Estimated costs per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.0000	32.20	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
Sodium Chlorate 5L	gal	8.40	0.6000	5.04	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	64.0000	7.68	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Select Max	pt	15.01	1.0000	15.01	_____
Valor SX	oz	3.06	2.0000	6.12	_____
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Enlist Duo	pt	6.89	3.5000	24.12	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
Zidua WG	oz	7.30	1.5000	10.95	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
SEED/PLANTS					
Soybean Enlist E3	lb	1.03	50.0000	51.50	_____
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	42.0000	12.18	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2209	4.13	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0235	0.44	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0117	0.10	_____
UNALLOCATED LABOR	hour	18.67	0.2966	5.54	_____
DIESEL FUEL					
Tractors	gal	2.86	3.4114	9.75	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.2993	0.86	_____
REPAIR & MAINTENANCE					
Implements	acre	7.55	1.0000	7.55	_____
Tractors	acre	2.70	1.0000	2.70	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.44	1.0000	0.44	_____
INTEREST ON OP. CAP.	acre	17.93	1.0000	17.93	_____

TOTAL DIRECT EXPENSES				397.78	_____
FIXED EXPENSES					
Implements	acre	20.11	1.0000	20.11	_____
Tractors	acre	20.93	1.0000	20.93	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	3.52	1.0000	3.52	_____

TOTAL FIXED EXPENSES				67.41	_____

TOTAL SPECIFIED EXPENSES				465.19	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 16.B Summary of estimated costs and returns per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	42.0000	456.54	_____
TOTAL INCOME				456.54	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	32.20	1.0000	32.20	_____
HARVEST AIDS	acre	10.16	1.0000	10.16	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	7.14	1.0000	7.14	_____
HERBICIDES	acre	109.07	1.0000	109.07	_____
INSECTICIDES	acre	13.06	1.0000	13.06	_____
SEED/PLANTS	acre	51.50	1.0000	51.50	_____
ADJUVANTS	acre	3.30	1.0000	3.30	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	12.18	1.0000	12.18	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0625	0.56	_____
OPERATOR LABOR	hour	18.69	0.3295	6.16	_____
UNALLOCATED LABOR	hour	18.67	0.2966	5.54	_____
DIESEL FUEL	gal	2.86	5.1352	14.68	_____
REPAIR & MAINTENANCE	acre	15.46	1.0000	15.46	_____
INTEREST ON OP. CAP.	acre	17.93	1.0000	17.93	_____
TOTAL DIRECT EXPENSES				397.78	_____
RETURNS ABOVE DIRECT EXPENSES				58.76	_____
TOTAL FIXED EXPENSES				67.41	_____
TOTAL SPECIFIED EXPENSES				465.19	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-8.65	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 16.C Estimated resource use for field operations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Non-irrigated, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Subsoiler	3 shank	MFWD 300	0.204	0.20	Oct		0.04	0.04	0.04	0.03
Lime (Spread)	ton			0.33	Oct	0.3330				
Custom Apply Fert	acre			1.00	Oct	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Disk Harrow	32'	MFWD 300	0.061	1.00	Oct		0.06	0.06	0.06	0.05
Field Cultivate Fld	32'	MFWD 300	0.046	1.00	Oct		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
2,4-D Amine 4	pt					2.0000				
Select Max	pt					1.0000				
Valor SX	oz					2.0000				
Surfactant	pt					0.4000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	Apr		0.05	0.05	0.10	0.04
Soybean Enlist E3	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Soybeans Consultant	acre			1.00	May	1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Zidua WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
Incidental Pest				1.00	Aug					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Gramoxone SL	oz					16.0000				
Sodium Chlorate 5L	gal					0.6000				
Surfactant	pt					0.2000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Sep		0.08	0.08	0.08	0.07
Haul Soybeans	bu					42.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Sep		0.02	0.02	0.02	0.01
TOTALS							0.32	0.30	0.39	0.29

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 16.D Estimated costs for field operations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Non-irrigated, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Subsoiler	3 shank		1.80	0.58	1.45		0.32	4.15	4.15	8.30
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Disk Harrow	32'		2.71	2.24	2.18		0.59	7.72	9.76	17.48
Field Cultivate Fld	32'		2.06	1.31	1.65		0.41	5.43	8.34	13.77
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Select Max	pt	15.01					0.83	15.84		15.84
Valor SX	oz	6.12					0.34	6.46		6.46
Surfactant	pt	1.32					0.07	1.39		1.39
Plant & Pre-Folding	16R-30		2.24	4.43	2.26		0.37	9.30	14.00	23.30
Soybean Enlist E3	lb	51.50					2.12	53.62		53.62
CruiserMaxx Vibrance	oz	7.14					0.29	7.43		7.43
Inoculant -Soybean	acre	1.55					0.06	1.61		1.61
Boundary	pt	20.38					0.84	21.22		21.22
Gramoxone SL 2.0	oz	10.24					0.42	10.66		10.66
Surfactant	pt	1.32					0.05	1.37		1.37
Soybeans Consultant	acre	6.50					0.22	6.72		6.72
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Zidua WG	oz	10.95					0.38	11.33		11.33
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Acephate 90SP	lb	5.06					0.07	5.13		5.13
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Gramoxone SL	oz	5.12					0.07	5.19		5.19
Sodium Chlorate 5L	gal	5.04					0.07	5.11		5.11
Surfactant	pt	0.66					0.01	0.67		0.67
Header -Soybean	30' Flex		4.07	5.90	3.02		0.09	13.08	24.96	38.04
Haul Soybeans	bu	12.18					0.08	12.26		12.26
Grain Cart Soybean	700 bu		0.94	0.56	0.76		0.02	2.28	2.68	4.96
TOTALS		337.45	14.68	15.46	12.26	0.00	17.93	397.78	67.41	465.19

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 16.E Estimated monthly income and expense flows per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	456.54
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	0.00	0.00	24.15	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	29.43	0.00	30.62	49.02	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.06	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	51.50	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	1.32	0.00	1.32	0.00	0.00	0.00	0.66	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.18
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	5.28	0.00	0.00	0.00	0.00	0.00	2.26	0.94	0.00	0.00	0.00	3.78
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	6.57	0.00	0.00	0.00	0.00	0.00	2.24	0.86	0.00	0.00	0.00	5.01
REPAIR & MAINTENANCE	4.13	0.00	0.00	0.00	0.00	0.00	4.43	0.44	0.00	0.00	0.00	6.46
INTEREST ON OP. CAP.	8.80	0.00	0.00	0.00	2.14	0.00	4.15	1.99	0.00	0.00	0.66	0.19
TOTAL DIRECT EXPENSES	115.57	0.00	0.00	0.00	40.94	0.00	105.21	59.75	0.00	0.00	48.69	27.62
NET INCOME	-115.57	0.00	0.00	0.00	-40.94	0.00	-105.21	-59.75	0.00	0.00	-48.69	428.92
NET INCOME TO DATE	-115.57	-115.57	-115.57	-115.57	-156.51	-156.51	-261.72	-321.47	-321.47	-321.47	-370.16	58.76

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre

* Lease costs are based on hourly usage costs.

Table 16.F Estimated returns for various price/yield combinations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Non-irrigated, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	21.00	bu	-220	-209	-197	-186	-174	-163	-151	-140	-129	-117	-106
			-287	-276	-265	-253	-242	-230	-219	-207	-196	-185	-173
60	25.20	bu	-187	-173	-160	-146	-132	-118	-105	-91	-77	-64	-50
			-254	-241	-227	-213	-200	-186	-172	-158	-145	-131	-117
70	29.40	bu	-154	-138	-122	-106	-90	-74	-58	-42	-26	-10	5
			-221	-205	-189	-173	-157	-141	-125	-109	-93	-78	-62
80	33.60	bu	-121	-103	-84	-66	-48	-30	-11	6	24	42	61
			-188	-170	-152	-134	-115	-97	-79	-60	-42	-24	-6
90	37.80	bu	-88	-67	-47	-26	-6	14	34	55	75	96	117
			-155	-135	-114	-94	-73	-53	-32	-11	8	29	49
100	42.00	bu	-55	-32	-9	13	35	58	81	104	127	150	172
			-122	-99	-77	-54	-31	-8	14	37	59	82	105
110	46.20	bu	-22	2	27	52	78	103	128	153	178	203	228
			-89	-64	-39	-14	10	35	60	85	111	136	161
120	50.40	bu	10	38	65	92	120	147	175	202	229	257	284
			-56	-29	-1	25	52	80	107	134	162	189	217
130	54.60	bu	43	73	103	132	162	192	221	251	281	310	340
			-23	5	35	65	94	124	154	183	213	243	273
140	58.80	bu	76	108	140	172	204	236	268	300	332	364	396
			9	41	73	105	137	169	201	232	264	296	328
150	63.00	bu	109	143	178	212	246	280	315	349	383	417	452
			42	76	110	145	179	213	247	281	316	350	384

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 17.A Estimated costs per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.0000	40.25	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
Sodium Chlorate 5L	gal	8.40	0.6000	5.04	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
Miravis Top	oz	1.46	13.7000	20.00	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	64.0000	7.68	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Select Max	pt	15.01	1.0000	15.01	_____
Valor SX	oz	3.06	2.0000	6.12	_____
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Enlist Duo	pt	6.89	3.5000	24.12	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
Zidua WG	oz	7.30	1.5000	10.95	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Soybean Enlist E3	lb	1.03	50.0000	51.50	_____
ADJUVANTS					
Surfactant	pt	3.30	1.1000	3.63	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	60.0000	17.40	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3601	6.73	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0235	0.44	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0117	0.10	_____
UNALLOCATED LABOR	hour	18.67	0.3512	6.56	_____
DIESEL FUEL					
Tractors	gal	2.86	5.0744	14.50	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.2993	0.86	_____
Roll-Out Pipe Irr.	gal	2.86	7.3316	20.97	_____
REPAIR & MAINTENANCE					
Implements	acre	8.73	1.0000	8.73	_____
Tractors	acre	4.03	1.0000	4.03	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.44	1.0000	0.44	_____
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_____
INTEREST ON OP. CAP.	acre	20.33	1.0000	20.33	_____
TOTAL DIRECT EXPENSES				484.01	_____
FIXED EXPENSES					
Implements	acre	25.21	1.0000	25.21	_____
Tractors	acre	31.32	1.0000	31.32	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	3.52	1.0000	3.52	_____
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_____
TOTAL FIXED EXPENSES				157.37	_____
TOTAL SPECIFIED EXPENSES				641.38	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 17.B Summary of estimated costs and returns per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	60.0000	652.20	_____
TOTAL INCOME				652.20	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	40.25	1.0000	40.25	_____
HARVEST AIDS	acre	10.16	1.0000	10.16	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	27.14	1.0000	27.14	_____
HERBICIDES	acre	109.07	1.0000	109.07	_____
INSECTICIDES	acre	13.06	1.0000	13.06	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	51.50	1.0000	51.50	_____
ADJUVANTS	acre	3.63	1.0000	3.63	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	17.40	1.0000	17.40	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0625	0.56	_____
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_____
OPERATOR LABOR	hour	18.69	0.4687	8.76	_____
UNALLOCATED LABOR	hour	18.67	0.3512	6.56	_____
DIESEL FUEL	gal	2.86	14.1298	40.40	_____
REPAIR & MAINTENANCE	acre	25.13	1.0000	25.13	_____
INTEREST ON OP. CAP.	acre	20.33	1.0000	20.33	_____
TOTAL DIRECT EXPENSES				484.01	_____
RETURNS ABOVE DIRECT EXPENSES				168.19	_____
TOTAL FIXED EXPENSES				157.37	_____
TOTAL SPECIFIED EXPENSES				641.38	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				10.82	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 17.C Estimated resource use for field operations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Subsoiler	3 shank	MFWD 300	0.204	0.20	Oct		0.04	0.04	0.04	0.03
Lime (Spread)	ton			0.33	Oct	0.3330				
Custom Apply Fert	acre			1.00	Oct	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Disk Harrow	32'	MFWD 300	0.061	1.00	Oct		0.06	0.06	0.06	0.05
Field Cultivate Fld	32'	MFWD 300	0.046	1.00	Oct		0.04	0.04	0.04	0.04
Bed/Lister-Roll-Fo	16R-30	MFWD 300	0.060	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
2,4-D Amine 4	pt					2.0000				
Select Max	pt					1.0000				
Valor SX	oz					2.0000				
Surfactant	pt					0.4000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	Apr		0.05	0.05	0.10	0.04
Soybean Enlist E3	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Soybeans Consultant	acre			1.00	May	1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Zidua WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Miravis Top	oz					13.7000				
Surfactant	pt					0.1000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
Incidental Pest				1.00	Aug					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Gramoxone SL	oz					16.0000				
Sodium Chlorate 5L	gal					0.6000				
Surfactant	pt					0.2000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Sep		0.08	0.08	0.08	0.07
Haul Soybeans	bu					60.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Sep		0.02	0.02	0.02	0.01
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.44	
TOTALS							0.46	0.44	0.89	0.35

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 17.D Estimated costs for field operations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Subsoiler	3 shank		1.80	0.58	1.45		0.32	4.15	4.15	8.30
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Disk Harrow	32'		2.71	2.24	2.18		0.59	7.72	9.76	17.48
Field Cultivate Fld	32'		2.06	1.31	1.65		0.41	5.43	8.34	13.77
Bed/Lister-Roll-Fo	16R-30		2.68	1.67	2.15		0.54	7.04	8.84	15.88
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Select Max	pt	15.01					0.83	15.84		15.84
Valor SX	oz	6.12					0.34	6.46		6.46
Surfactant	pt	1.32					0.07	1.39		1.39
Plant & Pre-Folding	16R-30		2.24	4.43	2.26		0.37	9.30	14.00	23.30
Soybean Enlist E3	lb	51.50					2.12	53.62		53.62
CruiserMaxx Vibrance	oz	7.14					0.29	7.43		7.43
Inoculant -Soybean	acre	1.55					0.06	1.61		1.61
Boundary	pt	20.38					0.84	21.22		21.22
Gramoxone SL 2.0	oz	10.24					0.42	10.66		10.66
Surfactant	pt	1.32					0.05	1.37		1.37
Soybeans Consultant	acre	6.50					0.22	6.72		6.72
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Zidua WG	oz	10.95					0.38	11.33		11.33
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Miravis Top	oz	20.00					0.41	20.41		20.41
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Acephate 90SP	lb	5.06					0.07	5.13		5.13
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Gramoxone SL	oz	5.12					0.07	5.19		5.19
Sodium Chlorate 5L	gal	5.04					0.07	5.11		5.11
Surfactant	pt	0.66					0.01	0.67		0.67
Header -Soybean	30' Flex		4.07	5.90	3.02		0.09	13.08	24.96	38.04
Haul Soybeans	bu	17.40					0.12	17.52		17.52
Grain Cart Soybean	700 bu		0.94	0.56	0.76		0.02	2.28	2.68	4.96
Roll-Out Pipe Irr.	acre	7.92	23.04	8.00	4.77		1.23	44.96	81.12	126.08
TOTALS		378.97	40.40	25.13	19.18	0.00	20.33	484.01	157.37	641.38

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 17.E Estimated monthly income and expense flows per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	652.20
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	0.00	8.05	24.15	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	20.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	29.43	0.00	30.62	49.02	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.06	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	51.50	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	1.32	0.00	1.32	0.00	0.00	0.33	0.66	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.40
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	8.14	0.00	0.00	0.00	0.00	0.00	2.26	1.17	2.91	0.23	0.00	4.47
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	10.31	0.00	0.00	0.00	0.00	0.00	2.24	0.86	14.52	6.99	0.00	5.48
REPAIR & MAINTENANCE	6.22	0.00	0.00	0.00	0.00	0.00	4.43	0.44	5.98	1.40	0.00	6.66
INTEREST ON OP. CAP.	9.52	0.00	0.00	0.00	2.14	0.00	4.15	2.00	0.86	0.76	0.66	0.24
TOTAL DIRECT EXPENSES	124.98	0.00	0.00	0.00	40.94	0.00	105.21	59.99	32.19	37.76	48.69	34.25
NET INCOME	-124.98	0.00	0.00	0.00	-40.94	0.00	-105.21	-59.99	-32.19	-37.76	-48.69	617.95
NET INCOME TO DATE	-124.98	-124.98	-124.98	-124.98	-165.92	-165.92	-271.13	-331.12	-363.31	-401.07	-449.76	168.19

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre

* Lease costs are based on hourly usage costs.

Table 17.F Estimated returns for various price/yield combinations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	30.00	bu	-230	-214	-198	-181	-165	-149	-132	-116	-100	-83	-67
			-388	-371	-355	-339	-322	-306	-290	-273	-257	-241	-224
60	36.00	bu	-183	-163	-144	-124	-105	-85	-66	-46	-26	-7	12
			-340	-321	-301	-282	-262	-243	-223	-203	-184	-164	-145
70	42.00	bu	-136	-113	-90	-67	-45	-22	0	23	46	69	91
			-293	-270	-248	-225	-202	-179	-156	-133	-111	-88	-65
80	48.00	bu	-89	-63	-37	-10	15	41	67	93	119	145	171
			-246	-220	-194	-168	-142	-116	-90	-63	-37	-11	14
90	54.00	bu	-42	-12	16	46	75	104	134	163	192	222	251
			-199	-170	-140	-111	-81	-52	-23	6	35	64	94
100	60.00	bu	5	37	70	102	135	168	200	233	266	298	331
			-152	-119	-87	-54	-21	10	43	76	108	141	173
110	66.00	bu	52	88	124	159	195	231	267	303	339	375	411
			-105	-69	-33	2	38	74	110	146	181	217	253
120	72.00	bu	99	138	177	216	255	295	334	373	412	451	490
			-57	-18	20	59	98	137	176	216	255	294	333
130	78.00	bu	146	189	231	273	316	358	400	443	485	528	570
			-10	31	74	116	158	201	243	286	328	370	413
140	84.00	bu	193	239	285	330	376	422	467	513	559	604	650
			36	82	127	173	219	264	310	356	401	447	492
150	90.00	bu	240	289	338	387	436	485	534	583	632	681	730
			83	132	181	230	279	328	377	425	474	523	572

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 18.A Estimated costs per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.0000	32.20	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
Sodium Chlorate 5L	gal	8.40	0.6000	5.04	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
Miravis Top	oz	1.46	13.7000	20.00	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	64.0000	7.68	_____
Select Max	pt	15.01	1.0000	15.01	_____
Valor SX	oz	3.06	2.0000	6.12	_____
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Enlist Duo	pt	6.89	3.5000	24.12	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
SEED/PLANTS					
Soybean Enlist E3	lb	1.03	50.0000	51.50	_____
ADJUVANTS					
Surfactant	pt	3.30	1.1000	3.63	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	53.0000	15.37	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3362	6.27	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0352	0.66	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3125	2.82	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0176	0.15	_____
UNALLOCATED LABOR	hour	18.69	0.2284	4.27	_____
DIESEL FUEL					
Tractors	gal	2.86	3.8348	10.98	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.4490	1.29	_____
Contour Flood Irr.	gal	2.86	10.9974	31.44	_____
REPAIR & MAINTENANCE					
Implements	acre	7.09	1.0000	7.09	_____
Tractors	acre	3.02	1.0000	3.02	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.66	1.0000	0.66	_____
Contour Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	19.31	1.0000	19.31	_____
TOTAL DIRECT EXPENSES				460.97	_____
FIXED EXPENSES					
Implements	acre	18.03	1.0000	18.03	_____
Tractors	acre	23.26	1.0000	23.26	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	5.28	1.0000	5.28	_____
Contour Flood Irr.	acre	58.74	1.0000	58.74	_____
TOTAL FIXED EXPENSES				128.16	_____
TOTAL SPECIFIED EXPENSES				589.13	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 18.B Summary of estimated costs and returns per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	53.0000	576.11	_____
TOTAL INCOME				576.11	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	32.20	1.0000	32.20	_____
HARVEST AIDS	acre	10.16	1.0000	10.16	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	27.14	1.0000	27.14	_____
HERBICIDES	acre	93.66	1.0000	93.66	_____
INSECTICIDES	acre	13.06	1.0000	13.06	_____
SEED/PLANTS	acre	51.50	1.0000	51.50	_____
ADJUVANTS	acre	3.63	1.0000	3.63	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	15.37	1.0000	15.37	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0683	0.61	_____
IRRIGATE LABOR	hour	9.06	0.3125	2.82	_____
OPERATOR LABOR	hour	18.69	0.4566	8.52	_____
UNALLOCATED LABOR	hour	18.69	0.2284	4.27	_____
DIESEL FUEL	gal	2.86	16.7057	47.78	_____
REPAIR & MAINTENANCE	acre	29.85	1.0000	29.85	_____
INTEREST ON OP. CAP.	acre	19.31	1.0000	19.31	_____
TOTAL DIRECT EXPENSES				460.97	_____
RETURNS ABOVE DIRECT EXPENSES				115.14	_____
TOTAL FIXED EXPENSES				128.16	_____
TOTAL SPECIFIED EXPENSES				589.13	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-13.02	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 18.C Estimated resource use for field operations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Disk Harrow	32'	MFWD 300	0.061	1.00	Nov		0.06	0.06	0.06	0.05
Lime (Spread)	ton			0.33	Nov	0.3330				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Feb			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.4000				
Valor SX	oz					2.0000				
Soybeans Consultant	acre			1.00	May	1.0000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	May		0.05	0.05	0.10	0.04
Soybean Enlist E3	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Miravis Top	oz					13.7000				
Surfactant	pt					0.1000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
Incidental Pest				1.00	Sep					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Gramoxone SL	oz					16.0000				
Sodium Chlorate 5L	gal					0.6000				
Surfactant	pt					0.2000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Oct		0.08	0.08	0.08	0.07
Haul Soybeans	bu					53.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Oct		0.02	0.02	0.02	0.01
Contour Flood Irr.	acre				Jul	1.0000	0.20	0.20	0.51	
TOTALS							0.45	0.42	0.83	0.22

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 18.D Estimated costs for field operations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Disk Harrow	32'		2.71	2.24	2.18		0.59	7.72	9.76	17.48
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.07	1.19	1.76	2.95
Glyphosate 3lbs a.e	oz	3.84					0.24	4.08		4.08
Select Max	pt	15.01					0.93	15.94		15.94
Surfactant	pt	1.32					0.08	1.40		1.40
Valor SX	oz	6.12					0.38	6.50		6.50
Soybeans Consultant	acre	6.50					0.27	6.77		6.77
Plant & Pre-Folding	16R-30		2.24	4.43	2.26		0.37	9.30	14.00	23.30
Soybean Enlist E3	lb	51.50					2.12	53.62		53.62
CruiserMaxx Vibrance	oz	7.14					0.29	7.43		7.43
Inoculant -Soybean	acre	1.55					0.06	1.61		1.61
Boundary	pt	20.38					0.84	21.22		21.22
Gramoxone SL 2.0	oz	10.24					0.42	10.66		10.66
Surfactant	pt	1.32					0.05	1.37		1.37
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.05	1.17	1.76	2.93
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
App by Air (5 gal)	appl	8.05					0.22	8.27		8.27
Miravis Top	oz	20.00					0.55	20.55		20.55
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Acephate 90SP	lb	5.06					0.10	5.16		5.16
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Gramoxone SL	oz	5.12					0.07	5.19		5.19
Sodium Chlorate 5L	gal	5.04					0.07	5.11		5.11
Surfactant	pt	0.66					0.01	0.67		0.67
Header -Soybean	30' Flex		4.07	5.90	3.02		0.09	13.08	24.96	38.04
Haul Soybeans	bu	15.37					0.11	15.48		15.48
Grain Cart Soybean	700 bu		0.94	0.56	0.76		0.02	2.28	2.68	4.96
Contour Flood Irr.	acre	2.25	36.53	16.06	6.59		1.74	63.17	71.48	134.65
TOTALS		347.81	47.78	29.85	16.22	0.00	19.31	460.97	128.16	589.13

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 18.E Estimated monthly income and expense flows per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	576.11
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.05	8.05	16.10	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	20.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	24.97	0.00	0.00	64.85	3.84	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.06	8.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	51.50	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	1.32	0.00	0.00	1.32	0.00	0.33	0.00	0.66	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.37
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.18	0.00	0.00	0.47	0.00	0.00	3.18	2.64	1.87	1.87	0.23	3.78
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.71	0.00	0.00	0.43	0.00	0.00	2.67	12.77	11.94	11.94	0.31	5.01
REPAIR & MAINTENANCE	2.24	0.00	0.00	0.22	0.00	0.00	4.65	9.58	3.30	3.30	0.10	6.46
INTEREST ON OP. CAP.	8.07	0.00	0.00	1.70	0.00	0.00	5.90	1.07	1.25	0.61	0.49	0.22
TOTAL DIRECT EXPENSES	105.99	0.00	0.00	29.11	0.00	0.00	149.26	32.15	46.74	30.83	36.05	30.84
NET INCOME	-105.99	0.00	0.00	-29.11	0.00	0.00	-149.26	-32.15	-46.74	-30.83	-36.05	545.27
NET INCOME TO DATE	-105.99	-105.99	-105.99	-135.10	-135.10	-135.10	-284.36	-316.51	-363.25	-394.08	-430.13	115.14

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre

* Lease costs are based on hourly usage costs.

Table 18.F Estimated returns for various price/yield combinations, per acre
Soybeans, full-season, Enlist E3, stale seedbed, 16R30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	26.50	bu	-237	-222	-208	-193	-179	-165	-150	-136	-121	-107	-93
			-365	-350	-336	-322	-307	-293	-278	-264	-250	-235	-221
60	31.80	bu	-195	-178	-160	-143	-126	-109	-91	-74	-57	-39	-22
			-323	-306	-289	-271	-254	-237	-219	-202	-185	-168	-150
70	37.10	bu	-153	-133	-113	-93	-73	-53	-32	-12	7	27	47
			-282	-261	-241	-221	-201	-181	-161	-140	-120	-100	-80
80	42.40	bu	-112	-89	-66	-43	-20	3	26	49	72	95	118
			-240	-217	-194	-171	-148	-125	-102	-79	-56	-32	-9
90	47.70	bu	-70	-44	-18	7	33	59	85	110	136	162	188
			-198	-172	-146	-120	-95	-69	-43	-17	8	34	60
100	53.00	bu	-28	-0	28	57	86	115	143	172	201	230	259
			-157	-128	-99	-70	-41	-13	15	44	73	102	131
110	58.30	bu	12	44	76	107	139	171	202	234	266	297	329
			-115	-83	-52	-20	11	43	74	106	138	169	201
120	63.60	bu	54	89	123	158	192	227	261	296	330	365	400
			-73	-39	-4	29	64	99	133	168	202	237	271
130	68.90	bu	96	133	170	208	245	283	320	358	395	433	470
			-32	5	42	80	117	155	192	230	267	304	342
140	74.20	bu	137	178	218	258	299	339	379	420	460	500	541
			9	49	90	130	170	211	251	291	332	372	412
150	79.50	bu	179	222	265	309	352	395	438	481	525	568	611
			51	94	137	180	224	267	310	353	396	440	483

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 19.A Estimated costs per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.0000	32.20	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
Miravis Top	oz	1.46	13.7000	20.00	_____
HERBICIDES					
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Enlist Duo	pt	6.89	3.5000	24.12	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
Prevathon	oz	1.47	14.0000	20.58	_____
Bifenthrin	oz	0.48	6.4000	3.07	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
SEED/PLANTS					
Soybean Enlist E3	lb	1.03	50.0000	51.50	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	50.0000	14.50	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.0720	1.35	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0117	0.22	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.0518	0.47	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0058	0.05	_____
UNALLOCATED LABOR	hour	18.72	0.1452	2.72	_____
DIESEL FUEL					
Tractors	gal	2.86	1.1121	3.18	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.1496	0.43	_____
1/2-mi Pivot Irr.	gal	2.86	16.4057	46.93	_____
REPAIR & MAINTENANCE					
Implements	acre	5.24	1.0000	5.24	_____
Tractors	acre	0.88	1.0000	0.88	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.22	1.0000	0.22	_____
1/2-mi Pivot Irr.	acre	12.00	1.0000	12.00	_____
INTEREST ON OP. CAP.	acre	15.85	1.0000	15.85	_____
TOTAL DIRECT EXPENSES				428.15	_____
FIXED EXPENSES					
Implements	acre	11.97	1.0000	11.97	_____
Tractors	acre	6.82	1.0000	6.82	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	1.76	1.0000	1.76	_____
1/2-mi Pivot Irr.	acre	56.45	1.0000	56.45	_____
TOTAL FIXED EXPENSES				99.85	_____
TOTAL SPECIFIED EXPENSES				528.00	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 19.B Summary of estimated costs and returns per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	50.0000	543.50	_____
TOTAL INCOME				543.50	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	32.20	1.0000	32.20	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	27.14	1.0000	27.14	_____
HERBICIDES	acre	64.85	1.0000	64.85	_____
INSECTICIDES	acre	36.71	1.0000	36.71	_____
SEED/PLANTS	acre	51.50	1.0000	51.50	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	14.50	1.0000	14.50	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0566	0.51	_____
IRRIGATE LABOR	hour	9.06	0.0518	0.47	_____
OPERATOR LABOR	hour	18.69	0.1689	3.16	_____
UNALLOCATED LABOR	hour	18.72	0.1452	2.72	_____
DIESEL FUEL	gal	2.86	19.0919	54.61	_____
REPAIR & MAINTENANCE	acre	23.11	1.0000	23.11	_____
INTEREST ON OP. CAP.	acre	15.85	1.0000	15.85	_____
TOTAL DIRECT EXPENSES				428.15	_____
RETURNS ABOVE DIRECT EXPENSES				115.35	_____
TOTAL FIXED EXPENSES				99.85	_____
TOTAL SPECIFIED EXPENSES				528.00	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				15.50	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 19.C Estimated resource use for field operations, per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.3330				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Soybeans Consultant	acre			1.00	May	1.0000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	Jun		0.05	0.05	0.10	0.04
Soybean Enlist E3	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.01
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Miravis Top	oz					13.7000				
Surfactant	pt					0.1000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Prevathon	oz					14.0000				
Surfactant	pt					0.1000				
Bifenthrin	oz					6.4000				
Incidental Pest				1.00	Sep					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Oct		0.08	0.08	0.08	0.07
Haul Soybeans	bu					50.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Oct		0.02	0.02	0.02	0.01
1/2-mi Pivot Irr.	acre				Jul	1.0000			0.05	
							-------	-------	-------	-------
TOTALS							0.16	0.15	0.27	0.14

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 19.D Estimated costs for field operations, per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Soybeans Consultant	acre	6.50					0.27	6.77		6.77
Plant & Pre-Folding	16R-30		2.24	4.43	2.23		0.31	9.21	14.00	23.21
Soybean Enlist E3	lb	51.50					1.77	53.27		53.27
CruiserMaxx Vibrance	oz	7.14					0.25	7.39		7.39
Inoculant -Soybean	acre	1.55					0.05	1.60		1.60
Boundary	pt	20.38					0.70	21.08		21.08
Gramoxone SL 2.0	oz	10.24					0.35	10.59		10.59
Surfactant	pt	1.32					0.05	1.37		1.37
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.46		0.03	1.14	1.76	2.90
Enlist Duo	pt	24.12					0.66	24.78		24.78
Dual Magnum	pt	10.11					0.28	10.39		10.39
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Miravis Top	oz	20.00					0.41	20.41		20.41
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Acephate 90SP	lb	5.06					0.10	5.16		5.16
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Prevathon	oz	20.58					0.42	21.00		21.00
Surfactant	pt	0.33					0.01	0.34		0.34
Bifenthrin	oz	3.07					0.06	3.13		3.13
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
Header -Soybean	30' Flex		4.07	5.90	2.96		0.09	13.02	24.96	37.98
Haul Soybeans	bu	14.50					0.10	14.60		14.60
Grain Cart Soybean	700 bu		0.94	0.56	0.74		0.02	2.26	2.68	4.94
1/2-mi Pivot Irr.	acre		46.93	12.00	0.47		1.70	61.10	56.45	117.55
TOTALS		327.72	54.61	23.11	6.86	0.00	15.85	428.15	99.85	528.00

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 19.E Estimated monthly income and expense flows per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	543.50
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.15	8.05	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	20.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.62	34.23	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.71	8.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.66	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.50
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.34	2.27	0.51	0.04	0.00	3.70
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.32	19.20	14.08	0.00	5.01
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.84	1.13	0.68	0.00	6.46
INTEREST ON OP. CAP.	7.48	0.00	0.00	0.00	0.00	0.00	0.28	4.33	1.51	1.82	0.22	0.21
TOTAL DIRECT EXPENSES	98.27	0.00	0.00	0.00	0.00	0.00	7.12	129.89	56.58	90.14	16.27	29.88
NET INCOME	-98.27	0.00	0.00	0.00	0.00	0.00	-7.12	-129.89	-56.58	-90.14	-16.27	513.62
NET INCOME TO DATE	-98.27	-98.27	-98.27	-98.27	-98.27	-98.27	-105.39	-235.28	-291.86	-382.00	-398.27	115.35

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre

* Lease costs are based on hourly usage costs.

Table 19.F Estimated returns for various price/yield combinations, per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-217	-203	-189	-176	-162	-149	-135	-121	-108	-94	-81
			-316	-303	-289	-276	-262	-248	-235	-221	-208	-194	-181
60	30.00	bu	-177	-161	-145	-128	-112	-96	-79	-63	-47	-30	-14
			-277	-261	-244	-228	-212	-196	-179	-163	-147	-130	-114
70	35.00	bu	-138	-119	-100	-81	-62	-43	-24	-5	13	32	51
			-238	-219	-200	-181	-162	-143	-124	-105	-86	-67	-48
80	40.00	bu	-99	-77	-55	-33	-12	9	31	53	74	96	118
			-198	-177	-155	-133	-112	-90	-68	-46	-25	-3	18
90	45.00	bu	-59	-35	-10	13	38	62	86	111	135	160	184
			-159	-135	-110	-86	-61	-37	-12	11	35	60	84
100	50.00	bu	-20	6	33	61	88	115	142	169	196	224	251
			-120	-93	-66	-38	-11	15	42	69	97	124	151
110	55.00	bu	18	48	78	108	138	168	198	228	257	287	317
			-81	-51	-21	8	38	68	98	128	158	187	217
120	60.00	bu	58	90	123	155	188	221	253	286	318	351	384
			-41	-9	23	56	88	121	153	186	219	251	284
130	65.00	bu	97	132	168	203	238	274	309	344	380	415	450
			-2	32	68	103	138	174	209	244	280	315	350
140	70.00	bu	136	174	212	250	288	326	364	403	441	479	517
			36	74	112	150	189	227	265	303	341	379	417
150	75.00	bu	175	216	257	298	339	379	420	461	502	542	583
			76	116	157	198	239	279	320	361	402	443	483

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 20.A Estimated costs per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
Non-irrigated, All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.0000	24.15	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
HERBICIDES					
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Enlist Duo	pt	6.89	3.5000	24.12	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
Prevathon	oz	1.47	14.0000	20.58	_____
Bifenthrin	oz	0.48	6.4000	3.07	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
SEED/PLANTS					
Soybean Enlist E3	lb	1.03	50.0000	51.50	_____
ADJUVANTS					
Surfactant	pt	3.30	0.5000	1.65	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	25.0000	7.25	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.0720	1.35	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0117	0.22	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0058	0.05	_____
UNALLOCATED LABOR	hour	18.72	0.1452	2.72	_____
DIESEL FUEL					
Tractors	gal	2.86	1.1121	3.18	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.1496	0.43	_____
REPAIR & MAINTENANCE					
Implements	acre	5.24	1.0000	5.24	_____
Tractors	acre	0.88	1.0000	0.88	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.22	1.0000	0.22	_____
INTEREST ON OP. CAP.	acre	13.51	1.0000	13.51	_____

TOTAL DIRECT EXPENSES				330.78	_____
FIXED EXPENSES					
Implements	acre	11.97	1.0000	11.97	_____
Tractors	acre	6.82	1.0000	6.82	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	1.76	1.0000	1.76	_____

TOTAL FIXED EXPENSES				43.40	_____

TOTAL SPECIFIED EXPENSES				374.18	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 20.B Summary of estimated costs and returns per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
Non-irrigated, All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	25.0000	271.75	_____
TOTAL INCOME				271.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	24.15	1.0000	24.15	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	7.14	1.0000	7.14	_____
HERBICIDES	acre	64.85	1.0000	64.85	_____
INSECTICIDES	acre	36.71	1.0000	36.71	_____
SEED/PLANTS	acre	51.50	1.0000	51.50	_____
ADJUVANTS	acre	1.65	1.0000	1.65	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	7.25	1.0000	7.25	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0566	0.51	_____
OPERATOR LABOR	hour	18.69	0.1689	3.16	_____
UNALLOCATED LABOR	hour	18.72	0.1452	2.72	_____
DIESEL FUEL	gal	2.86	2.6861	7.68	_____
REPAIR & MAINTENANCE	acre	11.11	1.0000	11.11	_____
INTEREST ON OP. CAP.	acre	13.51	1.0000	13.51	_____
TOTAL DIRECT EXPENSES				330.78	_____
RETURNS ABOVE DIRECT EXPENSES				-59.03	_____
TOTAL FIXED EXPENSES				43.40	_____
TOTAL SPECIFIED EXPENSES				374.18	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-102.43	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 20.C Estimated resource use for field operations, per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
Non-irrigated, All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.3330				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Soybeans Consultant	acre			1.00	May	1.0000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	Jun		0.05	0.05	0.10	0.04
Soybean Enlist E3	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.01
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Prevathon	oz					14.0000				
Surfactant	pt					0.1000				
Bifenthrin	oz					6.4000				
Incidental Pest				1.00	Sep					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Oct		0.08	0.08	0.08	0.07
Haul Soybeans	bu					25.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Oct		0.02	0.02	0.02	0.01
TOTALS							0.16	0.15	0.22	0.14

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 20.D Estimated costs for field operations, per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
Non-irrigated, All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Soybeans Consultant	acre	6.50					0.27	6.77		6.77
Plant & Pre-Folding	16R-30		2.24	4.43	2.23		0.31	9.21	14.00	23.21
Soybean Enlist E3	lb	51.50					1.77	53.27		53.27
CruiserMaxx Vibrance	oz	7.14					0.25	7.39		7.39
Inoculant -Soybean	acre	1.55					0.05	1.60		1.60
Boundary	pt	20.38					0.70	21.08		21.08
Gramoxone SL 2.0	oz	10.24					0.35	10.59		10.59
Surfactant	pt	1.32					0.05	1.37		1.37
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.46		0.03	1.14	1.76	2.90
Enlist Duo	pt	24.12					0.66	24.78		24.78
Dual Magnum	pt	10.11					0.28	10.39		10.39
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Acephate 90SP	lb	5.06					0.10	5.16		5.16
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Prevathon	oz	20.58					0.42	21.00		21.00
Surfactant	pt	0.33					0.01	0.34		0.34
Bifenthrin	oz	3.07					0.06	3.13		3.13
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
Header -Soybean	30' Flex		4.07	5.90	2.96		0.09	13.02	24.96	37.98
Haul Soybeans	bu	7.25					0.05	7.30		7.30
Grain Cart Soybean	700 bu		0.94	0.56	0.74		0.02	2.26	2.68	4.94
TOTALS		292.09	7.68	11.11	6.39	0.00	13.51	330.78	43.40	374.18

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 20.E Estimated monthly income and expense flows per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
Non-irrigated, All Areas, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	271.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.10	8.05	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.62	34.23	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.71	8.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.33	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.25
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.46	0.00	0.00	3.70
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.43	0.00	0.00	5.01
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.43	0.22	0.00	0.00	6.46
INTEREST ON OP. CAP.	7.48	0.00	0.00	0.00	0.00	0.00	0.27	3.48	0.97	0.93	0.22	0.16
TOTAL DIRECT EXPENSES	98.27	0.00	0.00	0.00	0.00	0.00	6.77	104.51	36.31	46.07	16.27	22.58
NET INCOME	-98.27	0.00	0.00	0.00	0.00	0.00	-6.77	-104.51	-36.31	-46.07	-16.27	249.17
NET INCOME TO DATE	-98.27	-98.27	-98.27	-98.27	-98.27	-98.27	-105.04	-209.55	-245.86	-291.93	-308.20	-59.03

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre* Lease costs are based on hourly usage costs.

Table 20.F Estimated returns for various price/yield combinations, per acre
Soybeans, double crop after wheat, Enlist E3, 16R30"
Non-irrigated, All Areas, Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	12.50	bu	-225	-218	-211	-204	-198	-191	-184	-177	-170	-164	-157
			-268	-261	-255	-248	-241	-234	-227	-221	-214	-207	-200
60	15.00	bu	-205	-197	-189	-181	-172	-164	-156	-148	-140	-132	-124
			-248	-240	-232	-224	-216	-208	-200	-191	-183	-175	-167
70	17.50	bu	-185	-176	-166	-157	-147	-138	-128	-119	-109	-100	-90
			-229	-219	-210	-200	-191	-181	-172	-162	-153	-143	-134
80	20.00	bu	-166	-155	-144	-133	-122	-111	-101	-90	-79	-68	-57
			-209	-198	-187	-177	-166	-155	-144	-133	-122	-111	-100
90	22.50	bu	-146	-134	-122	-109	-97	-85	-73	-61	-48	-36	-24
			-190	-177	-165	-153	-141	-128	-116	-104	-92	-79	-67
100	25.00	bu	-126	-113	-99	-86	-72	-59	-45	-31	-18	-4	8
			-170	-156	-143	-129	-116	-102	-88	-75	-61	-48	-34
110	27.50	bu	-107	-92	-77	-62	-47	-32	-17	-2	12	27	42
			-150	-135	-120	-105	-90	-75	-61	-46	-31	-16	-1
120	30.00	bu	-87	-71	-55	-38	-22	-6	10	26	42	59	75
			-131	-114	-98	-82	-65	-49	-33	-16	-0	15	31
130	32.50	bu	-68	-50	-32	-15	2	20	37	55	73	90	108
			-111	-93	-76	-58	-40	-23	-5	12	29	47	65
140	35.00	bu	-48	-29	-10	8	27	46	65	84	103	122	141
			-91	-72	-53	-34	-15	3	22	41	60	79	98
150	37.50	bu	-28	-8	12	32	52	73	93	113	134	154	175
			-72	-51	-31	-10	9	29	50	70	90	111	131

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 21.A Estimated costs per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.0000	32.20	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
Sodium Chlorate 5L	gal	8.40	0.6000	5.04	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Select Max	pt	15.01	1.0000	15.01	_____
Valor SX	oz	3.06	2.0000	6.12	_____
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Engenia	oz	1.06	12.8000	13.57	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
Zidua WG	oz	7.30	1.5000	10.95	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
SEED/PLANTS					
Soybean Seed RR2X	lb	1.16	50.0000	58.00	_____
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	42.0000	12.18	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2209	4.13	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0235	0.44	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0117	0.10	_____
UNALLOCATED LABOR	hour	18.67	0.2966	5.54	_____
DIESEL FUEL					
Tractors	gal	2.86	3.4114	9.75	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.2993	0.86	_____
REPAIR & MAINTENANCE					
Implements	acre	7.55	1.0000	7.55	_____
Tractors	acre	2.70	1.0000	2.70	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.44	1.0000	0.44	_____
INTEREST ON OP. CAP.	acre	17.97	1.0000	17.97	_____
TOTAL DIRECT EXPENSES				397.61	_____
FIXED EXPENSES					
Implements	acre	20.11	1.0000	20.11	_____
Tractors	acre	20.93	1.0000	20.93	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	3.52	1.0000	3.52	_____
TOTAL FIXED EXPENSES				67.41	_____
TOTAL SPECIFIED EXPENSES				465.02	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 21.B Summary of estimated costs and returns per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	42.0000	456.54	_____
TOTAL INCOME				456.54	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	32.20	1.0000	32.20	_____
HARVEST AIDS	acre	10.16	1.0000	10.16	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	7.14	1.0000	7.14	_____
HERBICIDES	acre	102.36	1.0000	102.36	_____
INSECTICIDES	acre	13.06	1.0000	13.06	_____
SEED/PLANTS	acre	58.00	1.0000	58.00	_____
ADJUVANTS	acre	3.30	1.0000	3.30	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	12.18	1.0000	12.18	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0625	0.56	_____
OPERATOR LABOR	hour	18.69	0.3295	6.16	_____
UNALLOCATED LABOR	hour	18.67	0.2966	5.54	_____
DIESEL FUEL	gal	2.86	5.1352	14.68	_____
REPAIR & MAINTENANCE	acre	15.46	1.0000	15.46	_____
INTEREST ON OP. CAP.	acre	17.97	1.0000	17.97	_____
TOTAL DIRECT EXPENSES				397.61	_____
RETURNS ABOVE DIRECT EXPENSES				58.93	_____
TOTAL FIXED EXPENSES				67.41	_____
TOTAL SPECIFIED EXPENSES				465.02	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-8.48	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 21.C Estimated resource use for field operations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Non-irrigated, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Subsoiler	3 shank	MFWD 300	0.204	0.20	Oct		0.04	0.04	0.04	0.03
Lime (Spread)	ton			0.33	Oct	0.3330				
Custom Apply Fert	acre			1.00	Oct	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Disk Harrow	32'	MFWD 300	0.061	1.00	Oct		0.06	0.06	0.06	0.05
Field Cultivate Fld	32'	MFWD 300	0.046	1.00	Oct		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
2,4-D Amine 4	pt					2.0000				
Select Max	pt					1.0000				
Valor SX	oz					2.0000				
Surfactant	pt					0.4000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	Apr		0.05	0.05	0.10	0.04
Soybean Seed RR2X	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Soybeans Consultant	acre			1.00	May	1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Engenia	oz					12.8000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Zidua WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
Incidental Pest				1.00	Aug					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Gramoxone SL	oz					16.0000				
Sodium Chlorate 5L	gal					0.6000				
Surfactant	pt					0.2000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Sep		0.08	0.08	0.08	0.07
Haul Soybeans	bu					42.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Sep		0.02	0.02	0.02	0.01
TOTALS							0.32	0.30	0.39	0.29

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 21.D Estimated costs for field operations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Non-irrigated, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Subsoiler	3 shank		1.80	0.58	1.45		0.32	4.15	4.15	8.30
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Disk Harrow	32'		2.71	2.24	2.18		0.59	7.72	9.76	17.48
Field Cultivate Fld	32'		2.06	1.31	1.65		0.41	5.43	8.34	13.77
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Select Max	pt	15.01					0.83	15.84		15.84
Valor SX	oz	6.12					0.34	6.46		6.46
Surfactant	pt	1.32					0.07	1.39		1.39
Plant & Pre-Folding	16R-30		2.24	4.43	2.26		0.37	9.30	14.00	23.30
Soybean Seed RR2X	lb	58.00					2.39	60.39		60.39
CruiserMaxx Vibrance	oz	7.14					0.29	7.43		7.43
Inoculant -Soybean	acre	1.55					0.06	1.61		1.61
Boundary	pt	20.38					0.84	21.22		21.22
Gramoxone SL 2.0	oz	10.24					0.42	10.66		10.66
Surfactant	pt	1.32					0.05	1.37		1.37
Soybeans Consultant	acre	6.50					0.22	6.72		6.72
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Engenia	oz	13.57					0.47	14.04		14.04
Dual Magnum	pt	10.11					0.35	10.46		10.46
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Zidua WG	oz	10.95					0.38	11.33		11.33
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Acephate 90SP	lb	5.06					0.07	5.13		5.13
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Gramoxone SL	oz	5.12					0.07	5.19		5.19
Sodium Chlorate 5L	gal	5.04					0.07	5.11		5.11
Surfactant	pt	0.66					0.01	0.67		0.67
Header -Soybean	30' Flex		4.07	5.90	3.02		0.09	13.08	24.96	38.04
Haul Soybeans	bu	12.18					0.08	12.26		12.26
Grain Cart Soybean	700 bu		0.94	0.56	0.76		0.02	2.28	2.68	4.96
TOTALS		337.24	14.68	15.46	12.26	0.00	17.97	397.61	67.41	465.02

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust,but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 21.E Estimated monthly income and expense flows per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	456.54
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	0.00	0.00	24.15	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	29.43	0.00	30.62	42.31	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.06	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	58.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	1.32	0.00	1.32	0.00	0.00	0.00	0.66	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.18
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	5.28	0.00	0.00	0.00	0.00	0.00	2.26	0.94	0.00	0.00	0.00	3.78
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	6.57	0.00	0.00	0.00	0.00	0.00	2.24	0.86	0.00	0.00	0.00	5.01
REPAIR & MAINTENANCE	4.13	0.00	0.00	0.00	0.00	0.00	4.43	0.44	0.00	0.00	0.00	6.46
INTEREST ON OP. CAP.	8.80	0.00	0.00	0.00	2.14	0.00	4.42	1.76	0.00	0.00	0.66	0.19
TOTAL DIRECT EXPENSES	115.57	0.00	0.00	0.00	40.94	0.00	111.98	52.81	0.00	0.00	48.69	27.62
NET INCOME	-115.57	0.00	0.00	0.00	-40.94	0.00	-111.98	-52.81	0.00	0.00	-48.69	428.92
NET INCOME TO DATE	-115.57	-115.57	-115.57	-115.57	-156.51	-156.51	-268.49	-321.30	-321.30	-321.30	-369.99	58.93

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.
* Lease costs are based on hourly usage costs.

Table 21.F Estimated returns for various price/yield combinations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Non-irrigated, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	21.00	bu	-220	-208	-197	-186	-174	-163	-151	-140	-128	-117	-106
			-287	-276	-264	-253	-242	-230	-219	-207	-196	-184	-173
60	25.20	bu	-187	-173	-159	-146	-132	-118	-105	-91	-77	-63	-50
			-254	-240	-227	-213	-199	-186	-172	-158	-145	-131	-117
70	29.40	bu	-154	-138	-122	-106	-90	-74	-58	-42	-26	-10	5
			-221	-205	-189	-173	-157	-141	-125	-109	-93	-77	-61
80	33.60	bu	-121	-102	-84	-66	-48	-29	-11	6	24	43	61
			-188	-170	-152	-133	-115	-97	-79	-60	-42	-24	-6
90	37.80	bu	-88	-67	-47	-26	-6	14	35	55	76	96	117
			-155	-135	-114	-93	-73	-52	-32	-11	8	29	49
100	42.00	bu	-55	-32	-9	13	36	58	81	104	127	150	173
			-122	-99	-76	-54	-31	-8	14	37	60	82	105
110	46.20	bu	-22	2	28	53	78	103	128	153	178	203	228
			-89	-64	-39	-14	10	35	61	86	111	136	161
120	50.40	bu	10	38	65	93	120	147	175	202	229	257	284
			-56	-29	-1	25	52	80	107	135	162	189	217
130	54.60	bu	43	73	103	132	162	192	221	251	281	310	340
			-23	6	35	65	95	124	154	184	213	243	273
140	58.80	bu	76	108	140	172	204	236	268	300	332	364	396
			9	41	73	105	137	169	201	233	265	297	329
150	63.00	bu	109	144	178	212	246	281	315	349	383	418	452
			42	76	110	145	179	213	247	282	316	350	384

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 22.A Estimated costs per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.0000	40.25	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
Sodium Chlorate 5L	gal	8.40	0.6000	5.04	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
Miravis Top	oz	1.46	13.7000	20.00	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Select Max	pt	15.01	1.0000	15.01	_____
Valor SX	oz	3.06	2.0000	6.12	_____
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Engenia	oz	1.06	12.8000	13.57	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
Zidua WG	oz	7.30	1.5000	10.95	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Soybean Seed RR2X	lb	1.16	50.0000	58.00	_____
ADJUVANTS					
Surfactant	pt	3.30	1.1000	3.63	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	60.0000	17.40	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3601	6.73	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0235	0.44	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0117	0.10	_____
UNALLOCATED LABOR	hour	18.67	0.3512	6.56	_____
DIESEL FUEL					
Tractors	gal	2.86	5.0744	14.50	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.2993	0.86	_____
Roll-Out Pipe Irr.	gal	2.86	7.3316	20.97	_____
REPAIR & MAINTENANCE					
Implements	acre	8.73	1.0000	8.73	_____
Tractors	acre	4.03	1.0000	4.03	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.44	1.0000	0.44	_____
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_____
INTEREST ON OP. CAP.	acre	20.37	1.0000	20.37	_____

TOTAL DIRECT EXPENSES				483.84	_____
FIXED EXPENSES					
Implements	acre	25.21	1.0000	25.21	_____
Tractors	acre	31.32	1.0000	31.32	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	3.52	1.0000	3.52	_____
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_____

TOTAL FIXED EXPENSES				157.37	_____

TOTAL SPECIFIED EXPENSES				641.21	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 22.B Summary of estimated costs and returns per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	60.0000	652.20	_____
TOTAL INCOME				652.20	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	40.25	1.0000	40.25	_____
HARVEST AIDS	acre	10.16	1.0000	10.16	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	27.14	1.0000	27.14	_____
HERBICIDES	acre	102.36	1.0000	102.36	_____
INSECTICIDES	acre	13.06	1.0000	13.06	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	58.00	1.0000	58.00	_____
ADJUVANTS	acre	3.63	1.0000	3.63	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	17.40	1.0000	17.40	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0625	0.56	_____
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_____
OPERATOR LABOR	hour	18.69	0.4687	8.76	_____
UNALLOCATED LABOR	hour	18.67	0.3512	6.56	_____
DIESEL FUEL	gal	2.86	14.1298	40.40	_____
REPAIR & MAINTENANCE	acre	25.13	1.0000	25.13	_____
INTEREST ON OP. CAP.	acre	20.37	1.0000	20.37	_____
TOTAL DIRECT EXPENSES				483.84	_____
RETURNS ABOVE DIRECT EXPENSES				168.36	_____
TOTAL FIXED EXPENSES				157.37	_____
TOTAL SPECIFIED EXPENSES				641.21	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				10.99	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 22.C Estimated resource use for field operations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Subsoiler	3 shank	MFWD 300	0.204	0.20	Oct		0.04	0.04	0.04	0.03
Lime (Spread)	ton			0.33	Oct	0.3330				
Custom Apply Fert	acre			1.00	Oct	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Disk Harrow	32'	MFWD 300	0.061	1.00	Oct		0.06	0.06	0.06	0.05
Field Cultivate Fld	32'	MFWD 300	0.046	1.00	Oct		0.04	0.04	0.04	0.04
Bed/Lister-Roll-Fo	16R-30	MFWD 300	0.060	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
2,4-D Amine 4	pt					2.0000				
Select Max	pt					1.0000				
Valor SX	oz					2.0000				
Surfactant	pt					0.4000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	Apr		0.05	0.05	0.10	0.04
Soybean Seed RR2X	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Soybeans Consultant	acre			1.00	May	1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Engenia	oz					12.8000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Zidua WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Miravis Top	oz					13.7000				
Surfactant	pt					0.1000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
Incidental Pest				1.00	Aug					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Gramoxone SL	oz					16.0000				
Sodium Chlorate 5L	gal					0.6000				
Surfactant	pt					0.2000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Sep		0.08	0.08	0.08	0.07
Haul Soybeans	bu					60.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Sep		0.02	0.02	0.02	0.01
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.44	
TOTALS							0.46	0.44	0.89	0.35

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 22.D Estimated costs for field operations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Subsoiler	3 shank		1.80	0.58	1.45		0.32	4.15	4.15	8.30
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Disk Harrow	32'		2.71	2.24	2.18		0.59	7.72	9.76	17.48
Field Cultivate Fld	32'		2.06	1.31	1.65		0.41	5.43	8.34	13.77
Bed/Lister-Roll-Fo	16R-30		2.68	1.67	2.15		0.54	7.04	8.84	15.88
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Select Max	pt	15.01					0.83	15.84		15.84
Valor SX	oz	6.12					0.34	6.46		6.46
Surfactant	pt	1.32					0.07	1.39		1.39
Plant & Pre-Folding	16R-30		2.24	4.43	2.26		0.37	9.30	14.00	23.30
Soybean Seed RR2X	lb	58.00					2.39	60.39		60.39
CruiserMaxx Vibrance	oz	7.14					0.29	7.43		7.43
Inoculant -Soybean	acre	1.55					0.06	1.61		1.61
Boundary	pt	20.38					0.84	21.22		21.22
Gramoxone SL 2.0	oz	10.24					0.42	10.66		10.66
Surfactant	pt	1.32					0.05	1.37		1.37
Soybeans Consultant	acre	6.50					0.22	6.72		6.72
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Engenia	oz	13.57					0.47	14.04		14.04
Dual Magnum	pt	10.11					0.35	10.46		10.46
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Zidua WG	oz	10.95					0.38	11.33		11.33
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Miravis Top	oz	20.00					0.41	20.41		20.41
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Acephate 90SP	lb	5.06					0.07	5.13		5.13
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Gramoxone SL	oz	5.12					0.07	5.19		5.19
Sodium Chlorate 5L	gal	5.04					0.07	5.11		5.11
Surfactant	pt	0.66					0.01	0.67		0.67
Header -Soybean	30' Flex		4.07	5.90	3.02		0.09	13.08	24.96	38.04
Haul Soybeans	bu	17.40					0.12	17.52		17.52
Grain Cart Soybean	700 bu		0.94	0.56	0.76		0.02	2.28	2.68	4.96
Roll-Out Pipe Irr.	acre	7.92	23.04	8.00	4.77		1.23	44.96	81.12	126.08
TOTALS		378.76	40.40	25.13	19.18	0.00	20.37	483.84	157.37	641.21

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 22.E Estimated monthly income and expense flows per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	652.20
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	0.00	8.05	24.15	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	20.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	29.43	0.00	30.62	42.31	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.06	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	58.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	1.32	0.00	1.32	0.00	0.00	0.33	0.66	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.40
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	8.14	0.00	0.00	0.00	0.00	0.00	2.26	1.17	2.91	0.23	0.00	4.47
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	10.31	0.00	0.00	0.00	0.00	0.00	2.24	0.86	14.52	6.99	0.00	5.48
REPAIR & MAINTENANCE	6.22	0.00	0.00	0.00	0.00	0.00	4.43	0.44	5.98	1.40	0.00	6.66
INTEREST ON OP. CAP.	9.52	0.00	0.00	0.00	2.14	0.00	4.42	1.77	0.86	0.76	0.66	0.24
TOTAL DIRECT EXPENSES	124.98	0.00	0.00	0.00	40.94	0.00	111.98	53.05	32.19	37.76	48.69	34.25
NET INCOME	-124.98	0.00	0.00	0.00	-40.94	0.00	-111.98	-53.05	-32.19	-37.76	-48.69	617.95
NET INCOME TO DATE	-124.98	-124.98	-124.98	-124.98	-165.92	-165.92	-277.90	-330.95	-363.14	-400.90	-449.59	168.36

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.
* Lease costs are based on hourly usage costs.

Table 22.F Estimated returns for various price/yield combinations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	30.00	bu	-230	-214	-197	-181	-165	-148	-132	-116	-100	-83	-67
			-387	-371	-355	-338	-322	-306	-290	-273	-257	-241	-224
60	36.00	bu	-183	-163	-144	-124	-105	-85	-65	-46	-26	-7	12
			-340	-321	-301	-282	-262	-242	-223	-203	-184	-164	-145
70	42.00	bu	-136	-113	-90	-67	-44	-22	0	23	46	69	92
			-293	-270	-247	-225	-202	-179	-156	-133	-110	-88	-65
80	48.00	bu	-89	-62	-36	-10	15	41	67	93	119	145	171
			-246	-220	-194	-168	-142	-115	-89	-63	-37	-11	14
90	54.00	bu	-41	-12	16	46	75	104	134	163	192	222	251
			-199	-169	-140	-111	-81	-52	-23	6	35	64	94
100	60.00	bu	5	37	70	103	135	168	200	233	266	298	331
			-152	-119	-86	-54	-21	10	43	76	108	141	174
110	66.00	bu	52	88	124	160	195	231	267	303	339	375	411
			-104	-69	-33	2	38	74	110	146	182	217	253
120	72.00	bu	99	138	177	217	256	295	334	373	412	451	490
			-57	-18	20	59	98	137	177	216	255	294	333
130	78.00	bu	146	189	231	273	316	358	401	443	485	528	570
			-10	31	74	116	159	201	243	286	328	370	413
140	84.00	bu	193	239	285	330	376	422	467	513	559	604	650
			36	82	127	173	219	264	310	356	401	447	493
150	90.00	bu	241	290	338	387	436	485	534	583	632	681	730
			83	132	181	230	279	328	377	426	475	523	572

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 23.A Estimated costs per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.0000	32.20	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
Sodium Chlorate 5L	gal	8.40	0.6000	5.04	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
Miravis Top	oz	1.46	13.7000	20.00	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Valor SX	oz	3.06	2.0000	6.12	_____
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Engenia	oz	1.06	12.8000	13.57	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
SEED/PLANTS					
Soybean Seed RR2X	lb	1.16	50.0000	58.00	_____
ADJUVANTS					
Surfactant	pt	3.30	1.1000	3.63	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	53.0000	15.37	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3362	6.27	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0352	0.66	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3125	2.82	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0176	0.15	_____
UNALLOCATED LABOR	hour	18.69	0.2284	4.27	_____
DIESEL FUEL					
Tractors	gal	2.86	3.8348	10.98	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.4490	1.29	_____
Contour Flood Irr.	gal	2.86	10.9974	31.44	_____
REPAIR & MAINTENANCE					
Implements	acre	7.09	1.0000	7.09	_____
Tractors	acre	3.02	1.0000	3.02	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.66	1.0000	0.66	_____
Contour Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	19.31	1.0000	19.31	_____

TOTAL DIRECT EXPENSES				460.76	_____
FIXED EXPENSES					
Implements	acre	18.03	1.0000	18.03	_____
Tractors	acre	23.26	1.0000	23.26	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	5.28	1.0000	5.28	_____
Contour Flood Irr.	acre	58.74	1.0000	58.74	_____

TOTAL FIXED EXPENSES				128.16	_____

TOTAL SPECIFIED EXPENSES				588.92	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 23.B Summary of estimated costs and returns per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	53.0000	576.11	_____
TOTAL INCOME				576.11	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	32.20	1.0000	32.20	_____
HARVEST AIDS	acre	10.16	1.0000	10.16	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	27.14	1.0000	27.14	_____
HERBICIDES	acre	86.95	1.0000	86.95	_____
INSECTICIDES	acre	13.06	1.0000	13.06	_____
SEED/PLANTS	acre	58.00	1.0000	58.00	_____
ADJUVANTS	acre	3.63	1.0000	3.63	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	15.37	1.0000	15.37	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0683	0.61	_____
IRRIGATE LABOR	hour	9.06	0.3125	2.82	_____
OPERATOR LABOR	hour	18.69	0.4566	8.52	_____
UNALLOCATED LABOR	hour	18.69	0.2284	4.27	_____
DIESEL FUEL	gal	2.86	16.7057	47.78	_____
REPAIR & MAINTENANCE	acre	29.85	1.0000	29.85	_____
INTEREST ON OP. CAP.	acre	19.31	1.0000	19.31	_____
TOTAL DIRECT EXPENSES				460.76	_____
RETURNS ABOVE DIRECT EXPENSES				115.35	_____
TOTAL FIXED EXPENSES				128.16	_____
TOTAL SPECIFIED EXPENSES				588.92	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-12.81	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 23.C Estimated resource use for field operations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Disk Harrow	32'	MFWD 300	0.061	1.00	Nov		0.06	0.06	0.06	0.05
Lime (Spread)	ton			0.33	Nov	0.3330				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Feb			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.4000				
Valor SX	oz					2.0000				
Soybeans Consultant	acre			1.00	May	1.0000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	May		0.05	0.05	0.10	0.04
Soybean Seed RR2X	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Engenia	oz					12.8000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Miravis Top	oz					13.7000				
Surfactant	pt					0.1000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
Incidental Pest				1.00	Sep					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Gramoxone SL	oz					16.0000				
Sodium Chlorate 5L	gal					0.6000				
Surfactant	pt					0.2000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Oct		0.08	0.08	0.08	0.07
Haul Soybeans	bu					53.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Oct		0.02	0.02	0.02	0.01
Contour Flood Irr.	acre				Jul	1.0000	0.20	0.20	0.51	
TOTALS							0.45	0.42	0.83	0.22

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 23.D Estimated costs for field operations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Disk Harrow	32'		2.71	2.24	2.18		0.59	7.72	9.76	17.48
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.07	1.19	1.76	2.95
Glyphosate 3lbs a.e	oz	3.84					0.24	4.08		4.08
Select Max	pt	15.01					0.93	15.94		15.94
Surfactant	pt	1.32					0.08	1.40		1.40
Valor SX	oz	6.12					0.38	6.50		6.50
Soybeans Consultant	acre	6.50					0.27	6.77		6.77
Plant & Pre-Folding	16R-30		2.24	4.43	2.26		0.37	9.30	14.00	23.30
Soybean Seed RR2X	lb	58.00					2.39	60.39		60.39
CruiserMaxx Vibrance	oz	7.14					0.29	7.43		7.43
Inoculant -Soybean	acre	1.55					0.06	1.61		1.61
Boundary	pt	20.38					0.84	21.22		21.22
Gramoxone SL 2.0	oz	10.24					0.42	10.66		10.66
Surfactant	pt	1.32					0.05	1.37		1.37
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.05	1.17	1.76	2.93
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Engenia	oz	13.57					0.56	14.13		14.13
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47		0.04	1.16	1.76	2.92
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
App by Air (5 gal)	appl	8.05					0.22	8.27		8.27
Miravis Top	oz	20.00					0.55	20.55		20.55
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Acephate 90SP	lb	5.06					0.10	5.16		5.16
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Gramoxone SL	oz	5.12					0.07	5.19		5.19
Sodium Chlorate 5L	gal	5.04					0.07	5.11		5.11
Surfactant	pt	0.66					0.01	0.67		0.67
Header -Soybean	30' Flex		4.07	5.90	3.02		0.09	13.08	24.96	38.04
Haul Soybeans	bu	15.37					0.11	15.48		15.48
Grain Cart Soybean	700 bu		0.94	0.56	0.76		0.02	2.28	2.68	4.96
Contour Flood Irr.	acre	2.25	36.53	16.06	6.59		1.74	63.17	71.48	134.65
TOTALS		347.60	47.78	29.85	16.22	0.00	19.31	460.76	128.16	588.92

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust,but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 23.E Estimated monthly income and expense flows per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	576.11
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.05	8.05	16.10	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	20.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	24.97	0.00	0.00	58.14	3.84	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.06	8.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	58.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	1.32	0.00	0.00	1.32	0.00	0.33	0.00	0.66	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.37
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.18	0.00	0.00	0.47	0.00	0.00	3.18	2.64	1.87	1.87	0.23	3.78
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.71	0.00	0.00	0.43	0.00	0.00	2.67	12.77	11.94	11.94	0.31	5.01
REPAIR & MAINTENANCE	2.24	0.00	0.00	0.22	0.00	0.00	4.65	9.58	3.30	3.30	0.10	6.46
INTEREST ON OP. CAP.	8.07	0.00	0.00	1.70	0.00	0.00	5.90	1.07	1.25	0.61	0.49	0.22
TOTAL DIRECT EXPENSES	105.99	0.00	0.00	29.11	0.00	0.00	149.05	32.15	46.74	30.83	36.05	30.84
NET INCOME	-105.99	0.00	0.00	-29.11	0.00	0.00	-149.05	-32.15	-46.74	-30.83	-36.05	545.27
NET INCOME TO DATE	-105.99	-105.99	-105.99	-135.10	-135.10	-135.10	-284.15	-316.30	-363.04	-393.87	-429.92	115.35

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.
* Lease costs are based on hourly usage costs.

Table 23.F Estimated returns for various price/yield combinations, per acre
Soybeans, full-season, RR2X/XF, stale seedbed, 16R 30"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	26.50	bu	-236	-222	-208	-193	-179	-164	-150	-136	-121	-107	-92
			-365	-350	-336	-321	-307	-293	-278	-264	-249	-235	-221
60	31.80	bu	-195	-178	-160	-143	-126	-108	-91	-74	-57	-39	-22
			-323	-306	-288	-271	-254	-237	-219	-202	-185	-167	-150
70	37.10	bu	-153	-133	-113	-93	-73	-52	-32	-12	7	27	47
			-281	-261	-241	-221	-201	-180	-160	-140	-120	-100	-80
80	42.40	bu	-111	-88	-65	-42	-19	3	26	49	72	95	118
			-240	-217	-194	-171	-147	-124	-101	-78	-55	-32	-9
90	47.70	bu	-70	-44	-18	7	33	59	85	111	137	162	188
			-198	-172	-146	-120	-94	-68	-42	-17	8	34	60
100	53.00	bu	-28	0	28	57	86	115	144	172	201	230	259
			-156	-128	-99	-70	-41	-12	15	44	73	102	131
110	58.30	bu	12	44	76	108	139	171	203	234	266	298	329
			-115	-83	-51	-20	11	43	74	106	138	169	201
120	63.60	bu	54	89	123	158	192	227	262	296	331	365	400
			-73	-38	-4	30	64	99	133	168	203	237	272
130	68.90	bu	96	133	171	208	246	283	320	358	395	433	470
			-31	5	43	80	117	155	192	230	267	305	342
140	74.20	bu	137	178	218	258	299	339	379	420	460	500	541
			9	50	90	130	171	211	251	292	332	372	413
150	79.50	bu	179	222	266	309	352	395	438	482	525	568	611
			51	94	137	181	224	267	310	353	397	440	483

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 24.A Estimated costs per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.0000	32.20	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
Miravis Top	oz	1.46	13.7000	20.00	_____
HERBICIDES					
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Engenia	oz	1.06	12.8000	13.57	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
Prevathon	oz	1.47	14.0000	20.58	_____
Bifenthrin	oz	0.48	6.4000	3.07	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
SEED/PLANTS					
Soybean Seed RR2X	lb	1.16	50.0000	58.00	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	50.0000	14.50	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.0720	1.35	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0117	0.22	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.0518	0.47	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0058	0.05	_____
UNALLOCATED LABOR	hour	18.72	0.1452	2.72	_____
DIESEL FUEL					
Tractors	gal	2.86	1.1121	3.18	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.1496	0.43	_____
1/2-mi Pivot Irr.	gal	2.86	16.4057	46.93	_____
REPAIR & MAINTENANCE					
Implements	acre	5.24	1.0000	5.24	_____
Tractors	acre	0.88	1.0000	0.88	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.22	1.0000	0.22	_____
1/2-mi Pivot Irr.	acre	12.00	1.0000	12.00	_____
INTEREST ON OP. CAP.	acre	15.89	1.0000	15.89	_____

TOTAL DIRECT EXPENSES				427.98	_____
FIXED EXPENSES					
Implements	acre	11.97	1.0000	11.97	_____
Tractors	acre	6.82	1.0000	6.82	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	1.76	1.0000	1.76	_____
1/2-mi Pivot Irr.	acre	56.45	1.0000	56.45	_____

TOTAL FIXED EXPENSES				99.85	_____

TOTAL SPECIFIED EXPENSES				527.83	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 24.B Summary of estimated costs and returns per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	50.0000	543.50	_____

TOTAL INCOME				543.50	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	32.20	1.0000	32.20	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	27.14	1.0000	27.14	_____
HERBICIDES	acre	58.14	1.0000	58.14	_____
INSECTICIDES	acre	36.71	1.0000	36.71	_____
SEED/PLANTS	acre	58.00	1.0000	58.00	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	14.50	1.0000	14.50	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0566	0.51	_____
IRRIGATE LABOR	hour	9.06	0.0518	0.47	_____
OPERATOR LABOR	hour	18.69	0.1689	3.16	_____
UNALLOCATED LABOR	hour	18.72	0.1452	2.72	_____
DIESEL FUEL	gal	2.86	19.0919	54.61	_____
REPAIR & MAINTENANCE	acre	23.11	1.0000	23.11	_____
INTEREST ON OP. CAP.	acre	15.89	1.0000	15.89	_____

TOTAL DIRECT EXPENSES				427.98	_____
RETURNS ABOVE DIRECT EXPENSES				115.52	_____
TOTAL FIXED EXPENSES				99.85	_____

TOTAL SPECIFIED EXPENSES				527.83	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				15.67	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 24.C Estimated resource use for field operations, per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.3330				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Soybeans Consultant	acre			1.00	May	1.0000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	Jun		0.05	0.05	0.10	0.04
Soybean Seed RR2X	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Engenia	oz					12.8000				
Dual Magnum	pt					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Miravis Top	oz					13.7000				
Surfactant	pt					0.1000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Prevathon	oz					14.0000				
Surfactant	pt					0.1000				
Bifenthrin	oz					6.4000				
Incidental Pest				1.00	Sep					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Oct		0.08	0.08	0.08	0.07
Haul Soybeans	bu					50.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Oct		0.02	0.02	0.02	0.01
1/2-mi Pivot Irr.	acre				Jul	1.0000			0.05	
							-------	-------	-------	-------
TOTALS							0.16	0.15	0.27	0.14

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 24.D Estimated costs for field operations, per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Soybeans Consultant	acre	6.50					0.27	6.77		6.77
Plant & Pre-Folding	16R-30		2.24	4.43	2.23		0.31	9.21	14.00	23.21
Soybean Seed RR2X	lb	58.00					1.99	59.99		59.99
CruiserMaxx Vibrance	oz	7.14					0.25	7.39		7.39
Inoculant -Soybean	acre	1.55					0.05	1.60		1.60
Boundary	pt	20.38					0.70	21.08		21.08
Gramoxone SL 2.0	oz	10.24					0.35	10.59		10.59
Surfactant	pt	1.32					0.05	1.37		1.37
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.46		0.03	1.14	1.76	2.90
Glyphosate 3lbs a.e	oz	3.84					0.11	3.95		3.95
Engenia	oz	13.57					0.37	13.94		13.94
Dual Magnum	pt	10.11					0.28	10.39		10.39
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Miravis Top	oz	20.00					0.41	20.41		20.41
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Acephate 90SP	lb	5.06					0.10	5.16		5.16
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Prevathon	oz	20.58					0.42	21.00		21.00
Surfactant	pt	0.33					0.01	0.34		0.34
Bifenthrin	oz	3.07					0.06	3.13		3.13
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
Header -Soybean	30' Flex		4.07	5.90	2.96		0.09	13.02	24.96	37.98
Haul Soybeans	bu	14.50					0.10	14.60		14.60
Grain Cart Soybean	700 bu		0.94	0.56	0.74		0.02	2.26	2.68	4.94
1/2-mi Pivot Irr.	acre		46.93	12.00	0.47		1.70	61.10	56.45	117.55
TOTALS		327.51	54.61	23.11	6.86	0.00	15.89	427.98	99.85	527.83

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 24.E Estimated monthly income and expense flows per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	543.50
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.15	8.05	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	20.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.62	27.52	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.71	8.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.66	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.50
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.34	2.27	0.51	0.04	0.00	3.70
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.32	19.20	14.08	0.00	5.01
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.84	1.13	0.68	0.00	6.46
INTEREST ON OP. CAP.	7.48	0.00	0.00	0.00	0.00	0.00	0.28	4.55	1.33	1.82	0.22	0.21
TOTAL DIRECT EXPENSES	98.27	0.00	0.00	0.00	0.00	0.00	7.12	136.61	49.69	90.14	16.27	29.88
NET INCOME	-98.27	0.00	0.00	0.00	0.00	0.00	-7.12	-136.61	-49.69	-90.14	-16.27	513.62
NET INCOME TO DATE	-98.27	-98.27	-98.27	-98.27	-98.27	-98.27	-105.39	-242.00	-291.69	-381.83	-398.10	115.52

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.
* Lease costs are based on hourly usage costs.

Table 24.F Estimated returns for various price/yield combinations, per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
1/2 mile pivot irrigated, 7.5 ac-in., All Areas, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-216	-203	-189	-176	-162	-148	-135	-121	-108	-94	-80
			-316	-303	-289	-275	-262	-248	-235	-221	-208	-194	-180
60	30.00	bu	-177	-161	-144	-128	-112	-96	-79	-63	-47	-30	-14
			-277	-261	-244	-228	-212	-195	-179	-163	-146	-130	-114
70	35.00	bu	-138	-119	-100	-81	-62	-43	-24	-5	13	32	51
			-238	-219	-200	-181	-162	-143	-123	-104	-85	-66	-47
80	40.00	bu	-98	-77	-55	-33	-12	9	31	53	74	96	118
			-198	-177	-155	-133	-111	-90	-68	-46	-24	-3	18
90	45.00	bu	-59	-35	-10	13	38	62	87	111	136	160	184
			-159	-135	-110	-86	-61	-37	-12	11	36	60	85
100	50.00	bu	-20	6	33	61	88	115	142	169	197	224	251
			-120	-93	-65	-38	-11	15	42	70	97	124	151
110	55.00	bu	18	48	78	108	138	168	198	228	258	287	317
			-80	-51	-21	8	38	68	98	128	158	188	218
120	60.00	bu	58	90	123	156	188	221	253	286	319	351	384
			-41	-8	23	56	88	121	154	186	219	251	284
130	65.00	bu	97	132	168	203	238	274	309	344	380	415	450
			-2	33	68	103	139	174	209	244	280	315	350
140	70.00	bu	136	174	212	250	289	327	365	403	441	479	517
			37	75	113	151	189	227	265	303	341	379	417
150	75.00	bu	176	216	257	298	339	379	420	461	502	543	583
			76	117	157	198	239	280	320	361	402	443	483

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 25.A Estimated costs per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
Non-irrigated, All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.0000	24.15	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	0.8700	25.32	_____
Potash (60% K2O)	cwt	27.09	1.3300	36.03	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
HERBICIDES					
Boundary	pt	10.19	2.0000	20.38	_____
Gramoxone SL 2.0	oz	0.32	32.0000	10.24	_____
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Engenia	oz	1.06	12.8000	13.57	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
INSECTICIDES					
Acephate 90SP	lb	6.75	0.7500	5.06	_____
Prevathon	oz	1.47	14.0000	20.58	_____
Bifenthrin	oz	0.48	6.4000	3.07	_____
IncidentalPestTrt $8	acre	8.00	1.0000	8.00	_____
SEED/PLANTS					
Soybean Seed RR2X	lb	1.16	50.0000	58.00	_____
ADJUVANTS					
Surfactant	pt	3.30	0.5000	1.65	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	25.0000	7.25	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
INOCULANT					
Inoculant -Soybean	acre	1.55	1.0000	1.55	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.0720	1.35	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0117	0.22	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0058	0.05	_____
UNALLOCATED LABOR	hour	18.72	0.1452	2.72	_____
DIESEL FUEL					
Tractors	gal	2.86	1.1121	3.18	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.1496	0.43	_____
REPAIR & MAINTENANCE					
Implements	acre	5.24	1.0000	5.24	_____
Tractors	acre	0.88	1.0000	0.88	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.22	1.0000	0.22	_____
INTEREST ON OP. CAP.	acre	13.55	1.0000	13.55	_____

TOTAL DIRECT EXPENSES				330.61	_____
FIXED EXPENSES					
Implements	acre	11.97	1.0000	11.97	_____
Tractors	acre	6.82	1.0000	6.82	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	1.76	1.0000	1.76	_____

TOTAL FIXED EXPENSES				43.40	_____

TOTAL SPECIFIED EXPENSES				374.01	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 25.B Summary of estimated costs and returns per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
Non-irrigated, All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	25.0000	271.75	_____
TOTAL INCOME				271.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	24.15	1.0000	24.15	_____
FERTILIZERS	acre	61.35	1.0000	61.35	_____
FUNGICIDES	acre	7.14	1.0000	7.14	_____
HERBICIDES	acre	58.14	1.0000	58.14	_____
INSECTICIDES	acre	36.71	1.0000	36.71	_____
SEED/PLANTS	acre	58.00	1.0000	58.00	_____
ADJUVANTS	acre	1.65	1.0000	1.65	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	7.25	1.0000	7.25	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
INOCULANT	acre	1.55	1.0000	1.55	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0566	0.51	_____
OPERATOR LABOR	hour	18.69	0.1689	3.16	_____
UNALLOCATED LABOR	hour	18.72	0.1452	2.72	_____
DIESEL FUEL	gal	2.86	2.6861	7.68	_____
REPAIR & MAINTENANCE	acre	11.11	1.0000	11.11	_____
INTEREST ON OP. CAP.	acre	13.55	1.0000	13.55	_____
TOTAL DIRECT EXPENSES				330.61	_____
RETURNS ABOVE DIRECT EXPENSES				-58.86	_____
TOTAL FIXED EXPENSES				43.40	_____
TOTAL SPECIFIED EXPENSES				374.01	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-102.26	_____

Note: Cost of production estimates are based on 2024 input prices. These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 25.C Estimated resource use for field operations, per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
Non-irrigated, All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.3330				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Phosphorus(46% P2O5)	cwt					0.8700				
Potash (60% K2O)	cwt					1.3300				
Soybeans Consultant	acre			1.00	May	1.0000				
Plant & Pre-Folding	16R-30	MFWD 300	0.050	1.00	Jun		0.05	0.05	0.10	0.04
Soybean Seed RR2X	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
Inoculant -Soybean	acre					1.0000				
Boundary	pt					2.0000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Engenia	oz					12.8000				
Dual Magnum	pt					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Prevathon	oz					14.0000				
Surfactant	pt					0.1000				
Bifenthrin	oz					6.4000				
Incidental Pest				1.00	Sep					
App by Air (5 gal)	appl					1.0000				
IncidentalPestTrt $8	acre					1.0000				
Header -Soybean	30' Flex	325 hp	0.085	1.00	Oct		0.08	0.08	0.08	0.07
Haul Soybeans	bu					25.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Oct		0.02	0.02	0.02	0.01
TOTALS							0.16	0.15	0.22	0.14

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 25.D Estimated costs for field operations, per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
Non-irrigated, All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	17.11					1.41	18.52		18.52
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Phosphorus(46% P2O5)	cwt	25.32					2.09	27.41		27.41
Potash (60% K2O)	cwt	36.03					2.97	39.00		39.00
Soybeans Consultant	acre	6.50					0.27	6.77		6.77
Plant & Pre-Folding	16R-30		2.24	4.43	2.23		0.31	9.21	14.00	23.21
Soybean Seed RR2X	lb	58.00					1.99	59.99		59.99
CruiserMaxx Vibrance	oz	7.14					0.25	7.39		7.39
Inoculant -Soybean	acre	1.55					0.05	1.60		1.60
Boundary	pt	20.38					0.70	21.08		21.08
Gramoxone SL 2.0	oz	10.24					0.35	10.59		10.59
Surfactant	pt	1.32					0.05	1.37		1.37
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.46		0.03	1.14	1.76	2.90
Glyphosate 3lbs a.e	oz	3.84					0.11	3.95		3.95
Engenia	oz	13.57					0.37	13.94		13.94
Dual Magnum	pt	10.11					0.28	10.39		10.39
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Acephate 90SP	lb	5.06					0.10	5.16		5.16
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Prevathon	oz	20.58					0.42	21.00		21.00
Surfactant	pt	0.33					0.01	0.34		0.34
Bifenthrin	oz	3.07					0.06	3.13		3.13
Incidental Pest										
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
IncidentalPestTrt $8	acre	8.00					0.11	8.11		8.11
Header -Soybean	30' Flex		4.07	5.90	2.96		0.09	13.02	24.96	37.98
Haul Soybeans	bu	7.25					0.05	7.30		7.30
Grain Cart Soybean	700 bu		0.94	0.56	0.74		0.02	2.26	2.68	4.94
TOTALS		291.88	7.68	11.11	6.39	0.00	13.55	330.61	43.40	374.01

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre.

Table 25.E Estimated monthly income and expense flows per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
Non-irrigated, All Areas, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	271.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.10	8.05	0.00
FERTILIZERS	61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.62	27.52	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.71	8.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.33	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.25
CUSTOM LIME	17.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.46	0.00	0.00	3.70
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.43	0.00	0.00	5.01
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.43	0.22	0.00	0.00	6.46
INTEREST ON OP. CAP.	7.48	0.00	0.00	0.00	0.00	0.00	0.27	3.70	0.79	0.93	0.22	0.16
TOTAL DIRECT EXPENSES	98.27	0.00	0.00	0.00	0.00	0.00	6.77	111.23	29.42	46.07	16.27	22.58
NET INCOME	-98.27	0.00	0.00	0.00	0.00	0.00	-6.77	-111.23	-29.42	-46.07	-16.27	249.17
NET INCOME TO DATE	-98.27	-98.27	-98.27	-98.27	-98.27	-98.27	-105.04	-216.27	-245.69	-291.76	-308.03	-58.86

Note: Cost of production estimates are based on 2024 input prices.
These fertilizer rates are based on the assumption that 30-40% of the soybean fields would be mixed to light textured fields and not heavy clay exclusively. Also, rates are based on maintenance levels associated with the expected yield in the budget. **Fertilization decisions should be based on soil tests. Soil test cost is prorated for a test every 3rd year. Lime cost prorated for application every 3rd year.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $10 to $18 plus application cost per acre

* Lease costs are based on hourly usage costs.

Table 25.F Estimated returns for various price/yield combinations, per acre
Soybeans, double crop after wheat, RR2X/XF, 16R 30"
Non-irrigated, All Areas, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			8.15	8.69	9.23	9.78	10.32	10.87	11.41	11.95	12.50	13.04	13.58
PERCENT	YIELD	UNIT	dollars										
50	12.50	bu	-225	-218	-211	-204	-197	-191	-184	-177	-170	-163	-157
			-268	-261	-254	-248	-241	-234	-227	-220	-214	-207	-200
60	15.00	bu	-205	-197	-189	-180	-172	-164	-156	-148	-140	-132	-123
			-248	-240	-232	-224	-216	-208	-199	-191	-183	-175	-167
70	17.50	bu	-185	-176	-166	-157	-147	-138	-128	-119	-109	-100	-90
			-229	-219	-210	-200	-191	-181	-172	-162	-153	-143	-134
80	20.00	bu	-166	-155	-144	-133	-122	-111	-100	-90	-79	-68	-57
			-209	-198	-187	-176	-166	-155	-144	-133	-122	-111	-100
90	22.50	bu	-146	-134	-121	-109	-97	-85	-73	-60	-48	-36	-24
			-189	-177	-165	-153	-140	-128	-116	-104	-92	-79	-67
100	25.00	bu	-126	-113	-99	-86	-72	-58	-45	-31	-18	-4	9
			-170	-156	-143	-129	-115	-102	-88	-75	-61	-47	-34
110	27.50	bu	-107	-92	-77	-62	-47	-32	-17	-2	12	27	42
			-150	-135	-120	-105	-90	-75	-60	-45	-30	-16	-1
120	30.00	bu	-87	-71	-54	-38	-22	-5	10	26	42	59	75
			-130	-114	-98	-81	-65	-49	-33	-16	-0	15	32
130	32.50	bu	-67	-50	-32	-14	2	20	38	55	73	91	108
			-111	-93	-75	-58	-40	-22	-5	12	30	47	65
140	35.00	bu	-48	-29	-10	8	27	46	65	84	103	123	142
			-91	-72	-53	-34	-15	3	22	41	60	79	98
150	37.50	bu	-28	-8	12	32	52	73	93	114	134	154	175
			-71	-51	-31	-10	9	29	50	70	91	111	131

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 26.A Estimated costs per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.0000	16.10	_____
App by Air (3 gal)	appl	7.50	0.2000	1.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	1.9570	56.95	_____
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
Fert 10-34-0	gal	3.85	4.0000	15.40	_____
Zinc Plus	pt	3.63	2.0000	7.26	_____
UAN + Sulfur (28%)	gal	2.76	32.1712	88.79	_____
UAN (32%)	gal	2.41	30.0000	72.30	_____
Urea, Solid (46% N)	cwt	25.98	1.0000	25.98	_____
FUNGICIDES					
Trivapro	oz	1.47	13.7000	20.14	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Clarity	pt	15.00	0.5000	7.50	_____
Select Max	pt	15.01	1.0000	15.01	_____
Atrazine 4L	pt	2.18	4.0000	8.72	_____
Halex GT	pt	6.11	3.6000	22.00	_____
INSECTICIDES					
Bifenthrin	oz	0.48	1.2800	0.61	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	34.0000	122.74	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
App Fert by Air	cwt	13.60	1.0000	13.60	_____
HAULING					
Haul Corn	bu	0.31	235.0000	72.85	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Corn Consultant	acre	6.00	1.0000	6.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4484	8.39	_____
Harvesters	hour	18.69	0.1277	2.39	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3250	2.96	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.1462	1.33	_____
UNALLOCATED LABOR	hour	18.68	0.4478	8.37	_____
DIESEL FUEL					
Tractors	gal	2.86	5.0106	14.31	_____
Harvesters	gal	2.86	1.7419	4.98	_____
Roll-Out Pipe Irr.	gal	2.86	10.5901	30.28	_____
REPAIR & MAINTENANCE					
Implements	acre	14.29	1.0000	14.29	_____
Tractors	acre	4.37	1.0000	4.37	_____
Harvesters	acre	6.16	1.0000	6.16	_____
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_____
INTEREST ON OP. CAP.	acre	33.77	1.0000	33.77	_____

TOTAL DIRECT EXPENSES				813.72	_____
FIXED EXPENSES					
Implements	acre	29.56	1.0000	29.56	_____
Tractors	acre	33.88	1.0000	33.88	_____
Harvesters	acre	29.49	1.0000	29.49	_____
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_____

TOTAL FIXED EXPENSES				167.40	_____

TOTAL SPECIFIED EXPENSES				981.12	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 26.B Summary of estimated costs and returns per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	4.49	235.0000	1055.15	_____

TOTAL INCOME				1055.15	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	17.60	1.0000	17.60	_____
FERTILIZERS	acre	307.32	1.0000	307.32	_____
FUNGICIDES	acre	20.14	1.0000	20.14	_____
HERBICIDES	acre	57.07	1.0000	57.07	_____
INSECTICIDES	acre	0.61	1.0000	0.61	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	122.74	1.0000	122.74	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
CUSTOM FERTILIZE	acre	22.60	1.0000	22.60	_____
HAULING	acre	72.85	1.0000	72.85	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	6.00	1.0000	6.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1462	1.33	_____
IRRIGATE LABOR	hour	9.06	0.3875	3.53	_____
OPERATOR LABOR	hour	18.69	0.5761	10.78	_____
UNALLOCATED LABOR	hour	18.68	0.4478	8.37	_____
DIESEL FUEL	gal	2.86	17.3427	49.57	_____
REPAIR & MAINTENANCE	acre	31.98	1.0000	31.98	_____
INTEREST ON OP. CAP.	acre	33.77	1.0000	33.77	_____

TOTAL DIRECT EXPENSES				813.72	_____
RETURNS ABOVE DIRECT EXPENSES				241.43	_____
TOTAL FIXED EXPENSES				167.40	_____

TOTAL SPECIFIED EXPENSES				981.12	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				74.03	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 26.C Estimated resource use for field operations, per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					1.9570				
Potash (60% K2O)	cwt					1.5000				
Bed/Disk w/roller	12R-30/40	MFWD 225	0.062	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Clarity	pt					0.5000				
Select Max	pt					1.0000				
Surfactant	pt					0.3000				
Plant & Pre-Folding	16R-30	MFWD 225	0.050	1.00	Mar		0.05	0.05	0.10	0.04
Corn Seed BtRR	thous					34.0000				
Fert 10-34-0	gal					4.0000				
Zinc Plus	pt					2.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	gal					32.1712				
Spray (Broadcast)	60'	MFWD 225	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Surfactant	pt					0.3000				
App by Air (3 gal)	appl			0.20	May	0.2000				
Bifenthrin	oz					1.2800				
Corn Consultant	acre			1.00	May	1.0000				
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN (32%)	gal					30.0000				
App Fert by Air	cwt			1.00	Jun	1.0000				
Urea, Solid (46% N)	cwt					1.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Trivapro	oz					13.7000				
Header - Corn	8R-30	265 hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Grain Cart Corn	700 bu	MFWD 225	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					235.0000				
Stalk Shredder Flex	20'	MFWD 225	0.082	1.00	Sep		0.08	0.08	0.08	0.07
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.46	
TOTALS							0.57	0.57	1.10	0.44

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 26.D Estimated costs for field operations, per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Spin Spreader	5 ton		1.39	0.77	1.88		0.33	4.37	4.19	8.56
Phosphorus(46% P2O5)	cwt	56.95					4.70	61.65		61.65
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed/Disk w/roller	12R-30/40		2.07	2.41	2.22		0.55	7.25	10.77	18.02
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Clarity	pt	7.50					0.41	7.91		7.91
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.99					0.05	1.04		1.04
Plant & Pre-Folding	16R-30		1.68	4.33	2.26		0.40	8.67	13.20	21.87
Corn Seed BtRR	thous	122.74					5.91	128.65		128.65
Fert 10-34-0	gal	15.40					0.74	16.14		16.14
Zinc Plus	pt	7.26					0.35	7.61		7.61
Custom Apply Fert	acre	9.00					0.37	9.37		9.37
UAN + Sulfur (28%)	gal	88.79					3.66	92.45		92.45
Spray (Broadcast)	60'		0.93	0.54	1.13		0.11	2.71	2.60	5.31
Atrazine 4L	pt	8.72					0.36	9.08		9.08
Halex GT	pt	22.00					0.91	22.91		22.91
Surfactant	pt	0.99					0.04	1.03		1.03
App by Air (3 gal)	appl	1.50					0.05	1.55		1.55
Bifenthrin	oz	0.61					0.02	0.63		0.63
Corn Consultant	acre	6.00					0.21	6.21		6.21
Fert Appl (Liquid)	12R-30		2.60	2.70	3.15		0.29	8.74	8.87	17.61
UAN (32%)	gal	72.30					2.49	74.79		74.79
App Fert by Air	cwt	13.60					0.37	13.97		13.97
Urea, Solid (46% N)	cwt	25.98					0.71	26.69		26.69
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Trivapro	oz	20.14					0.42	20.56		20.56
Header - Corn	8R-30		4.98	9.38	4.54		0.13	19.03	35.53	54.56
Grain Cart Corn	700 bu		0.84	0.62	0.90		0.02	2.38	2.80	5.18
Haul Corn	bu	72.85					0.50	73.35		73.35
Stalk Shredder Flex	20'		2.73	3.23	2.93		0.06	8.95	8.32	17.27
Roll-Out Pipe Irr.	acre	7.92	32.35	8.00	5.00		1.52	54.79	81.12	135.91
TOTALS		674.39	49.57	31.98	24.01	0.00	33.77	813.72	167.40	981.12

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 26.E Estimated monthly income and expense flows per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1055.15
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	1.50	0.00	8.05	0.00	0.00
FERTILIZERS	97.59	0.00	0.00	0.00	0.00	22.66	88.79	72.30	25.98	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.14	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	30.72	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	122.74	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.99	0.00	0.99	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	13.60	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.85
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.81	0.00	0.00	0.00	0.00	2.26	1.13	3.38	3.14	0.23	0.69	8.37
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.52	0.00	0.00	0.00	0.00	1.68	0.93	2.60	23.25	7.57	0.47	8.55
REPAIR & MAINTENANCE	3.60	0.00	0.00	0.00	0.00	4.33	0.54	2.70	6.33	1.05	0.20	13.23
INTEREST ON OP. CAP.	12.20	0.00	0.00	0.00	1.94	7.40	5.45	3.07	2.21	0.77	0.02	0.71
TOTAL DIRECT EXPENSES	160.28	0.00	0.00	0.00	37.33	161.07	137.55	92.16	82.43	37.81	1.38	103.71
NET INCOME	-160.28	0.00	0.00	0.00	-37.33	-161.07	-137.55	-92.16	-82.43	-37.81	-1.38	951.44
NET INCOME TO DATE	-160.28	-160.28	-160.28	-160.28	-197.61	-358.68	-496.23	-588.39	-670.82	-708.63	-710.01	241.43

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 26.F Estimated returns for various price/yield combinations, per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Corn			3.36	3.59	3.81	4.04	4.26	4.49	4.71	4.93	5.16	5.38	5.61
PERCENT	YIELD	UNIT	dollars										
50	117.50	bu	-381	-354	-328	-302	-275	-249	-223	-196	-170	-143	-117
			-548	-522	-496	-469	-443	-416	-390	-364	-337	-311	-284
60	141.00	bu	-309	-277	-246	-214	-182	-151	-119	-87	-56	-24	6
			-476	-445	-413	-381	-350	-318	-287	-255	-223	-192	-160
70	164.50	bu	-237	-200	-163	-126	-90	-53	-16	20	57	94	131
			-405	-368	-331	-294	-257	-220	-183	-146	-109	-72	-35
80	188.00	bu	-165	-123	-81	-39	2	45	87	129	171	213	256
			-333	-291	-248	-206	-164	-122	-80	-37	4	46	88
90	211.50	bu	-94	-46	0	48	95	143	190	238	285	333	380
			-261	-214	-166	-119	-71	-24	23	70	118	165	213
100	235.00	bu	-22	30	83	135	188	241	294	346	399	452	505
			-189	-137	-84	-31	21	74	126	179	232	285	337
110	258.50	bu	49	107	165	223	281	339	397	455	513	571	629
			-117	-59	-1	56	114	172	230	288	346	404	462
120	282.00	bu	121	184	247	311	374	437	501	564	627	691	754
			-46	17	80	143	207	270	333	397	460	523	586
130	305.50	bu	193	261	330	398	467	535	604	673	741	810	878
			25	94	162	231	299	368	437	505	574	642	711
140	329.00	bu	264	338	412	486	560	634	708	781	855	929	1003
			97	171	245	319	392	466	540	614	688	762	836
150	352.50	bu	336	415	494	574	653	732	811	890	969	1048	1128
			169	248	327	406	485	564	644	723	802	881	960

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 27.A Estimated costs per acre
Corn, stale seedbed, BtRR, 12row 38", 170 bu yield goal
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	1.0000	8.05	_____
App by Air (3 gal)	appl	7.50	0.2000	1.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	1.6300	47.43	_____
Potash (60% K2O)	cwt	27.09	1.2500	33.86	_____
Fert 10-34-0	gal	3.85	4.0000	15.40	_____
Zinc Plus	pt	3.63	2.0000	7.26	_____
UAN + Sulfur (28%)	gal	2.76	19.3063	53.29	_____
UAN (32%)	gal	2.41	36.7200	88.50	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Clarity	pt	15.00	0.5000	7.50	_____
Select Max	pt	15.01	1.0000	15.01	_____
Atrazine 4L	pt	2.18	4.0000	8.72	_____
Halex GT	pt	6.11	3.6000	22.00	_____
INSECTICIDES					
Bifenthrin	oz	0.48	1.2800	0.61	_____
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	28.0000	101.08	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Corn	bu	0.31	170.0000	52.70	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Corn Consultant	acre	6.00	1.0000	6.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3457	6.47	_____
Harvesters	hour	18.69	0.1009	1.89	_____
HAND LABOR					
Implements	hour	9.06	0.1354	1.22	_____
UNALLOCATED LABOR	hour	18.70	0.4020	7.52	_____
DIESEL FUEL					
Tractors	gal	2.86	4.0040	11.44	_____
Harvesters	gal	2.86	1.3770	3.94	_____
REPAIR & MAINTENANCE					
Implements	acre	10.67	1.0000	10.67	_____
Tractors	acre	3.54	1.0000	3.54	_____
Harvesters	acre	4.87	1.0000	4.87	_____
INTEREST ON OP. CAP.	acre	26.92	1.0000	26.92	_____

TOTAL DIRECT EXPENSES				599.77	_____
FIXED EXPENSES					
Implements	acre	20.79	1.0000	20.79	_____
Tractors	acre	27.33	1.0000	27.33	_____
Harvesters	acre	23.31	1.0000	23.31	_____

TOTAL FIXED EXPENSES				71.43	_____

TOTAL SPECIFIED EXPENSES				671.20	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 27.B Summary of estimated costs and returns per acre
Corn, stale seedbed, BtRR, 12row 38", 170 bu yield goal
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	4.49	170.0000	763.30	_____
TOTAL INCOME				763.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	9.55	1.0000	9.55	_____
FERTILIZERS	acre	245.74	1.0000	245.74	_____
HERBICIDES	acre	57.07	1.0000	57.07	_____
INSECTICIDES	acre	0.61	1.0000	0.61	_____
SEED/PLANTS	acre	101.08	1.0000	101.08	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	52.70	1.0000	52.70	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	6.00	1.0000	6.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1354	1.22	_____
OPERATOR LABOR	hour	18.69	0.4466	8.36	_____
UNALLOCATED LABOR	hour	18.70	0.4020	7.52	_____
DIESEL FUEL	gal	2.86	5.3810	15.38	_____
REPAIR & MAINTENANCE	acre	19.08	1.0000	19.08	_____
INTEREST ON OP. CAP.	acre	26.92	1.0000	26.92	_____
TOTAL DIRECT EXPENSES				599.77	_____
RETURNS ABOVE DIRECT EXPENSES				163.53	_____
TOTAL FIXED EXPENSES				71.43	_____
TOTAL SPECIFIED EXPENSES				671.20	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				92.10	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 27.C Estimated resource use for field operations, per acre
Corn, stale seedbed, BtRR, 12row 38", 170 bu yield goal
Non-irrigated, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					1.6300				
Potash (60% K2O)	cwt					1.2500				
Bed/Disk w/roller	12R-30/40	MFWD 225	0.062	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Clarity	pt					0.5000				
Select Max	pt					1.0000				
Surfactant	pt					0.3000				
Plant & Pre-Folding	12R-38	MFWD 225	0.053	1.00	Mar		0.05	0.05	0.10	0.04
Corn Seed BtRR	thous					28.0000				
Fert 10-34-0	gal					4.0000				
Zinc Plus	pt					2.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	gal					19.3063				
Spray (Broadcast)	60'	MFWD 225	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Surfactant	pt					0.3000				
App by Air (3 gal)	appl			0.20	May	0.2000				
Bifenthrin	oz					1.2800				
Corn Consultant	acre			1.00	May	1.0000				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	May		0.05	0.05	0.07	0.04
UAN (32%)	gal					36.7200				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 225	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					170.0000				
Stalk Shredder Flex	20'	MFWD 225	0.082	1.00	Sep		0.08	0.08	0.08	0.07
							-------	-------	-------	-------
TOTALS							0.44	0.44	0.58	0.40

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 27.D Estimated costs for field operations, per acre
Corn, stale seedbed, BtRR, 12row 38", 170 bu yield goal
Non-irrigated, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Spin Spreader	5 ton		1.39	0.77	1.88		0.33	4.37	4.19	8.56
Phosphorus(46% P2O5)	cwt	47.43					3.91	51.34		51.34
Potash (60% K2O)	cwt	33.86					2.79	36.65		36.65
Bed/Disk w/roller	12R-30/40		2.07	2.41	2.22		0.55	7.25	10.77	18.02
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Clarity	pt	7.50					0.41	7.91		7.91
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.99					0.05	1.04		1.04
Plant & Pre-Folding	12R-38		1.77	2.77	2.38		0.33	7.25	9.59	16.84
Corn Seed BtRR	thous	101.08					4.86	105.94		105.94
Fert 10-34-0	gal	15.40					0.74	16.14		16.14
Zinc Plus	pt	7.26					0.35	7.61		7.61
Custom Apply Fert	acre	9.00					0.37	9.37		9.37
UAN + Sulfur (28%)	gal	53.29					2.20	55.49		55.49
Spray (Broadcast)	60'		0.93	0.54	1.13		0.11	2.71	2.60	5.31
Atrazine 4L	pt	8.72					0.36	9.08		9.08
Halex GT	pt	22.00					0.91	22.91		22.91
Surfactant	pt	0.99					0.04	1.03		1.03
App by Air (3 gal)	appl	1.50					0.05	1.55		1.55
Bifenthrin	oz	0.61					0.02	0.63		0.63
Corn Consultant	acre	6.00					0.21	6.21		6.21
Fert Appl (Liquid)	12R-38		1.71	1.60	2.07		0.18	5.56	5.59	11.15
UAN (32%)	gal	88.50					3.04	91.54		91.54
Header - Corn	8R-38		3.94	7.14	3.59		0.10	14.77	27.57	42.34
Grain Cart Corn	700 bu		0.84	0.62	0.90		0.02	2.38	2.80	5.18
Haul Corn	bu	52.70					0.36	53.06		53.06
Stalk Shredder Flex	20'		2.73	3.23	2.93		0.06	8.95	8.32	17.27
TOTALS		521.29	15.38	19.08	17.10	0.00	26.92	599.77	71.43	671.20

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 27.E Estimated monthly income and expense flows per acre
Corn, stale seedbed, BtRR, 12row 38", 170 bu yield goal
Non-irrigated, Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	763.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	1.50	0.00	0.00	0.00	0.00
FERTILIZERS	81.29	0.00	0.00	0.00	0.00	22.66	53.29	88.50	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	30.72	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	101.08	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.99	0.00	0.99	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.10	0.00	0.00	0.00	0.00	2.38	1.13	2.07	0.00	0.00	0.00	7.42
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	1.77	0.93	1.71	0.00	0.00	0.00	7.51
REPAIR & MAINTENANCE	3.18	0.00	0.00	0.00	0.00	2.77	0.54	1.60	0.00	0.00	0.00	10.99
INTEREST ON OP. CAP.	10.67	0.00	0.00	0.00	1.94	6.28	3.99	3.50	0.00	0.00	0.00	0.54
TOTAL DIRECT EXPENSES	140.26	0.00	0.00	0.00	37.33	136.94	100.59	105.49	0.00	0.00	0.00	79.16
NET INCOME	-140.26	0.00	0.00	0.00	-37.33	-136.94	-100.59	-105.49	0.00	0.00	0.00	684.14
NET INCOME TO DATE	-140.26	-140.26	-140.26	-140.26	-177.59	-314.53	-415.12	-520.61	-520.61	-520.61	-520.61	163.53

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 27.F Estimated returns for various price/yield combinations, per acre
Corn, stale seedbed, BtRR, 12row 38", 170 bu yield goal
Non-irrigated, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Corn			3.36	3.59	3.81	4.04	4.26	4.49	4.71	4.93	5.16	5.38	5.61
PERCENT	YIELD	UNIT	dollars										
50	85.00	bu	-287	-267	-248	-229	-210	-191	-172	-153	-134	-115	-96
			-358	-339	-320	-301	-282	-263	-243	-224	-205	-186	-167
60	102.00	bu	-235	-212	-189	-166	-143	-120	-97	-74	-51	-28	-6
			-306	-283	-260	-237	-214	-191	-169	-146	-123	-100	-77
70	119.00	bu	-183	-156	-129	-102	-76	-49	-22	3	30	57	84
			-254	-227	-201	-174	-147	-120	-94	-67	-40	-14	12
80	136.00	bu	-131	-100	-70	-39	-9	21	52	82	113	143	174
			-202	-172	-141	-111	-80	-49	-19	11	41	72	102
90	153.00	bu	-79	-44	-10	23	58	92	126	161	195	229	264
			-150	-116	-81	-47	-13	21	55	89	124	158	192
100	170.00	bu	-27	10	49	87	125	163	201	239	278	316	354
			-98	-60	-22	15	53	92	130	168	206	244	282
110	187.00	bu	24	66	108	150	192	234	276	318	360	402	444
			-46	-4	37	79	121	163	205	247	289	331	373
120	204.00	bu	76	122	168	213	259	305	351	397	442	488	534
			5	50	96	142	188	234	279	325	371	417	463
130	221.00	bu	128	178	227	277	326	376	426	475	525	575	624
			57	106	156	205	255	305	354	404	454	503	553
140	238.00	bu	180	233	287	340	394	447	501	554	607	661	714
			109	162	215	269	322	376	429	483	536	589	643
150	255.00	bu	232	289	346	404	461	518	575	633	690	747	804
			160	218	275	332	389	447	504	561	618	676	733

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 28.A Estimated costs per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Pivot Irrigated, 7.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.0000	16.10	_____
App by Air (3 gal)	appl	7.50	0.2000	1.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	1.9570	56.95	_____
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
Fert 10-34-0	gal	3.85	4.0000	15.40	_____
Zinc Plus	pt	3.63	2.0000	7.26	_____
UAN + Sulfur (28%)	gal	2.76	32.1712	88.79	_____
UAN (32%)	gal	2.41	30.0000	72.30	_____
Urea, Solid (46% N)	cwt	25.98	1.0000	25.98	_____
FUNGICIDES					
Trivapro	oz	1.47	13.7000	20.14	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Clarity	pt	15.00	0.5000	7.50	_____
Select Max	pt	15.01	1.0000	15.01	_____
Atrazine 4L	pt	2.18	4.0000	8.72	_____
Halex GT	pt	6.11	3.6000	22.00	_____
INSECTICIDES					
Bifenthrin	oz	0.48	1.2800	0.61	_____
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	34.0000	122.74	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
App Fert by Air	cwt	13.60	1.0000	13.60	_____
HAULING					
Haul Corn	bu	0.31	235.0000	72.85	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Corn Consultant	acre	6.00	1.0000	6.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.3699	6.92	_____
Harvesters	hour	18.69	0.1277	2.39	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_____
HAND LABOR					
Implements	hour	9.06	0.1462	1.33	_____
UNALLOCATED LABOR	hour	18.68	0.4478	8.37	_____
DIESEL FUEL					
Tractors	gal	2.86	4.2843	12.24	_____
Harvesters	gal	2.86	1.7419	4.98	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	14.04	1.0000	14.04	_____
Tractors	acre	3.78	1.0000	3.78	_____
Harvesters	acre	6.16	1.0000	6.16	_____
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_____
INTEREST ON OP. CAP.	acre	33.92	1.0000	33.92	_____

TOTAL DIRECT EXPENSES				816.42	_____
FIXED EXPENSES					
Implements	acre	27.55	1.0000	27.55	_____
Tractors	acre	29.24	1.0000	29.24	_____
Harvesters	acre	29.49	1.0000	29.49	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____

TOTAL FIXED EXPENSES				185.78	_____

TOTAL SPECIFIED EXPENSES				1002.20	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 28.B Summary of estimated costs and returns per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Pivot Irrigated, 7.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	4.49	235.0000	1055.15	_____

TOTAL INCOME				1055.15	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	17.60	1.0000	17.60	_____
FERTILIZERS	acre	307.32	1.0000	307.32	_____
FUNGICIDES	acre	20.14	1.0000	20.14	_____
HERBICIDES	acre	57.07	1.0000	57.07	_____
INSECTICIDES	acre	0.61	1.0000	0.61	_____
SEED/PLANTS	acre	122.74	1.0000	122.74	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
CUSTOM FERTILIZE	acre	22.60	1.0000	22.60	_____
HAULING	acre	72.85	1.0000	72.85	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	6.00	1.0000	6.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1462	1.33	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.4976	9.31	_____
UNALLOCATED LABOR	hour	18.68	0.4478	8.37	_____
DIESEL FUEL	gal	2.86	17.2274	49.25	_____
REPAIR & MAINTENANCE	acre	45.93	1.0000	45.93	_____
INTEREST ON OP. CAP.	acre	33.92	1.0000	33.92	_____

TOTAL DIRECT EXPENSES				816.42	_____
RETURNS ABOVE DIRECT EXPENSES				238.73	_____
TOTAL FIXED EXPENSES				185.78	_____

TOTAL SPECIFIED EXPENSES				1002.20	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				52.95	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 28.C Estimated resource use for field operations, per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Pivot Irrigated, 7.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					1.9570				
Potash (60% K2O)	cwt					1.5000				
Bed/Disk w/roller	12R-30/40	MFWD 225	0.062	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Clarity	pt					0.5000				
Select Max	pt					1.0000				
Surfactant	pt					0.3000				
Plant & Pre-Folding	16R-30	MFWD 225	0.050	1.00	Mar		0.05	0.05	0.10	0.04
Corn Seed BtRR	thous					34.0000				
Fert 10-34-0	gal					4.0000				
Zinc Plus	pt					2.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	gal					32.1712				
Spray (Broadcast)	60'	MFWD 225	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Surfactant	pt					0.3000				
App by Air (3 gal)	appl			0.20	May	0.2000				
Bifenthrin	oz					1.2800				
Corn Consultant	acre			1.00	May	1.0000				
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN (32%)	gal					30.0000				
App Fert by Air	cwt			1.00	Jun	1.0000				
Urea, Solid (46% N)	cwt					1.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Trivapro	oz					13.7000				
Header - Corn	8R-30	265 hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Grain Cart Corn	700 bu	MFWD 225	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					235.0000				
Stalk Shredder Flex	20'	MFWD 225	0.082	1.00	Sep		0.08	0.08	0.08	0.07
1/4-mi. Pivot Irr.	acre				Jul	1.0000			0.20	
TOTALS							0.49	0.49	0.84	0.44

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 28.D Estimated costs for field operations, per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Pivot Irrigated, 7.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Spin Spreader	5 ton		1.39	0.77	1.88		0.33	4.37	4.19	8.56
Phosphorus(46% P2O5)	cwt	56.95					4.70	61.65		61.65
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed/Disk w/roller	12R-30/40		2.07	2.41	2.22		0.55	7.25	10.77	18.02
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Clarity	pt	7.50					0.41	7.91		7.91
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.99					0.05	1.04		1.04
Plant & Pre-Folding	16R-30		1.68	4.33	2.26		0.40	8.67	13.20	21.87
Corn Seed BtRR	thous	122.74					5.91	128.65		128.65
Fert 10-34-0	gal	15.40					0.74	16.14		16.14
Zinc Plus	pt	7.26					0.35	7.61		7.61
Custom Apply Fert	acre	9.00					0.37	9.37		9.37
UAN + Sulfur (28%)	gal	88.79					3.66	92.45		92.45
Spray (Broadcast)	60'		0.93	0.54	1.13		0.11	2.71	2.60	5.31
Atrazine 4L	pt	8.72					0.36	9.08		9.08
Halex GT	pt	22.00					0.91	22.91		22.91
Surfactant	pt	0.99					0.04	1.03		1.03
App by Air (3 gal)	appl	1.50					0.05	1.55		1.55
Bifenthrin	oz	0.61					0.02	0.63		0.63
Corn Consultant	acre	6.00					0.21	6.21		6.21
Fert Appl (Liquid)	12R-30		2.60	2.70	3.15		0.29	8.74	8.87	17.61
UAN (32%)	gal	72.30					2.49	74.79		74.79
App Fert by Air	cwt	13.60					0.37	13.97		13.97
Urea, Solid (46% N)	cwt	25.98					0.71	26.69		26.69
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Trivapro	oz	20.14					0.42	20.56		20.56
Header - Corn	8R-30		4.98	9.38	4.54		0.13	19.03	35.53	54.56
Grain Cart Corn	700 bu		0.84	0.62	0.90		0.02	2.38	2.80	5.18
Haul Corn	bu	72.85					0.50	73.35		73.35
Stalk Shredder Flex	20'		2.73	3.23	2.93		0.06	8.95	8.32	17.27
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		666.47	49.25	45.93	20.85	0.00	33.92	816.42	185.78	1002.20

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 28.E Estimated monthly income and expense flows per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Pivot Irrigated, 7.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1055.15
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	1.50	0.00	8.05	0.00	0.00
FERTILIZERS	97.59	0.00	0.00	0.00	0.00	22.66	88.79	72.30	25.98	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.14	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	30.72	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	122.74	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.99	0.00	0.99	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	13.60	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.85
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.10	0.00	0.00	0.00	0.00	2.26	2.47	3.30	0.20	0.15	0.00	8.37
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	1.68	0.93	12.21	12.81	9.61	0.00	8.55
REPAIR & MAINTENANCE	3.18	0.00	0.00	0.00	0.00	4.33	0.54	21.17	1.99	1.49	0.00	13.23
INTEREST ON OP. CAP.	12.02	0.00	0.00	0.00	1.94	7.40	5.50	4.03	1.50	0.82	0.00	0.71
TOTAL DIRECT EXPENSES	157.91	0.00	0.00	0.00	37.33	161.07	138.94	121.12	56.08	40.26	0.00	103.71
NET INCOME	-157.91	0.00	0.00	0.00	-37.33	-161.07	-138.94	-121.12	-56.08	-40.26	0.00	951.44
NET INCOME TO DATE	-157.91	-157.91	-157.91	-157.91	-195.24	-356.31	-495.25	-616.37	-672.45	-712.71	-712.71	238.73

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 28.F Estimated returns for various price/yield combinations, per acre
Corn, stale seedbed, BtRR, 16-row 30", 235 bu yield goal
Pivot Irrigated, 7.5 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Corn			3.36	3.59	3.81	4.04	4.26	4.49	4.71	4.93	5.16	5.38	5.61
PERCENT	YIELD	UNIT	dollars										
50	117.50	bu	-384	-357	-331	-304	-278	-252	-225	-199	-173	-146	-120
			-569	-543	-517	-490	-464	-437	-411	-385	-358	-332	-306
60	141.00	bu	-312	-280	-248	-217	-185	-153	-122	-90	-59	-27	4
			-498	-466	-434	-403	-371	-339	-308	-276	-244	-213	-181
70	164.50	bu	-240	-203	-166	-129	-92	-55	-18	18	54	91	128
			-426	-389	-352	-315	-278	-241	-204	-167	-130	-93	-56
80	188.00	bu	-168	-126	-84	-42	0	42	84	126	168	211	253
			-354	-312	-270	-227	-185	-143	-101	-58	-16	25	67
90	211.50	bu	-96	-49	-1	45	93	140	188	235	282	330	377
			-282	-235	-187	-140	-92	-45	2	49	97	144	192
100	235.00	bu	-25	27	80	133	185	238	291	344	397	449	502
			-210	-158	-105	-52	0	52	105	158	211	263	316
110	258.50	bu	46	104	162	220	278	336	394	452	511	569	627
			-139	-81	-22	35	93	151	209	267	325	383	441
120	282.00	bu	118	181	245	308	371	435	498	561	625	688	751
			-67	-3	59	122	186	249	312	375	439	502	565
130	305.50	bu	190	258	327	396	464	533	601	670	739	807	876
			4	73	141	210	278	347	416	484	553	621	690
140	329.00	bu	262	336	409	483	557	631	705	779	853	926	1000
			76	150	224	297	371	445	519	593	667	741	814
150	352.50	bu	333	413	492	571	650	729	808	887	967	1046	1125
			148	227	306	385	464	543	622	702	781	860	939

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 29.A Estimated costs per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area,
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.0000	16.10	_____
App by Air (3 gal)	appl	7.50	1.2000	9.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	1.9570	56.95	_____
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN + Sulfur (28%)	gal	2.76	32.1712	88.79	_____
UAN (32%)	gal	2.41	30.0000	72.30	_____
Urea, Solid (46% N)	cwt	25.98	1.0000	25.98	_____
FUNGICIDES					
Trivapro	oz	1.47	13.7000	20.14	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Clarity	pt	15.00	0.5000	7.50	_____
Select Max	pt	15.01	1.0000	15.01	_____
Atrazine 4L	pt	2.18	4.0000	8.72	_____
Halex GT	pt	6.11	3.6000	22.00	_____
INSECTICIDES					
Bifenthrin	oz	0.48	1.2800	0.61	_____
Intrepid 2F	oz	2.28	4.0000	9.12	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Corn Seed RR2	thous	4.55	34.0000	154.70	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
App Fert by Air	cwt	13.60	1.0000	13.60	_____
HAULING					
Haul Corn	bu	0.31	220.0000	68.20	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Corn Consultant	acre	6.00	1.0000	6.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.6423	12.01	_____
Harvesters	hour	18.69	0.1009	1.89	_____
Self-Propelled	hour	18.69	0.0176	0.33	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3250	2.96	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.1175	1.06	_____
Self-Propelled	hour	9.06	0.0088	0.08	_____
UNALLOCATED LABOR	hour	18.70	0.6141	11.49	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2557	20.73	_____
Harvesters	gal	2.86	1.3770	3.94	_____
Self-Propelled	gal	2.86	0.1586	0.45	_____
Roll-Out Pipe Irr.	gal	2.86	10.5901	30.28	_____
REPAIR & MAINTENANCE					
Implements	acre	13.87	1.0000	13.87	_____
Tractors	acre	6.35	1.0000	6.35	_____
Harvesters	acre	4.87	1.0000	4.87	_____
Self-Propelled	acre	0.20	1.0000	0.20	_____
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_____
INTEREST ON OP. CAP.	acre	35.87	1.0000	35.87	_____

TOTAL DIRECT EXPENSES				849.77	_____
FIXED EXPENSES					
Implements	acre	32.10	1.0000	32.10	_____
Tractors	acre	49.21	1.0000	49.21	_____
Harvesters	acre	23.31	1.0000	23.31	_____
Self-Propelled	acre	1.63	1.0000	1.63	_____
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_____

TOTAL FIXED EXPENSES				180.72	_____

TOTAL SPECIFIED EXPENSES				1030.49	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 29.B Summary of estimated costs and returns per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area,
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	4.49	220.0000	987.80	_____

TOTAL INCOME				987.80	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	25.10	1.0000	25.10	_____
FERTILIZERS	acre	284.66	1.0000	284.66	_____
FUNGICIDES	acre	20.14	1.0000	20.14	_____
HERBICIDES	acre	57.07	1.0000	57.07	_____
INSECTICIDES	acre	9.73	1.0000	9.73	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	154.70	1.0000	154.70	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
CUSTOM FERTILIZE	acre	22.60	1.0000	22.60	_____
HAULING	acre	68.20	1.0000	68.20	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	6.00	1.0000	6.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1263	1.14	_____
IRRIGATE LABOR	hour	9.06	0.3875	3.53	_____
OPERATOR LABOR	hour	18.69	0.7609	14.23	_____
UNALLOCATED LABOR	hour	18.70	0.6141	11.49	_____
DIESEL FUEL	gal	2.86	19.3816	55.40	_____
REPAIR & MAINTENANCE	acre	32.45	1.0000	32.45	_____
INTEREST ON OP. CAP.	acre	35.87	1.0000	35.87	_____

TOTAL DIRECT EXPENSES				849.77	_____
RETURNS ABOVE DIRECT EXPENSES				138.03	_____
TOTAL FIXED EXPENSES				180.72	_____

TOTAL SPECIFIED EXPENSES				1030.49	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-42.69	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 29.C Estimated resource use for field operations, per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Subsoiler	3 shank	MFWD 225	0.204	0.50	Oct		0.10	0.10	0.10	0.09
Disk Harrow	42'	MFWD 225	0.046	1.00	Oct		0.04	0.04	0.04	0.04
Soil Test	acre			0.33	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					1.9570				
Potash (60% K2O)	cwt					1.5000				
Bed/Disk w/roller	12R-30/40	MFWD 225	0.062	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Clarity	pt					0.5000				
Select Max	pt					1.0000				
Surfactant	pt					0.3000				
Row Cond./Roll-Fold.	40'	MFWD 225	0.046	1.00	Mar		0.04	0.04	0.04	0.04
Plant - Folding	12R-38	MFWD 225	0.049	1.00	Mar		0.04	0.04	0.09	0.04
Corn Seed RR2	thous					34.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	gal					32.1712				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Apr			0.01	0.02	0.01
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Surfactant	pt					0.3000				
Corn Consultant	acre			1.00	May	1.0000				
App by Air (3 gal)	appl			0.20	May	0.2000				
Bifenthrin	oz					1.2800				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	May		0.05	0.05	0.07	0.04
UAN (32%)	gal					30.0000				
Cultivate	12R-38	MFWD 225	0.054	1.00	May		0.05	0.05	0.05	0.04
App Fert by Air	cwt			1.00	Jun	1.0000				
Urea, Solid (46% N)	cwt					1.0000				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Trivapro	oz					13.7000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 225	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					220.0000				
Stalk Shredder Flex	20'	MFWD 225	0.082	1.00	Sep		0.08	0.08	0.08	0.07
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.46	
TOTALS							0.76	0.74	1.27	0.61

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 29.D Estimated costs for field operations, per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Subsoiler	3 shank		3.38	1.25	3.63		0.68	8.94	8.76	17.70
Disk Harrow	42'		1.55	2.29	1.66		0.45	5.95	8.47	14.42
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Spin Spreader	5 ton		1.39	0.77	1.88		0.33	4.37	4.19	8.56
Phosphorus(46% P2O5)	cwt	56.95					4.70	61.65		61.65
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed/Disk w/roller	12R-30/40		2.07	2.41	2.22		0.55	7.25	10.77	18.02
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Clarity	pt	7.50					0.41	7.91		7.91
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.99					0.05	1.04		1.04
Row Cond./Roll-Fold.	40'		1.55	1.15	1.67		0.21	4.58	5.92	10.50
Plant - Folding	12R-38		1.64	2.37	2.21		0.30	6.52	8.41	14.93
Corn Seed RR2	thous	154.70					7.44	162.14		162.14
Custom Apply Fert	acre	9.00					0.37	9.37		9.37
UAN + Sulfur (28%)	gal	88.79					3.66	92.45		92.45
Sprayer 600-750gal	60' 175hp		0.45	0.20	0.71		0.06	1.42	1.63	3.05
Atrazine 4L	pt	8.72					0.36	9.08		9.08
Halex GT	pt	22.00					0.91	22.91		22.91
Surfactant	pt	0.99					0.04	1.03		1.03
Corn Consultant	acre	6.00					0.21	6.21		6.21
App by Air (3 gal)	appl	1.50					0.05	1.55		1.55
Bifenthrin	oz	0.61					0.02	0.63		0.63
Fert Appl (Liquid)	12R-38		1.71	1.60	2.07		0.18	5.56	5.59	11.15
UAN (32%)	gal	72.30					2.49	74.79		74.79
Cultivate	12R-38		1.80	1.42	1.92		0.18	5.32	7.17	12.49
App Fert by Air	cwt	13.60					0.37	13.97		13.97
Urea, Solid (46% N)	cwt	25.98					0.71	26.69		26.69
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Intrepid 2F	oz	9.12					0.25	9.37		9.37
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Trivapro	oz	20.14					0.42	20.56		20.56
Header - Corn	8R-38		3.94	7.14	3.59		0.10	14.77	27.57	42.34
Grain Cart Corn	700 bu		0.84	0.62	0.90		0.02	2.38	2.80	5.18
Haul Corn	bu	68.20					0.47	68.67		68.67
Stalk Shredder Flex	20'		2.73	3.23	2.93		0.06	8.95	8.32	17.27
Roll-Out Pipe Irr.	acre	7.92	32.35	8.00	5.00		1.52	54.79	81.12	135.91
TOTALS		695.66	55.40	32.45	30.39	0.00	35.87	849.77	180.72	1030.49

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 29.E Estimated monthly income and expense flows per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	987.80
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	1.50	7.50	8.05	0.00	0.00
FERTILIZERS	97.59	0.00	0.00	0.00	0.00	0.00	88.79	72.30	25.98	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.14	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	30.72	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	9.12	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	154.70	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.99	0.00	0.99	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	13.60	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.20
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	10.10	0.00	0.00	0.00	0.00	3.88	0.71	4.22	3.14	0.23	0.69	7.42
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	9.45	0.00	0.00	0.00	0.00	3.19	0.45	3.51	23.25	7.57	0.47	7.51
REPAIR & MAINTENANCE	7.14	0.00	0.00	0.00	0.00	3.52	0.20	3.02	6.33	1.05	0.20	10.99
INTEREST ON OP. CAP.	13.33	0.00	0.00	0.00	1.94	7.95	5.40	3.14	2.67	0.77	0.02	0.65
TOTAL DIRECT EXPENSES	175.17	0.00	0.00	0.00	37.33	173.24	136.26	94.30	99.51	37.81	1.38	94.77
NET INCOME	-175.17	0.00	0.00	0.00	-37.33	-173.24	-136.26	-94.30	-99.51	-37.81	-1.38	893.03
NET INCOME TO DATE	-175.17	-175.17	-175.17	-175.17	-212.50	-385.74	-522.00	-616.30	-715.81	-753.62	-755.00	138.03

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 29.F Estimated returns for various price/yield combinations, per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Corn			3.36	3.59	3.81	4.04	4.26	4.49	4.71	4.93	5.16	5.38	5.61
PERCENT	YIELD	UNIT	dollars										
50	110.00	bu	-445	-420	-395	-370	-346	-321	-296	-272	-247	-222	-198
			-625	-601	-576	-551	-526	-502	-477	-452	-428	-403	-378
60	132.00	bu	-377	-348	-318	-288	-259	-229	-199	-170	-140	-111	-81
			-558	-528	-499	-469	-439	-410	-380	-351	-321	-291	-262
70	154.00	bu	-310	-276	-241	-206	-172	-137	-103	-68	-33	0	35
			-491	-456	-422	-387	-353	-318	-283	-249	-214	-180	-145
80	176.00	bu	-243	-203	-164	-124	-85	-45	-6	33	72	112	151
			-424	-384	-345	-305	-266	-226	-187	-147	-107	-68	-28
90	198.00	bu	-176	-131	-87	-42	1	46	90	135	179	223	268
			-356	-312	-267	-223	-179	-134	-90	-45	-1	43	87
100	220.00	bu	-108	-59	-10	39	88	138	187	236	286	335	384
			-289	-240	-190	-141	-92	-42	6	56	105	154	204
110	242.00	bu	-41	12	66	121	175	229	284	338	392	447	501
			-222	-168	-113	-59	-5	49	103	157	212	266	320
120	264.00	bu	25	84	144	203	262	321	381	440	499	558	618
			-155	-95	-36	22	81	141	200	259	318	378	437
130	286.00	bu	92	156	221	285	349	413	477	542	606	670	734
			-87	-23	40	104	168	233	297	361	425	489	554
140	308.00	bu	159	229	298	367	436	505	574	643	713	782	851
			-20	48	117	186	255	324	394	463	532	601	670
150	330.00	bu	227	301	375	449	523	597	671	745	819	893	968
			46	120	194	268	342	416	490	565	639	713	787

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 30.A Estimated costs per acre
Corn, conventional tillage, RR2, 12-row 38"
170 bu yield goal, non-irrigated, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	1.0000	8.05	_____
App by Air (3 gal)	appl	7.50	1.2000	9.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	1.6300	47.43	_____
Potash (60% K2O)	cwt	27.09	1.2500	33.86	_____
UAN + Sulfur (28%)	gal	2.76	19.3063	53.29	_____
UAN (32%)	gal	2.41	36.7200	88.50	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Clarity	pt	15.00	0.5000	7.50	_____
Select Max	pt	15.01	1.0000	15.01	_____
Atrazine 4L	pt	2.18	4.0000	8.72	_____
Halex GT	pt	6.11	3.6000	22.00	_____
INSECTICIDES					
Bifenthrin	oz	0.48	1.2804	0.61	_____
Intrepid 2F	oz	2.28	4.0000	9.12	_____
SEED/PLANTS					
Corn Seed RR2	thous	4.55	28.0000	127.40	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Corn	bu	0.31	170.0000	52.70	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Corn Consultant	acre	6.00	1.0000	6.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4903	9.16	_____
Harvesters	hour	18.69	0.1009	1.89	_____
Self-Propelled	hour	18.69	0.0176	0.33	_____
HAND LABOR					
Implements	hour	9.06	0.1175	1.06	_____
Self-Propelled	hour	9.06	0.0088	0.08	_____
UNALLOCATED LABOR	hour	18.72	0.5480	10.26	_____
DIESEL FUEL					
Tractors	gal	2.86	5.6788	16.22	_____
Harvesters	gal	2.86	1.3770	3.94	_____
Self-Propelled	gal	2.86	0.1586	0.45	_____
REPAIR & MAINTENANCE					
Implements	acre	12.13	1.0000	12.13	_____
Tractors	acre	5.01	1.0000	5.01	_____
Harvesters	acre	4.87	1.0000	4.87	_____
Self-Propelled	acre	0.20	1.0000	0.20	_____
INTEREST ON OP. CAP.	acre	28.67	1.0000	28.67	_____

TOTAL DIRECT EXPENSES				635.84	_____
FIXED EXPENSES					
Implements	acre	25.99	1.0000	25.99	_____
Tractors	acre	38.76	1.0000	38.76	_____
Harvesters	acre	23.31	1.0000	23.31	_____
Self-Propelled	acre	1.63	1.0000	1.63	_____

TOTAL FIXED EXPENSES				89.69	_____

TOTAL SPECIFIED EXPENSES				725.53	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 30.B Summary of estimated costs and returns per acre
Corn, conventional tillage, RR2, 12-row 38"
170 bu yield goal, non-irrigated, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	4.49	170.0000	763.30	_____
TOTAL INCOME				763.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	17.05	1.0000	17.05	_____
FERTILIZERS	acre	223.08	1.0000	223.08	_____
HERBICIDES	acre	57.07	1.0000	57.07	_____
INSECTICIDES	acre	9.73	1.0000	9.73	_____
SEED/PLANTS	acre	127.40	1.0000	127.40	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	52.70	1.0000	52.70	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	6.00	1.0000	6.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1263	1.14	_____
OPERATOR LABOR	hour	18.69	0.6089	11.38	_____
UNALLOCATED LABOR	hour	18.72	0.5480	10.26	_____
DIESEL FUEL	gal	2.86	7.2145	20.61	_____
REPAIR & MAINTENANCE	acre	22.21	1.0000	22.21	_____
INTEREST ON OP. CAP.	acre	28.67	1.0000	28.67	_____
TOTAL DIRECT EXPENSES				635.84	_____
RETURNS ABOVE DIRECT EXPENSES				127.46	_____
TOTAL FIXED EXPENSES				89.69	_____
TOTAL SPECIFIED EXPENSES				725.53	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				37.77	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 30.C Estimated resource use for field operations, per acre
Corn, conventional tillage, RR2, 12-row 38"
170 bu yield goal, non-irrigated, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Subsoiler	3 shank	MFWD 225	0.204	0.50	Oct		0.10	0.10	0.10	0.09
Disk Harrow	42'	MFWD 225	0.046	1.00	Oct		0.04	0.04	0.04	0.04
Soil Test	acre			0.33	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					1.6300				
Potash (60% K2O)	cwt					1.2500				
Bed/Disk (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Clarity	pt					0.5000				
Select Max	pt					1.0000				
Surfactant	pt					0.3000				
Row Cond Folding	38'	MFWD 225	0.040	1.00	Mar		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 225	0.049	1.00	Mar		0.04	0.04	0.09	0.04
Corn Seed RR2	thous					28.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	gal					19.3063				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Apr			0.01	0.02	0.01
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Surfactant	pt					0.3000				
Corn Consultant	acre			1.00	May	1.0000				
App by Air (3 gal)	appl			0.20	May	0.2000				
Bifenthrin	oz					1.2804				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	May		0.05	0.05	0.07	0.04
UAN (32%)	gal					36.7200				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 225	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					170.0000				
Stalk Shredder Flex	20'	MFWD 225	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.60	0.59	0.73	0.54

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 30.D Estimated costs for field operations, per acre
Corn, conventional tillage, RR2, 12-row 38"
170 bu yield goal, non-irrigated, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Subsoiler	3 shank		3.38	1.25	3.63		0.68	8.94	8.76	17.70
Disk Harrow	42'		1.55	2.29	1.66		0.45	5.95	8.47	14.42
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Spin Spreader	5 ton		1.39	0.77	1.88		0.33	4.37	4.19	8.56
Phosphorus(46% P2O5)	cwt	47.43					3.91	51.34		51.34
Potash (60% K2O)	cwt	33.86					2.79	36.65		36.65
Bed/Disk (Hipper)	12R-38		1.63	1.91	1.75		0.44	5.73	8.55	14.28
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Clarity	pt	7.50					0.41	7.91		7.91
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.99					0.05	1.04		1.04
Row Cond Folding	38'		1.35	0.83	1.45		0.17	3.80	5.40	9.20
Plant - Folding	12R-38		1.64	2.37	2.21		0.30	6.52	8.41	14.93
Corn Seed RR2	thous	127.40					6.13	133.53		133.53
Custom Apply Fert	acre	9.00					0.37	9.37		9.37
UAN + Sulfur (28%)	gal	53.29					2.20	55.49		55.49
Sprayer 600-750gal	60' 175hp		0.45	0.20	0.71		0.06	1.42	1.63	3.05
Atrazine 4L	pt	8.72					0.36	9.08		9.08
Halex GT	pt	22.00					0.91	22.91		22.91
Surfactant	pt	0.99					0.04	1.03		1.03
Corn Consultant	acre	6.00					0.21	6.21		6.21
App by Air (3 gal)	appl	1.50					0.05	1.55		1.55
Bifenthrin	oz	0.61					0.02	0.63		0.63
Fert Appl (Liquid)	12R-38		1.71	1.60	2.07		0.18	5.56	5.59	11.15
UAN (32%)	gal	88.50					3.04	91.54		91.54
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Intrepid 2F	oz	9.12					0.25	9.37		9.37
Header - Corn	8R-38		3.94	7.14	3.59		0.10	14.77	27.57	42.34
Grain Cart Corn	700 bu		0.84	0.62	0.90		0.02	2.38	2.80	5.18
Haul Corn	bu	52.70					0.36	53.06		53.06
Stalk Shredder Flex	20'		2.73	3.23	2.93		0.06	8.95	8.32	17.27
TOTALS		541.57	20.61	22.21	22.78	0.00	28.67	635.84	89.69	725.53

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 30.E Estimated monthly income and expense flows per acre
Corn, conventional tillage, RR2, 12-row 38"
170 bu yield goal, non-irrigated, Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	763.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	1.50	7.50	0.00	0.00	0.00
FERTILIZERS	81.29	0.00	0.00	0.00	0.00	0.00	53.29	88.50	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	30.72	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	9.12	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	127.40	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.99	0.00	0.99	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	8.92	0.00	0.00	0.00	0.00	3.66	0.71	2.07	0.00	0.00	0.00	7.42
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	7.95	0.00	0.00	0.00	0.00	2.99	0.45	1.71	0.00	0.00	0.00	7.51
REPAIR & MAINTENANCE	6.22	0.00	0.00	0.00	0.00	3.20	0.20	1.60	0.00	0.00	0.00	10.99
INTEREST ON OP. CAP.	11.69	0.00	0.00	0.00	1.94	6.60	3.94	3.50	0.46	0.00	0.00	0.54
TOTAL DIRECT EXPENSES	153.63	0.00	0.00	0.00	37.33	143.85	99.30	105.49	17.08	0.00	0.00	79.16
NET INCOME	-153.63	0.00	0.00	0.00	-37.33	-143.85	-99.30	-105.49	-17.08	0.00	0.00	684.14
NET INCOME TO DATE	-153.63	-153.63	-153.63	-153.63	-190.96	-334.81	-434.11	-539.60	-556.68	-556.68	-556.68	127.46

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 30.F Estimated returns for various price/yield combinations, per acre
Corn, conventional tillage, RR2, 12-row 38"
170 bu yield goal, non-irrigated, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Corn			3.36	3.59	3.81	4.04	4.26	4.49	4.71	4.93	5.16	5.38	5.61
PERCENT	YIELD	UNIT	dollars										
50	85.00	bu	-323	-303	-284	-265	-246	-227	-208	-189	-170	-151	-132
			-412	-393	-374	-355	-336	-317	-298	-279	-260	-241	-221
60	102.00	bu	-271	-248	-225	-202	-179	-156	-133	-110	-87	-65	-42
			-360	-337	-315	-292	-269	-246	-223	-200	-177	-154	-131
70	119.00	bu	-219	-192	-165	-139	-112	-85	-58	-32	-5	21	47
			-308	-282	-255	-228	-202	-175	-148	-121	-95	-68	-41
80	136.00	bu	-167	-136	-106	-75	-45	-14	15	46	77	107	138
			-256	-226	-195	-165	-134	-104	-73	-43	-12	17	48
90	153.00	bu	-115	-80	-46	-12	22	56	90	125	159	193	228
			-204	-170	-136	-101	-67	-33	1	35	69	104	138
100	170.00	bu	-63	-25	12	51	89	127	165	203	241	280	318
			-153	-114	-76	-38	-0	37	75	114	152	190	228
110	187.00	bu	-11	30	72	114	156	198	240	282	324	366	408
			-101	-59	-17	24	66	108	150	192	234	276	318
120	204.00	bu	40	86	132	177	223	269	315	361	406	452	498
			-49	-3	42	88	134	179	225	271	317	363	408
130	221.00	bu	92	142	191	241	290	340	390	439	489	538	588
			2	52	101	151	201	250	300	350	399	449	498
140	238.00	bu	144	197	251	304	358	411	464	518	571	625	678
			54	108	161	215	268	321	375	428	482	535	589
150	255.00	bu	196	253	310	368	425	482	539	597	654	711	768
			106	163	221	278	335	392	450	507	564	621	679

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 31.A Estimated costs per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, pivot irrigated, 7.5 ac-in.,Delta Area,
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.0000	16.10	_____
App by Air (3 gal)	appl	7.50	1.2000	9.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	29.10	1.9570	56.95	_____
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN + Sulfur (28%)	gal	2.76	32.1712	88.79	_____
UAN (32%)	gal	2.41	30.0000	72.30	_____
Urea, Solid (46% N)	cwt	25.98	1.0000	25.98	_____
FUNGICIDES					
Trivapro	oz	1.47	13.7000	20.14	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
Clarity	pt	15.00	0.5000	7.50	_____
Select Max	pt	15.01	1.0000	15.01	_____
Atrazine 4L	pt	2.18	4.0000	8.72	_____
Halex GT	pt	6.11	3.6000	22.00	_____
INSECTICIDES					
Bifenthrin	oz	0.48	1.2800	0.61	_____
Intrepid 2F	oz	2.28	4.0000	9.12	_____
SEED/PLANTS					
Corn Seed RR2	thous	4.55	34.0000	154.70	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
App Fert by Air	cwt	13.60	1.0000	13.60	_____
HAULING					
Haul Corn	bu	0.31	220.0000	68.20	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Corn Consultant	acre	6.00	1.0000	6.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5637	10.54	_____
Harvesters	hour	18.69	0.1009	1.89	_____
Self-Propelled	hour	18.69	0.0176	0.33	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_____
HAND LABOR					
Implements	hour	9.06	0.1175	1.06	_____
Self-Propelled	hour	9.06	0.0088	0.08	_____
UNALLOCATED LABOR	hour	18.70	0.6141	11.49	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.66	_____
Harvesters	gal	2.86	1.3770	3.94	_____
Self-Propelled	gal	2.86	0.1586	0.45	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	13.62	1.0000	13.62	_____
Tractors	acre	5.76	1.0000	5.76	_____
Harvesters	acre	4.87	1.0000	4.87	_____
Self-Propelled	acre	0.20	1.0000	0.20	_____
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_____
INTEREST ON OP. CAP.	acre	36.02	1.0000	36.02	_____

TOTAL DIRECT EXPENSES				852.47	_____
FIXED EXPENSES					
Implements	acre	30.09	1.0000	30.09	_____
Tractors	acre	44.57	1.0000	44.57	_____
Harvesters	acre	23.31	1.0000	23.31	_____
Self-Propelled	acre	1.63	1.0000	1.63	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____

TOTAL FIXED EXPENSES				199.10	_____

TOTAL SPECIFIED EXPENSES				1051.57	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 31.B Summary of estimated costs and returns per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, pivot irrigated, 7.5 ac-in.,Delta Area,
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	4.49	220.0000	987.80	_____

TOTAL INCOME				987.80	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	25.10	1.0000	25.10	_____
FERTILIZERS	acre	284.66	1.0000	284.66	_____
FUNGICIDES	acre	20.14	1.0000	20.14	_____
HERBICIDES	acre	57.07	1.0000	57.07	_____
INSECTICIDES	acre	9.73	1.0000	9.73	_____
SEED/PLANTS	acre	154.70	1.0000	154.70	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
CUSTOM FERTILIZE	acre	22.60	1.0000	22.60	_____
HAULING	acre	68.20	1.0000	68.20	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	6.00	1.0000	6.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1263	1.14	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.6823	12.76	_____
UNALLOCATED LABOR	hour	18.70	0.6141	11.49	_____
DIESEL FUEL	gal	2.86	19.2663	55.08	_____
REPAIR & MAINTENANCE	acre	46.40	1.0000	46.40	_____
INTEREST ON OP. CAP.	acre	36.02	1.0000	36.02	_____

TOTAL DIRECT EXPENSES				852.47	_____
RETURNS ABOVE DIRECT EXPENSES				135.33	_____
TOTAL FIXED EXPENSES				199.10	_____

TOTAL SPECIFIED EXPENSES				1051.57	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-63.77	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 31.C Estimated resource use for field operations, per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, pivot irrigated, 7.5 ac-in.,Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Subsoiler	3 shank	MFWD 225	0.204	0.50	Oct		0.10	0.10	0.10	0.09
Disk Harrow	42'	MFWD 225	0.046	1.00	Oct		0.04	0.04	0.04	0.04
Soil Test	acre			0.33	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					1.9570				
Potash (60% K2O)	cwt					1.5000				
Bed/Disk w/roller	12R-30/40	MFWD 225	0.062	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Clarity	pt					0.5000				
Select Max	pt					1.0000				
Surfactant	pt					0.3000				
Row Cond./Roll-Fold.	40'	MFWD 225	0.046	1.00	Mar		0.04	0.04	0.04	0.04
Plant - Folding	12R-38	MFWD 225	0.049	1.00	Mar		0.04	0.04	0.09	0.04
Corn Seed RR2	thous					34.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	gal					32.1712				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Apr			0.01	0.02	0.01
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Surfactant	pt					0.3000				
Corn Consultant	acre			1.00	May	1.0000				
App by Air (3 gal)	appl			0.20	May	0.2000				
Bifenthrin	oz					1.2800				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	May		0.05	0.05	0.07	0.04
UAN (32%)	gal					30.0000				
Cultivate	12R-38	MFWD 225	0.054	1.00	May		0.05	0.05	0.05	0.04
App Fert by Air	cwt			1.00	Jun	1.0000				
Urea, Solid (46% N)	cwt					1.0000				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Trivapro	oz					13.7000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 225	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					220.0000				
Stalk Shredder Flex	20'	MFWD 225	0.082	1.00	Sep		0.08	0.08	0.08	0.07
1/4-mi. Pivot Irr.	acre				Jul	1.0000			0.20	
TOTALS							0.68	0.66	1.01	0.61

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 31.D Estimated costs for field operations, per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, pivot irrigated, 7.5 ac-in.,Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Subsoiler	3 shank		3.38	1.25	3.63		0.68	8.94	8.76	17.70
Disk Harrow	42'		1.55	2.29	1.66		0.45	5.95	8.47	14.42
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Spin Spreader	5 ton		1.39	0.77	1.88		0.33	4.37	4.19	8.56
Phosphorus(46% P2O5)	cwt	56.95					4.70	61.65		61.65
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed/Disk w/roller	12R-30/40		2.07	2.41	2.22		0.55	7.25	10.77	18.02
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Clarity	pt	7.50					0.41	7.91		7.91
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.99					0.05	1.04		1.04
Row Cond./Roll-Fold.	40'		1.55	1.15	1.67		0.21	4.58	5.92	10.50
Plant - Folding	12R-38		1.64	2.37	2.21		0.30	6.52	8.41	14.93
Corn Seed RR2	thous	154.70					7.44	162.14		162.14
Custom Apply Fert	acre	9.00					0.37	9.37		9.37
UAN + Sulfur (28%)	gal	88.79					3.66	92.45		92.45
Sprayer 600-750gal	60' 175hp		0.45	0.20	0.71		0.06	1.42	1.63	3.05
Atrazine 4L	pt	8.72					0.36	9.08		9.08
Halex GT	pt	22.00					0.91	22.91		22.91
Surfactant	pt	0.99					0.04	1.03		1.03
Corn Consultant	acre	6.00					0.21	6.21		6.21
App by Air (3 gal)	appl	1.50					0.05	1.55		1.55
Bifenthrin	oz	0.61					0.02	0.63		0.63
Fert Appl (Liquid)	12R-38		1.71	1.60	2.07		0.18	5.56	5.59	11.15
UAN (32%)	gal	72.30					2.49	74.79		74.79
Cultivate	12R-38		1.80	1.42	1.92		0.18	5.32	7.17	12.49
App Fert by Air	cwt	13.60					0.37	13.97		13.97
Urea, Solid (46% N)	cwt	25.98					0.71	26.69		26.69
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Intrepid 2F	oz	9.12					0.25	9.37		9.37
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Trivapro	oz	20.14					0.42	20.56		20.56
Header - Corn	8R-38		3.94	7.14	3.59		0.10	14.77	27.57	42.34
Grain Cart Corn	700 bu		0.84	0.62	0.90		0.02	2.38	2.80	5.18
Haul Corn	bu	68.20					0.47	68.67		68.67
Stalk Shredder Flex	20'		2.73	3.23	2.93		0.06	8.95	8.32	17.27
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		687.74	55.08	46.40	27.23	0.00	36.02	852.47	199.10	1051.57

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 31.E Estimated monthly income and expense flows per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, pivot irrigated, 7.5 ac-in.,Delta Area, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	987.80
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	1.50	7.50	8.05	0.00	0.00
FERTILIZERS	97.59	0.00	0.00	0.00	0.00	0.00	88.79	72.30	25.98	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.14	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	30.72	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	9.12	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	154.70	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.99	0.00	0.99	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	13.60	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.20
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	9.39	0.00	0.00	0.00	0.00	3.88	2.05	4.14	0.20	0.15	0.00	7.42
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	8.39	0.00	0.00	0.00	0.00	3.19	0.45	13.12	12.81	9.61	0.00	7.51
REPAIR & MAINTENANCE	6.72	0.00	0.00	0.00	0.00	3.52	0.20	21.49	1.99	1.49	0.00	10.99
INTEREST ON OP. CAP.	13.15	0.00	0.00	0.00	1.94	7.95	5.45	4.10	1.96	0.82	0.00	0.65
TOTAL DIRECT EXPENSES	172.80	0.00	0.00	0.00	37.33	173.24	137.65	123.26	73.16	40.26	0.00	94.77
NET INCOME	-172.80	0.00	0.00	0.00	-37.33	-173.24	-137.65	-123.26	-73.16	-40.26	0.00	893.03
NET INCOME TO DATE	-172.80	-172.80	-172.80	-172.80	-210.13	-383.37	-521.02	-644.28	-717.44	-757.70	-757.70	135.33

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 31.F Estimated returns for various price/yield combinations, per acre
Corn, conventional tillage, RR2, 12-row 38",
220 bu yld goal, pivot irrigated, 7.5 ac-in.,Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Corn			3.36	3.59	3.81	4.04	4.26	4.49	4.71	4.93	5.16	5.38	5.61
PERCENT	YIELD	UNIT	dollars										
50	110.00	bu	-447	-423	-398	-373	-348	-324	-299	-274	-250	-225	-200
			-646	-622	-597	-572	-548	-523	-498	-473	-449	-424	-399
60	132.00	bu	-380	-350	-321	-291	-261	-232	-202	-173	-143	-113	-84
			-579	-549	-520	-490	-461	-431	-401	-372	-342	-312	-283
70	154.00	bu	-313	-278	-244	-209	-174	-140	-105	-71	-36	-2	32
			-512	-477	-443	-408	-374	-339	-304	-270	-235	-201	-166
80	176.00	bu	-246	-206	-167	-127	-88	-48	-8	30	70	109	149
			-445	-405	-366	-326	-287	-247	-208	-168	-129	-89	-50
90	198.00	bu	-178	-134	-89	-45	-1	43	87	132	176	221	265
			-377	-333	-289	-244	-200	-155	-111	-66	-22	22	66
100	220.00	bu	-111	-62	-12	36	85	135	184	234	283	332	382
			-310	-261	-211	-162	-113	-63	-14	35	84	133	183
110	242.00	bu	-44	9	64	118	172	227	281	335	390	444	498
			-243	-189	-134	-80	-26	28	82	136	191	245	299
120	264.00	bu	22	82	141	200	259	319	378	437	496	556	615
			-176	-117	-57	1	60	120	179	238	297	357	416
130	286.00	bu	90	154	218	282	346	411	475	539	603	667	732
			-109	-44	19	83	147	211	276	340	404	468	533
140	308.00	bu	157	226	295	364	433	502	572	641	710	779	848
			-41	27	96	165	234	303	373	442	511	580	649
150	330.00	bu	224	298	372	446	520	594	668	743	817	891	965
			25	99	173	247	321	395	469	543	618	692	766

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 32.A Estimated costs per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	1.0000	8.05	_____
FERTILIZERS					
DAP	cwt	36.68	1.3000	47.68	_____
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_____
UAN + Sulfur (28%)	gal	2.76	38.2883	105.68	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Select Max	pt	15.01	1.0000	15.01	_____
Lexar	pt	5.16	6.0000	30.96	_____
INSECTICIDES					
Sivanto Prime	oz	3.18	8.0000	25.44	_____
Warrior II	oz	2.74	1.5000	4.11	_____
Prevathon	oz	1.47	14.0000	20.58	_____
SEED/PLANTS					
Sorghum Concept+ Po	lb	4.16	4.5000	18.72	_____
ADJUVANTS					
Surfactant	pt	3.30	0.3000	0.99	_____
HAULING					
Haul Sorghum	bu	0.35	100.0000	35.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Sorghum Consultant	acre	6.00	1.0000	6.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2915	5.45	_____
Harvesters	hour	18.69	0.1021	1.91	_____
Self-Propelled	hour	18.69	0.0661	1.25	_____
HAND LABOR					
Implements	hour	9.06	0.1442	1.31	_____
Self-Propelled	hour	9.06	0.0330	0.30	_____
UNALLOCATED LABOR	hour	18.65	0.4138	7.72	_____
DIESEL FUEL					
Tractors	gal	2.86	3.3766	9.65	_____
Harvesters	gal	2.86	1.3935	3.99	_____
Self-Propelled	gal	2.86	0.8505	2.45	_____
REPAIR & MAINTENANCE					
Implements	acre	7.60	1.0000	7.60	_____
Tractors	acre	2.98	1.0000	2.98	_____
Harvesters	acre	4.93	1.0000	4.93	_____
Self-Propelled	acre	1.00	1.0000	1.00	_____
INTEREST ON OP. CAP.	acre	16.89	1.0000	16.89	_____

TOTAL DIRECT EXPENSES				458.60	_____
FIXED EXPENSES					
Implements	acre	18.36	1.0000	18.36	_____
Tractors	acre	23.05	1.0000	23.05	_____
Harvesters	acre	23.59	1.0000	23.59	_____
Self-Propelled	acre	8.10	1.0000	8.10	_____

TOTAL FIXED EXPENSES				73.10	_____

TOTAL SPECIFIED EXPENSES				531.70	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 32.B Summary of estimated costs and returns per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grain Sorghum	bu	4.27	100.0000	427.00	_____

TOTAL INCOME				427.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.05	1.0000	8.05	_____
FERTILIZERS	acre	180.45	1.0000	180.45	_____
HERBICIDES	acre	54.27	1.0000	54.27	_____
INSECTICIDES	acre	50.13	1.0000	50.13	_____
SEED/PLANTS	acre	18.72	1.0000	18.72	_____
ADJUVANTS	acre	0.99	1.0000	0.99	_____
HAULING	acre	35.00	1.0000	35.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	6.00	1.0000	6.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1772	1.61	_____
OPERATOR LABOR	hour	18.69	0.4598	8.61	_____
UNALLOCATED LABOR	hour	18.65	0.4138	7.72	_____
DIESEL FUEL	gal	2.86	5.6208	16.09	_____
REPAIR & MAINTENANCE	acre	16.51	1.0000	16.51	_____
INTEREST ON OP. CAP.	acre	16.89	1.0000	16.89	_____

TOTAL DIRECT EXPENSES				458.60	_____
RETURNS ABOVE DIRECT EXPENSES				-31.60	_____
TOTAL FIXED EXPENSES				73.10	_____

TOTAL SPECIFIED EXPENSES				531.70	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-104.70	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 32.C Estimated resource use for field operations, per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
Disk Harrow	32'	MFWD 225	0.061	1.00	Nov		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
2,4-D Amine 4	pt					2.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.3000				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Apr		0.04	0.04	0.08	0.03
DAP	cwt					1.3000				
Potash (60% K2O)	cwt					1.0000				
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	Apr		0.04	0.04	0.04	0.04
Plant - Folding	12R-30	MFWD 225	0.062	1.00	Apr		0.06	0.06	0.12	0.05
Sorghum Concept+ Po	lb					4.5000				
Sprayer 800gal	80' 250hp		0.013	1.00	Apr			0.01	0.01	0.01
Lexar	pt					6.0000				
Sorghum Consultant	acre			1.00	May	1.0000				
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN + Sulfur (28%)	gal					38.2883				
Sprayer 800gal	80' 250hp		0.013	1.00	Jun			0.01	0.01	0.01
Sivanto Prime	oz					4.0000				
Sprayer 800gal	80' 250hp		0.013	1.00	Jul			0.01	0.01	0.01
Warrior II	oz					1.5000				
Sprayer 800gal	80' 250hp		0.013	1.00	Jul			0.01	0.01	0.01
Prevathon	oz					14.0000				
Sprayer 800gal	80' 250hp		0.013	1.00	Jul			0.01	0.01	0.01
Sivanto Prime	oz					4.0000				
Header Wheat/Sorghum	25' Rigid	265 hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Sorghum	bu					100.0000				
							-------	-------	-------	-------
TOTALS							0.45	0.39	0.63	0.41

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 32.D Estimated costs for field operations, per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Disk Harrow	32'		2.03	2.12	2.18		0.48	6.81	8.79	15.60
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.99					0.05	1.04		1.04
Spin Spreader	5 ton		1.39	0.77	1.88		0.17	4.21	4.19	8.40
DAP	cwt	47.68					1.97	49.65		49.65
Potash (60% K2O)	cwt	27.09					1.12	28.21		28.21
Field Cultivate Fld	32'		1.55	1.22	1.65		0.18	4.60	7.61	12.21
Plant - Folding	12R-30		2.08	2.70	2.80		0.31	7.89	9.95	17.84
Sorghum Concept+ Po	lb	18.72					0.77	19.49		19.49
Sprayer 800gal	80' 250hp		0.49	0.20	0.53		0.05	1.27	1.62	2.89
Lexar	pt	30.96					1.28	32.24		32.24
Sorghum Consultant	acre	6.00					0.21	6.21		6.21
Fert Appl (Liquid)	12R-30		2.60	2.70	3.15		0.29	8.74	8.87	17.61
UAN + Sulfur (28%)	gal	105.68					3.63	109.31		109.31
Sprayer 800gal	80' 250hp		0.49	0.20	0.53		0.03	1.25	1.62	2.87
Sivanto Prime	oz	12.72					0.35	13.07		13.07
Sprayer 800gal	80' 250hp		0.49	0.20	0.53		0.03	1.25	1.62	2.87
Warrior II	oz	4.11					0.08	4.19		4.19
Sprayer 800gal	80' 250hp		0.49	0.20	0.53		0.03	1.25	1.62	2.87
Prevathon	oz	20.58					0.42	21.00		21.00
Sprayer 800gal	80' 250hp		0.49	0.20	0.53		0.03	1.25	1.62	2.87
Sivanto Prime	oz	12.72					0.26	12.98		12.98
Header Wheat/Sorghum	25' Rigid		3.99	6.00	3.63		0.09	13.71	25.59	39.30
Haul Sorghum	bu	35.00					0.24	35.24		35.24
TOTALS		391.17	16.09	16.51	17.94	0.00	16.89	458.60	73.10	531.70

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 32.E Estimated monthly income and expense flows per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	427.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	74.77	105.68	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	23.31	0.00	30.96	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.72	37.41	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	18.72	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	2.18	0.00	0.00	0.00	0.00	6.86	3.15	0.53	1.59	0.00	3.63
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	2.03	0.00	0.00	0.00	0.00	5.51	2.60	0.49	1.47	0.00	3.99
REPAIR & MAINTENANCE	0.00	2.12	0.00	0.00	0.00	0.00	4.89	2.70	0.20	0.60	0.00	6.00
INTEREST ON OP. CAP.	3.09	0.48	0.00	0.00	1.78	0.00	5.85	4.13	0.38	0.85	0.00	0.33
TOTAL DIRECT EXPENSES	40.65	6.81	0.00	0.00	34.13	0.00	147.56	124.26	14.32	41.92	0.00	48.95
NET INCOME	-40.65	-6.81	0.00	0.00	-34.13	0.00	-147.56	-124.26	-14.32	-41.92	0.00	378.05
NET INCOME TO DATE	-40.65	-47.46	-47.46	-47.46	-81.59	-81.59	-229.15	-353.41	-367.73	-409.65	-409.65	-31.60

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 32.F Estimated returns for various price/yield combinations, per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Grain Sorghum			3.20	3.41	3.62	3.84	4.05	4.27	4.48	4.69	4.91	5.12	5.33
PERCENT	YIELD	UNIT	dollars										
50	50.00	bu	-280	-270	-259	-248	-238	-227	-216	-206	-195	-184	-174
			-353	-343	-332	-321	-311	-300	-289	-279	-268	-257	-247
60	60.00	bu	-252	-239	-226	-213	-201	-188	-175	-162	-149	-137	-124
			-325	-312	-299	-287	-274	-261	-248	-235	-222	-210	-197
70	70.00	bu	-223	-208	-193	-179	-164	-149	-134	-119	-104	-89	-74
			-296	-282	-267	-252	-237	-222	-207	-192	-177	-162	-147
80	80.00	bu	-195	-178	-161	-144	-127	-109	-92	-75	-58	-41	-24
			-268	-251	-234	-217	-200	-183	-165	-148	-131	-114	-97
90	90.00	bu	-166	-147	-128	-109	-89	-70	-51	-32	-13	6	25
			-239	-220	-201	-182	-163	-143	-124	-105	-86	-67	-47
100	100.00	bu	-138	-117	-95	-74	-52	-31	-10	11	32	53	75
			-211	-190	-168	-147	-126	-104	-83	-62	-40	-19	2
110	110.00	bu	-109	-86	-62	-39	-15	7	31	54	78	101	125
			-182	-159	-135	-112	-89	-65	-42	-18	4	28	51
120	120.00	bu	-81	-55	-30	-4	21	46	72	97	123	149	174
			-154	-128	-103	-77	-51	-26	-0	24	50	76	101
130	130.00	bu	-52	-25	2	30	58	85	113	141	169	196	224
			-125	-98	-70	-42	-14	12	40	68	96	123	151
140	140.00	bu	-24	5	35	65	95	125	154	184	214	244	274
			-97	-67	-37	-7	22	52	81	111	141	171	201
150	150.00	bu	4	36	68	100	132	164	196	228	260	292	324
			-68	-36	-4	27	59	91	123	155	187	219	251

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 33.A Estimated costs per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.0000	16.10	_____
App by Air (3 gal)	appl	7.50	1.0000	7.50	_____
FERTILIZERS					
DAP	cwt	36.68	1.0000	36.68	_____
Potash (60% K2O)	cwt	27.09	0.7500	20.32	_____
Fert 41-0-0-4	cwt	38.00	3.0480	115.82	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	4.5000	20.07	_____
Miravis Ace	oz	1.48	13.7000	20.28	_____
HERBICIDES					
Axiom	oz	2.25	10.0000	22.50	_____
Harmony Extra SG	oz	14.64	0.7500	10.98	_____
Axial XL	oz	1.71	16.4000	28.04	_____
SEED/PLANTS					
Wheat Seed Private	lb	0.24	90.0000	21.60	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	3.0480	41.45	_____
HAULING					
Haul Wheat	bu	0.30	70.0000	21.00	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_____
CROP CONSULTANT					
Wheat Consultant	acre	5.50	1.0000	5.50	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2129	3.98	_____
Harvesters	hour	18.69	0.1021	1.91	_____
HAND LABOR					
Implements	hour	9.06	0.1049	0.95	_____
UNALLOCATED LABOR	hour	18.72	0.2521	4.72	_____
DIESEL FUEL					
Tractors	gal	2.86	2.4667	7.05	_____
Harvesters	gal	2.86	1.3935	3.99	_____
REPAIR & MAINTENANCE					
Implements	acre	6.03	1.0000	6.03	_____
Tractors	acre	2.18	1.0000	2.18	_____
Harvesters	acre	4.93	1.0000	4.93	_____
INTEREST ON OP. CAP.	acre	19.86	1.0000	19.86	_____

TOTAL DIRECT EXPENSES				481.01	_____
FIXED EXPENSES					
Implements	acre	16.50	1.0000	16.50	_____
Tractors	acre	16.84	1.0000	16.84	_____
Harvesters	acre	23.59	1.0000	23.59	_____

TOTAL FIXED EXPENSES				56.93	_____

TOTAL SPECIFIED EXPENSES				537.94	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 33.B Summary of estimated costs and returns per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	6.27	70.0000	438.90	_____
TOTAL INCOME				438.90	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	23.60	1.0000	23.60	_____
FERTILIZERS	acre	172.82	1.0000	172.82	_____
FUNGICIDES	acre	40.35	1.0000	40.35	_____
HERBICIDES	acre	61.52	1.0000	61.52	_____
SEED/PLANTS	acre	21.60	1.0000	21.60	_____
CUSTOM FERTILIZE	acre	41.46	1.0000	41.46	_____
HAULING	acre	21.00	1.0000	21.00	_____
CUSTOM LIME	acre	34.23	1.0000	34.23	_____
CROP CONSULTANT	acre	5.50	1.0000	5.50	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1049	0.95	_____
OPERATOR LABOR	hour	18.69	0.3151	5.89	_____
UNALLOCATED LABOR	hour	18.72	0.2521	4.72	_____
DIESEL FUEL	gal	2.86	3.8602	11.04	_____
REPAIR & MAINTENANCE	acre	13.14	1.0000	13.14	_____
INTEREST ON OP. CAP.	acre	19.86	1.0000	19.86	_____
TOTAL DIRECT EXPENSES				481.01	_____
RETURNS ABOVE DIRECT EXPENSES				-42.11	_____
TOTAL FIXED EXPENSES				56.93	_____
TOTAL SPECIFIED EXPENSES				537.94	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-99.04	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 33.C Estimated resource use for field operations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Sep	0.3330				
Lime (Spread)	ton			0.33	Sep	0.6660				
Disk Harrow	32'	MFWD 225	0.061	1.00	Sep		0.06	0.06	0.06	0.04
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Sep		0.04	0.04	0.08	0.03
DAP	cwt					1.0000				
Potash (60% K2O)	cwt					0.7500				
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	Sep		0.04	0.04	0.04	0.03
Grain Drill	30'	MFWD 225	0.062	1.00	Oct		0.06	0.06	0.12	0.05
Wheat Seed Private	lb					90.0000				
CruiserMaxx Vibrance	oz					4.5000				
Wheat Consultant	acre			1.00	Oct	1.0000				
App by Air (5 gal)	appl			1.00	Nov	1.0000				
Axiom	oz					10.0000				
App by Air (3 gal)	appl			1.00	Feb	1.0000				
Warrior II	oz									
Harmony Extra SG	oz					0.7500				
Axial XL	oz					16.4000				
App Fert by Air	cwt			1.00	Feb	1.5240				
Fert 41-0-0-4	cwt					1.5240				
App Fert by Air	cwt			1.00	Mar	1.5240				
Fert 41-0-0-4	cwt					1.5240				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Miravis Ace	oz					13.7000				
Header Wheat/Sorghum	25' Rigid	265 hp	0.102	1.00	Jun		0.10	0.10	0.10	0.08
Haul Wheat	bu					70.0000				
							-------	-------	-------	-------
TOTALS							0.31	0.31	0.42	0.25

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 33.D Estimated costs for field operations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.23	3.56		3.56
Lime (Spread)	ton	34.23					2.35	36.58		36.58
Disk Harrow	32'		2.03	2.12	2.07		0.43	6.65	8.79	15.44
Spin Spreader	5 ton		1.39	0.77	1.80		0.27	4.23	4.19	8.42
DAP	cwt	36.68					2.52	39.20		39.20
Potash (60% K2O)	cwt	20.32					1.40	21.72		21.72
Field Cultivate Fld	32'		1.55	1.22	1.57		0.30	4.64	7.61	12.25
Grain Drill	30'		2.08	3.03	2.68		0.48	8.27	10.75	19.02
Wheat Seed Private	lb	21.60					1.34	22.94		22.94
CruiserMaxx Vibrance	oz	20.07					1.24	21.31		21.31
Wheat Consultant	acre	5.50					0.34	5.84		5.84
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Axiom	oz	22.50					1.24	23.74		23.74
App by Air (3 gal)	appl	7.50					0.26	7.76		7.76
Warrior II	oz									
Harmony Extra SG	oz	10.98					0.38	11.36		11.36
Axial XL	oz	28.04					0.96	29.00		29.00
App Fert by Air	cwt	20.73					0.71	21.44		21.44
Fert 41-0-0-4	cwt	57.91					1.99	59.90		59.90
App Fert by Air	cwt	20.73					0.57	21.30		21.30
Fert 41-0-0-4	cwt	57.91					1.59	59.50		59.50
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Miravis Ace	oz	20.28					0.42	20.70		20.70
Header Wheat/Sorghum	25' Rigid		3.99	6.00	3.44		0.09	13.52	25.59	39.11
Haul Wheat	bu	21.00					0.14	21.14		21.14
TOTALS		425.41	11.04	13.14	11.56	0.00	19.86	481.01	56.93	537.94

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 33.E Estimated monthly income and expense flows per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2025

ITEM	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	438.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	7.50	0.00	8.05	0.00	0.00
FERTILIZERS	0.00	0.00	57.00	0.00	0.00	0.00	0.00	57.91	57.91	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	20.07	0.00	0.00	0.00	0.00	0.00	20.28	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	22.50	0.00	0.00	39.02	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.73	20.73	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00
CUSTOM LIME	0.00	0.00	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	5.44	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.44
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	4.97	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.99
REPAIR & MAINTENANCE	0.00	0.00	4.11	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
INTEREST ON OP. CAP.	0.00	0.00	7.50	3.40	1.68	0.00	0.00	4.30	2.16	0.59	0.00	0.23
TOTAL DIRECT EXPENSES	0.00	0.00	116.58	58.36	32.23	0.00	0.00	129.46	80.80	28.92	0.00	34.66
NET INCOME	0.00	0.00	-116.58	-58.36	-32.23	0.00	0.00	-129.46	-80.80	-28.92	0.00	404.24
NET INCOME TO DATE	0.00	0.00	-116.58	-174.94	-207.17	-207.17	-207.17	-336.63	-417.43	-446.35	-446.35	-42.11

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 33.F Estimated returns for various price/yield combinations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Wheat			4.70	5.01	5.32	5.64	5.95	6.27	6.58	6.89	7.21	7.52	7.83
PERCENT	YIELD	UNIT	dollars										
50	35.00	bu	-305	-294	-283	-272	-261	-250	-240	-229	-218	-207	-196
			-362	-351	-340	-329	-318	-307	-296	-285	-275	-264	-253
60	42.00	bu	-275	-261	-248	-235	-222	-209	-196	-182	-169	-156	-143
			-331	-318	-305	-292	-279	-266	-252	-239	-226	-213	-200
70	49.00	bu	-244	-228	-213	-198	-182	-167	-152	-136	-121	-105	-90
			-301	-285	-270	-255	-239	-224	-209	-193	-178	-162	-147
80	56.00	bu	-213	-195	-178	-160	-143	-125	-108	-90	-72	-55	-37
			-270	-252	-235	-217	-200	-182	-165	-147	-129	-112	-94
90	63.00	bu	-182	-162	-143	-123	-103	-83	-64	-44	-24	-4	14
			-239	-219	-200	-180	-160	-140	-121	-101	-81	-61	-42
100	70.00	bu	-151	-129	-107	-86	-64	-42	-20	1	23	45	67
			-208	-186	-164	-142	-120	-99	-77	-55	-33	-11	10
110	77.00	bu	-121	-96	-72	-48	-24	-0	23	47	72	96	120
			-177	-153	-129	-105	-81	-57	-33	-8	15	39	63
120	84.00	bu	-90	-63	-37	-11	15	41	67	94	120	146	173
			-147	-120	-94	-68	-41	-15	10	37	63	89	116
130	91.00	bu	-59	-30	-2	26	54	83	111	140	168	197	225
			-116	-87	-59	-30	-2	26	54	83	111	140	168
140	98.00	bu	-28	2	32	63	94	124	155	186	217	247	278
			-85	-54	-24	6	37	68	98	129	160	190	221
150	105.00	bu	2	35	68	100	133	166	199	232	265	298	331
			-54	-21	11	44	76	109	142	175	208	241	274

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 34.A Estimated costs per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.5000	44.28	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Regiment	oz	48.18	0.5000	24.09	_____
Facet L	pt	17.36	2.0000	34.72	_____
Permit	oz	23.42	0.6700	15.69	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	75.0000	24.75	_____
Rice Seed Trt/Insect	lbseed	0.29	88.6000	25.69	_____
Rice Seed Cv(Levees)	lb	0.33	13.6000	4.49	_____
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	_____
MSO	pt	3.50	1.0000	3.50	_____
Dyne-A-Pak	pt	4.17	0.5000	2.09	_____
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_____
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_____
Harvesters	hour	18.69	0.1269	2.37	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	1.5000	13.59	_____
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_____
DIESEL FUEL					
Tractors	gal	2.86	7.5785	21.65	_____
Harvesters	gal	2.86	2.7765	7.94	_____
Flood Irr.	gal	2.86	26.8827	76.89	_____
REPAIR & MAINTENANCE					
Implements	acre	10.95	1.0000	10.95	_____
Tractors	acre	6.00	1.0000	6.00	_____
Harvesters	acre	7.43	1.0000	7.43	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	27.97	1.0000	27.97	_____

TOTAL DIRECT EXPENSES				964.37	_____
FIXED EXPENSES					
Implements	acre	30.81	1.0000	30.81	_____
Tractors	acre	46.44	1.0000	46.44	_____
Harvesters	acre	35.58	1.0000	35.58	_____
Flood Irr.	acre	59.44	1.0000	59.44	_____

TOTAL FIXED EXPENSES				172.27	_____

TOTAL SPECIFIED EXPENSES				1136.64	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 34.B Summary of estimated costs and returns per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_____
TOTAL INCOME				960.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	54.03	1.0000	54.03	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	150.55	1.0000	150.55	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	54.93	1.0000	54.93	_____
ADJUVANTS	acre	9.56	1.0000	9.56	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	48.00	1.0000	48.00	_____
DRYING	acre	64.00	1.0000	64.00	_____
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_____
OPERATOR LABOR	hour	18.69	0.6745	12.60	_____
RICE MGT. LABOR	hour	9.06	1.5000	13.59	_____
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_____
DIESEL FUEL	gal	2.86	37.2377	106.48	_____
REPAIR & MAINTENANCE	acre	38.69	1.0000	38.69	_____
INTEREST ON OP. CAP.	acre	27.97	1.0000	27.97	_____
TOTAL DIRECT EXPENSES				964.37	_____
RETURNS ABOVE DIRECT EXPENSES				-4.37	_____
TOTAL FIXED EXPENSES				172.27	_____
TOTAL SPECIFIED EXPENSES				1136.64	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-176.64	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 34.C Estimated resource use for field operations, per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Sep	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					75.0000				
Rice Seed Trt/Insect	lbseed					75.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Cv(Levees)	lb					13.6000				
Rice Seed Trt/Insect	lbseed					13.6000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.30	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					0.5000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.50	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.50	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (CL)	40' Rigid	425 hp	0.126	1.00	Aug		0.12	0.12	0.12	0.11
Grain Cart Rice	700 bu	MFWD 225	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.67	0.67	6.02	0.49

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 34.D Estimated costs for field operations, per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.02	3.35		3.35
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	24.75					1.02	25.77		25.77
Rice Seed Trt/Insect	lbseed	21.75					0.90	22.65		22.65
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Seed Levees										
Rice Seed Cv(Levees)	lb	4.49					0.19	4.68		4.68
Rice Seed Trt/Insect	lbseed	3.94					0.16	4.10		4.10
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
Rice Management										
RICE MGT. LABOR	hour				2.72		0.09	2.81		2.81
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	1.75					0.05	1.80		1.80
Rice Management										
RICE MGT. LABOR	hour				4.53		0.12	4.65		4.65
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				4.53		0.09	4.62		4.62
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (CL)	40' Rigid		7.94	10.20	4.50		0.31	22.95	41.05	64.00
Grain Cart Rice	700 bu		0.36	0.27	0.40		0.01	1.04	1.22	2.26
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		720.85	106.48	38.69	70.38	0.00	27.97	964.37	172.27	1136.64

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 34.E Estimated monthly income and expense flows per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	54.93	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	1.75	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.33
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	9.52	11.33	11.33	10.74	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	9.44	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	10.86	5.05
INTEREST ON OP. CAP.	1.15	0.00	0.00	0.00	1.01	0.00	6.72	10.18	4.02	2.80	1.95	0.14
TOTAL DIRECT EXPENSES	15.06	0.00	0.00	0.00	19.28	0.00	169.72	306.29	150.46	137.99	144.99	20.58
NET INCOME	-15.06	0.00	0.00	0.00	-19.28	0.00	-169.72	-306.29	-150.46	-137.99	815.01	-20.58
NET INCOME TO DATE	-15.06	-15.06	-15.06	-15.06	-34.34	-34.34	-204.06	-510.35	-660.81	-798.80	16.21	-4.37

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs

Table 34.F Estimated returns for various price/yield combinations, per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-547	-523	-499	-475	-451	-427	-403	-379	-355	-331	-307
			-719	-695	-671	-647	-623	-599	-575	-551	-527	-503	-479
60	96.00	bu	-486	-458	-429	-400	-371	-342	-314	-285	-256	-227	-198
			-659	-630	-601	-572	-544	-515	-486	-457	-428	-400	-371
70	112.00	bu	-426	-392	-359	-325	-291	-258	-224	-191	-157	-123	-90
			-598	-564	-531	-497	-464	-430	-396	-363	-329	-296	-262
80	128.00	bu	-365	-327	-288	-250	-212	-173	-135	-96	-58	-20	18
			-537	-499	-461	-422	-384	-345	-307	-269	-230	-192	-153
90	144.00	bu	-305	-261	-218	-175	-132	-89	-45	-2	40	83	126
			-477	-434	-390	-347	-304	-261	-218	-174	-131	-88	-45
100	160.00	bu	-244	-196	-148	-100	-52	-4	43	91	139	187	235
			-416	-368	-320	-272	-224	-176	-128	-80	-32	15	63
110	176.00	bu	-183	-130	-78	-25	27	80	133	185	238	291	344
			-355	-303	-250	-197	-144	-91	-39	13	66	119	172
120	192.00	bu	-123	-65	-7	49	107	164	222	280	337	395	452
			-295	-237	-180	-122	-64	-7	50	107	165	223	280
130	208.00	bu	-62	-0	62	124	187	249	311	374	436	499	561
			-234	-172	-109	-47	14	77	139	202	264	326	389
140	224.00	bu	-1	65	132	199	267	334	401	468	535	603	670
			-174	-106	-39	27	94	161	229	296	363	430	497
150	240.00	bu	58	130	202	274	346	418	490	562	634	706	778
			-113	-41	30	102	174	246	318	390	462	534	606

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 35.A Estimated costs per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.5000	44.28	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Regiment	oz	48.18	0.5000	24.09	_____
Facet L	pt	17.36	2.0000	34.72	_____
Permit	oz	23.42	0.6700	15.69	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	75.0000	24.75	_____
Rice Seed Trt/Insect	lbseed	0.29	88.6000	25.69	_____
Rice Seed Cv(Levees)	lb	0.33	13.6000	4.49	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Dyne-A-Pak	pt	4.17	0.5000	2.09	_____
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_____
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_____
Harvesters	hour	18.69	0.1269	2.37	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_____
Harvesters	gal	2.86	2.7765	7.94	_____
Flood Irr.	gal	2.86	21.9949	62.91	_____
REPAIR & MAINTENANCE					
Implements	acre	10.85	1.0000	10.85	_____
Tractors	acre	5.70	1.0000	5.70	_____
Harvesters	acre	7.43	1.0000	7.43	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	27.22	1.0000	27.22	_____

TOTAL DIRECT EXPENSES				929.12	_____
FIXED EXPENSES					
Implements	acre	30.11	1.0000	30.11	_____
Tractors	acre	44.11	1.0000	44.11	_____
Harvesters	acre	35.58	1.0000	35.58	_____
Flood Irr.	acre	92.37	1.0000	92.37	_____

TOTAL FIXED EXPENSES				202.17	_____

TOTAL SPECIFIED EXPENSES				1131.29	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 35.B Summary of estimated costs and returns per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_____
TOTAL INCOME				960.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	54.03	1.0000	54.03	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	150.55	1.0000	150.55	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	54.93	1.0000	54.93	_____
ADJUVANTS	acre	11.31	1.0000	11.31	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	48.00	1.0000	48.00	_____
DRYING	acre	64.00	1.0000	64.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_____
OPERATOR LABOR	hour	18.69	0.6268	11.72	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_____
DIESEL FUEL	gal	2.86	31.9758	91.45	_____
REPAIR & MAINTENANCE	acre	38.29	1.0000	38.29	_____
INTEREST ON OP. CAP.	acre	27.22	1.0000	27.22	_____
TOTAL DIRECT EXPENSES				929.12	_____
RETURNS ABOVE DIRECT EXPENSES				30.88	_____
TOTAL FIXED EXPENSES				202.17	_____
TOTAL SPECIFIED EXPENSES				1131.29	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-171.29	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 35.C Estimated resource use for field operations, per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					75.0000				
Rice Seed Trt/Insect	lbseed					75.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Cv(Levees)	lb					13.6000				
Rice Seed Trt/Insect	lbseed					13.6000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (CL)	40' Rigid	425 hp	0.126	1.00	Aug		0.12	0.12	0.12	0.11
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
							---	---	---	---
TOTALS							0.62	0.62	4.03	0.49

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 35.D Estimated costs for field operations, per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	24.75					1.02	25.77		25.77
Rice Seed Trt/Insect	lbseed	21.75					0.90	22.65		22.65
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Cv(Levees)	lb	4.49					0.19	4.68		4.68
Rice Seed Trt/Insect	lbseed	3.94					0.16	4.10		4.10
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (CL)	40' Rigid		7.94	10.20	4.50		0.31	22.95	41.05	64.00
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		720.35	91.45	38.29	51.81	0.00	27.22	929.12	202.17	1131.29

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 35.E Estimated monthly income and expense flows per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	54.93	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	10.36	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	9.06	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	10.71	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	6.43	9.89	3.80	2.60	1.95	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	162.46	297.15	142.23	128.03	144.08	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-162.46	-297.15	-142.23	-128.03	815.92	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-200.40	-497.55	-639.78	-767.81	48.11	30.88

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs

Table 35.F Estimated returns for various price/yield combinations, per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-512	-488	-464	-440	-416	-392	-368	-344	-320	-296	-272
			-714	-690	-666	-642	-618	-594	-570	-546	-522	-498	-474
60	96.00	bu	-451	-422	-394	-365	-336	-307	-278	-250	-221	-192	-163
			-653	-625	-596	-567	-538	-509	-481	-452	-423	-394	-365
70	112.00	bu	-391	-357	-323	-290	-256	-223	-189	-155	-122	-88	-55
			-593	-559	-526	-492	-458	-425	-391	-358	-324	-290	-257
80	128.00	bu	-330	-292	-253	-215	-176	-138	-100	-61	-23	15	53
			-532	-494	-455	-417	-378	-340	-302	-263	-225	-186	-148
90	144.00	bu	-269	-226	-183	-140	-96	-53	-10	32	75	119	162
			-471	-428	-385	-342	-299	-255	-212	-169	-126	-83	-39
100	160.00	bu	-209	-161	-113	-65	-17	30	78	126	174	222	270
			-411	-363	-315	-267	-219	-171	-123	-75	-27	20	68
110	176.00	bu	-148	-95	-42	9	62	115	168	221	273	326	379
			-350	-297	-245	-192	-139	-86	-33	18	71	124	177
120	192.00	bu	-87	-30	27	84	142	200	257	315	372	430	488
			-289	-232	-174	-117	-59	-1	55	113	170	228	286
130	208.00	bu	-27	35	97	160	222	284	347	409	472	534	596
			-229	-166	-104	-42	20	82	145	207	269	332	394
140	224.00	bu	33	100	167	235	302	369	436	503	571	638	705
			-168	-101	-34	32	100	167	234	301	368	436	503
150	240.00	bu	94	166	238	310	382	454	526	598	670	742	814
			-108	-36	35	107	179	251	323	395	467	539	611

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 36.A Estimated costs per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.5000	44.28	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Regiment	oz	48.18	0.5000	24.09	_____
Facet L	pt	17.36	2.0000	34.72	_____
Permit	oz	23.42	0.6700	15.69	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	75.0000	24.75	_____
Rice Seed Trt/Insect	lbseed	0.29	88.6000	25.69	_____
Rice Seed Cv(Levees)	lb	0.33	13.6000	4.49	_____
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	_____
MSO	pt	3.50	1.5000	5.25	_____
Dyne-A-Pak	pt	4.17	0.5000	2.09	_____
Crop Oil Conc.(Pet.)	pt	2.86	0.5000	1.43	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_____
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_____
Implements	hour	9.06	0.0375	0.34	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	18.7364	53.59	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	5.88	1.0000	5.88	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	13.96	1.0000	13.96	_____
INTEREST ON OP. CAP.	acre	26.94	1.0000	26.94	_____

TOTAL DIRECT EXPENSES				914.88	_____
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_____
Tractors	acre	45.59	1.0000	45.59	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.02	1.0000	92.02	_____

TOTAL FIXED EXPENSES				198.84	_____

TOTAL SPECIFIED EXPENSES				1113.72	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 36.B Summary of estimated costs and returns per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_____
TOTAL INCOME				960.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	54.03	1.0000	54.03	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	150.55	1.0000	150.55	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	54.93	1.0000	54.93	_____
ADJUVANTS	acre	11.60	1.0000	11.60	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	48.00	1.0000	48.00	_____
DRYING	acre	64.00	1.0000	64.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_____
OPERATOR LABOR	hour	18.69	0.6381	11.94	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	28.5932	81.77	_____
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_____
INTEREST ON OP. CAP.	acre	26.94	1.0000	26.94	_____
TOTAL DIRECT EXPENSES				914.88	_____
RETURNS ABOVE DIRECT EXPENSES				45.12	_____
TOTAL FIXED EXPENSES				198.84	_____
TOTAL SPECIFIED EXPENSES				1113.72	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-153.72	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 36.C Estimated resource use for field operations, per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					75.0000				
Rice Seed Trt/Insect	lbseed					75.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Cv(Levees)	lb					13.6000				
Rice Seed Trt/Insect	lbseed					13.6000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.5000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 36.D Estimated costs for field operations, per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	24.75					1.02	25.77		25.77
Rice Seed Trt/Insect	lbseed	21.75					0.90	22.65		22.65
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Seed Levees										
Rice Seed Cv(Levees)	lb	4.49					0.19	4.68		4.68
Rice Seed Trt/Insect	lbseed	3.94					0.16	4.10		4.10
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.43					0.05	1.48		1.48
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		728.56	81.77	36.86	40.75	0.00	26.94	914.88	198.84	1113.72

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 36.E Estimated monthly income and expense flows per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	54.93	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.52	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	6.60	9.71	3.66	2.50	1.92	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	166.79	292.13	136.96	122.80	141.03	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-166.79	-292.13	-136.96	-122.80	818.97	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-204.73	-496.86	-633.82	-756.62	62.35	45.12

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs

Table 36.F Estimated returns for various price/yield combinations, per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-498	-474	-450	-426	-402	-378	-354	-330	-306	-282	-258
			-696	-672	-648	-624	-600	-576	-552	-528	-504	-480	-456
60	96.00	bu	-437	-408	-379	-351	-322	-293	-264	-235	-207	-178	-149
			-636	-607	-578	-549	-521	-492	-463	-434	-405	-377	-348
70	112.00	bu	-376	-343	-309	-276	-242	-208	-175	-141	-108	-74	-40
			-575	-542	-508	-474	-441	-407	-374	-340	-306	-273	-239
80	128.00	bu	-316	-277	-239	-200	-162	-124	-85	-47	-8	29	67
			-515	-476	-438	-399	-361	-323	-284	-246	-207	-169	-131
90	144.00	bu	-255	-212	-169	-125	-82	-39	3	46	90	133	176
			-454	-411	-367	-324	-281	-238	-195	-151	-108	-65	-22
100	160.00	bu	-194	-146	-98	-50	-2	45	93	141	189	237	285
			-393	-345	-297	-249	-201	-153	-105	-57	-9	38	86
110	176.00	bu	-134	-81	-28	24	76	129	182	235	288	340	393
			-333	-280	-227	-174	-121	-69	-16	36	89	142	194
120	192.00	bu	-73	-15	41	99	156	214	272	329	387	444	502
			-272	-214	-157	-99	-42	15	73	130	188	245	303
130	208.00	bu	-12	49	111	174	236	299	361	423	486	548	611
			-211	-149	-86	-24	37	100	162	225	287	349	412
140	224.00	bu	47	114	182	249	316	383	450	518	585	652	719
			-151	-83	-16	50	117	184	252	319	386	453	520
150	240.00	bu	108	180	252	324	396	468	540	612	684	756	828
			-90	-18	53	125	197	269	341	413	485	557	629

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 37.A Estimated costs per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.5000	44.28	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Regiment	oz	48.18	0.5000	24.09	_____
Facet L	pt	17.36	2.0000	34.72	_____
Permit	oz	23.42	0.6700	15.69	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	75.0000	24.75	_____
Rice Seed Trt/Insect	lbseed	0.29	75.0000	21.75	_____
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	_____
MSO	pt	3.50	1.5000	5.25	_____
Dyne-A-Pak	pt	4.17	0.5000	2.09	_____
Crop Oil Conc.(Pet.)	pt	2.86	0.5000	1.43	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_____
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	15.4779	44.27	_____
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_____
Tractors	acre	5.17	1.0000	5.17	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	11.80	1.0000	11.80	_____
INTEREST ON OP. CAP.	acre	25.58	1.0000	25.58	_____

TOTAL DIRECT EXPENSES				876.89	_____
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_____
Tractors	acre	40.06	1.0000	40.06	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	91.67	1.0000	91.67	_____

TOTAL FIXED EXPENSES				191.10	_____

TOTAL SPECIFIED EXPENSES				1067.99	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 37.B Summary of estimated costs and returns per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_____

TOTAL INCOME				960.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	54.03	1.0000	54.03	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	150.55	1.0000	150.55	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	46.50	1.0000	46.50	_____
ADJUVANTS	acre	11.60	1.0000	11.60	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	48.00	1.0000	48.00	_____
DRYING	acre	64.00	1.0000	64.00	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_____
OPERATOR LABOR	hour	18.69	0.5328	9.97	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	24.4137	69.82	_____
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_____
INTEREST ON OP. CAP.	acre	25.58	1.0000	25.58	_____

TOTAL DIRECT EXPENSES				876.89	_____
RETURNS ABOVE DIRECT EXPENSES				83.11	_____
TOTAL FIXED EXPENSES				191.10	_____

TOTAL SPECIFIED EXPENSES				1067.99	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-107.99	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 37.C Estimated resource use for field operations, per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					75.0000				
Rice Seed Trt/Insect	lbseed					75.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.5000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
							-------	-------	-------	-------
TOTALS							0.53	0.53	2.61	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 37.D Estimated costs for field operations, per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	24.75					1.02	25.77		25.77
Rice Seed Trt/Insect	lbseed	21.75					0.90	22.65		22.65
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.43					0.05	1.48		1.48
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		709.96	69.82	33.74	37.79	0.00	25.58	876.89	191.10	1067.99

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 37.E Estimated monthly income and expense flows per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	46.50	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.52	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	5.48	9.63	3.59	2.45	1.88	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	138.52	289.63	134.47	120.33	138.77	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-138.52	-289.63	-134.47	-120.33	821.23	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-176.46	-466.09	-600.56	-720.89	100.34	83.11

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 37.F Estimated returns for various price/yield combinations, per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-460	-436	-412	-388	-364	-340	-316	-292	-268	-244	-220
			-651	-627	-603	-579	-555	-531	-507	-483	-459	-435	-411
60	96.00	bu	-399	-370	-341	-313	-284	-255	-226	-197	-169	-140	-111
			-590	-561	-532	-504	-475	-446	-417	-388	-360	-331	-302
70	112.00	bu	-338	-305	-271	-238	-204	-170	-137	-103	-70	-36	-2
			-529	-496	-462	-429	-395	-361	-328	-294	-261	-227	-193
80	128.00	bu	-278	-239	-201	-162	-124	-86	-47	-9	29	67	105
			-469	-430	-392	-354	-315	-277	-238	-200	-162	-123	-85
90	144.00	bu	-217	-174	-131	-87	-44	-1	41	84	128	171	214
			-408	-365	-322	-279	-235	-192	-149	-106	-63	-19	23
100	160.00	bu	-156	-108	-60	-12	35	83	131	179	227	275	323
			-347	-299	-251	-203	-155	-107	-59	-11	36	84	132
110	176.00	bu	-96	-43	9	62	114	167	220	273	326	378	431
			-287	-234	-181	-128	-76	-23	29	82	135	187	240
120	192.00	bu	-35	22	79	137	194	252	310	367	425	482	540
			-226	-169	-111	-53	3	61	118	176	234	291	349
130	208.00	bu	25	87	149	212	274	337	399	461	524	586	649
			-166	-103	-41	21	83	145	208	270	333	395	457
140	224.00	bu	85	152	220	287	354	421	488	556	623	690	757
			-105	-38	28	96	163	230	297	364	432	499	566
150	240.00	bu	146	218	290	362	434	506	578	650	722	794	866
			-44	27	99	171	243	315	387	459	531	603	675

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 38.A Estimated costs per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Regiment	oz	48.18	0.5000	24.09	_____
Facet L	pt	17.36	2.0000	34.72	_____
Permit	oz	23.42	0.6700	15.69	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Conv Hyb Trt	lb	6.31	23.0000	145.13	_____
Rice Seed CvH(Levee)	lb	1.93	4.2500	8.20	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Dyne-A-Pak	pt	4.17	0.5000	2.09	_____
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	26.8827	76.89	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	6.02	1.0000	6.02	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	31.88	1.0000	31.88	_____

TOTAL DIRECT EXPENSES				1045.20	_____
FIXED EXPENSES					
Implements	acre	30.08	1.0000	30.08	_____
Tractors	acre	46.61	1.0000	46.61	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	59.44	1.0000	59.44	_____

TOTAL FIXED EXPENSES				166.96	_____

TOTAL SPECIFIED EXPENSES				1212.16	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 38.B Summary of estimated costs and returns per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	45.98	1.0000	45.98	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	150.55	1.0000	150.55	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	154.56	1.0000	154.56	_____
ADJUVANTS	acre	10.98	1.0000	10.98	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_____
OPERATOR LABOR	hour	18.69	0.6575	12.29	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	36.9100	105.55	_____
REPAIR & MAINTENANCE	acre	37.35	1.0000	37.35	_____
INTEREST ON OP. CAP.	acre	31.88	1.0000	31.88	_____
TOTAL DIRECT EXPENSES				1045.20	_____
RETURNS ABOVE DIRECT EXPENSES				34.80	_____
TOTAL FIXED EXPENSES				166.96	_____
TOTAL SPECIFIED EXPENSES				1212.16	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-132.16	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 38.C Estimated resource use for field operations, per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Conv Hyb Trt	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CvH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.65	0.65	5.21	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 38.D Estimated costs for field operations, per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Conv Hyb Trt	lb	145.13					5.99	151.12		151.12
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CvH(Levee)	lb	8.20					0.34	8.54		8.54
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		807.88	105.55	37.35	62.54	0.00	31.88	1045.20	166.96	1212.16

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 38.E Estimated monthly income and expense flows per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	154.56	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	7.71	8.61	8.61	10.15	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	8.51	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	9.52	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.83	10.39	4.00	2.00	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	273.46	312.32	149.47	98.49	156.29	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-273.46	-312.32	-149.47	-98.49	923.71	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-311.40	-623.72	-773.19	-871.68	52.03	34.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs

Table 38.F Estimated returns for various price/yield combinations, per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-576	-549	-522	-495	-468	-441	-414	-387	-360	-333	-306
			-743	-716	-689	-662	-635	-608	-581	-554	-527	-500	-473
60	108.00	bu	-508	-475	-443	-410	-378	-346	-313	-281	-248	-216	-184
			-675	-642	-610	-577	-545	-513	-480	-448	-415	-383	-351
70	126.00	bu	-439	-402	-364	-326	-288	-250	-213	-175	-137	-99	-61
			-606	-569	-531	-493	-455	-417	-380	-342	-304	-266	-228
80	144.00	bu	-371	-328	-285	-242	-198	-155	-112	-69	-26	17	60
			-538	-495	-452	-409	-365	-322	-279	-236	-193	-149	-106
90	162.00	bu	-303	-254	-206	-157	-109	-60	-11	36	85	133	182
			-470	-421	-373	-324	-275	-227	-178	-130	-81	-32	15
100	180.00	bu	-235	-181	-127	-73	-19	34	88	142	196	250	304
			-402	-348	-294	-240	-186	-132	-78	-24	29	83	137
110	198.00	bu	-166	-107	-48	11	70	130	189	248	308	367	427
			-333	-274	-215	-155	-96	-36	22	81	141	200	260
120	216.00	bu	-98	-33	30	95	160	225	290	354	419	484	549
			-265	-200	-136	-71	-6	58	123	187	252	317	382
130	234.00	bu	-30	39	109	180	250	320	390	460	531	601	671
			-197	-127	-57	13	83	153	223	293	364	434	504
140	252.00	bu	37	113	188	264	340	415	491	566	642	718	793
			-129	-53	21	97	173	248	324	399	475	551	626
150	270.00	bu	105	186	267	348	429	510	591	672	753	834	915
			-61	19	100	181	262	343	424	505	586	667	748

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 39.A Estimated costs per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Regiment	oz	48.18	0.5000	24.09	_____
Facet L	pt	17.36	2.0000	34.72	_____
Permit	oz	23.42	0.6700	15.69	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Conv Hyb Trt	lb	6.31	23.0000	145.13	_____
Rice Seed CvH(Levee)	lb	1.93	4.2500	8.20	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Dyne-A-Pak	pt	4.17	0.5000	2.09	_____
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	21.9949	62.91	_____
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	_____
Tractors	acre	5.70	1.0000	5.70	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	31.00	1.0000	31.00	_____

TOTAL DIRECT EXPENSES				1015.17	_____
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	_____
Tractors	acre	44.11	1.0000	44.11	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.37	1.0000	92.37	_____

TOTAL FIXED EXPENSES				196.69	_____

TOTAL SPECIFIED EXPENSES				1211.86	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 39.B Summary of estimated costs and returns per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	45.98	1.0000	45.98	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	150.55	1.0000	150.55	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	154.56	1.0000	154.56	_____
ADJUVANTS	acre	10.98	1.0000	10.98	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_____
OPERATOR LABOR	hour	18.69	0.6099	11.41	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	31.6056	90.39	_____
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_____
INTEREST ON OP. CAP.	acre	31.00	1.0000	31.00	_____
TOTAL DIRECT EXPENSES				1015.17	_____
RETURNS ABOVE DIRECT EXPENSES				64.83	_____
TOTAL FIXED EXPENSES				196.69	_____
TOTAL SPECIFIED EXPENSES				1211.86	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-131.86	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 39.C Estimated resource use for field operations, per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Conv Hyb Trt	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CvH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.60	0.60	4.01	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 39.D Estimated costs for field operations, per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Conv Hyb Trt	lb	145.13					5.99	151.12		151.12
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CvH(Levee)	lb	8.20					0.34	8.54		8.54
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		805.63	90.39	36.93	51.22	0.00	31.00	1015.17	196.69	1211.86

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 39.E Estimated monthly income and expense flows per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	154.56	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.54	10.16	3.80	1.85	2.10	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	266.20	305.05	142.23	91.30	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-266.20	-305.05	-142.23	-91.30	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-304.14	-609.19	-751.42	-842.72	82.06	64.83

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 39.F Estimated returns for various price/yield combinations, per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-546	-519	-492	-465	-438	-411	-384	-357	-330	-303	-276
			-742	-715	-688	-661	-634	-607	-580	-553	-526	-499	-472
60	108.00	bu	-478	-445	-413	-380	-348	-316	-283	-251	-218	-186	-154
			-674	-642	-609	-577	-545	-512	-480	-447	-415	-383	-350
70	126.00	bu	-409	-372	-334	-296	-258	-220	-183	-145	-107	-69	-31
			-606	-568	-530	-493	-455	-417	-379	-341	-304	-266	-228
80	144.00	bu	-341	-298	-255	-212	-168	-125	-82	-39	3	47	90
			-538	-495	-451	-408	-365	-322	-279	-235	-192	-149	-106
90	162.00	bu	-273	-224	-176	-127	-78	-30	18	66	115	164	212
			-470	-421	-372	-324	-275	-227	-178	-129	-81	-32	15
100	180.00	bu	-205	-151	-97	-43	10	64	118	172	226	280	334
			-401	-347	-293	-239	-185	-131	-77	-23	30	84	138
110	198.00	bu	-136	-77	-18	41	100	160	219	278	338	397	457
			-333	-274	-214	-155	-96	-36	22	82	141	200	260
120	216.00	bu	-68	-3	60	125	190	255	320	384	449	514	579
			-265	-200	-135	-71	-6	58	123	188	252	317	382
130	234.00	bu	-0	69	139	210	280	350	420	490	561	631	701
			-197	-126	-56	13	83	153	224	294	364	434	504
140	252.00	bu	67	143	218	294	370	445	521	596	672	748	823
			-128	-53	22	97	173	249	324	400	475	551	627
150	270.00	bu	135	216	297	378	459	540	621	702	783	864	945
			-60	20	101	182	263	344	425	506	587	668	749

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 40.A Estimated costs per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Regiment	oz	48.18	0.5000	24.09	_____
Facet L	pt	17.36	2.0000	34.72	_____
Permit	oz	23.42	0.6700	15.69	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Rice Conv Hyb Trt	lb	6.31	23.0000	145.13	_____
Rice Seed CvH(Levee)	lb	1.93	4.2500	8.20	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Dyne-A-Pak	pt	4.17	0.5000	2.09	_____
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_____
Implements	hour	9.06	0.0375	0.34	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	18.7364	53.59	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	5.88	1.0000	5.88	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	13.96	1.0000	13.96	_____
INTEREST ON OP. CAP.	acre	30.75	1.0000	30.75	_____

TOTAL DIRECT EXPENSES				1003.68	_____
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_____
Tractors	acre	45.59	1.0000	45.59	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.02	1.0000	92.02	_____

TOTAL FIXED EXPENSES				198.84	_____

TOTAL SPECIFIED EXPENSES				1202.52	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 40.B Summary of estimated costs and returns per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	45.98	1.0000	45.98	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	150.55	1.0000	150.55	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	154.56	1.0000	154.56	_____
ADJUVANTS	acre	10.98	1.0000	10.98	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_____
OPERATOR LABOR	hour	18.69	0.6381	11.94	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	28.5932	81.77	_____
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_____
INTEREST ON OP. CAP.	acre	30.75	1.0000	30.75	_____
TOTAL DIRECT EXPENSES				1003.68	_____
RETURNS ABOVE DIRECT EXPENSES				76.32	_____
TOTAL FIXED EXPENSES				198.84	_____
TOTAL SPECIFIED EXPENSES				1202.52	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-122.52	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 40.C Estimated resource use for field operations, per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Conv Hyb Trt	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CvH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
							---	---	---	---
TOTALS							0.63	0.63	2.82	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 40.D Estimated costs for field operations, per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Conv Hyb Trt	lb	145.13					5.99	151.12		151.12
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CvH(Levee)	lb	8.20					0.34	8.54		8.54
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		813.55	81.77	36.86	40.75	0.00	30.75	1003.68	198.84	1202.52

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 40.E Estimated monthly income and expense flows per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	154.56	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.71	9.97	3.66	1.75	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	270.53	299.73	136.96	86.07	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-270.53	-299.73	-136.96	-86.07	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-308.47	-608.20	-745.16	-831.23	93.55	76.32

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 40.F Estimated returns for various price/yield combinations, per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-534	-507	-480	-453	-426	-399	-372	-345	-318	-291	-264
			-733	-706	-679	-652	-625	-598	-571	-544	-517	-490	-463
60	108.00	bu	-466	-434	-401	-369	-336	-304	-272	-239	-207	-174	-142
			-665	-633	-600	-568	-535	-503	-471	-438	-406	-373	-341
70	126.00	bu	-398	-360	-322	-284	-247	-209	-171	-133	-95	-58	-20
			-597	-559	-521	-483	-446	-408	-370	-332	-294	-257	-219
80	144.00	bu	-330	-286	-243	-200	-157	-114	-70	-27	15	58	101
			-528	-485	-442	-399	-356	-312	-269	-226	-183	-140	-96
90	162.00	bu	-261	-213	-164	-116	-67	-18	29	78	126	175	224
			-460	-412	-363	-314	-266	-217	-169	-120	-71	-23	25
100	180.00	bu	-193	-139	-85	-31	22	76	130	184	238	292	346
			-392	-338	-284	-230	-176	-122	-68	-14	39	93	147
110	198.00	bu	-125	-66	-6	52	112	171	230	290	349	409	468
			-324	-264	-205	-146	-86	-27	32	91	150	210	269
120	216.00	bu	-57	7	72	137	201	266	331	396	461	525	590
			-256	-191	-126	-61	3	67	132	197	262	327	391
130	234.00	bu	11	81	151	221	291	362	432	502	572	642	713
			-187	-117	-47	22	92	163	233	303	373	443	514
140	252.00	bu	79	154	230	306	381	457	532	608	684	759	835
			-119	-44	31	107	182	258	333	409	485	560	636
150	270.00	bu	147	228	309	390	471	552	633	714	795	876	957
			-51	29	110	191	272	353	434	515	596	677	758

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 41.A Estimated costs per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Regiment	oz	48.18	0.5000	24.09	_____
Facet L	pt	17.36	2.0000	34.72	_____
Permit	oz	23.42	0.6700	15.69	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Conv Hyb Trt	lb	6.31	23.0000	145.13	_____
Rice Seed CvH(Levee)	lb	1.93	4.2500	8.20	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Dyne-A-Pak	pt	4.17	0.5000	2.09	_____
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	15.4779	44.27	_____
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_____
Tractors	acre	5.17	1.0000	5.17	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	11.80	1.0000	11.80	_____
INTEREST ON OP. CAP.	acre	29.74	1.0000	29.74	_____

TOTAL DIRECT EXPENSES				974.47	_____
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_____
Tractors	acre	40.06	1.0000	40.06	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	91.67	1.0000	91.67	_____

TOTAL FIXED EXPENSES				191.10	_____

TOTAL SPECIFIED EXPENSES				1165.57	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 41.B Summary of estimated costs and returns per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	45.98	1.0000	45.98	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	150.55	1.0000	150.55	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	154.56	1.0000	154.56	_____
ADJUVANTS	acre	10.98	1.0000	10.98	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_____
OPERATOR LABOR	hour	18.69	0.5328	9.97	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	24.4137	69.82	_____
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_____
INTEREST ON OP. CAP.	acre	29.74	1.0000	29.74	_____
TOTAL DIRECT EXPENSES				974.47	_____
RETURNS ABOVE DIRECT EXPENSES				105.53	_____
TOTAL FIXED EXPENSES				191.10	_____
TOTAL SPECIFIED EXPENSES				1165.57	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-85.57	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 41.C Estimated resource use for field operations, per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Conv Hyb Trt	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CvH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
TOTALS							0.53	0.53	2.61	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 41.D Estimated costs for field operations, per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Conv Hyb Trt	lb	145.13					5.99	151.12		151.12
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CvH(Levee)	lb	8.20					0.34	8.54		8.54
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		803.38	69.82	33.74	37.79	0.00	29.74	974.47	191.10	1165.57

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests
Soil test cost is prorated for a test every 3rd year.

Table 41.E Estimated monthly income and expense flows per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	154.56	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	9.94	9.89	3.59	1.70	2.07	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	251.04	297.23	134.47	83.60	152.96	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-251.04	-297.23	-134.47	-83.60	927.04	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-288.98	-586.21	-720.68	-804.28	122.76	105.53

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 41.F Estimated returns for various price/yield combinations, per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-505	-478	-451	-424	-397	-370	-343	-316	-289	-262	-235
			-696	-669	-642	-615	-588	-561	-534	-507	-480	-453	-426
60	108.00	bu	-437	-404	-372	-340	-307	-275	-242	-210	-178	-145	-113
			-628	-596	-563	-531	-498	-466	-434	-401	-369	-336	-304
70	126.00	bu	-369	-331	-293	-255	-217	-180	-142	-104	-66	-28	8
			-560	-522	-484	-446	-409	-371	-333	-295	-257	-220	-182
80	144.00	bu	-300	-257	-214	-171	-128	-84	-41	1	44	87	131
			-492	-448	-405	-362	-319	-276	-232	-189	-146	-103	-60
90	162.00	bu	-232	-184	-135	-86	-38	10	58	107	156	204	253
			-423	-375	-326	-277	-229	-180	-132	-83	-34	13	62
100	180.00	bu	-164	-110	-56	-2	51	105	159	213	267	321	375
			-355	-301	-247	-193	-139	-85	-31	22	76	130	184
110	198.00	bu	-96	-36	22	81	141	200	260	319	378	438	497
			-287	-227	-168	-109	-49	9	69	128	187	247	306
120	216.00	bu	-28	36	101	166	231	295	360	425	490	555	619
			-219	-154	-89	-24	40	104	169	234	299	364	428
130	234.00	bu	40	110	180	250	321	391	461	531	601	672	742
			-150	-80	-10	59	129	200	270	340	410	480	551
140	252.00	bu	108	184	259	335	410	486	562	637	713	788	864
			-82	-7	68	144	219	295	370	446	522	597	673
150	270.00	bu	176	257	338	419	500	581	662	743	824	905	986
			-14	66	147	228	309	390	471	552	633	714	795

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 42.A Estimated costs per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Clearpath	oz	4.46	9.6000	42.82	_____
Newpath	oz	4.50	6.0000	27.00	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Clearfield	lb	1.28	65.0000	83.20	_____
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_____
Rice Seed CF(Levees)	lb	1.30	12.0000	15.60	_____
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	_____
MSO	pt	3.50	1.5000	5.25	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_____
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_____
Harvesters	hour	18.69	0.1269	2.37	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	1.5000	13.59	_____
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_____
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	_____
Harvesters	gal	2.86	2.7765	7.94	_____
Flood Irr.	gal	2.86	26.8827	76.89	_____
REPAIR & MAINTENANCE					
Implements	acre	10.95	1.0000	10.95	_____
Tractors	acre	6.02	1.0000	6.02	_____
Harvesters	acre	7.43	1.0000	7.43	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	31.95	1.0000	31.95	_____

TOTAL DIRECT EXPENSES				1052.44	_____
FIXED EXPENSES					
Implements	acre	30.81	1.0000	30.81	_____
Tractors	acre	46.61	1.0000	46.61	_____
Harvesters	acre	35.58	1.0000	35.58	_____
Flood Irr.	acre	59.44	1.0000	59.44	_____

TOTAL FIXED EXPENSES				172.44	_____

TOTAL SPECIFIED EXPENSES				1224.88	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 42.B Summary of estimated costs and returns per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_____

TOTAL INCOME				960.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	156.88	1.0000	156.88	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	121.13	1.0000	121.13	_____
ADJUVANTS	acre	19.52	1.0000	19.52	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	48.00	1.0000	48.00	_____
DRYING	acre	64.00	1.0000	64.00	_____
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_____
OPERATOR LABOR	hour	18.69	0.6745	12.60	_____
RICE MGT. LABOR	hour	9.06	1.5000	13.59	_____
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_____
DIESEL FUEL	gal	2.86	37.2802	106.61	_____
REPAIR & MAINTENANCE	acre	38.71	1.0000	38.71	_____
INTEREST ON OP. CAP.	acre	31.95	1.0000	31.95	_____

TOTAL DIRECT EXPENSES				1052.44	_____
RETURNS ABOVE DIRECT EXPENSES				-92.44	_____
TOTAL FIXED EXPENSES				172.44	_____

TOTAL SPECIFIED EXPENSES				1224.88	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-264.88	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 42.C Estimated resource use for field operations, per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Clearfield	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Clearpath	oz					9.6000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.30	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.50	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.50	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (CL)	40' Rigid	425 hp	0.126	1.00	Aug		0.12	0.12	0.12	0.11
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
							---	---	---	---
TOTALS							0.67	0.67	6.02	0.49

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 42.D Estimated costs for field operations, per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Clearfield	lb	83.20					3.43	86.63		86.63
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Seed Levees										
Rice Seed CF(Levees)	lb	15.60					0.64	16.24		16.24
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Clearpath	oz	42.82					1.77	44.59		44.59
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Newpath	oz	27.00					0.93	27.93		27.93
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				2.72		0.09	2.81		2.81
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				4.53		0.12	4.65		4.65
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				4.53		0.09	4.62		4.62
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (CL)	40' Rigid		7.94	10.20	4.50		0.31	22.95	41.05	64.00
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		804.79	106.61	38.71	70.38	0.00	31.95	1052.44	172.44	1224.88

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 42.E Estimated monthly income and expense flows per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	88.47	38.01	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	121.13	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	9.52	11.33	11.33	10.74	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	9.57	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	10.88	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.78	8.79	4.07	2.80	1.96	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	297.57	264.30	152.26	137.99	145.15	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-297.57	-264.30	-152.26	-137.99	814.85	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-335.51	-599.81	-752.07	-890.06	-75.21	-92.44

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 42.F Estimated returns for various price/yield combinations, per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-635	-611	-587	-563	-539	-515	-491	-467	-443	-419	-395
			-808	-784	-760	-736	-712	-688	-664	-640	-616	-592	-568
60	96.00	bu	-575	-546	-517	-488	-459	-431	-402	-373	-344	-315	-287
			-747	-718	-689	-661	-632	-603	-574	-545	-517	-488	-459
70	112.00	bu	-514	-480	-447	-413	-379	-346	-312	-279	-245	-211	-178
			-686	-653	-619	-586	-552	-518	-485	-451	-418	-384	-350
80	128.00	bu	-453	-415	-376	-338	-300	-261	-223	-184	-146	-108	-69
			-626	-587	-549	-510	-472	-434	-395	-357	-318	-280	-242
90	144.00	bu	-393	-349	-306	-263	-220	-177	-133	-90	-47	-4	38
			-565	-522	-479	-435	-392	-349	-306	-263	-219	-176	-133
100	160.00	bu	-332	-284	-236	-188	-140	-92	-44	3	51	99	147
			-504	-456	-408	-360	-312	-264	-216	-168	-120	-72	-24
110	176.00	bu	-271	-218	-166	-113	-60	-7	45	97	150	203	256
			-444	-391	-338	-285	-233	-180	-127	-74	-21	30	83
120	192.00	bu	-211	-153	-95	-38	19	76	134	192	249	307	364
			-383	-325	-268	-210	-153	-95	-37	19	77	134	192
130	208.00	bu	-150	-88	-25	36	99	161	223	286	348	411	473
			-322	-260	-198	-135	-73	-10	51	113	176	238	301
140	224.00	bu	-89	-22	44	111	178	246	313	380	447	514	582
			-262	-195	-127	-60	6	73	140	208	275	342	409
150	240.00	bu	-29	42	114	186	258	330	402	474	546	618	690
			-201	-129	-57	14	86	158	230	302	374	446	518

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 43.A Estimated costs per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Clearpath	oz	4.46	9.6000	42.82	_____
Newpath	oz	4.50	6.0000	27.00	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Clearfield	lb	1.28	65.0000	83.20	_____
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_____
Rice Seed CF(Levees)	lb	1.30	12.0000	15.60	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_____
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	21.9949	62.91	_____
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	_____
Tractors	acre	5.70	1.0000	5.70	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	30.85	1.0000	30.85	_____

TOTAL DIRECT EXPENSES				1011.93	_____
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	_____
Tractors	acre	44.11	1.0000	44.11	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.37	1.0000	92.37	_____

TOTAL FIXED EXPENSES				196.69	_____

TOTAL SPECIFIED EXPENSES				1208.62	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 43.B Summary of estimated costs and returns per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_____

TOTAL INCOME				960.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	156.88	1.0000	156.88	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	121.13	1.0000	121.13	_____
ADJUVANTS	acre	19.52	1.0000	19.52	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	48.00	1.0000	48.00	_____
DRYING	acre	64.00	1.0000	64.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_____
OPERATOR LABOR	hour	18.69	0.6099	11.41	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	31.6056	90.39	_____
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_____
INTEREST ON OP. CAP.	acre	30.85	1.0000	30.85	_____

TOTAL DIRECT EXPENSES				1011.93	_____
RETURNS ABOVE DIRECT EXPENSES				-51.93	_____
TOTAL FIXED EXPENSES				196.69	_____

TOTAL SPECIFIED EXPENSES				1208.62	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-248.62	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 43.C Estimated resource use for field operations, per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Clearfield	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Clearpath	oz					9.6000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.60	0.60	4.01	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 43.D Estimated costs for field operations, per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Clearfield	lb	83.20					3.43	86.63		86.63
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CF(Levees)	lb	15.60					0.64	16.24		16.24
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Clearpath	oz	42.82					1.77	44.59		44.59
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Newpath	oz	27.00					0.93	27.93		27.93
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		802.54	90.39	36.93	51.22	0.00	30.85	1011.93	196.69	1208.62

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 43.E Estimated monthly income and expense flows per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	88.47	38.01	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	121.13	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.49	8.50	3.80	2.60	1.91	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	290.31	255.16	142.23	128.03	141.03	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-290.31	-255.16	-142.23	-128.03	818.97	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-328.25	-583.41	-725.64	-853.67	-34.70	-51.93

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs

Table 43.F Estimated returns for various price/yield combinations, per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-595	-571	-547	-523	-499	-475	-451	-427	-403	-379	-355
			-791	-767	-743	-719	-695	-671	-647	-623	-599	-575	-551
60	96.00	bu	-534	-505	-476	-448	-419	-390	-361	-332	-304	-275	-246
			-731	-702	-673	-644	-616	-587	-558	-529	-500	-472	-443
70	112.00	bu	-473	-440	-406	-373	-339	-305	-272	-238	-205	-171	-137
			-670	-636	-603	-569	-536	-502	-468	-435	-401	-368	-334
80	128.00	bu	-413	-374	-336	-298	-259	-221	-182	-144	-106	-67	-29
			-609	-571	-533	-494	-456	-417	-379	-341	-302	-264	-225
90	144.00	bu	-352	-309	-266	-222	-179	-136	-93	-50	-6	36	79
			-549	-506	-462	-419	-376	-333	-290	-246	-203	-160	-117
100	160.00	bu	-291	-243	-195	-147	-99	-51	-3	44	92	140	188
			-488	-440	-392	-344	-296	-248	-200	-152	-104	-56	-8
110	176.00	bu	-231	-178	-125	-72	-20	32	85	138	191	243	296
			-427	-375	-322	-269	-216	-163	-111	-58	-5	47	100
120	192.00	bu	-170	-113	-55	2	59	117	174	232	290	347	405
			-367	-309	-252	-194	-136	-79	-21	35	93	151	208
130	208.00	bu	-109	-47	14	77	139	202	264	326	389	451	514
			-306	-244	-181	-119	-57	5	67	130	192	254	317
140	224.00	bu	-49	17	85	152	219	286	353	421	488	555	622
			-246	-178	-111	-44	22	89	157	224	291	358	425
150	240.00	bu	11	83	155	227	299	371	443	515	587	659	731
			-185	-113	-41	30	102	174	246	318	390	462	534

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 44.A Estimated costs per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Clearpath	oz	4.46	9.6000	42.82	_____
Newpath	oz	4.50	6.0000	27.00	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Rice Seed Clearfield	lb	1.28	65.0000	83.20	_____
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_____
Rice Seed CF(Levees)	lb	1.30	12.0000	15.60	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_____
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_____
Implements	hour	9.06	0.0375	0.34	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	18.7364	53.59	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	5.88	1.0000	5.88	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	13.96	1.0000	13.96	_____
INTEREST ON OP. CAP.	acre	30.60	1.0000	30.60	_____

TOTAL DIRECT EXPENSES				1000.44	_____
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_____
Tractors	acre	45.59	1.0000	45.59	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.02	1.0000	92.02	_____

TOTAL FIXED EXPENSES				198.84	_____

TOTAL SPECIFIED EXPENSES				1199.28	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 44.B Summary of estimated costs and returns per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_____
TOTAL INCOME				960.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	156.88	1.0000	156.88	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	121.13	1.0000	121.13	_____
ADJUVANTS	acre	19.52	1.0000	19.52	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	48.00	1.0000	48.00	_____
DRYING	acre	64.00	1.0000	64.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_____
OPERATOR LABOR	hour	18.69	0.6381	11.94	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	28.5932	81.77	_____
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_____
INTEREST ON OP. CAP.	acre	30.60	1.0000	30.60	_____
TOTAL DIRECT EXPENSES				1000.44	_____
RETURNS ABOVE DIRECT EXPENSES				-40.44	_____
TOTAL FIXED EXPENSES				198.84	_____
TOTAL SPECIFIED EXPENSES				1199.28	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-239.28	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 44.C Estimated resource use for field operations, per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Clearfield	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Clearpath	oz					9.6000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
							-------	-------	-------	-------
TOTALS							0.63	0.63	2.82	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 44.D Estimated costs for field operations, per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Clearfield	lb	83.20					3.43	86.63		86.63
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CF(Levees)	lb	15.60					0.64	16.24		16.24
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Clearpath	oz	42.82					1.77	44.59		44.59
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Newpath	oz	27.00					0.93	27.93		27.93
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		810.46	81.77	36.86	40.75	0.00	30.60	1000.44	198.84	1199.28

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 44.E Estimated monthly income and expense flows per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	88.47	38.01	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	121.13	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.66	8.31	3.66	2.50	1.92	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	294.64	249.84	136.96	122.80	141.03	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-294.64	-249.84	-136.96	-122.80	818.97	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-332.58	-582.42	-719.38	-842.18	-23.21	-40.44

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 44.F Estimated returns for various price/yield combinations, per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-583	-559	-535	-511	-487	-463	-439	-415	-391	-367	-343
			-782	-758	-734	-710	-686	-662	-638	-614	-590	-566	-542
60	96.00	bu	-523	-494	-465	-436	-407	-379	-350	-321	-292	-263	-235
			-721	-693	-664	-635	-606	-577	-549	-520	-491	-462	-433
70	112.00	bu	-462	-428	-395	-361	-327	-294	-260	-227	-193	-159	-126
			-661	-627	-594	-560	-526	-493	-459	-426	-392	-358	-325
80	128.00	bu	-401	-363	-324	-286	-248	-209	-171	-132	-94	-56	-17
			-600	-562	-523	-485	-446	-408	-370	-331	-293	-254	-216
90	144.00	bu	-341	-297	-254	-211	-168	-125	-81	-38	4	47	90
			-539	-496	-453	-410	-367	-323	-280	-237	-194	-151	-107
100	160.00	bu	-280	-232	-184	-136	-88	-40	7	55	103	151	199
			-479	-431	-383	-335	-287	-239	-191	-143	-95	-47	0
110	176.00	bu	-219	-166	-114	-61	-8	44	97	149	202	255	308
			-418	-365	-313	-260	-207	-154	-101	-49	3	56	109
120	192.00	bu	-159	-101	-43	13	71	128	186	244	301	359	416
			-357	-300	-242	-185	-127	-69	-12	45	102	160	218
130	208.00	bu	-98	-36	26	88	151	213	275	338	400	463	525
			-297	-234	-172	-110	-47	14	77	139	201	264	326
140	224.00	bu	-37	29	96	163	230	298	365	432	499	566	634
			-236	-169	-102	-35	32	99	166	233	300	368	435
150	240.00	bu	22	94	166	238	310	382	454	526	598	670	742
			-176	-104	-32	39	111	183	255	327	399	471	543

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 45.A Estimated costs per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Clearpath	oz	4.46	9.6000	42.82	_____
Newpath	oz	4.50	6.0000	27.00	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Clearfield	lb	1.28	65.0000	83.20	_____
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_____
Rice Seed CF(Levees)	lb	1.30	12.0000	15.60	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_____
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	15.4779	44.27	_____
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_____
Tractors	acre	5.17	1.0000	5.17	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	11.80	1.0000	11.80	_____
INTEREST ON OP. CAP.	acre	29.59	1.0000	29.59	_____

TOTAL DIRECT EXPENSES				971.23	_____
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_____
Tractors	acre	40.06	1.0000	40.06	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	91.67	1.0000	91.67	_____

TOTAL FIXED EXPENSES				191.10	_____

TOTAL SPECIFIED EXPENSES				1162.33	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 45.B Summary of estimated costs and returns per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_____

TOTAL INCOME				960.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	156.88	1.0000	156.88	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	121.13	1.0000	121.13	_____
ADJUVANTS	acre	19.52	1.0000	19.52	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	48.00	1.0000	48.00	_____
DRYING	acre	64.00	1.0000	64.00	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_____
OPERATOR LABOR	hour	18.69	0.5328	9.97	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	24.4137	69.82	_____
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_____
INTEREST ON OP. CAP.	acre	29.59	1.0000	29.59	_____

TOTAL DIRECT EXPENSES				971.23	_____
RETURNS ABOVE DIRECT EXPENSES				-11.23	_____
TOTAL FIXED EXPENSES				191.10	_____

TOTAL SPECIFIED EXPENSES				1162.33	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-202.33	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 45.C Estimated resource use for field operations, per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Clearfield	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Clearpath	oz					9.6000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
							-------	-------	-------	-------
TOTALS							0.53	0.53	2.61	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 45.D Estimated costs for field operations, per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Clearfield	lb	83.20					3.43	86.63		86.63
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CF(Levees)	lb	15.60					0.64	16.24		16.24
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Clearpath	oz	42.82					1.77	44.59		44.59
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Newpath	oz	27.00					0.93	27.93		27.93
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		800.29	69.82	33.74	37.79	0.00	29.59	971.23	191.10	1162.33

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 45.E Estimated monthly income and expense flows per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	88.47	38.01	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	121.13	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.89	8.23	3.59	2.45	1.88	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	275.15	247.34	134.47	120.33	138.77	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-275.15	-247.34	-134.47	-120.33	821.23	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-313.09	-560.43	-694.90	-815.23	6.00	-11.23

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs

Table 45.F Estimated returns for various price/yield combinations, per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-554	-530	-506	-482	-458	-434	-410	-386	-362	-338	-314
			-745	-721	-697	-673	-649	-625	-601	-577	-553	-529	-505
60	96.00	bu	-493	-465	-436	-407	-378	-349	-321	-292	-263	-234	-205
			-684	-656	-627	-598	-569	-540	-512	-483	-454	-425	-396
70	112.00	bu	-433	-399	-365	-332	-298	-265	-231	-197	-164	-130	-97
			-624	-590	-557	-523	-489	-456	-422	-389	-355	-321	-288
80	128.00	bu	-372	-334	-295	-257	-218	-180	-142	-103	-65	-26	11
			-563	-525	-486	-448	-410	-371	-333	-294	-256	-218	-179
90	144.00	bu	-311	-268	-225	-182	-139	-95	-52	-9	33	76	120
			-502	-459	-416	-373	-330	-286	-243	-200	-157	-114	-70
100	160.00	bu	-251	-203	-155	-107	-59	-11	36	84	132	180	228
			-442	-394	-346	-298	-250	-202	-154	-106	-58	-10	37
110	176.00	bu	-190	-137	-84	-32	20	73	126	179	231	284	337
			-381	-328	-276	-223	-170	-117	-64	-12	40	93	146
120	192.00	bu	-129	-72	-14	42	100	158	215	273	330	388	446
			-321	-263	-205	-148	-90	-33	24	82	139	197	254
130	208.00	bu	-69	-6	55	117	180	242	305	367	429	492	554
			-260	-197	-135	-73	-10	51	114	176	238	301	363
140	224.00	bu	-8	58	125	192	260	327	394	461	528	596	663
			-199	-132	-65	1	69	136	203	270	337	405	472
150	240.00	bu	52	124	196	268	340	412	484	556	628	700	772
			-139	-67	4	76	148	220	292	364	436	508	580

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 46.A Estimated costs per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	2.1000	15.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Preface	oz	0.55	11.0000	6.05	_____
Facet L	pt	17.36	2.0000	34.72	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	14.4000	17.14	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Fullpage Hyb Tr	lb	6.34	23.0000	145.82	_____
Rice Seed FPH(Levee)	lb	6.34	4.2500	26.95	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	26.8827	76.89	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	6.02	1.0000	6.02	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	32.86	1.0000	32.86	_____

TOTAL DIRECT EXPENSES				1066.18	_____
FIXED EXPENSES					
Implements	acre	30.08	1.0000	30.08	_____
Tractors	acre	46.61	1.0000	46.61	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	59.44	1.0000	59.44	_____

TOTAL FIXED EXPENSES				166.96	_____

TOTAL SPECIFIED EXPENSES				1233.14	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 46.B Summary of estimated costs and returns per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	53.43	1.0000	53.43	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	127.83	1.0000	127.83	_____
INSECTICIDES	acre	18.95	1.0000	18.95	_____
SEED/PLANTS	acre	174.00	1.0000	174.00	_____
ADJUVANTS	acre	19.19	1.0000	19.19	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_____
OPERATOR LABOR	hour	18.69	0.6575	12.29	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	36.9100	105.55	_____
REPAIR & MAINTENANCE	acre	37.35	1.0000	37.35	_____
INTEREST ON OP. CAP.	acre	32.86	1.0000	32.86	_____
TOTAL DIRECT EXPENSES				1066.18	_____
RETURNS ABOVE DIRECT EXPENSES				13.82	_____
TOTAL FIXED EXPENSES				166.96	_____
TOTAL SPECIFIED EXPENSES				1233.14	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-153.14	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 46.C Estimated resource use for field operations, per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Fullpage Hyb Tr	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed FPH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Preface	oz					5.0000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.80	Jul	1.8000				
Tenchu SG	oz					14.4000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.65	0.65	5.21	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 46.D Estimated costs for field operations, per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Fullpage Hyb Tr	lb	145.82					6.02	151.84		151.84
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed FPH(Levee)	lb	26.95					1.11	28.06		28.06
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Preface	oz	2.75					0.11	2.86		2.86
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	13.50					0.28	13.78		13.78
Tenchu SG	oz	17.14					0.35	17.49		17.49
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		827.88	105.55	37.35	62.54	0.00	32.86	1066.18	166.96	1233.14

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 46.E Estimated monthly income and expense flows per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	15.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	83.12	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.95	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	7.71	8.61	8.61	10.15	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	8.51	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	9.52	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	13.74	8.18	4.00	2.28	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	347.05	245.81	149.47	112.39	156.29	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-347.05	-245.81	-149.47	-112.39	923.71	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-384.99	-630.80	-780.27	-892.66	31.05	13.82

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 46.F Estimated returns for various price/yield combinations, per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-597	-570	-543	-516	-489	-462	-435	-408	-381	-354	-327
			-764	-737	-710	-683	-656	-629	-602	-575	-548	-521	-494
60	108.00	bu	-529	-496	-464	-431	-399	-367	-334	-302	-269	-237	-205
			-696	-663	-631	-598	-566	-534	-501	-469	-436	-404	-372
70	126.00	bu	-460	-423	-385	-347	-309	-271	-234	-196	-158	-120	-82
			-627	-590	-552	-514	-476	-438	-401	-363	-325	-287	-249
80	144.00	bu	-392	-349	-306	-263	-219	-176	-133	-90	-47	-3	39
			-559	-516	-473	-429	-386	-343	-300	-257	-213	-170	-127
90	162.00	bu	-324	-275	-227	-178	-130	-81	-32	15	64	112	161
			-491	-442	-394	-345	-296	-248	-199	-151	-102	-53	-5
100	180.00	bu	-256	-202	-148	-94	-40	13	67	121	175	229	283
			-423	-369	-315	-261	-207	-153	-99	-45	8	62	116
110	198.00	bu	-187	-128	-69	-9	49	109	168	227	287	346	406
			-354	-295	-236	-176	-117	-57	1	60	120	179	239
120	216.00	bu	-119	-54	9	74	139	204	269	333	398	463	528
			-286	-221	-157	-92	-27	37	102	166	231	296	361
130	234.00	bu	-51	18	88	159	229	299	369	439	510	580	650
			-218	-148	-78	-7	62	132	202	272	343	413	483
140	252.00	bu	16	92	167	243	319	394	470	545	621	697	772
			-150	-74	0	76	152	227	303	378	454	530	605
150	270.00	bu	84	165	246	327	408	489	570	651	732	813	894
			-82	-1	79	160	241	322	403	484	565	646	727

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 47.A Estimated costs per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Preface	oz	0.55	11.0000	6.05	_____
Facet L	pt	17.36	2.0000	34.72	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Fullpage Hyb Tr	lb	6.34	23.0000	145.82	_____
Rice Seed FPH(Levee)	lb	6.34	4.2500	26.95	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	21.9949	62.91	_____
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	_____
Tractors	acre	5.70	1.0000	5.70	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	31.70	1.0000	31.70	_____

TOTAL DIRECT EXPENSES				1022.25	_____
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	_____
Tractors	acre	44.11	1.0000	44.11	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.37	1.0000	92.37	_____

TOTAL FIXED EXPENSES				196.69	_____

TOTAL SPECIFIED EXPENSES				1218.94	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 47.B Summary of estimated costs and returns per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	127.83	1.0000	127.83	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	174.00	1.0000	174.00	_____
ADJUVANTS	acre	19.19	1.0000	19.19	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_____
OPERATOR LABOR	hour	18.69	0.6099	11.41	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	31.6056	90.39	_____
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_____
INTEREST ON OP. CAP.	acre	31.70	1.0000	31.70	_____
TOTAL DIRECT EXPENSES				1022.25	_____
RETURNS ABOVE DIRECT EXPENSES				57.75	_____
TOTAL FIXED EXPENSES				196.69	_____
TOTAL SPECIFIED EXPENSES				1218.94	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-138.94	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 47.C Estimated resource use for field operations, per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Fullpage Hyb Tr	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed FPH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Preface	oz					5.0000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.60	0.60	4.01	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 47.D Estimated costs for field operations, per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Fullpage Hyb Tr	lb	145.82					6.02	151.84		151.84
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed FPH(Levee)	lb	26.95					1.11	28.06		28.06
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Preface	oz	2.75					0.11	2.86		2.86
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		812.01	90.39	36.93	51.22	0.00	31.70	1022.25	196.69	1218.94

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 47.E Estimated monthly income and expense flows per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	83.12	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	13.45	7.95	3.80	1.85	2.10	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	339.79	238.54	142.23	91.30	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-339.79	-238.54	-142.23	-91.30	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-377.73	-616.27	-758.50	-849.80	74.98	57.75

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 47.F Estimated returns for various price/yield combinations, per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-553	-526	-499	-472	-445	-418	-391	-364	-337	-310	-283
			-750	-723	-696	-669	-642	-615	-588	-561	-534	-507	-480
60	108.00	bu	-485	-452	-420	-387	-355	-323	-290	-258	-225	-193	-161
			-681	-649	-617	-584	-552	-519	-487	-455	-422	-390	-357
70	126.00	bu	-416	-379	-341	-303	-265	-227	-190	-152	-114	-76	-38
			-613	-575	-538	-500	-462	-424	-386	-349	-311	-273	-235
80	144.00	bu	-348	-305	-262	-219	-175	-132	-89	-46	-3	40	83
			-545	-502	-458	-415	-372	-329	-286	-242	-199	-156	-113
90	162.00	bu	-280	-231	-183	-134	-86	-37	11	59	108	156	205
			-477	-428	-379	-331	-282	-234	-185	-136	-88	-39	8
100	180.00	bu	-212	-158	-104	-50	3	57	111	165	219	273	327
			-408	-354	-300	-246	-192	-138	-84	-30	23	77	131
110	198.00	bu	-144	-84	-25	34	93	152	212	271	331	390	449
			-340	-281	-221	-162	-103	-43	15	75	134	193	253
120	216.00	bu	-75	-10	53	118	183	248	313	377	442	507	572
			-272	-207	-142	-78	-13	51	116	181	245	310	375
130	234.00	bu	-7	62	132	203	273	343	413	483	554	624	694
			-204	-134	-63	6	76	146	216	287	357	427	497
140	252.00	bu	60	136	211	287	363	438	514	589	665	741	816
			-136	-60	15	90	166	241	317	393	468	544	619
150	270.00	bu	128	209	290	371	452	533	614	695	776	857	938
			-67	13	94	175	256	337	418	499	580	661	742

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 48.A Estimated costs per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Preface	oz	0.55	11.0000	6.05	_____
Facet L	pt	17.36	2.0000	34.72	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Rice Fullpage Hyb Tr	lb	6.34	23.0000	145.82	_____
Rice Seed FPH(Levee)	lb	6.34	4.2500	26.95	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_____
Implements	hour	9.06	0.0375	0.34	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	18.7364	53.59	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	5.88	1.0000	5.88	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	13.96	1.0000	13.96	_____
INTEREST ON OP. CAP.	acre	31.45	1.0000	31.45	_____

TOTAL DIRECT EXPENSES				1010.76	_____
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_____
Tractors	acre	45.59	1.0000	45.59	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.02	1.0000	92.02	_____

TOTAL FIXED EXPENSES				198.84	_____

TOTAL SPECIFIED EXPENSES				1209.60	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 48.B Summary of estimated costs and returns per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	127.83	1.0000	127.83	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	174.00	1.0000	174.00	_____
ADJUVANTS	acre	19.19	1.0000	19.19	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_____
OPERATOR LABOR	hour	18.69	0.6381	11.94	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	28.5932	81.77	_____
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_____
INTEREST ON OP. CAP.	acre	31.45	1.0000	31.45	_____
TOTAL DIRECT EXPENSES				1010.76	_____
RETURNS ABOVE DIRECT EXPENSES				69.24	_____
TOTAL FIXED EXPENSES				198.84	_____
TOTAL SPECIFIED EXPENSES				1209.60	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-129.60	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 48.C Estimated resource use for field operations, per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Fullpage Hyb Tr	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed FPH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Preface	oz					5.0000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
							---	---	---	---
TOTALS							0.63	0.63	2.82	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 48.D Estimated costs for field operations, per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Fullpage Hyb Tr	lb	145.82					6.02	151.84		151.84
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed FPH(Levee)	lb	26.95					1.11	28.06		28.06
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Preface	oz	2.75					0.11	2.86		2.86
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		819.93	81.77	36.86	40.75	0.00	31.45	1010.76	198.84	1209.60

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 48.E Estimated monthly income and expense flows per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	83.12	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	13.62	7.76	3.66	1.75	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	344.12	233.22	136.96	86.07	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-344.12	-233.22	-136.96	-86.07	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-382.06	-615.28	-752.24	-838.31	86.47	69.24

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 48.F Estimated returns for various price/yield combinations, per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-541	-514	-487	-460	-433	-406	-379	-352	-325	-298	-271
			-740	-713	-686	-659	-632	-605	-578	-551	-524	-497	-470
60	108.00	bu	-473	-441	-408	-376	-344	-311	-279	-246	-214	-182	-149
			-672	-640	-607	-575	-542	-510	-478	-445	-413	-380	-348
70	126.00	bu	-405	-367	-329	-292	-254	-216	-178	-140	-103	-65	-27
			-604	-566	-528	-490	-453	-415	-377	-339	-301	-264	-226
80	144.00	bu	-337	-294	-250	-207	-164	-121	-78	-34	8	51	94
			-536	-492	-449	-406	-363	-320	-276	-233	-190	-147	-104
90	162.00	bu	-268	-220	-171	-123	-74	-25	22	71	119	168	217
			-467	-419	-370	-322	-273	-224	-176	-127	-79	-30	18
100	180.00	bu	-200	-146	-92	-38	15	69	123	177	231	285	339
			-399	-345	-291	-237	-183	-129	-75	-21	32	86	140
110	198.00	bu	-132	-73	-13	45	105	164	223	283	342	402	461
			-331	-271	-212	-153	-93	-34	25	84	143	203	262
120	216.00	bu	-64	0	65	130	194	259	324	389	454	518	583
			-263	-198	-133	-68	-3	60	125	190	255	320	384
130	234.00	bu	3	74	144	214	284	354	425	495	565	635	705
			-194	-124	-54	15	85	156	226	296	366	436	507
140	252.00	bu	72	147	223	298	374	450	525	601	676	752	828
			-126	-51	24	100	175	251	326	402	478	553	629
150	270.00	bu	140	221	302	383	464	545	626	707	788	869	950
			-58	22	103	184	265	346	427	508	589	670	751

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 49.A Estimated costs per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Preface	oz	0.55	11.0000	6.05	_____
Facet L	pt	17.36	2.0000	34.72	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Fullpage Hyb Tr	lb	6.34	23.0000	145.82	_____
Rice Seed FPH(Levee)	lb	6.34	4.2500	26.95	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	15.4779	44.27	_____
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_____
Tractors	acre	5.17	1.0000	5.17	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	11.80	1.0000	11.80	_____
INTEREST ON OP. CAP.	acre	30.44	1.0000	30.44	_____

TOTAL DIRECT EXPENSES				981.55	_____
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_____
Tractors	acre	40.06	1.0000	40.06	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	91.67	1.0000	91.67	_____

TOTAL FIXED EXPENSES				191.10	_____

TOTAL SPECIFIED EXPENSES				1172.65	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 49.B Summary of estimated costs and returns per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	127.83	1.0000	127.83	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	174.00	1.0000	174.00	_____
ADJUVANTS	acre	19.19	1.0000	19.19	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_____
OPERATOR LABOR	hour	18.69	0.5328	9.97	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	24.4137	69.82	_____
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_____
INTEREST ON OP. CAP.	acre	30.44	1.0000	30.44	_____
TOTAL DIRECT EXPENSES				981.55	_____
RETURNS ABOVE DIRECT EXPENSES				98.45	_____
TOTAL FIXED EXPENSES				191.10	_____
TOTAL SPECIFIED EXPENSES				1172.65	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-92.65	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 49.C Estimated resource use for field operations, per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Fullpage Hyb Tr	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed FPH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Preface	oz					5.0000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
							-------	-------	-------	-------
TOTALS							0.53	0.53	2.61	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 49.D Estimated costs for field operations, per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Fullpage Hyb Tr	lb	145.82					6.02	151.84		151.84
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed FPH(Levee)	lb	26.95					1.11	28.06		28.06
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Preface	oz	2.75					0.11	2.86		2.86
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		809.76	69.82	33.74	37.79	0.00	30.44	981.55	191.10	1172.65

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 49.E Estimated monthly income and expense flows per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	83.12	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	12.85	7.68	3.59	1.70	2.07	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	324.63	230.72	134.47	83.60	152.96	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-324.63	-230.72	-134.47	-83.60	927.04	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-362.57	-593.29	-727.76	-811.36	115.68	98.45

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 49.F Estimated returns for various price/yield combinations, per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-512	-485	-458	-431	-404	-377	-350	-323	-296	-269	-242
			-703	-676	-649	-622	-595	-568	-541	-514	-487	-460	-433
60	108.00	bu	-444	-412	-379	-347	-314	-282	-250	-217	-185	-152	-120
			-635	-603	-570	-538	-505	-473	-441	-408	-376	-343	-311
70	126.00	bu	-376	-338	-300	-262	-225	-187	-149	-111	-73	-36	1
			-567	-529	-491	-453	-416	-378	-340	-302	-264	-227	-189
80	144.00	bu	-308	-264	-221	-178	-135	-92	-48	-5	37	80	123
			-499	-455	-412	-369	-326	-283	-239	-196	-153	-110	-67
90	162.00	bu	-239	-191	-142	-93	-45	3	51	100	149	197	246
			-430	-382	-333	-285	-236	-187	-139	-90	-42	6	55
100	180.00	bu	-171	-117	-63	-9	44	98	152	206	260	314	368
			-362	-308	-254	-200	-146	-92	-38	15	69	123	177
110	198.00	bu	-103	-43	15	74	134	193	253	312	371	431	490
			-294	-235	-175	-116	-56	2	61	121	180	240	299
120	216.00	bu	-35	29	94	159	224	288	353	418	483	548	612
			-226	-161	-96	-31	33	97	162	227	292	357	421
130	234.00	bu	33	103	173	243	313	384	454	524	594	664	735
			-157	-87	-17	52	122	193	263	333	403	473	544
140	252.00	bu	101	176	252	328	403	479	554	630	706	781	857
			-89	-14	61	137	212	288	363	439	515	590	666
150	270.00	bu	169	250	331	412	493	574	655	736	817	898	979
			-21	59	140	221	302	383	464	545	626	707	788

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 50.A Estimated costs per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	2.1000	15.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
HighCard	oz	1.14	15.5000	17.67	_____
Facet L	pt	17.36	2.0000	34.72	_____
Preface	oz	0.55	6.0000	3.30	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	14.4000	17.14	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Max-Ace	lb	8.89	26.7500	237.81	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	26.8827	76.89	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	6.02	1.0000	6.02	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	36.16	1.0000	36.16	_____

TOTAL DIRECT EXPENSES				1149.44	_____
FIXED EXPENSES					
Implements	acre	30.08	1.0000	30.08	_____
Tractors	acre	46.61	1.0000	46.61	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	59.44	1.0000	59.44	_____

TOTAL FIXED EXPENSES				166.96	_____

TOTAL SPECIFIED EXPENSES				1316.40	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 50.B Summary of estimated costs and returns per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	53.43	1.0000	53.43	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	142.75	1.0000	142.75	_____
INSECTICIDES	acre	18.95	1.0000	18.95	_____
SEED/PLANTS	acre	239.04	1.0000	239.04	_____
ADJUVANTS	acre	19.19	1.0000	19.19	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_____
OPERATOR LABOR	hour	18.69	0.6575	12.29	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	36.9100	105.55	_____
REPAIR & MAINTENANCE	acre	37.35	1.0000	37.35	_____
INTEREST ON OP. CAP.	acre	36.16	1.0000	36.16	_____
TOTAL DIRECT EXPENSES				1149.44	_____
RETURNS ABOVE DIRECT EXPENSES				-69.44	_____
TOTAL FIXED EXPENSES				166.96	_____
TOTAL SPECIFIED EXPENSES				1316.40	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-236.40	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 50.C Estimated resource use for field operations, per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Max-Ace	lb					22.5000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Max-Ace	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
HighCard	oz					15.5000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.80	Jul	1.8000				
Tenchu SG	oz					14.4000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.65	0.65	5.21	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 50.D Estimated costs for field operations, per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Max-Ace	lb	200.03					8.25	208.28		208.28
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Max-Ace	lb	37.78					1.56	39.34		39.34
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
HighCard	oz	17.67					0.73	18.40		18.40
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	13.50					0.28	13.78		13.78
Tenchu SG	oz	17.14					0.35	17.49		17.49
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		907.84	105.55	37.35	62.54	0.00	36.16	1149.44	166.96	1316.40

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 50.E Estimated monthly income and expense flows per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	15.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	98.04	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.95	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	239.04	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	7.71	8.61	8.61	10.15	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	8.51	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	9.52	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	17.04	8.18	4.00	2.28	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	430.31	245.81	149.47	112.39	156.29	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-430.31	-245.81	-149.47	-112.39	923.71	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-468.25	-714.06	-863.53	-975.92	-52.21	-69.44

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 50.F Estimated returns for various price/yield combinations, per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-680	-653	-626	-599	-572	-545	-518	-491	-464	-437	-410
			-847	-820	-793	-766	-739	-712	-685	-658	-631	-604	-577
60	108.00	bu	-612	-579	-547	-515	-482	-450	-417	-385	-353	-320	-288
			-779	-746	-714	-682	-649	-617	-584	-552	-520	-487	-455
70	126.00	bu	-544	-506	-468	-430	-392	-355	-317	-279	-241	-203	-166
			-711	-673	-635	-597	-559	-522	-484	-446	-408	-370	-333
80	144.00	bu	-475	-432	-389	-346	-303	-259	-216	-173	-130	-87	-43
			-642	-599	-556	-513	-470	-426	-383	-340	-297	-254	-210
90	162.00	bu	-407	-359	-310	-261	-213	-164	-116	-67	-18	29	78
			-574	-526	-477	-428	-380	-331	-283	-234	-185	-137	-88
100	180.00	bu	-339	-285	-231	-177	-123	-69	-15	38	92	146	200
			-506	-452	-398	-344	-290	-236	-182	-128	-74	-20	33
110	198.00	bu	-271	-211	-152	-93	-33	25	85	144	203	263	322
			-438	-378	-319	-259	-200	-141	-81	-22	37	96	155
120	216.00	bu	-202	-138	-73	-8	56	121	185	250	315	380	445
			-369	-305	-240	-175	-110	-45	18	83	148	213	278
130	234.00	bu	-134	-64	5	75	146	216	286	356	426	497	567
			-301	-231	-161	-91	-20	49	119	189	259	330	400
140	252.00	bu	-66	9	84	160	235	311	387	462	538	613	689
			-233	-157	-82	-6	68	144	220	295	371	446	522
150	270.00	bu	1	82	163	244	325	406	487	568	649	730	811
			-165	-84	-3	77	158	239	320	401	482	563	644

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 51.A Estimated costs per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
HighCard	oz	1.14	15.5000	17.67	_____
Facet L	pt	17.36	2.0000	34.72	_____
Preface	oz	0.55	6.0000	3.30	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Max-Ace	lb	8.89	26.7500	237.81	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	21.9949	62.91	_____
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	_____
Tractors	acre	5.70	1.0000	5.70	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	35.00	1.0000	35.00	_____

TOTAL DIRECT EXPENSES				1105.51	_____
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	_____
Tractors	acre	44.11	1.0000	44.11	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.37	1.0000	92.37	_____

TOTAL FIXED EXPENSES				196.69	_____

TOTAL SPECIFIED EXPENSES				1302.20	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 51.B Summary of estimated costs and returns per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	142.75	1.0000	142.75	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	239.04	1.0000	239.04	_____
ADJUVANTS	acre	19.19	1.0000	19.19	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_____
OPERATOR LABOR	hour	18.69	0.6099	11.41	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	31.6056	90.39	_____
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_____
INTEREST ON OP. CAP.	acre	35.00	1.0000	35.00	_____
TOTAL DIRECT EXPENSES				1105.51	_____
RETURNS ABOVE DIRECT EXPENSES				-25.51	_____
TOTAL FIXED EXPENSES				196.69	_____
TOTAL SPECIFIED EXPENSES				1302.20	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-222.20	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 51.C Estimated resource use for field operations, per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Max-Ace	lb					22.5000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Max-Ace	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
HighCard	oz					15.5000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.60	0.60	4.01	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 51.D Estimated costs for field operations, per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Max-Ace	lb	200.03					8.25	208.28		208.28
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Max-Ace	lb	37.78					1.56	39.34		39.34
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
HighCard	oz	17.67					0.73	18.40		18.40
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		891.97	90.39	36.93	51.22	0.00	35.00	1105.51	196.69	1302.20

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 51.E Estimated monthly income and expense flows per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	98.04	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	239.04	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	16.75	7.95	3.80	1.85	2.10	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	423.05	238.54	142.23	91.30	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-423.05	-238.54	-142.23	-91.30	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-460.99	-699.53	-841.76	-933.06	-8.28	-25.51

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 51.F Estimated returns for various price/yield combinations, per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-636	-609	-582	-555	-528	-501	-474	-447	-420	-393	-366
			-833	-806	-779	-752	-725	-698	-671	-644	-617	-590	-563
60	108.00	bu	-568	-536	-503	-471	-438	-406	-374	-341	-309	-276	-244
			-765	-732	-700	-667	-635	-603	-570	-538	-505	-473	-441
70	126.00	bu	-500	-462	-424	-386	-348	-311	-273	-235	-197	-159	-122
			-696	-659	-621	-583	-545	-507	-470	-432	-394	-356	-318
80	144.00	bu	-431	-388	-345	-302	-259	-215	-172	-129	-86	-43	0
			-628	-585	-542	-499	-455	-412	-369	-326	-283	-239	-196
90	162.00	bu	-363	-315	-266	-217	-169	-120	-72	-23	25	73	122
			-560	-511	-463	-414	-366	-317	-268	-220	-171	-123	-74
100	180.00	bu	-295	-241	-187	-133	-79	-25	28	82	136	190	244
			-492	-438	-384	-330	-276	-222	-168	-114	-60	-6	47
110	198.00	bu	-227	-167	-108	-49	10	69	129	188	247	307	366
			-423	-364	-305	-245	-186	-126	-67	-8	51	110	170
120	216.00	bu	-159	-94	-29	35	100	164	229	294	359	424	488
			-355	-290	-226	-161	-96	-31	33	97	162	227	292
130	234.00	bu	-90	-20	49	119	189	260	330	400	470	540	611
			-287	-217	-147	-76	-6	63	133	203	274	344	414
140	252.00	bu	-22	52	128	204	279	355	430	506	582	657	733
			-219	-143	-68	7	83	158	234	309	385	461	536
150	270.00	bu	45	126	207	288	369	450	531	612	693	774	855
			-151	-70	10	91	172	253	334	415	496	577	658

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 52.A Estimated costs per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
HighCard	oz	1.14	15.5000	17.67	_____
Facet L	pt	17.36	2.0000	34.72	_____
Preface	oz	0.55	6.0000	3.30	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Rice Seed Max-Ace	lb	8.89	26.7500	237.81	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_____
Implements	hour	9.06	0.0375	0.34	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	18.7364	53.59	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	5.88	1.0000	5.88	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	13.96	1.0000	13.96	_____
INTEREST ON OP. CAP.	acre	34.75	1.0000	34.75	_____

TOTAL DIRECT EXPENSES				1094.02	_____
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_____
Tractors	acre	45.59	1.0000	45.59	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.02	1.0000	92.02	_____

TOTAL FIXED EXPENSES				198.84	_____

TOTAL SPECIFIED EXPENSES				1292.86	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 52.B Summary of estimated costs and returns per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	142.75	1.0000	142.75	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	239.04	1.0000	239.04	_____
ADJUVANTS	acre	19.19	1.0000	19.19	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_____
OPERATOR LABOR	hour	18.69	0.6381	11.94	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	28.5932	81.77	_____
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_____
INTEREST ON OP. CAP.	acre	34.75	1.0000	34.75	_____
TOTAL DIRECT EXPENSES				1094.02	_____
RETURNS ABOVE DIRECT EXPENSES				-14.02	_____
TOTAL FIXED EXPENSES				198.84	_____
TOTAL SPECIFIED EXPENSES				1292.86	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-212.86	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 52.C Estimated resource use for field operations, per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Max-Ace	lb					22.5000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Max-Ace	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
HighCard	oz					15.5000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 52.D Estimated costs for field operations, per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Max-Ace	lb	200.03					8.25	208.28		208.28
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Max-Ace	lb	37.78					1.56	39.34		39.34
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
HighCard	oz	17.67					0.73	18.40		18.40
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		899.89	81.77	36.86	40.75	0.00	34.75	1094.02	198.84	1292.86

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 52.E Estimated monthly income and expense flows per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	98.04	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	239.04	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	16.92	7.76	3.66	1.75	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	427.38	233.22	136.96	86.07	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-427.38	-233.22	-136.96	-86.07	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-465.32	-698.54	-835.50	-921.57	3.21	-14.02

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 52.F Estimated returns for various price/yield combinations, per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-625	-598	-571	-544	-517	-490	-463	-436	-409	-382	-355
			-823	-796	-769	-742	-715	-688	-661	-634	-607	-580	-553
60	108.00	bu	-556	-524	-492	-459	-427	-394	-362	-330	-297	-265	-232
			-755	-723	-690	-658	-626	-593	-561	-528	-496	-464	-431
70	126.00	bu	-488	-450	-413	-375	-337	-299	-261	-224	-186	-148	-110
			-687	-649	-611	-574	-536	-498	-460	-422	-385	-347	-309
80	144.00	bu	-420	-377	-334	-290	-247	-204	-161	-118	-74	-31	11
			-619	-576	-532	-489	-446	-403	-360	-316	-273	-230	-187
90	162.00	bu	-352	-303	-255	-206	-157	-109	-60	-12	36	85	133
			-551	-502	-453	-405	-356	-308	-259	-210	-162	-113	-65
100	180.00	bu	-284	-230	-176	-122	-68	-14	39	93	147	201	255
			-482	-428	-374	-320	-266	-212	-158	-104	-50	3	57
110	198.00	bu	-215	-156	-96	-37	21	81	140	200	259	318	378
			-414	-355	-295	-236	-177	-117	-58	1	60	119	179
120	216.00	bu	-147	-82	-17	46	111	176	241	306	370	435	500
			-346	-281	-216	-152	-87	-22	42	107	171	236	301
130	234.00	bu	-79	-9	61	131	201	271	341	412	482	552	622
			-278	-207	-137	-67	2	72	143	213	283	353	423
140	252.00	bu	-11	64	140	215	291	366	442	518	593	669	744
			-209	-134	-58	16	92	168	243	319	394	470	546
150	270.00	bu	57	138	219	300	381	462	543	624	705	786	867
			-141	-60	20	101	182	263	344	425	506	587	668

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 53.A Estimated costs per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_____
NBPT	pt	18.00	0.8000	14.40	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
HighCard	oz	1.14	15.5000	17.67	_____
Facet L	pt	17.36	2.0000	34.72	_____
Preface	oz	0.55	6.0000	3.30	_____
Aim	oz	7.34	1.5000	11.01	_____
Clincher SF	oz	2.69	7.5000	20.18	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Max-Ace	lb	8.89	26.7500	237.81	_____
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_____
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_____
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_____
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	15.4779	44.27	_____
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_____
Tractors	acre	5.17	1.0000	5.17	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	11.80	1.0000	11.80	_____
INTEREST ON OP. CAP.	acre	33.74	1.0000	33.74	_____

TOTAL DIRECT EXPENSES				1064.81	_____
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_____
Tractors	acre	40.06	1.0000	40.06	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	91.67	1.0000	91.67	_____

TOTAL FIXED EXPENSES				191.10	_____

TOTAL SPECIFIED EXPENSES				1255.91	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 53.B Summary of estimated costs and returns per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_____
FERTILIZERS	acre	198.27	1.0000	198.27	_____
HERBICIDES	acre	142.75	1.0000	142.75	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	239.04	1.0000	239.04	_____
ADJUVANTS	acre	19.19	1.0000	19.19	_____
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_____
HAULING	acre	54.00	1.0000	54.00	_____
DRYING	acre	72.00	1.0000	72.00	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_____
OPERATOR LABOR	hour	18.69	0.5328	9.97	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	24.4137	69.82	_____
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_____
INTEREST ON OP. CAP.	acre	33.74	1.0000	33.74	_____
TOTAL DIRECT EXPENSES				1064.81	_____
RETURNS ABOVE DIRECT EXPENSES				15.19	_____
TOTAL FIXED EXPENSES				191.10	_____
TOTAL SPECIFIED EXPENSES				1255.91	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-175.91	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 53.C Estimated resource use for field operations, per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Max-Ace	lb					22.5000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Max-Ace	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
HighCard	oz					15.5000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
TOTALS							0.53	0.53	2.61	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 53.D Estimated costs for field operations, per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Max-Ace	lb	200.03					8.25	208.28		208.28
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Max-Ace	lb	37.78					1.56	39.34		39.34
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
HighCard	oz	17.67					0.73	18.40		18.40
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		889.72	69.82	33.74	37.79	0.00	33.74	1064.81	191.10	1255.91

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 53.E Estimated monthly income and expense flows per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	98.04	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	239.04	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	16.15	7.68	3.59	1.70	2.07	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	407.89	230.72	134.47	83.60	152.96	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-407.89	-230.72	-134.47	-83.60	927.04	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-445.83	-676.55	-811.02	-894.62	32.42	15.19

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 53.F Estimated returns for various price/yield combinations, per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-595	-568	-541	-514	-487	-460	-433	-406	-379	-352	-325
			-787	-760	-733	-706	-679	-652	-625	-598	-571	-544	-517
60	108.00	bu	-527	-495	-462	-430	-398	-365	-333	-300	-268	-236	-203
			-718	-686	-654	-621	-589	-556	-524	-492	-459	-427	-394
70	126.00	bu	-459	-421	-383	-346	-308	-270	-232	-194	-157	-119	-81
			-650	-612	-574	-537	-499	-461	-423	-385	-348	-310	-272
80	144.00	bu	-391	-348	-304	-261	-218	-175	-132	-88	-45	-2	40
			-582	-539	-495	-452	-409	-366	-323	-279	-236	-193	-150
90	162.00	bu	-323	-274	-225	-177	-128	-80	-31	17	65	114	162
			-514	-465	-416	-368	-319	-271	-222	-173	-125	-76	-28
100	180.00	bu	-254	-200	-146	-92	-38	15	69	123	177	231	285
			-445	-391	-337	-283	-229	-175	-121	-67	-13	40	94
110	198.00	bu	-186	-127	-67	-8	51	110	169	229	288	348	407
			-377	-318	-258	-199	-140	-80	-21	38	97	156	216
120	216.00	bu	-118	-53	11	76	140	205	270	335	400	464	529
			-309	-244	-179	-115	-50	14	79	144	208	273	338
130	234.00	bu	-50	20	90	160	230	300	371	441	511	581	651
			-241	-171	-100	-30	39	109	179	250	320	390	460
140	252.00	bu	18	93	169	244	320	396	471	547	622	698	774
			-173	-97	-21	53	129	204	280	356	431	507	582
150	270.00	bu	86	167	248	329	410	491	572	653	734	815	896
			-104	-23	57	138	219	300	381	462	543	624	705

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 54.A Estimated costs per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Provisia	oz	0.92	31.0000	28.52	_____
Aim	oz	7.34	1.0000	7.34	_____
Permit	oz	23.42	0.7500	17.57	_____
Regiment	oz	48.18	0.2500	12.05	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Provisia	lb	1.32	77.0000	101.64	_____
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_____
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	_____
MSO	pt	3.50	0.5000	1.75	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
Dyne-A-Pak	pt	4.17	0.2500	1.04	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	156.0000	46.80	_____
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_____
Harvesters	hour	18.69	0.1269	2.37	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	1.5000	13.59	_____
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_____
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	_____
Harvesters	gal	2.86	2.7765	7.94	_____
Flood Irr.	gal	2.86	26.8827	76.89	_____
REPAIR & MAINTENANCE					
Implements	acre	10.95	1.0000	10.95	_____
Tractors	acre	6.02	1.0000	6.02	_____
Harvesters	acre	7.43	1.0000	7.43	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	30.76	1.0000	30.76	_____

TOTAL DIRECT EXPENSES				1013.30	_____
FIXED EXPENSES					
Implements	acre	30.81	1.0000	30.81	_____
Tractors	acre	46.61	1.0000	46.61	_____
Harvesters	acre	35.58	1.0000	35.58	_____
Flood Irr.	acre	59.44	1.0000	59.44	_____

TOTAL FIXED EXPENSES				172.44	_____

TOTAL SPECIFIED EXPENSES				1185.74	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 54.B Summary of estimated costs and returns per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	156.0000	936.00	_____

TOTAL INCOME				936.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	121.35	1.0000	121.35	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	123.97	1.0000	123.97	_____
ADJUVANTS	acre	17.06	1.0000	17.06	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	46.80	1.0000	46.80	_____
DRYING	acre	62.40	1.0000	62.40	_____
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_____
OPERATOR LABOR	hour	18.69	0.6745	12.60	_____
RICE MGT. LABOR	hour	9.06	1.5000	13.59	_____
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_____
DIESEL FUEL	gal	2.86	37.2802	106.61	_____
REPAIR & MAINTENANCE	acre	38.71	1.0000	38.71	_____
INTEREST ON OP. CAP.	acre	30.76	1.0000	30.76	_____

TOTAL DIRECT EXPENSES				1013.30	_____
RETURNS ABOVE DIRECT EXPENSES				-77.30	_____
TOTAL FIXED EXPENSES				172.44	_____

TOTAL SPECIFIED EXPENSES				1185.74	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-249.74	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 54.C Estimated resource use for field operations, per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Provisia	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Provisia	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Provisia	oz					15.5000				
Aim	oz					1.0000				
Permit	oz					0.7500				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Provisia	oz					15.5000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.30	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Regiment	oz					0.2500				
Dyne-A-Pak	pt					0.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.50	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.50	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (CL)	40' Rigid	425 hp	0.126	1.00	Aug		0.12	0.12	0.12	0.11
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.67	0.67	6.02	0.49

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 54.D Estimated costs for field operations, per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Provisia	lb	85.80					3.54	89.34		89.34
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Seed Levees										
Rice Seed Provisia	lb	15.84					0.65	16.49		16.49
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Provisia	oz	14.26					0.59	14.85		14.85
Aim	oz	7.34					0.30	7.64		7.64
Permit	oz	17.57					0.72	18.29		18.29
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Provisia	oz	14.26					0.49	14.75		14.75
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Rice Management										
RICE MGT. LABOR	hour				2.72		0.09	2.81		2.81
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Regiment	oz	12.05					0.33	12.38		12.38
Dyne-A-Pak	pt	1.04					0.03	1.07		1.07
Rice Management										
RICE MGT. LABOR	hour				4.53		0.12	4.65		4.65
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				4.53		0.09	4.62		4.62
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (CL)	40' Rigid		7.94	10.20	4.50		0.31	22.95	41.05	64.00
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	46.80					0.64	47.44		47.44
Dry Rice	bu	62.40					0.86	63.26		63.26
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		766.84	106.61	38.71	70.38	0.00	30.76	1013.30	172.44	1185.74

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 54.E Estimated monthly income and expense flows per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	936.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	84.82	14.26	12.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	123.97	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	1.04	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	9.52	11.33	11.33	10.74	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	9.57	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	10.88	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.74	7.97	3.78	2.80	1.92	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	296.72	239.73	141.38	137.99	142.31	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-296.72	-239.73	-141.38	-137.99	793.69	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-334.66	-574.39	-715.77	-853.76	-60.07	-77.30

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 54.F Estimated returns for various price/yield combinations, per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-606	-583	-560	-536	-513	-489	-466	-443	-419	-396	-372
			-779	-755	-732	-709	-685	-662	-638	-615	-592	-568	-545
60	93.60	bu	-547	-519	-491	-463	-435	-407	-379	-351	-323	-295	-267
			-720	-692	-664	-636	-607	-579	-551	-523	-495	-467	-439
70	109.20	bu	-488	-455	-423	-390	-357	-324	-292	-259	-226	-193	-161
			-661	-628	-595	-562	-530	-497	-464	-431	-399	-366	-333
80	124.80	bu	-429	-392	-354	-317	-279	-242	-204	-167	-130	-92	-55
			-602	-564	-527	-489	-452	-414	-377	-339	-302	-265	-227
90	140.40	bu	-370	-328	-286	-244	-201	-159	-117	-75	-33	8	50
			-542	-500	-458	-416	-374	-332	-290	-248	-205	-163	-121
100	156.00	bu	-311	-264	-217	-170	-124	-77	-30	16	63	109	156
			-483	-436	-390	-343	-296	-249	-202	-156	-109	-62	-15
110	171.60	bu	-252	-200	-149	-97	-46	5	56	108	159	211	262
			-424	-373	-321	-270	-218	-167	-115	-64	-12	38	90
120	187.20	bu	-193	-136	-80	-24	31	87	143	200	256	312	368
			-365	-309	-253	-197	-140	-84	-28	27	83	139	196
130	202.80	bu	-133	-73	-12	48	109	170	231	291	352	413	474
			-306	-245	-184	-123	-62	-2	58	119	180	241	302
140	218.40	bu	-74	-9	56	121	187	252	318	383	449	514	580
			-247	-181	-116	-50	14	80	145	211	276	342	407
150	234.00	bu	-15	54	124	194	265	335	405	475	545	616	686
			-188	-117	-47	22	92	162	233	303	373	443	513

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 55.A Estimated costs per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Provisia	oz	0.92	31.0000	28.52	_____
Aim	oz	7.34	1.0000	7.34	_____
Permit	oz	23.42	0.7500	17.57	_____
Regiment	oz	48.18	0.2500	12.05	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Provisia	lb	1.32	77.0000	101.64	_____
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_____
ADJUVANTS					
MSO	pt	3.50	0.5000	1.75	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
Dyne-A-Pak	pt	4.17	0.2500	1.04	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	156.0000	46.80	_____
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	21.9949	62.91	_____
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	_____
Tractors	acre	5.70	1.0000	5.70	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	14.31	1.0000	14.31	_____
INTEREST ON OP. CAP.	acre	29.66	1.0000	29.66	_____

TOTAL DIRECT EXPENSES				972.79	_____
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	_____
Tractors	acre	44.11	1.0000	44.11	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.37	1.0000	92.37	_____

TOTAL FIXED EXPENSES				196.69	_____

TOTAL SPECIFIED EXPENSES				1169.48	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 55.B Summary of estimated costs and returns per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	156.0000	936.00	_____
TOTAL INCOME				936.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	121.35	1.0000	121.35	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	123.97	1.0000	123.97	_____
ADJUVANTS	acre	17.06	1.0000	17.06	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	46.80	1.0000	46.80	_____
DRYING	acre	62.40	1.0000	62.40	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_____
OPERATOR LABOR	hour	18.69	0.6099	11.41	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	31.6056	90.39	_____
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_____
INTEREST ON OP. CAP.	acre	29.66	1.0000	29.66	_____
TOTAL DIRECT EXPENSES				972.79	_____
RETURNS ABOVE DIRECT EXPENSES				-36.79	_____
TOTAL FIXED EXPENSES				196.69	_____
TOTAL SPECIFIED EXPENSES				1169.48	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-233.48	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 55.C Estimated resource use for field operations, per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Provisia	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Provisia	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Provisia	oz					15.5000				
Aim	oz					1.0000				
Permit	oz					0.7500				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Provisia	oz					15.5000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Regiment	oz					0.2500				
Dyne-A-Pak	pt					0.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
							---	---	---	---
TOTALS							0.60	0.60	4.01	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 55.D Estimated costs for field operations, per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Provisia	lb	85.80					3.54	89.34		89.34
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Provisia	lb	15.84					0.65	16.49		16.49
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Provisia	oz	14.26					0.59	14.85		14.85
Aim	oz	7.34					0.30	7.64		7.64
Permit	oz	17.57					0.72	18.29		18.29
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Provisia	oz	14.26					0.49	14.75		14.75
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Regiment	oz	12.05					0.33	12.38		12.38
Dyne-A-Pak	pt	1.04					0.03	1.07		1.07
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	46.80					0.64	47.44		47.44
Dry Rice	bu	62.40					0.86	63.26		63.26
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		764.59	90.39	36.93	51.22	0.00	29.66	972.79	196.69	1169.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 55.E Estimated monthly income and expense flows per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	936.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	84.82	14.26	12.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	123.97	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	1.04	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.45	7.68	3.51	2.60	1.87	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	289.46	230.59	131.35	128.03	138.19	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-289.46	-230.59	-131.35	-128.03	797.81	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-327.40	-557.99	-689.34	-817.37	-19.56	-36.79

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 55.F Estimated returns for various price/yield combinations, per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-566	-543	-519	-496	-472	-449	-426	-402	-379	-355	-332
			-763	-739	-716	-692	-669	-646	-622	-599	-575	-552	-529
60	93.60	bu	-507	-479	-451	-423	-394	-366	-338	-310	-282	-254	-226
			-704	-675	-647	-619	-591	-563	-535	-507	-479	-451	-423
70	109.20	bu	-448	-415	-382	-349	-317	-284	-251	-218	-186	-153	-120
			-644	-612	-579	-546	-513	-481	-448	-415	-382	-350	-317
80	124.80	bu	-389	-351	-314	-276	-239	-201	-164	-126	-89	-52	-14
			-585	-548	-510	-473	-435	-398	-361	-323	-286	-248	-211
90	140.40	bu	-329	-287	-245	-203	-161	-119	-77	-35	7	49	91
			-526	-484	-442	-400	-358	-316	-273	-231	-189	-147	-105
100	156.00	bu	-270	-223	-177	-130	-83	-36	10	56	103	150	197
			-467	-420	-373	-327	-280	-233	-186	-139	-93	-46	0
110	171.60	bu	-211	-160	-108	-57	-5	45	97	148	200	251	303
			-408	-356	-305	-253	-202	-150	-99	-47	3	54	106
120	187.20	bu	-152	-96	-40	15	72	128	184	240	296	352	409
			-349	-293	-236	-180	-124	-68	-12	43	100	156	212
130	202.80	bu	-93	-32	28	89	149	210	271	332	393	454	515
			-290	-229	-168	-107	-46	14	74	135	196	257	318
140	218.40	bu	-34	31	96	162	227	293	358	424	489	555	620
			-230	-165	-99	-34	31	96	162	227	293	358	424
150	234.00	bu	24	95	165	235	305	375	446	516	586	656	726
			-171	-101	-31	38	108	179	249	319	389	459	530

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 56.A Estimated costs per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Provisia	oz	0.92	31.0000	28.52	_____
Aim	oz	7.34	1.0000	7.34	_____
Permit	oz	23.42	0.7500	17.57	_____
Regiment	oz	48.18	0.2500	12.05	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Rice Seed Provisia	lb	1.32	77.0000	101.64	_____
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_____
ADJUVANTS					
MSO	pt	3.50	0.5000	1.75	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
Dyne-A-Pak	pt	4.17	0.2500	1.04	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	156.0000	46.80	_____
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_____
Implements	hour	9.06	0.0375	0.34	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	18.7364	53.59	_____
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_____
Tractors	acre	5.88	1.0000	5.88	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	13.96	1.0000	13.96	_____
INTEREST ON OP. CAP.	acre	29.41	1.0000	29.41	_____

TOTAL DIRECT EXPENSES				961.30	_____
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_____
Tractors	acre	45.59	1.0000	45.59	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	92.02	1.0000	92.02	_____

TOTAL FIXED EXPENSES				198.84	_____

TOTAL SPECIFIED EXPENSES				1160.14	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 56.B Summary of estimated costs and returns per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	156.0000	936.00	_____
TOTAL INCOME				936.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	121.35	1.0000	121.35	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	123.97	1.0000	123.97	_____
ADJUVANTS	acre	17.06	1.0000	17.06	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	46.80	1.0000	46.80	_____
DRYING	acre	62.40	1.0000	62.40	_____
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_____
OPERATOR LABOR	hour	18.69	0.6381	11.94	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	28.5932	81.77	_____
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_____
INTEREST ON OP. CAP.	acre	29.41	1.0000	29.41	_____
TOTAL DIRECT EXPENSES				961.30	_____
RETURNS ABOVE DIRECT EXPENSES				-25.30	_____
TOTAL FIXED EXPENSES				198.84	_____
TOTAL SPECIFIED EXPENSES				1160.14	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-224.14	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 56.C Estimated resource use for field operations, per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Provisia	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Provisia	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Provisia	oz					15.5000				
Aim	oz					1.0000				
Permit	oz					0.7500				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Provisia	oz					15.5000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Regiment	oz					0.2500				
Dyne-A-Pak	pt					0.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 56.D Estimated costs for field operations, per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Provisia	lb	85.80					3.54	89.34		89.34
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Provisia	lb	15.84					0.65	16.49		16.49
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Provisia	oz	14.26					0.59	14.85		14.85
Aim	oz	7.34					0.30	7.64		7.64
Permit	oz	17.57					0.72	18.29		18.29
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Provisia	oz	14.26					0.49	14.75		14.75
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Regiment	oz	12.05					0.33	12.38		12.38
Dyne-A-Pak	pt	1.04					0.03	1.07		1.07
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	46.80					0.64	47.44		47.44
Dry Rice	bu	62.40					0.86	63.26		63.26
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		772.51	81.77	36.86	40.75	0.00	29.41	961.30	198.84	1160.14

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 56.E Estimated monthly income and expense flows per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	936.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	84.82	14.26	12.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	123.97	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	1.04	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.62	7.49	3.37	2.50	1.88	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	293.79	225.27	126.08	122.80	138.19	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-293.79	-225.27	-126.08	-122.80	797.81	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-331.73	-557.00	-683.08	-805.88	-8.07	-25.30

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 56.F Estimated returns for various price/yield combinations, per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-554	-531	-508	-484	-461	-437	-414	-391	-367	-344	-320
			-753	-730	-706	-683	-660	-636	-613	-589	-566	-543	-519
60	93.60	bu	-495	-467	-439	-411	-383	-355	-327	-299	-271	-243	-215
			-694	-666	-638	-610	-582	-554	-526	-498	-470	-441	-413
70	109.20	bu	-436	-403	-371	-338	-305	-272	-240	-207	-174	-141	-109
			-635	-602	-570	-537	-504	-471	-438	-406	-373	-340	-307
80	124.80	bu	-377	-340	-302	-265	-227	-190	-152	-115	-78	-40	-3
			-576	-538	-501	-464	-426	-389	-351	-314	-276	-239	-202
90	140.40	bu	-318	-276	-234	-192	-149	-107	-65	-23	18	60	102
			-517	-475	-433	-390	-348	-306	-264	-222	-180	-138	-96
100	156.00	bu	-259	-212	-165	-118	-72	-25	21	68	115	161	208
			-458	-411	-364	-317	-270	-224	-177	-130	-83	-36	9
110	171.60	bu	-200	-148	-97	-45	5	57	108	160	211	263	314
			-399	-347	-296	-244	-193	-141	-90	-38	12	64	115
120	187.20	bu	-141	-84	-28	27	83	139	195	252	308	364	420
			-339	-283	-227	-171	-115	-59	-2	53	109	165	221
130	202.80	bu	-81	-21	39	100	161	222	283	343	404	465	526
			-280	-219	-159	-98	-37	23	84	145	205	266	327
140	218.40	bu	-22	42	108	173	239	304	370	435	501	566	632
			-221	-156	-90	-25	40	105	171	237	302	368	433
150	234.00	bu	36	106	176	246	317	387	457	527	597	668	738
			-162	-92	-22	48	118	188	258	328	399	469	539

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 57.A Estimated costs per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_____
App by Air (10 gal)	appl	9.50	1.0000	9.50	_____
App by Air (3 gal)	appl	7.50	1.3000	9.75	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_____
DAP	cwt	36.68	0.5000	18.34	_____
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_____
NBPT	pt	18.00	0.7500	13.50	_____
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
Provisia	oz	0.92	31.0000	28.52	_____
Aim	oz	7.34	1.0000	7.34	_____
Permit	oz	23.42	0.7500	17.57	_____
Regiment	oz	48.18	0.2500	12.05	_____
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_____
Warrior II ZT	oz	3.02	0.6000	1.81	_____
SEED/PLANTS					
Rice Seed Provisia	lb	1.32	77.0000	101.64	_____
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_____
ADJUVANTS					
MSO	pt	3.50	0.5000	1.75	_____
Class Act NG	pt	5.00	0.5000	2.50	_____
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_____
Dyne-A-Pak	pt	4.17	0.2500	1.04	_____
Surfactant	pt	3.30	0.1000	0.33	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_____
HAULING					
Haul Rice	bu	0.30	156.0000	46.80	_____
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_____
Harvesters	hour	18.69	0.1100	2.06	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0785	0.71	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_____
Harvesters	gal	2.86	2.4063	6.88	_____
Flood Irr.	gal	2.86	15.4779	44.27	_____
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_____
Tractors	acre	5.17	1.0000	5.17	_____
Harvesters	acre	6.44	1.0000	6.44	_____
Flood Irr.	acre	11.80	1.0000	11.80	_____
INTEREST ON OP. CAP.	acre	28.40	1.0000	28.40	_____

TOTAL DIRECT EXPENSES				932.09	_____
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_____
Tractors	acre	40.06	1.0000	40.06	_____
Harvesters	acre	30.83	1.0000	30.83	_____
Flood Irr.	acre	91.67	1.0000	91.67	_____

TOTAL FIXED EXPENSES				191.10	_____

TOTAL SPECIFIED EXPENSES				1123.19	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 57.B Summary of estimated costs and returns per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	156.0000	936.00	_____
TOTAL INCOME				936.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_____
FERTILIZERS	acre	192.95	1.0000	192.95	_____
FUNGICIDES	acre	27.60	1.0000	27.60	_____
HERBICIDES	acre	121.35	1.0000	121.35	_____
INSECTICIDES	acre	11.33	1.0000	11.33	_____
SEED/PLANTS	acre	123.97	1.0000	123.97	_____
ADJUVANTS	acre	17.06	1.0000	17.06	_____
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_____
HAULING	acre	46.80	1.0000	46.80	_____
DRYING	acre	62.40	1.0000	62.40	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.3285	2.98	_____
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_____
OPERATOR LABOR	hour	18.69	0.5328	9.97	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_____
DIESEL FUEL	gal	2.86	24.4137	69.82	_____
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_____
INTEREST ON OP. CAP.	acre	28.40	1.0000	28.40	_____
TOTAL DIRECT EXPENSES				932.09	_____
RETURNS ABOVE DIRECT EXPENSES				3.91	_____
TOTAL FIXED EXPENSES				191.10	_____
TOTAL SPECIFIED EXPENSES				1123.19	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-187.19	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 57.C Estimated resource use for field operations, per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Provisia	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Provisia	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Provisia	oz					15.5000				
Aim	oz					1.0000				
Permit	oz					0.7500				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Provisia	oz					15.5000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Regiment	oz					0.2500				
Dyne-A-Pak	pt					0.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
							-------	-------	-------	-------
TOTALS							0.53	0.53	2.61	0.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 57.D Estimated costs for field operations, per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Provisia	lb	85.80					3.54	89.34		89.34
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Provisia	lb	15.84					0.65	16.49		16.49
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Provisia	oz	14.26					0.59	14.85		14.85
Aim	oz	7.34					0.30	7.64		7.64
Permit	oz	17.57					0.72	18.29		18.29
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Provisia	oz	14.26					0.49	14.75		14.75
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Regiment	oz	12.05					0.33	12.38		12.38
Dyne-A-Pak	pt	1.04					0.03	1.07		1.07
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	46.80					0.64	47.44		47.44
Dry Rice	bu	62.40					0.86	63.26		63.26
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		762.34	69.82	33.74	37.79	0.00	28.40	932.09	191.10	1123.19

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 57.E Estimated monthly income and expense flows per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	936.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	84.82	14.26	12.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	123.97	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	1.04	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.85	7.41	3.30	2.45	1.84	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	274.30	222.77	123.59	120.33	135.93	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-274.30	-222.77	-123.59	-120.33	800.07	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-312.24	-535.01	-658.60	-778.93	21.14	3.91

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 57.F Estimated returns for various price/yield combinations, per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-525	-502	-478	-455	-432	-408	-385	-361	-338	-315	-291
			-716	-693	-670	-646	-623	-599	-576	-553	-529	-506	-482
60	93.60	bu	-466	-438	-410	-382	-354	-326	-298	-270	-241	-213	-185
			-657	-629	-601	-573	-545	-517	-489	-461	-433	-404	-376
70	109.20	bu	-407	-374	-341	-309	-276	-243	-210	-178	-145	-112	-79
			-598	-565	-533	-500	-467	-434	-402	-369	-336	-303	-270
80	124.80	bu	-348	-310	-273	-236	-198	-161	-123	-86	-48	-11	26
			-539	-502	-464	-427	-389	-352	-314	-277	-239	-202	-165
90	140.40	bu	-289	-247	-204	-162	-120	-78	-36	5	47	89	131
			-480	-438	-396	-353	-311	-269	-227	-185	-143	-101	-59
100	156.00	bu	-230	-183	-136	-89	-42	3	50	97	144	191	237
			-421	-374	-327	-280	-233	-187	-140	-93	-46	0	46
110	171.60	bu	-170	-119	-68	-16	34	86	137	189	240	292	343
			-362	-310	-259	-207	-156	-104	-53	-1	49	101	152
120	187.20	bu	-111	-55	0	56	112	168	225	281	337	393	449
			-302	-246	-190	-134	-78	-22	34	90	146	202	258
130	202.80	bu	-52	8	68	129	190	251	312	373	434	494	555
			-243	-182	-122	-61	-0	60	121	182	242	303	364
140	218.40	bu	6	71	137	202	268	334	399	465	530	596	661
			-184	-119	-53	11	77	142	208	273	339	405	470
150	234.00	bu	65	135	205	276	346	416	486	556	627	697	767
			-125	-55	14	85	155	225	295	365	436	506	576

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 58.A Estimated costs per acre
Conventional Row Rice
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	6.0000	48.30	_____
FERTILIZERS					
Urea, Solid (46% N)	cwt	25.98	4.8000	124.70	_____
NBPT	pt	18.00	1.5200	27.36	_____
FUNGICIDES					
Quadris	oz	1.70	12.5000	21.25	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_____
2,4-D Amine 4	pt	2.23	2.0000	4.46	_____
Command 3ME	pt	14.95	1.3000	19.43	_____
Sharpen	oz	7.46	3.0000	22.38	_____
RiceBeaux	pt	6.72	8.0000	53.76	_____
Facet L	pt	17.36	2.0000	34.72	_____
Gambit	oz	18.07	2.0000	36.14	_____
Grandstand R	pt	21.42	1.0000	21.42	_____
INSECTICIDES					
Tenchu SG	oz	1.19	10.5000	12.50	_____
Warrior II ZT	oz	3.02	2.5600	7.73	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	80.0000	26.40	_____
Rice Conv Hyb Trt	lb	6.31	30.0000	189.30	_____
Rice Seed Trt/Insect	lbseed	0.29	110.0000	31.90	_____
ADJUVANTS					
MSO	pt	3.50	3.0000	10.50	_____
Class Act NG	pt	5.00	1.0000	5.00	_____
Crop Oil Conc.(Pet.)	pt	2.86	2.0000	5.72	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	4.8000	65.28	_____
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_____
SOIL TEST					
Soil Test	acre	10.00	0.3300	3.30	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2661	4.97	_____
Harvesters	hour	18.69	0.1100	2.06	_____
HAND LABOR					
Implements	hour	9.06	0.0785	0.71	_____
HAND. & STOR. LABOR					
Special Labor	hour	9.06	0.2000	1.81	_____
UNALLOCATED LABOR	hour	18.69	0.3385	6.33	_____
DIESEL FUEL					
Tractors	gal	2.86	3.8981	11.15	_____
Harvesters	gal	2.86	2.4063	6.88	_____
REPAIR & MAINTENANCE					
Implements	acre	7.47	1.0000	7.47	_____
Tractors	acre	3.14	1.0000	3.14	_____
Harvesters	acre	6.44	1.0000	6.44	_____
INTEREST ON OP. CAP.	acre	29.10	1.0000	29.10	_____

TOTAL DIRECT EXPENSES				869.23	_____
FIXED EXPENSES					
Implements	acre	20.92	1.0000	20.92	_____
Tractors	acre	24.35	1.0000	24.35	_____
Harvesters	acre	30.83	1.0000	30.83	_____

TOTAL FIXED EXPENSES				76.10	_____

TOTAL SPECIFIED EXPENSES				945.33	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 58.B Summary of estimated costs and returns per acre
Conventional Row Rice
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_____
TOTAL INCOME				1080.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	48.30	1.0000	48.30	_____
FERTILIZERS	acre	152.08	1.0000	152.08	_____
FUNGICIDES	acre	21.25	1.0000	21.25	_____
HERBICIDES	acre	201.91	1.0000	201.91	_____
INSECTICIDES	acre	20.23	1.0000	20.23	_____
SEED/PLANTS	acre	247.60	1.0000	247.60	_____
ADJUVANTS	acre	21.22	1.0000	21.22	_____
CUSTOM FERTILIZE	acre	65.28	1.0000	65.28	_____
CROP CONSULTANT	acre	8.00	1.0000	8.00	_____
SOIL TEST	acre	3.30	1.0000	3.30	_____
HAND LABOR	hour	9.06	0.0785	0.71	_____
HAND. & STOR. LABOR	hour	9.06	0.2000	1.81	_____
OPERATOR LABOR	hour	18.69	0.3761	7.03	_____
UNALLOCATED LABOR	hour	18.69	0.3385	6.33	_____
DIESEL FUEL	gal	2.86	6.3044	18.03	_____
REPAIR & MAINTENANCE	acre	17.05	1.0000	17.05	_____
INTEREST ON OP. CAP.	acre	29.10	1.0000	29.10	_____
TOTAL DIRECT EXPENSES				869.23	_____
RETURNS ABOVE DIRECT EXPENSES				210.77	_____
TOTAL FIXED EXPENSES				76.10	_____
TOTAL SPECIFIED EXPENSES				945.33	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				134.67	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 58.C Estimated resource use for field operations, per acre
Conventional Row Rice
Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Sep	0.3300				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Roller/Cultipacker	38'	MFWD 300	0.039	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					80.0000				
Rice Conv Hyb Trt	lb					30.0000				
Rice Seed Trt/Insect	lbseed					110.0000				
App by Air (5 gal)	appl			1.00	Apr					
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					1.0000				
Class Act NG	pt					1.0000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.2000				
Urea, Solid (46% N)	cwt					1.2000				
NBPT	pt					0.8000				
App by Air (5 gal)	appl			1.00	May	1.0000				
RiceBeaux	pt					8.0000				
App Fert by Air	cwt			1.00	May	1.2000				
Urea, Solid (46% N)	cwt					1.2000				
NBPT	pt					0.2400				
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Gambit	oz					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	Jun	1.2000				
Urea, Solid (46% N)	cwt					1.2000				
NBPT	pt					0.2400				
App Fert by Air	cwt			1.00	Jul	1.2000				
Urea, Solid (46% N)	cwt					1.2000				
NBPT	pt					0.2400				
App by Air (5 gal)	appl			1.00	Jul					
Grandstand R	pt					1.0000				
MSO	pt					2.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Quadris	oz					12.5000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					10.5000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Warrior II ZT	oz					2.5600				
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 225	0.055	1.00	Aug		0.05	0.05	0.05	0.04
HAND. & STOR. LABOR	hour			1.00	Aug				0.20	
Dry Rice	bu			1.00	Aug					
							-------	-------	-------	-------
TOTALS							0.37	0.37	0.65	0.33

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 58.D Estimated costs for field operations, per acre
Conventional Row Rice
Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.30					0.02	3.32		3.32
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Roller/Cultipacker	38'		1.74	0.74	1.39		0.32	4.19	4.16	8.35
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	26.40					1.09	27.49		27.49
Rice Conv Hyb Trt	lb	189.30					7.81	197.11		197.11
Rice Seed Trt/Insect	lbseed	31.90					1.32	33.22		33.22
App by Air (5 gal)	appl									
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	3.50					0.14	3.64		3.64
Class Act NG	pt	5.00					0.21	5.21		5.21
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	16.32					0.56	16.88		16.88
Urea, Solid (46% N)	cwt	31.18					1.07	32.25		32.25
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
RiceBeaux	pt	53.76					1.85	55.61		55.61
App Fert by Air	cwt	16.32					0.56	16.88		16.88
Urea, Solid (46% N)	cwt	31.18					1.07	32.25		32.25
NBPT	pt	4.32					0.15	4.47		4.47
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Gambit	oz	36.14					1.24	37.38		37.38
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
App Fert by Air	cwt	16.32					0.45	16.77		16.77
Urea, Solid (46% N)	cwt	31.18					0.86	32.04		32.04
NBPT	pt	4.32					0.12	4.44		4.44
App Fert by Air	cwt	16.32					0.34	16.66		16.66
Urea, Solid (46% N)	cwt	31.18					0.64	31.82		31.82
NBPT	pt	4.32					0.09	4.41		4.41
App by Air (5 gal)	appl									
Grandstand R	pt	21.42					0.44	21.86		21.86
MSO	pt	7.00					0.14	7.14		7.14
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Quadris	oz	21.25					0.44	21.69		21.69
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Tenchu SG	oz	12.50					0.26	12.76		12.76
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Warrior II ZT	oz	7.73					0.16	7.89		7.89
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		1.82	1.34	1.96		0.07	5.19	6.09	11.28
HAND. & STOR. LABOR	hour				1.81		0.02	1.83		1.83
Dry Rice	bu									
TOTALS		789.17	18.03	17.05	15.88	0.00	29.10	869.23	76.10	945.33

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.

Table 58.E Estimated monthly income and expense flows per acre
Conventional Row Rice
Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	16.10	0.00	24.15	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.08	35.50	35.50	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.25	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	124.62	0.00	21.42	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.23	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	247.60	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	8.50	5.72	0.00	7.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.64	16.32	16.32	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30
LABOR	4.70	0.00	0.00	0.00	0.00	0.00	3.50	0.00	0.00	0.00	7.68	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.86	0.00	0.00	0.00	0.00	0.00	3.47	0.00	0.00	0.00	8.70	0.00
REPAIR & MAINTENANCE	3.36	0.00	0.00	0.00	0.00	0.00	3.51	0.00	0.00	0.00	10.18	0.00
INTEREST ON OP. CAP.	1.15	0.00	0.00	0.00	1.01	0.00	12.88	9.23	1.43	3.02	0.36	0.02
TOTAL DIRECT EXPENSES	15.07	0.00	0.00	0.00	19.28	0.00	325.11	277.39	53.25	148.89	26.92	3.32
NET INCOME	-15.07	0.00	0.00	0.00	-19.28	0.00	-325.11	-277.39	-53.25	-148.89	1053.08	-3.32
NET INCOME TO DATE	-15.07	-15.07	-15.07	-15.07	-34.35	-34.35	-359.46	-636.85	-690.10	-838.99	214.09	210.77

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
* Lease costs are based on hourly usage costs.

Table 58.F Estimated returns for various price/yield combinations, per acre
Conventional Row Rice
Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-464	-437	-410	-383	-356	-329	-302	-275	-248	-221	-194
			-540	-513	-486	-459	-432	-405	-378	-351	-324	-297	-270
60	108.00	bu	-383	-350	-318	-286	-253	-221	-188	-156	-124	-91	-59
			-459	-426	-394	-362	-329	-297	-264	-232	-200	-167	-135
70	126.00	bu	-302	-264	-226	-188	-151	-113	-75	-37	0	37	75
			-378	-340	-302	-264	-227	-189	-151	-113	-75	-38	-0
80	144.00	bu	-221	-178	-134	-91	-48	-5	37	81	124	167	210
			-297	-254	-210	-167	-124	-81	-38	5	48	91	134
90	162.00	bu	-140	-91	-43	5	54	102	151	199	248	297	345
			-216	-167	-119	-70	-21	26	75	123	172	221	269
100	180.00	bu	-59	-5	48	102	156	210	264	318	372	426	480
			-135	-81	-27	26	80	134	188	242	296	350	404
110	198.00	bu	21	81	140	199	259	318	378	437	496	556	615
			-54	5	64	123	183	242	302	361	420	480	539
120	216.00	bu	102	167	232	297	361	426	491	556	621	685	750
			26	91	156	221	285	350	415	480	545	609	674
130	234.00	bu	183	253	324	394	464	534	604	675	745	815	885
			107	177	248	318	388	458	528	599	669	739	809
140	252.00	bu	264	340	415	491	567	642	718	793	869	945	1020
			188	264	339	415	491	566	642	717	793	869	944
150	270.00	bu	345	426	507	588	669	750	831	912	993	1074	1155
			269	350	431	512	593	674	755	836	917	998	1079

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 59.A Estimated costs per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FUNGICIDES					
Abound	oz	1.29	12.0000	15.48	_____
Convoy	oz	1.02	24.0000	24.48	_____
Bravo Weather Stick	pt	3.49	2.2500	7.85	_____
Tebuconazole 3.6	oz	0.45	7.2000	3.24	_____
Elatus	oz	3.65	9.2000	33.58	_____
Provost Silver	oz	1.52	13.0000	19.76	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	1.85	4.0000	7.40	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
Valor SX	oz	3.06	3.0000	9.18	_____
Storm	pt	12.97	1.5000	19.46	_____
Cadre	oz	2.20	4.0000	8.80	_____
Butyrac 200 (2,4-DB)	pt	3.38	2.0000	6.76	_____
Select Max	pt	15.01	1.0000	15.01	_____
INSECTICIDES					
Admire Pro	oz	2.19	9.0000	19.71	_____
Acephate 90%	lb	6.75	0.1375	0.93	_____
SEED/PLANTS					
Peanut Seed	lb	1.15	150.0000	172.50	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	2.90	6.0000	17.40	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.6200	29.16	_____
DRYING					
Dry Peanuts	ton	24.00	1.1400	27.36	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
INOCULANT					
Optimize LIFT	oz	0.58	14.8000	8.58	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	1.2529	23.42	_____
Self-Propelled	hour	18.69	0.1204	2.25	_____
HAND LABOR					
Implements	hour	9.06	0.1207	1.09	_____
Self-Propelled	hour	9.06	0.0602	0.51	_____
UNALLOCATED LABOR	hour	18.74	1.0986	20.59	_____
DIESEL FUEL					
Tractors	gal	2.86	13.5967	38.88	_____
Self-Propelled	gal	2.86	1.5342	4.41	_____
REPAIR & MAINTENANCE					
Implements	acre	11.43	1.0000	11.43	_____
Tractors	acre	11.96	1.0000	11.96	_____
Self-Propelled	acre	2.26	1.0000	2.26	_____
INTEREST ON OP. CAP.	acre	14.89	1.0000	14.89	_____

TOTAL DIRECT EXPENSES				608.89	_____
FIXED EXPENSES					
Implements	acre	58.09	1.0000	58.09	_____
Tractors	acre	92.53	1.0000	92.53	_____
Self-Propelled	acre	18.04	1.0000	18.04	_____

TOTAL FIXED EXPENSES				168.66	_____

TOTAL SPECIFIED EXPENSES				777.55	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 59.B Summary of estimated costs and returns per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	475.00	2.2000	1045.00	_____

TOTAL INCOME				1045.00	_____
DIRECT EXPENSES					
FUNGICIDES	acre	104.40	1.0000	104.40	_____
HERBICIDES	acre	76.72	1.0000	76.72	_____
INSECTICIDES	acre	20.64	1.0000	20.64	_____
SEED/PLANTS	acre	172.50	1.0000	172.50	_____
ADJUVANTS	acre	17.40	1.0000	17.40	_____
CLEANING	acre	29.16	1.0000	29.16	_____
DRYING	acre	27.36	1.0000	27.36	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
INOCULANT	acre	8.58	1.0000	8.58	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1809	1.60	_____
OPERATOR LABOR	hour	18.69	1.3733	25.67	_____
UNALLOCATED LABOR	hour	18.74	1.0986	20.59	_____
DIESEL FUEL	gal	2.86	15.1309	43.29	_____
REPAIR & MAINTENANCE	acre	25.65	1.0000	25.65	_____
INTEREST ON OP. CAP.	acre	14.89	1.0000	14.89	_____

TOTAL DIRECT EXPENSES				608.89	_____
RETURNS ABOVE DIRECT EXPENSES				436.11	_____
TOTAL FIXED EXPENSES				168.66	_____

TOTAL SPECIFIED EXPENSES				777.55	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				267.45	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 59.C Estimated resource use for field operations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Apr	0.3330				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Apr			0.01	0.01	0.00
Glyphosate 3lbs a.e	pt					4.0000				
Lime (Spread)	ton			0.33	Apr	0.3330				
Bed-Rip/Disk Fold.	8R-38	MFWD 190	0.073	1.00	May		0.07	0.07	0.07	0.05
Peanut Plt&Pre Rigid	8R-38	MFWD 225	0.120	1.00	May		0.12	0.12	0.24	0.09
Peanut Seed	lb					150.0000				
Optimize LIFT	oz					14.8000				
Admire Pro	oz					9.0000				
Abound	oz					12.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Dual Magnum	pt					1.0000				
Valor SX	oz					3.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.25	May			0.00	0.00	0.00
Acephate 90%	lb					0.1375				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Convoy	oz					24.0000				
Bravo Weather Stick	pt					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Storm	pt					1.5000				
Cadre	oz					4.0000				
Butyrac 200 (2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bravo Weather Stick	pt					0.7500				
Tebuconazole 3.6	oz					7.2000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Elatus	oz					9.2000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Butyrac 200 (2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Select Max	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Provost Silver	oz					13.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Bravo Weather Stick	pt					0.7500				
Peanut Dig/Invertor	6R-38	MFWD 190	0.124	1.00	Sep		0.12	0.12	0.12	0.09
Peanut Harvester	6R-38	MFWD 225	0.625	1.00	Sep		0.62	0.62	0.62	0.50
Dry Peanuts	ton					1.1400				
Cleaning Peanuts	ton					1.6200				
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
							---	---	---	---
TOTALS							1.37	1.25	1.55	1.09

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 59.D Estimated costs for field operations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.14	3.47		3.47
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Glyphosate 3lbs a.e	pt	7.40					0.31	7.71		7.71
Lime (Spread)	ton	17.11					0.71	17.82		17.82
Bed-Rip/Disk Fold.	8R-38		2.04	0.89	2.46		0.19	5.58	6.56	12.14
Peanut Plt&Pre Rigid	8R-38		4.00	3.77	5.16		0.44	13.37	15.66	29.03
Peanut Seed	lb	172.50					5.93	178.43		178.43
Optimize LIFT	oz	8.58					0.29	8.87		8.87
Admire Pro	oz	19.71					0.68	20.39		20.39
Abound	oz	15.48					0.53	16.01		16.01
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Dual Magnum	pt	10.11					0.35	10.46		10.46
Valor SX	oz	9.18					0.32	9.50		9.50
Sprayer 600-825gal	90' 250hp		0.11	0.06	0.10		0.01	0.28	0.44	0.72
Acephate 90%	lb	0.93					0.03	0.96		0.96
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Convoy	oz	24.48					0.67	25.15		25.15
Bravo Weather Stick	pt	2.62					0.07	2.69		2.69
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Storm	pt	19.46					0.54	20.00		20.00
Cadre	oz	8.80					0.24	9.04		9.04
Butyrac 200 (2,4-DB)	pt	3.38					0.09	3.47		3.47
Crop Oil Conc.(Veg.)	pt	5.80					0.16	5.96		5.96
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Bravo Weather Stick	pt	2.62					0.07	2.69		2.69
Tebuconazole 3.6	oz	3.24					0.09	3.33		3.33
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Elatus	oz	33.58					0.69	34.27		34.27
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Butyrac 200 (2,4-DB)	pt	3.38					0.07	3.45		3.45
Crop Oil Conc.(Veg.)	pt	5.80					0.12	5.92		5.92
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Select Max	pt	15.01					0.31	15.32		15.32
Crop Oil Conc.(Veg.)	pt	5.80					0.12	5.92		5.92
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Provost Silver	oz	19.76					0.41	20.17		20.17
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Bravo Weather Stick	pt	2.62					0.04	2.66		2.66
Peanut Dig/Invertor	6R-38		3.47	2.47	4.18		0.07	10.19	11.30	21.49
Peanut Harvester	6R-38		20.70	12.34	21.03		0.37	54.44	89.38	143.82
Dry Peanuts	ton	27.36					0.19	27.55		27.55
Cleaning Peanuts	ton	29.16					0.20	29.36		29.36
Peanut Dump Cart	6-Row		8.67	3.92	10.43		0.16	23.18	27.72	50.90
TOTALS		477.20	43.29	25.65	47.86	0.00	14.89	608.89	168.66	777.55

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 59.E Estimated monthly income and expense flows per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1045.00
DIRECT EXPENSES												
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.48	32.96	53.34	2.62	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.40	19.29	31.64	18.39	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.64	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.50	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.80	11.60	0.00	0.00
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.16
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.36
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	17.11	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.58	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	0.00	0.00	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.45	8.17	1.35	1.80	0.45	35.64
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.43	6.58	1.29	1.72	0.43	32.84
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.22	4.94	0.66	0.88	0.22	18.73
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.21	8.81	2.02	1.80	0.06	0.99
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	30.15	264.99	75.72	89.53	3.78	144.72
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-30.15	-264.99	-75.72	-89.53	-3.78	900.28
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-30.15	-295.14	-370.86	-460.39	-464.17	436.11

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 59.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			356.25	380.00	403.75	427.50	451.25	475.00	498.75	522.50	546.25	570.00	593.75
PERCENT	YIELD	UNIT	dollars										
50	1.10	ton	-188	-162	-136	-110	-84	-57	-31	-5	20	46	72
			-357	-331	-304	-278	-252	-226	-200	-174	-148	-122	-95
60	1.32	ton	-115	-84	-53	-21	9	40	72	103	134	166	197
			-284	-253	-221	-190	-159	-127	-96	-65	-33	-2	28
70	1.54	ton	-43	-6	29	66	103	139	176	212	249	285	322
			-211	-175	-138	-102	-65	-28	7	44	80	117	153
80	1.76	ton	29	71	113	154	196	238	280	322	363	405	447
			-139	-97	-55	-13	28	69	111	153	195	237	278
90	1.98	ton	102	149	196	243	290	337	384	431	478	525	572
			-66	-19	27	74	121	168	215	262	309	356	403
100	2.20	ton	174	227	279	331	383	436	488	540	592	645	697
			6	58	110	162	215	267	319	371	424	476	528
110	2.42	ton	247	305	362	419	477	534	592	649	707	764	822
			78	136	193	251	308	366	423	481	538	596	653
120	2.64	ton	320	382	445	508	571	633	696	759	821	884	947
			151	214	276	339	402	465	527	590	653	715	778
130	2.86	ton	392	460	528	596	664	732	800	868	936	1004	1072
			224	292	360	428	495	563	631	699	767	835	903
140	3.08	ton	465	538	611	685	758	831	904	977	1050	1123	1197
			296	370	443	516	589	662	735	808	882	955	1028
150	3.30	ton	538	616	695	773	851	930	1008	1086	1165	1243	1322
			369	447	526	604	683	761	839	918	996	1074	1153

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 60.A Estimated costs per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8R 38" twin
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FUNGICIDES					
Abound	oz	1.29	12.0000	15.48	_____
Convoy	oz	1.02	24.0000	24.48	_____
Bravo Weather Stick	pt	3.49	2.2500	7.85	_____
Tebuconazole 3.6	oz	0.45	7.2000	3.24	_____
Elatus	oz	3.65	9.2000	33.58	_____
Provost Silver	oz	1.52	13.0000	19.76	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	1.85	4.0000	7.40	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
Valor SX	oz	3.06	3.0000	9.18	_____
Storm	pt	12.97	1.5000	19.46	_____
Cadre	oz	2.20	4.0000	8.80	_____
Butyrac 200 (2,4-DB)	pt	3.38	2.0000	6.76	_____
Select Max	pt	15.01	1.0000	15.01	_____
INSECTICIDES					
Admire Pro	oz	2.19	9.0000	19.71	_____
Acephate 90%	lb	6.75	0.1375	0.93	_____
SEED/PLANTS					
Peanut Seed	lb	1.15	150.0000	172.50	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	2.90	6.0000	17.40	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.6200	29.16	_____
DRYING					
Dry Peanuts	ton	24.00	1.1400	27.36	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
INOCULANT					
Optimize LIFT	oz	0.58	29.6000	17.17	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	1.2529	23.42	_____
Self-Propelled	hour	18.69	0.1204	2.25	_____
HAND LABOR					
Implements	hour	9.06	0.1207	1.09	_____
Self-Propelled	hour	9.06	0.0602	0.51	_____
UNALLOCATED LABOR	hour	18.74	1.0986	20.59	_____
DIESEL FUEL					
Tractors	gal	2.86	13.5967	38.88	_____
Self-Propelled	gal	2.86	1.5342	4.41	_____
REPAIR & MAINTENANCE					
Implements	acre	14.59	1.0000	14.59	_____
Tractors	acre	11.96	1.0000	11.96	_____
Self-Propelled	acre	2.26	1.0000	2.26	_____
INTEREST ON OP. CAP.	acre	15.29	1.0000	15.29	_____

TOTAL DIRECT EXPENSES				621.04	_____
FIXED EXPENSES					
Implements	acre	65.53	1.0000	65.53	_____
Tractors	acre	92.53	1.0000	92.53	_____
Self-Propelled	acre	18.04	1.0000	18.04	_____

TOTAL FIXED EXPENSES				176.10	_____

TOTAL SPECIFIED EXPENSES				797.14	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 60.B Summary of estimated costs and returns per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8R 38" twin
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	475.00	2.2000	1045.00	_____

TOTAL INCOME				1045.00	_____
DIRECT EXPENSES					
FUNGICIDES	acre	104.40	1.0000	104.40	_____
HERBICIDES	acre	76.72	1.0000	76.72	_____
INSECTICIDES	acre	20.64	1.0000	20.64	_____
SEED/PLANTS	acre	172.50	1.0000	172.50	_____
ADJUVANTS	acre	17.40	1.0000	17.40	_____
CLEANING	acre	29.16	1.0000	29.16	_____
DRYING	acre	27.36	1.0000	27.36	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
INOCULANT	acre	17.17	1.0000	17.17	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1809	1.60	_____
OPERATOR LABOR	hour	18.69	1.3733	25.67	_____
UNALLOCATED LABOR	hour	18.74	1.0986	20.59	_____
DIESEL FUEL	gal	2.86	15.1309	43.29	_____
REPAIR & MAINTENANCE	acre	28.81	1.0000	28.81	_____
INTEREST ON OP. CAP.	acre	15.29	1.0000	15.29	_____

TOTAL DIRECT EXPENSES				621.04	_____
RETURNS ABOVE DIRECT EXPENSES				423.96	_____
TOTAL FIXED EXPENSES				176.10	_____

TOTAL SPECIFIED EXPENSES				797.14	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				247.86	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning

Table 60.C Estimated resource use for field operations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8R 38" twin
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Apr	0.3330				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Apr			0.01	0.01	0.00
Glyphosate 3lbs a.e	pt					4.0000				
Lime (Spread)	ton			0.33	Apr	0.3330				
Bed-Rip/Disk Rigid	8R-38	MFWD 190	0.073	1.00	May		0.07	0.07	0.07	0.05
Peanut Ptlt&PreTwin	8R-30/40	MFWD 225	0.120	1.00	May		0.12	0.12	0.24	0.09
Peanut Seed	lb					150.0000				
Optimize LIFT	oz					29.6000				
Admire Pro	oz					9.0000				
Abound	oz					12.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Dual Magnum	pt					1.0000				
Valor SX	oz					3.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.25	May			0.00	0.00	0.00
Acephate 90%	lb					0.1375				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Convoy	oz					24.0000				
Bravo Weather Stick	pt					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Storm	pt					1.5000				
Cadre	oz					4.0000				
Butyrac 200 (2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bravo Weather Stick	pt					0.7500				
Tebuconazole 3.6	oz					7.2000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Elatus	oz					9.2000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Butyrac 200 (2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Select Max	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Provost Silver	oz					13.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Bravo Weather Stick	pt					0.7500				
Peanut Dig/Invertor	6R-38	MFWD 190	0.124	1.00	Sep		0.12	0.12	0.12	0.09
Peanut Harvester	6R-38	MFWD 225	0.625	1.00	Sep		0.62	0.62	0.62	0.50
Dry Peanuts	ton					1.1400				
Cleaning Peanuts	ton					1.6200				
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
							---	---	---	---
TOTALS							1.37	1.25	1.55	1.09

Note: Cost of production estimates are based on 2023 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 60.D Estimated costs for field operations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8R 38" twin
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.14	3.47		3.47
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Glyphosate 3lbs a.e	pt	7.40					0.31	7.71		7.71
Lime (Spread)	ton	17.11					0.71	17.82		17.82
Bed-Rip/Disk Rigid	8R-38		2.04	0.84	2.46		0.18	5.52	6.24	11.76
Peanut Ptlt&PreTwin	8R-30/40		4.00	6.98	5.16		0.55	16.69	23.42	40.11
Peanut Seed	lb	172.50					5.93	178.43		178.43
Optimize LIFT	oz	17.17					0.59	17.76		17.76
Admire Pro	oz	19.71					0.68	20.39		20.39
Abound	oz	15.48					0.53	16.01		16.01
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Dual Magnum	pt	10.11					0.35	10.46		10.46
Valor SX	oz	9.18					0.32	9.50		9.50
Sprayer 600-825gal	90' 250hp		0.11	0.06	0.10		0.01	0.28	0.44	0.72
Acephate 90%	lb	0.93					0.03	0.96		0.96
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Convoy	oz	24.48					0.67	25.15		25.15
Bravo Weather Stick	pt	2.62					0.07	2.69		2.69
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Storm	pt	19.46					0.54	20.00		20.00
Cadre	oz	8.80					0.24	9.04		9.04
Butyrac 200 (2,4-DB)	pt	3.38					0.09	3.47		3.47
Crop Oil Conc.(Veg.)	pt	5.80					0.16	5.96		5.96
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Bravo Weather Stick	pt	2.62					0.07	2.69		2.69
Tebuconazole 3.6	oz	3.24					0.09	3.33		3.33
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Elatus	oz	33.58					0.69	34.27		34.27
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Butyrac 200 (2,4-DB)	pt	3.38					0.07	3.45		3.45
Crop Oil Conc.(Veg.)	pt	5.80					0.12	5.92		5.92
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Select Max	pt	15.01					0.31	15.32		15.32
Crop Oil Conc.(Veg.)	pt	5.80					0.12	5.92		5.92
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Provost Silver	oz	19.76					0.41	20.17		20.17
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Bravo Weather Stick	pt	2.62					0.04	2.66		2.66
Peanut Dig/Invertor	6R-38		3.47	2.47	4.18		0.07	10.19	11.30	21.49
Peanut Harvester	6R-38		20.70	12.34	21.03		0.37	54.44	89.38	143.82
Dry Peanuts	ton	27.36					0.19	27.55		27.55
Cleaning Peanuts	ton	29.16					0.20	29.36		29.36
Peanut Dump Cart	6-Row		8.67	3.92	10.43		0.16	23.18	27.72	50.90
TOTALS		485.79	43.29	28.81	47.86	0.00	15.29	621.04	176.10	797.14

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 60.E Estimated monthly income and expense flows per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8R 38" twin
All Areas, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1045.00
DIRECT EXPENSES												
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.48	32.96	53.34	2.62	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.40	19.29	31.64	18.39	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.64	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.50	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.80	11.60	0.00	0.00
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.16
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.36
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	17.11	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.17	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	0.00	0.00	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.45	8.17	1.35	1.80	0.45	35.64
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.43	6.58	1.29	1.72	0.43	32.84
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.22	8.10	0.66	0.88	0.22	18.73
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.21	9.21	2.02	1.80	0.06	0.99
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	30.15	277.14	75.72	89.53	3.78	144.72
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-30.15	-277.14	-75.72	-89.53	-3.78	900.28
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-30.15	-307.29	-383.01	-472.54	-476.32	423.96

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 60.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 8R 38" twin
All Areas, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			356.25	380.00	403.75	427.50	451.25	475.00	498.75	522.50	546.25	570.00	593.75
PERCENT	YIELD	UNIT	dollars										
50	1.10	ton	-200	-174	-148	-122	-96	-70	-43	-17	8	34	60
			-376	-350	-324	-298	-272	-246	-220	-193	-167	-141	-115
60	1.32	ton	-128	-96	-65	-33	-2	28	60	91	122	154	185
			-304	-272	-241	-210	-178	-147	-116	-84	-53	-21	9
70	1.54	ton	-55	-18	17	54	90	127	164	200	237	273	310
			-231	-194	-158	-121	-85	-48	-11	24	61	97	134
80	1.76	ton	17	59	100	142	184	226	268	309	351	393	435
			-158	-116	-75	-33	8	50	92	133	175	217	259
90	1.98	ton	90	137	184	231	278	325	372	419	466	513	560
			-86	-39	7	55	102	149	196	243	290	337	384
100	2.20	ton	162	214	267	319	371	423	476	528	580	632	685
			-13	38	91	143	195	247	300	352	404	456	509
110	2.42	ton	235	292	350	407	465	522	580	637	695	752	810
			59	116	174	231	289	346	404	461	519	576	634
120	2.64	ton	308	370	433	496	558	621	684	746	809	872	935
			131	194	257	320	382	445	508	570	633	696	758
130	2.86	ton	380	448	516	584	652	720	788	856	924	992	1060
			204	272	340	408	476	544	612	680	748	815	883
140	3.08	ton	453	526	599	672	746	819	892	965	1038	1111	1184
			277	350	423	496	569	643	716	789	862	935	1008
150	3.30	ton	526	604	682	761	839	918	996	1074	1153	1231	1309
			350	428	506	585	663	741	820	898	977	1055	1133

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 61.A Estimated costs per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 12 row-38inch
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FUNGICIDES					
Abound	oz	1.29	12.0000	15.48	_____
Convoy	oz	1.02	24.0000	24.48	_____
Bravo Weather Stick	pt	3.49	2.2500	7.85	_____
Tebuconazole 3.6	oz	0.45	7.2000	3.24	_____
Elatus	oz	3.65	9.2000	33.58	_____
Provost Silver	oz	1.52	13.0000	19.76	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	1.85	4.0000	7.40	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
Valor SX	oz	3.06	3.0000	9.18	_____
Storm	pt	12.97	1.5000	19.46	_____
Cadre	oz	2.20	4.0000	8.80	_____
Butyrac 200 (2,4-DB)	pt	3.38	2.0000	6.76	_____
Select Max	pt	15.01	1.0000	15.01	_____
INSECTICIDES					
Admire Pro	oz	2.19	9.0000	19.71	_____
Acephate 90%	lb	6.75	0.1375	0.93	_____
SEED/PLANTS					
Peanut Seed	lb	1.15	150.0000	172.50	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	2.90	6.0000	17.40	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.6200	29.16	_____
DRYING					
Dry Peanuts	ton	24.00	1.1400	27.36	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
INOCULANT					
Optimize LIFT	oz	0.58	14.8000	8.58	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	1.1856	22.15	_____
Self-Propelled	hour	18.69	0.1204	2.25	_____
HAND LABOR					
Implements	hour	9.06	0.0804	0.73	_____
Self-Propelled	hour	9.06	0.0602	0.51	_____
UNALLOCATED LABOR	hour	18.73	1.0449	19.58	_____
DIESEL FUEL					
Tractors	gal	2.86	12.9499	37.03	_____
Self-Propelled	gal	2.86	1.5342	4.41	_____
REPAIR & MAINTENANCE					
Implements	acre	12.21	1.0000	12.21	_____
Tractors	acre	11.39	1.0000	11.39	_____
Self-Propelled	acre	2.26	1.0000	2.26	_____
INTEREST ON OP. CAP.	acre	14.74	1.0000	14.74	_____

TOTAL DIRECT EXPENSES				604.46	_____
FIXED EXPENSES					
Implements	acre	59.87	1.0000	59.87	_____
Tractors	acre	88.16	1.0000	88.16	_____
Self-Propelled	acre	18.04	1.0000	18.04	_____

TOTAL FIXED EXPENSES				166.07	_____

TOTAL SPECIFIED EXPENSES				770.53	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 61.B Summary of estimated costs and returns per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 12 row-38inch
All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	475.00	2.2000	1045.00	_____

TOTAL INCOME				1045.00	_____
DIRECT EXPENSES					
FUNGICIDES	acre	104.40	1.0000	104.40	_____
HERBICIDES	acre	76.72	1.0000	76.72	_____
INSECTICIDES	acre	20.64	1.0000	20.64	_____
SEED/PLANTS	acre	172.50	1.0000	172.50	_____
ADJUVANTS	acre	17.40	1.0000	17.40	_____
CLEANING	acre	29.16	1.0000	29.16	_____
DRYING	acre	27.36	1.0000	27.36	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
INOCULANT	acre	8.58	1.0000	8.58	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1406	1.24	_____
OPERATOR LABOR	hour	18.69	1.3061	24.40	_____
UNALLOCATED LABOR	hour	18.73	1.0449	19.58	_____
DIESEL FUEL	gal	2.86	14.4842	41.44	_____
REPAIR & MAINTENANCE	acre	25.86	1.0000	25.86	_____
INTEREST ON OP. CAP.	acre	14.74	1.0000	14.74	_____

TOTAL DIRECT EXPENSES				604.46	_____
RETURNS ABOVE DIRECT EXPENSES				440.54	_____
TOTAL FIXED EXPENSES				166.07	_____

TOTAL SPECIFIED EXPENSES				770.53	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				274.47	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 61.C Estimated resource use for field operations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 12 row-38inch
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Apr	0.3330				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Apr			0.01	0.01	0.00
Glyphosate 3lbs a.e	pt					4.0000				
Lime (Spread)	ton			0.33	Apr	0.3330				
Bed-Rip/Disk Fold.	12R-38	MFWD 225	0.046	1.00	May		0.04	0.04	0.04	0.03
Peanut Plt&Pre Fold.	12R-38	MFWD 225	0.080	1.00	May		0.08	0.08	0.16	0.06
Peanut Seed	lb					150.0000				
Optimize LIFT	oz					14.8000				
Admire Pro	oz					9.0000				
Abound	oz					12.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Dual Magnum	pt					1.0000				
Valor SX	oz					3.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.25	May			0.00	0.00	0.00
Acephate 90%	lb					0.1375				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Convoy	oz					24.0000				
Bravo Weather Stick	pt					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Storm	pt					1.5000				
Cadre	oz					4.0000				
Butyrac 200 (2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bravo Weather Stick	pt					0.7500				
Tebuconazole 3.6	oz					7.2000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Elatus	oz					9.2000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Butyrac 200 (2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Select Max	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Provost Silver	oz					13.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Bravo Weather Stick	pt					0.7500				
Peanut Dig/Invertor	6R-38	MFWD 190	0.124	1.00	Sep		0.12	0.12	0.12	0.09
Peanut Harvester	6R-38	MFWD 225	0.625	1.00	Sep		0.62	0.62	0.62	0.50
Dry Peanuts	ton					1.1400				
Cleaning Peanuts	ton					1.6200				
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
							---	---	---	---
TOTALS							1.30	1.18	1.44	1.04

Note: Cost of production estimates are based on 2023 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 61.D Estimated costs for field operations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 12 row-38inch
All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.14	3.47		3.47
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Glyphosate 3lbs a.e	pt	7.40					0.31	7.71		7.71
Lime (Spread)	ton	17.11					0.71	17.82		17.82
Bed-Rip/Disk Fold.	12R-38		1.53	0.70	1.55		0.13	3.91	5.19	9.10
Peanut Plt&Pre Fold.	12R-38		2.66	4.17	3.43		0.35	10.61	14.44	25.05
Peanut Seed	lb	172.50					5.93	178.43		178.43
Optimize LIFT	oz	8.58					0.29	8.87		8.87
Admire Pro	oz	19.71					0.68	20.39		20.39
Abound	oz	15.48					0.53	16.01		16.01
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Dual Magnum	pt	10.11					0.35	10.46		10.46
Valor SX	oz	9.18					0.32	9.50		9.50
Sprayer 600-825gal	90' 250hp		0.11	0.06	0.10		0.01	0.28	0.44	0.72
Acephate 90%	lb	0.93					0.03	0.96		0.96
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Convoy	oz	24.48					0.67	25.15		25.15
Bravo Weather Stick	pt	2.62					0.07	2.69		2.69
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Storm	pt	19.46					0.54	20.00		20.00
Cadre	oz	8.80					0.24	9.04		9.04
Butyrac 200 (2,4-DB)	pt	3.38					0.09	3.47		3.47
Crop Oil Conc.(Veg.)	pt	5.80					0.16	5.96		5.96
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Bravo Weather Stick	pt	2.62					0.07	2.69		2.69
Tebuconazole 3.6	oz	3.24					0.09	3.33		3.33
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Elatus	oz	33.58					0.69	34.27		34.27
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Butyrac 200 (2,4-DB)	pt	3.38					0.07	3.45		3.45
Crop Oil Conc.(Veg.)	pt	5.80					0.12	5.92		5.92
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Select Max	pt	15.01					0.31	15.32		15.32
Crop Oil Conc.(Veg.)	pt	5.80					0.12	5.92		5.92
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Provost Silver	oz	19.76					0.41	20.17		20.17
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Bravo Weather Stick	pt	2.62					0.04	2.66		2.66
Peanut Dig/Invertor	6R-38		3.47	2.47	4.18		0.07	10.19	11.30	21.49
Peanut Harvester	6R-38		20.70	12.34	21.03		0.37	54.44	89.38	143.82
Dry Peanuts	ton	27.36					0.19	27.55		27.55
Cleaning Peanuts	ton	29.16					0.20	29.36		29.36
Peanut Dump Cart	6-Row		8.67	3.92	10.43		0.16	23.18	27.72	50.90
TOTALS		477.20	41.44	25.86	45.22	0.00	14.74	604.46	166.07	770.53

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 61.E Estimated monthly income and expense flows per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 12 row-38inch
All Areas, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1045.00
DIRECT EXPENSES												
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.48	32.96	53.34	2.62	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.40	19.29	31.64	18.39	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.64	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.50	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.80	11.60	0.00	0.00
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.16
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.36
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	17.11	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.58	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	0.00	0.00	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.45	5.53	1.35	1.80	0.45	35.64
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.43	4.73	1.29	1.72	0.43	32.84
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.22	5.15	0.66	0.88	0.22	18.73
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.21	8.66	2.02	1.80	0.06	0.99
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	30.15	260.56	75.72	89.53	3.78	144.72
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-30.15	-260.56	-75.72	-89.53	-3.78	900.28
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-30.15	-290.71	-366.43	-455.96	-459.74	440.54

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 61.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 2.2 ton (4400 lb) yield, 12 row-38inch
All Areas, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			356.25	380.00	403.75	427.50	451.25	475.00	498.75	522.50	546.25	570.00	593.75
PERCENT	YIELD	UNIT	dollars										
50	1.10	ton	-184	-158	-131	-105	-79	-53	-27	-1	24	50	77
			-350	-324	-297	-271	-245	-219	-193	-167	-141	-115	-88
60	1.32	ton	-111	-80	-48	-17	13	45	76	108	139	170	202
			-277	-246	-214	-183	-152	-120	-89	-58	-26	4	35
70	1.54	ton	-38	-2	34	70	107	144	180	217	253	290	326
			-204	-168	-131	-95	-58	-21	14	51	87	124	160
80	1.76	ton	33	75	117	159	201	242	284	326	368	410	451
			-132	-90	-48	-6	35	76	118	160	202	244	285
90	1.98	ton	106	153	200	247	294	341	388	435	482	529	576
			-59	-12	34	81	128	175	222	269	316	363	410
100	2.20	ton	179	231	283	336	388	440	492	545	597	649	701
			13	65	117	169	222	274	326	378	431	483	535
110	2.42	ton	251	309	366	424	481	539	596	654	711	769	826
			85	143	200	258	315	373	430	488	545	603	660
120	2.64	ton	324	387	450	512	575	638	700	763	826	888	951
			158	221	283	346	409	472	534	597	660	722	785
130	2.86	ton	397	465	533	601	669	736	804	872	940	1008	1076
			231	299	367	435	502	570	638	706	774	842	910
140	3.08	ton	470	543	616	689	762	835	908	982	1055	1128	1201
			303	377	450	523	596	669	742	816	889	962	1035
150	3.30	ton	542	621	699	777	856	934	1012	1091	1169	1248	1326
			376	455	533	611	690	768	846	925	1003	1082	1160

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 62.A Estimated costs per acre
Peanut-runner, 2.5 ton (5,000 lb) yield, 12 row-38inch
Furrow irrigated, All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FUNGICIDES					
Abound	oz	1.29	12.0000	15.48	_____
Convoy	oz	1.02	24.0000	24.48	_____
Bravo Weather Stick	pt	3.49	2.2500	7.85	_____
Tebuconazole 3.6	oz	0.45	7.2000	3.24	_____
Elatus	oz	3.65	9.2000	33.58	_____
Provost Silver	oz	1.52	13.0000	19.76	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	1.85	4.0000	7.40	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
Valor SX	oz	3.06	3.0000	9.18	_____
Storm	pt	12.97	1.5000	19.46	_____
Cadre	oz	2.20	4.0000	8.80	_____
Butyrac 200 (2,4-DB)	pt	3.38	2.0000	6.76	_____
Select Max	pt	15.01	1.0000	15.01	_____
INSECTICIDES					
Admire Pro	oz	2.19	9.0000	19.71	_____
Acephate 90%	lb	6.75	0.1375	0.93	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Peanut Seed	lb	1.15	150.0000	172.50	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	2.90	6.0000	17.40	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.8700	33.66	_____
DRYING					
Dry Peanuts	ton	24.00	1.3200	31.68	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
INOCULANT					
Optimize LIFT	oz	0.58	14.8000	8.58	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	1.2642	23.62	_____
Self-Propelled	hour	18.69	0.1204	2.25	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3250	2.96	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.0804	0.73	_____
Self-Propelled	hour	9.06	0.0602	0.51	_____
UNALLOCATED LABOR	hour	18.73	1.0449	19.58	_____
DIESEL FUEL					
Tractors	gal	2.86	13.6762	39.10	_____
Self-Propelled	gal	2.86	1.5342	4.41	_____
Irrigate Peanuts	gal	2.86	9.7755	27.96	_____
REPAIR & MAINTENANCE					
Implements	acre	12.46	1.0000	12.46	_____
Tractors	acre	11.98	1.0000	11.98	_____
Self-Propelled	acre	2.26	1.0000	2.26	_____
Irrigate Peanuts	acre	7.16	1.0000	7.16	_____
INTEREST ON OP. CAP.	acre	16.17	1.0000	16.17	_____

TOTAL DIRECT EXPENSES				665.66	_____
FIXED EXPENSES					
Implements	acre	61.88	1.0000	61.88	_____
Tractors	acre	92.80	1.0000	92.80	_____
Self-Propelled	acre	18.04	1.0000	18.04	_____
Irrigate Peanuts	acre	74.47	1.0000	74.47	_____

TOTAL FIXED EXPENSES				247.19	_____

TOTAL SPECIFIED EXPENSES				912.85	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 62.B Summary of estimated costs and returns per acre
Peanut-runner, 2.5 ton (5,000 lb) yield, 12 row-38inch
Furrow irrigated, All Areas, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	475.00	2.5000	1187.50	_____

TOTAL INCOME				1187.50	_____
DIRECT EXPENSES					
FUNGICIDES	acre	104.40	1.0000	104.40	_____
HERBICIDES	acre	76.72	1.0000	76.72	_____
INSECTICIDES	acre	20.64	1.0000	20.64	_____
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_____
SEED/PLANTS	acre	172.50	1.0000	172.50	_____
ADJUVANTS	acre	17.40	1.0000	17.40	_____
CLEANING	acre	33.66	1.0000	33.66	_____
DRYING	acre	31.68	1.0000	31.68	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
INOCULANT	acre	8.58	1.0000	8.58	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.1406	1.24	_____
IRRIGATE LABOR	hour	9.06	0.3875	3.53	_____
OPERATOR LABOR	hour	18.69	1.3846	25.87	_____
UNALLOCATED LABOR	hour	18.73	1.0449	19.58	_____
DIESEL FUEL	gal	2.86	24.9860	71.47	_____
REPAIR & MAINTENANCE	acre	33.86	1.0000	33.86	_____
INTEREST ON OP. CAP.	acre	16.17	1.0000	16.17	_____

TOTAL DIRECT EXPENSES				665.66	_____
RETURNS ABOVE DIRECT EXPENSES				521.84	_____
TOTAL FIXED EXPENSES				247.19	_____

TOTAL SPECIFIED EXPENSES				912.85	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				274.65	_____

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 62.C Estimated resource use for field operations, per acre
Peanut-runner, 2.5 ton (5,000 lb) yield, 12 row-38inch
Furrow irrigated, All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Soil Test	acre			0.33	Apr	0.3330				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Apr			0.01	0.01	0.00
Glyphosate 3lbs a.e	pt					4.0000				
Lime (Spread)	ton			0.33	Apr	0.3330				
Bed-Rip/Disk Fold.	12R-38	MFWD 225	0.046	1.00	May		0.04	0.04	0.04	0.03
Peanut Plt&Pre Fold.	12R-38	MFWD 225	0.080	1.00	May		0.08	0.08	0.16	0.06
Peanut Seed	lb					150.0000				
Optimize LIFT	oz					14.8000				
Admire Pro	oz					9.0000				
Abound	oz					12.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Dual Magnum	pt					1.0000				
Valor SX	oz					3.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.25	May			0.00	0.00	0.00
Acephate 90%	lb					0.1375				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Convoy	oz					24.0000				
Bravo Weather Stick	pt					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Storm	pt					1.5000				
Cadre	oz					4.0000				
Butyrac 200 (2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bravo Weather Stick	pt					0.7500				
Tebuconazole 3.6	oz					7.2000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Elatus	oz					9.2000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Butyrac 200 (2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Select Max	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Provost Silver	oz					13.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Bravo Weather Stick	pt					0.7500				
Peanut Dig/Invertor	6R-38	MFWD 190	0.124	1.00	Sep		0.12	0.12	0.12	0.09
Peanut Harvester	6R-38	MFWD 225	0.625	1.00	Sep		0.62	0.62	0.62	0.50
Dry Peanuts	ton					1.3200				
Cleaning Peanuts	ton					1.8700				
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Irrigate Peanuts	acre				Jan	1.0000	0.07	0.07	0.46	
TOTALS							1.38	1.26	1.91	1.04

Note: Cost of production estimates are based on 2023 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 62.D Estimated costs for field operations, per acre
Peanut-runner, 2.5 ton (5,000 lb) yield, 12 row-38inch
Furrow irrigated, All Areas, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.14	3.47		3.47
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Glyphosate 3lbs a.e	pt	7.40					0.31	7.71		7.71
Lime (Spread)	ton	17.11					0.71	17.82		17.82
Bed-Rip/Disk Fold.	12R-38		1.53	0.70	1.55		0.13	3.91	5.19	9.10
Peanut Plt&Pre Fold.	12R-38		2.66	4.17	3.43		0.35	10.61	14.44	25.05
Peanut Seed	lb	172.50					5.93	178.43		178.43
Optimize LIFT	oz	8.58					0.29	8.87		8.87
Admire Pro	oz	19.71					0.68	20.39		20.39
Abound	oz	15.48					0.53	16.01		16.01
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Dual Magnum	pt	10.11					0.35	10.46		10.46
Valor SX	oz	9.18					0.32	9.50		9.50
Sprayer 600-825gal	90' 250hp		0.11	0.06	0.10		0.01	0.28	0.44	0.72
Acephate 90%	lb	0.93					0.03	0.96		0.96
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Convoy	oz	24.48					0.67	25.15		25.15
Bravo Weather Stick	pt	2.62					0.07	2.69		2.69
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Storm	pt	19.46					0.54	20.00		20.00
Cadre	oz	8.80					0.24	9.04		9.04
Butyrac 200 (2,4-DB)	pt	3.38					0.09	3.47		3.47
Crop Oil Conc.(Veg.)	pt	5.80					0.16	5.96		5.96
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Bravo Weather Stick	pt	2.62					0.07	2.69		2.69
Tebuconazole 3.6	oz	3.24					0.09	3.33		3.33
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Elatus	oz	33.58					0.69	34.27		34.27
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Butyrac 200 (2,4-DB)	pt	3.38					0.07	3.45		3.45
Crop Oil Conc.(Veg.)	pt	5.80					0.12	5.92		5.92
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Select Max	pt	15.01					0.31	15.32		15.32
Crop Oil Conc.(Veg.)	pt	5.80					0.12	5.92		5.92
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Provost Silver	oz	19.76					0.41	20.17		20.17
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Bravo Weather Stick	pt	2.62					0.04	2.66		2.66
Peanut Dig/Invertor	6R-38		3.47	2.47	4.18		0.07	10.19	11.30	21.49
Peanut Harvester	6R-38		20.70	12.34	21.03		0.37	54.44	89.38	143.82
Dry Peanuts	ton	31.68					0.22	31.90		31.90
Cleaning Peanuts	ton	33.66					0.23	33.89		33.89
Peanut Dump Cart	6-Row		8.67	3.92	10.43		0.16	23.18	27.72	50.90
Irrigate Peanuts	acre	7.92	30.03	8.00	5.00		1.37	52.32	81.12	133.44
TOTALS		493.94	71.47	33.86	50.22	0.00	16.17	665.66	247.19	912.85

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 62.E Estimated monthly income and expense flows per acre
Peanut-runner, 2.5 ton (5,000 lb) yield, 12 row-38inch
Furrow irrigated, All Areas, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1187.50
DIRECT EXPENSES												
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.48	32.96	53.34	2.62	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.40	19.29	31.64	18.39	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.64	0.00	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.50	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.80	11.60	0.00	0.00
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.66
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.68
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	17.11	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.58	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	0.00	0.00	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00
LABOR	0.71	0.00	0.00	0.00	0.00	0.00	0.68	7.98	1.58	2.26	1.37	35.64
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.06	0.00	0.00	0.00	0.00	0.00	0.43	5.27	8.28	15.70	7.89	32.84
REPAIR & MAINTENANCE	0.42	0.00	0.00	0.00	0.00	0.00	0.22	8.33	1.71	2.98	1.47	18.73
INTEREST ON OP. CAP.	0.18	0.00	0.00	0.00	0.00	0.00	1.22	9.14	2.25	2.14	0.19	1.05
TOTAL DIRECT EXPENSES	2.37	0.00	0.00	0.00	0.00	0.00	30.39	275.13	84.22	106.41	13.54	153.60
NET INCOME	-2.37	0.00	0.00	0.00	0.00	0.00	-30.39	-275.13	-84.22	-106.41	-13.54	1033.90
NET INCOME TO DATE	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37	-32.76	-307.89	-392.11	-498.52	-512.06	521.84

Note: Cost of production estimates are based on 2024 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 62.F Estimated returns for various price/yield combinations, per acre
Peanut-runner, 2.5 ton (5,000 lb) yield, 12 row-38inch
Furrow irrigated, All Areas, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			356.25	380.00	403.75	427.50	451.25	475.00	498.75	522.50	546.25	570.00	593.75
PERCENT	YIELD	UNIT	dollars										
50	1.25	ton	-187	-157	-128	-98	-68	-39	-9	20	50	79	109
			-434	-404	-375	-345	-315	-286	-256	-226	-197	-167	-137
60	1.50	ton	-104	-69	-33	1	37	73	108	144	180	215	251
			-352	-316	-280	-245	-209	-174	-138	-102	-67	-31	4
70	1.75	ton	-22	19	60	102	143	185	226	268	310	351	393
			-269	-228	-186	-144	-103	-61	-20	21	62	104	145
80	2.00	ton	59	107	154	202	249	297	344	392	439	487	534
			-187	-139	-92	-44	2	50	97	145	192	240	287
90	2.25	ton	142	195	249	302	356	409	463	516	569	623	676
			-104	-51	2	55	109	162	215	269	322	376	429
100	2.50	ton	224	284	343	403	462	521	581	640	699	759	818
			-22	37	96	155	215	274	334	393	452	512	571
110	2.75	ton	307	372	438	503	568	634	699	764	829	895	960
			60	125	190	256	321	386	452	517	582	648	713
120	3.00	ton	389	461	532	603	674	746	817	888	959	1031	1102
			142	213	285	356	427	498	570	641	712	783	855
130	3.25	ton	472	549	626	703	781	858	935	1012	1089	1167	1244
			225	302	379	456	533	611	688	765	842	919	997
140	3.50	ton	554	638	721	804	887	970	1053	1136	1219	1303	1386
			307	390	473	557	640	723	806	889	972	1055	1138
150	3.75	ton	637	726	815	904	993	1082	1171	1260	1349	1438	1528
			390	479	568	657	746	835	924	1013	1102	1191	1280

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

APPENDIX

Appendix Table 1. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Mississippi, 2025

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	$/hour					
Combine (250-299 hp)	265 hp	463,000	300	8	13.64	18.69	39.01	48.22	105.92	230.93	336.86
Combine (300-349 hp)	325 hp	538,000	300	8	16.73	18.69	47.84	56.04	122.57	268.33	390.91
Combine (350-399 hp)	355 hp	556,000	300	8	18.27	18.69	52.25	57.91	128.85	277.31	406.17
Combine (400-449 hp)	425 hp	562,000	300	8	21.87	18.69	62.56	58.54	139.79	280.30	420.10
Combine (450-499hp)	475 hp	592,000	300	8	24.44	18.69	69.92	61.66	150.28	295.27	445.55
Tractor(20-39hp)CB	MFWD 30	38,500	600	8	1.54	18.69	4.41	1.20	24.30	9.00	33.31
Tractor(20-39hp)RB	MFWD 30	28,100	600	8	1.54	18.69	4.41	0.87	23.98	6.57	30.55
Tractor(40-59hp)CB	2WD 50	39,900	600	8	2.57	18.69	7.36	1.24	27.29	9.33	36.63
Tractor(40-59hp)CB	MFWD 50	50,600	600	8	2.57	18.69	7.36	1.58	27.63	11.84	39.47
Tractor(40-59hp)RB	2WD 50	29,100	600	8	2.57	18.69	7.36	0.90	26.95	6.80	33.76
Tractor(40-59hp)RB	MFWD 50	33,800	600	8	2.57	18.69	7.36	1.05	27.10	7.90	35.01
Tractor(60-89hp)CB	2WD 75	69,500	600	8	3.86	18.69	11.04	2.17	31.90	16.26	48.16
Tractor(60-89hp)CB	MFWD 75	79,000	600	8	3.86	18.69	11.04	2.46	32.19	18.48	50.68
Tractor(60-89hp)RB	2WD 75	60,100	600	8	3.86	18.69	11.04	1.87	31.60	14.06	45.67
Tractor(60-89hp)RB	MFWD 75	53,400	600	8	3.86	18.69	11.04	1.66	31.39	12.49	43.89
Tractor(90-119hp)CB	2WD 105	96,900	600	8	5.40	18.69	15.45	3.02	37.17	22.67	59.84
Tractor(90-119hp)CB	MFWD 105	109,900	600	8	5.40	18.69	15.45	3.43	37.58	25.71	63.29
Tractor(90-119hp)RB	2WD 105	91,600	600	8	5.40	18.69	15.45	2.86	37.00	21.43	58.44
Tractor(90-119hp)RB	MFWD 105	97,400	600	8	5.40	18.69	15.45	3.04	37.19	22.79	59.98
Tractor(120-139hp)CB	2WD 130	127,900	600	8	6.69	18.69	19.13	3.99	41.82	29.92	71.75
Tractor(120-139hp)CB	MFWD 130	165,700	600	8	6.69	18.69	19.13	5.17	43.00	38.77	81.77
Tractor(140-159hp)	2WD 150	152,300	600	8	7.72	18.69	22.08	4.75	45.53	35.63	81.16
Tractor(140-159hp)CB	MFWD 150	179,700	600	8	7.72	18.69	22.08	5.61	46.38	42.04	88.43
Tractor(160-179hp)CB	MFWD 170	217,000	600	8	8.75	18.69	25.02	6.78	50.49	52.44	102.94
Tractor(180-199hp)CB	MFWD 190	274,000	600	8	9.77	18.69	27.97	8.56	55.22	66.22	121.44
Tractor(200-249hp)CB	MFWD 225	327,000	600	8	11.58	18.69	33.12	10.21	62.03	79.03	141.06
Tractor(250-349hp)CB	4WD 300	452,000	600	8	15.44	18.69	44.16	14.12	76.97	109.24	186.22
Tractor(250-349hp)CB	MFWD 300	392,000	600	8	15.44	18.69	44.16	12.25	75.10	94.74	169.84
Tractor(250-349hp)CB	Track 300	329,000	600	8	15.44	18.69	44.16	10.28	73.13	79.51	152.65
Tractor(350-449hp)	Track 400	635,000	600	8	20.58	18.69	58.88	19.84	97.41	153.47	250.89
Tractor(350-449hp)CB	4WD 400	501,000	600	8	20.58	18.69	58.88	15.65	93.23	121.08	214.31
Tractor(450-550hp)CB	4WD 500	577,000	600	8	25.73	18.69	73.60	18.03	110.32	139.45	249.78
Tractor(450-550hp)CB	Track 500	683,000	600	8	25.73	18.69	73.60	21.34	113.63	165.07	278.71
Utility Vehicle	800 CC	12,200	200	8	0.70	18.69	2.07	1.90	22.66	9.12	31.79
Utility Vehicle	900 CC	18,700	200	8	1.00	18.69	2.96	2.92	24.57	13.99	38.56

Notes:
Labor: Includes allocated labor from power unit.
Total Direct: Does not include interest on operating capital.

Appendix Table 2. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Mississippi, 2025

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	----------$/acre----------					
Cotton Picker	4R-38(250)	268,000	200	8	12.86	0.257	7.15	9.48	10.79	27.43	51.68	79.12
Cotton Picker	4R-38(350)	351,000	200	8	18.01	0.257	7.15	13.28	14.13	34.57	67.69	102.26
Cotton Picker	4R2x1(350)	357,000	200	8	18.01	0.172	4.78	8.87	9.61	23.27	46.02	69.29
Cotton Picker	6R-30(355)	465,000	200	8	18.27	0.218	6.05	11.40	15.85	33.31	75.92	109.24
Cotton Picker	6R-38(355)	465,000	200	8	18.27	0.172	4.78	9.00	12.51	26.30	59.94	86.25
Cotton Picker/Modu	4R-38(365)	536,000	200	8	20.58	0.257	7.15	15.17	21.58	43.92	103.37	147.29
Cotton Picker/Module	6R-30(500)	1,081,000	200	8	25.73	0.218	6.05	16.06	36.86	58.98	176.51	235.49
Cotton Picker/Module	6R-38(500)	1,084,000	200	8	25.73	0.172	4.78	12.68	29.18	46.64	139.74	186.39
Dry Applicator SP	70'300cuft	491,000	350	8	16.98	0.015	0.35	0.73	0.39	1.48	3.17	4.65
Sprayer 600-750gal	60' 175hp	216,000	350	8	9.00	0.017	0.40	0.45	0.20	1.06	1.62	2.69
Sprayer 600-825gal	80' 175hp	273,000	350	8	11.81	0.013	0.30	0.44	0.19	0.94	1.54	2.48
Sprayer 600-825gal	90' 250hp	351,000	350	8	12.73	0.011	0.27	0.42	0.22	0.92	1.76	2.68
Sprayer 800gal	100' 250hp	383,000	350	8	14.15	0.010	0.24	0.42	0.21	0.89	1.73	2.62
Sprayer 800gal	80' 250hp	287,000	350	8	12.86	0.013	0.30	0.48	0.20	0.99	1.62	2.61
Sprayer 1000-1400gal	90' 275hp	381,000	350	8	14.15	0.010	0.24	0.42	0.21	0.88	1.72	2.61
Sprayer 1000gal	100' 300hp	528,000	350	8	15.44	0.010	0.24	0.46	0.29	1.01	2.38	3.40
Sprayer 1200+gal	120' 300hp	519,000	350	8	15.44	0.008	0.20	0.38	0.24	0.83	1.95	2.79

Notes:
Labor: includes allocated labor plus any additional labor from self-propelled machine.
Direct: Does not include interest on operating capital.

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
Bed-Paratill w/ro	4R-30	MFWD 225	27,800	150	12	0.204	3.81	6.76	2.05	2.08	14.72	4.57	16.14	35.44
Bed-Paratill w/ro	4R-38	MFWD 225	27,800	150	12	0.160	3.00	5.32	1.61	1.64	11.59	3.60	12.71	27.91
Bed-Paratill w/ro	6R-38	MFWD 225	38,000	150	12	0.107	2.00	3.56	1.47	1.09	8.14	3.29	8.49	19.93
Bed-Rip/Disk Fold.	8R-38	MFWD 190	71,000	300	20	0.073	1.36	2.04	0.25	0.62	4.29	1.72	4.83	10.85
Bed-Rip/Disk Fold.	12R-30	MFWD 225	100,200	300	20	0.061	1.15	2.04	0.30	0.62	4.13	2.04	4.87	11.04
Bed-Rip/Disk Fold.	12R-38	MFWD 225	100,200	300	20	0.046	0.86	1.53	0.23	0.47	3.09	1.53	3.65	8.28
Bed-Rip/Disk Rigid	4R-30	MFWD 190	31,500	300	20	0.184	3.45	5.17	0.29	1.58	10.50	1.93	12.24	24.67
Bed-Rip/Disk Rigid	4R-38	MFWD 190	31,500	300	20	0.146	2.74	4.10	0.23	1.25	8.33	1.53	9.71	19.58
Bed-Rip/Disk Rigid	6R-30	MFWD 190	43,600	300	20	0.123	2.30	3.44	0.26	1.05	7.07	1.78	8.16	17.01
Bed-Rip/Disk Rigid	6R-38	MFWD 190	43,600	300	20	0.097	1.81	2.72	0.21	0.83	5.58	1.40	6.44	13.43
Bed-Rip/Disk Rigid	8R-30	MFWD 190	57,800	300	20	0.139	2.59	3.88	0.40	1.19	8.07	2.66	9.20	19.94
Bed-Rip/Disk Rigid	8R-38	MFWD 190	57,800	300	20	0.073	1.36	2.04	0.21	0.62	4.24	1.40	4.83	10.48
Bed-Rip/Disk/Cond.	6-Row	MFWD 225	43,600	150	12	0.107	2.00	3.56	1.69	1.09	8.36	3.77	8.49	20.63
Bed-Rip/Disk/Cond.	8-Row	MFWD 225	57,800	150	12	0.080	1.50	2.67	1.68	0.82	6.69	3.75	6.38	16.83
Bed-Subsoil Fold	8R-38	MFWD 225	71,000	150	12	0.080	1.50	2.67	2.07	0.82	7.08	4.61	6.38	18.08
Bed-Subsoil Fold	8R-38 2x1	MFWD 225	100,200	150	12	0.053	1.00	1.78	1.94	0.54	5.28	4.33	4.24	13.86
Bed-Subsoil Fold	12R-38	MFWD 225	100,200	150	12	0.053	1.00	1.78	1.94	0.54	5.28	4.33	4.24	13.86
Bed-Subsoil Rigid	4R-30	MFWD 225	26,100	150	12	0.204	3.81	6.76	1.92	2.08	14.60	4.29	16.14	35.04
Bed-Subsoil Rigid	4R-38	MFWD 225	27,800	150	12	0.160	3.00	5.32	1.61	1.64	11.59	3.60	12.71	27.91
Bed-Subsoil Rigid	6R-30	MFWD 225	36,300	150	12	0.136	2.54	4.51	1.78	1.39	10.23	3.98	10.76	24.98
Bed-Subsoil Rigid	6R-38	MFWD 225	37,700	150	12	0.107	2.00	3.56	1.46	1.09	8.13	3.26	8.49	19.89
Bed-Subsoil Rigid	8R-30	MFWD 225	48,500	150	12	0.102	1.90	3.38	1.78	1.04	8.12	3.99	8.07	20.19
Bed-Subsoil Rigid	8R-38	MFWD 225	50,100	150	12	0.080	1.50	2.67	1.46	0.82	6.47	3.25	6.38	16.11
Bed/Disk (Hipper)	4R-38	MFWD 150	15,700	160	10	0.147	2.75	3.26	0.57	0.82	7.42	1.91	6.20	15.55
Bed/Disk (Hipper)	6R-38	MFWD 170	23,600	160	10	0.098	1.84	2.46	0.58	0.66	5.56	1.92	5.17	12.66
Bed/Disk (Hipper)	8R-30	MFWD 190	32,600	160	10	0.093	1.75	2.62	0.76	0.80	5.94	2.52	6.20	14.67
Bed/Disk (Hipper)	8R-38 2x1	MFWD 190	114,000	160	10	0.049	0.92	1.38	1.40	0.42	4.13	4.64	3.26	12.04
Bed/Disk (Hipper)	12R-30	MFWD 225	87,500	160	10	0.062	1.16	2.07	1.36	0.63	5.24	4.51	4.93	14.70
Bed/Disk (Hipper)	12R-38	MFWD 225	114,000	160	10	0.049	0.92	1.63	1.40	0.50	4.46	4.64	3.89	13.01
Bed/Disk (Hipper)	16R40	MFWD 300	135,000	160	10	0.035	0.66	1.56	1.19	0.43	3.85	3.94	3.35	11.14
Bed/Disk (Hipper)Fl	8R-38	MFWD 190	45,800	160	10	0.074	1.38	2.07	0.84	0.63	4.94	2.80	4.90	12.65
Bed/Disk (Hipper)Rd	8R-38	MFWD 190	33,800	160	10	0.074	1.38	2.07	0.62	0.63	4.71	2.06	4.90	11.69
Bed/Disk w/roller	8R-30	MFWD 190	59,900	160	10	0.093	1.75	2.62	1.40	0.80	6.58	4.63	6.20	17.42
Bed/Disk w/roller	8R-38	MFWD 190	68,500	160	10	0.074	1.38	2.07	1.26	0.63	5.36	4.19	4.90	14.46
Bed/Disk w/roller	12R-30/40	MFWD 225	113,000	160	10	0.062	1.16	2.07	1.76	0.63	5.64	5.83	4.93	16.41
Bed/Lister	4R-38	MFWD 150	31,900	160	8	0.228	4.26	5.04	1.70	1.28	12.30	6.60	9.60	28.50
Bed/Lister	6R-38	MFWD 150	36,000	160	8	0.120	2.24	2.65	1.01	0.67	6.58	3.92	5.05	15.56
Bed/Lister	8R-30	MFWD 190	48,300	160	8	0.114	2.13	3.19	1.29	0.97	7.59	4.99	7.56	20.15
Bed/Lister	8R-38	MFWD 190	48,700	160	8	0.090	1.68	2.52	1.03	0.77	6.01	3.98	5.97	15.97
Bed/Lister	8R-38 2x1	MFWD 190	81,500	160	8	0.060	1.12	1.68	1.14	0.51	4.46	4.43	3.98	12.88
Bed/Lister	12R-38	MFWD 225	81,500	160	8	0.060	1.12	1.99	1.14	0.61	4.87	4.43	4.74	14.06
Bed/Lister	16R-30	MFWD 225	94,300	160	8	0.035	0.65	1.16	0.77	0.35	2.95	3.00	2.77	8.73
Bed/Lister	16R40	MFWD 300	99,200	160	8	0.043	0.80	1.90	1.00	0.52	4.23	3.87	4.08	12.19
Bed/Lister-Roll-Fo	8R-38	MFWD 190	31,400	160	10	0.095	1.79	2.68	0.75	0.82	6.04	2.48	6.35	14.88
Bed/Lister-Roll-Fo	12R-30	MFWD 225	65,100	160	10	0.080	1.51	2.67	1.31	0.82	6.33	4.34	6.39	17.07
Bed/Lister-Roll-Fo	12R-38	MFWD 225	48,700	160	10	0.063	1.19	2.11	0.77	0.65	4.73	2.56	5.04	12.35
Bed/Lister-Roll-Fo	16R-30	MFWD 225	61,600	160	10	0.060	1.13	2.00	0.93	0.61	4.69	3.08	4.79	12.57
Bed/Lister-Roll-Ri	8R-38	MFWD 190	25,000	160	10	0.095	1.79	2.68	0.59	0.82	5.89	1.98	6.35	14.22
Blade-Box	6'-7'	MFWD 105	2,080	200	20	0.020	0.37	0.30	0.01	0.06	0.76	0.02	0.45	1.24
Blade-Box	8'-10'	MFWD 105	3,790	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Box	12'-16'	MFWD 105	7,580	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	6'-7'	MFWD 105	1,760	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	8'-10'	MFWD 105	5,840	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	12'-16'	MFWD 105	12,200	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boll Buggy	4R-38(250)	MFWD 190	30,500	200	10	0.257	4.81	7.21	1.96	2.20	16.20	5.06	17.07	38.33
Boll Buggy	4R-38(350)	MFWD 190	30,500	200	10	0.257	4.81	7.21	1.96	2.20	16.20	5.06	17.07	38.33
Boll Buggy	4R2x1(350)	MFWD 190	30,500	200	10	0.172	3.22	4.81	1.31	1.47	10.82	3.38	11.41	25.62
Boll Buggy	6R-30(355)	MFWD 190	30,500	200	10	0.218	4.07	6.10	1.66	1.86	13.71	4.28	14.45	32.45
Boll Buggy	6R-38(355)	MFWD 190	30,500	200	10	0.172	3.22	4.81	1.31	1.47	10.82	3.38	11.41	25.62
Chisel Plow-Folding	24'	MFWD 190	59,800	150	12	0.076	1.42	2.13	1.65	0.65	5.87	3.68	5.06	14.61
Chisel Plow-Folding	32'	MFWD 225	76,500	150	12	0.057	1.07	1.91	1.59	0.59	5.17	3.55	4.56	13.30
Chisel Plow-Folding	42'	MFWD 225	88,600	150	12	0.044	0.82	1.45	1.40	0.44	4.13	3.14	3.47	10.75
Chisel Plow-Folding	50'	MFWD 225	113,000	150	12	0.036	0.69	1.22	1.50	0.37	3.80	3.36	2.92	10.08
Chisel Plow-Folding	61'	MFWD 225	141,000	150	12	0.030	0.56	1.00	1.54	0.30	3.42	3.44	2.39	9.26
Chisel Plow-Rigid	10'	MFWD 170	16,100	150	12	0.184	3.45	4.62	1.07	1.25	10.41	2.39	9.69	22.50
Chisel Plow-Rigid	15'	2WD 130	20,100	150	12	0.123	2.30	2.35	0.89	0.49	6.04	1.99	3.68	11.73
Chisel Plow-Rigid	20'	MFWD 225	13,400	150	12	0.102	1.91	3.40	0.49	1.04	6.86	1.10	8.11	16.09
Cultivate	4R-30	2WD 105	21,500	150	10	0.206	3.85	3.18	1.18	0.62	8.84	3.90	4.67	17.43
Cultivate	4R-38	2WD 105	21,500	150	10	0.162	3.03	2.51	0.93	0.46	6.94	3.07	3.48	13.49
Cultivate	6R-30	MFWD 150	28,100	150	10	0.137	2.56	3.03	1.03	0.77	7.40	3.40	5.78	16.59
Cultivate	6R-38	MFWD 150	28,000	150	10	0.108	2.02	2.39	0.81	0.60	5.84	2.67	4.56	13.08
Cultivate	8R-30	MFWD 190	36,300	150	10	0.103	1.92	2.88	0.99	0.88	6.69	3.29	6.82	16.82
Cultivate	8R-38	MFWD 190	43,200	150	10	0.073	1.37	2.06	0.84	0.63	4.91	2.80	4.87	12.59
Cultivate	8R-38 2x1	MFWD 190	60,200	150	10	0.054	1.01	1.51	0.87	0.46	3.86	2.87	3.59	10.34
Cultivate	12R-30	MFWD 225	62,000	150	10	0.068	1.28	2.27	1.13	0.70	5.40	3.75	5.43	14.59
Cultivate	12R-38	MFWD 225	60,200	150	10	0.054	1.01	1.79	0.87	0.55	4.23	2.87	4.28	11.40
Cultivate	16R-30	MFWD 225	83,400	150	10	0.051	0.96	1.70	1.14	0.52	4.34	3.78	4.07	12.20
Cultivate & Post	4R-30	2WD 105	27,300	150	10	0.220	5.10	3.40	1.60	0.62	10.74	5.29	4.71	20.74
Cultivate & Post	4R-38	2WD 105	27,300	150	10	0.173	4.02	2.67	1.26	0.49	8.45	4.16	3.71	16.33
Cultivate & Post	6R-30	MFWD 150	33,900	150	10	0.146	3.40	3.23	1.32	0.82	8.79	4.38	6.16	19.34
Cultivate & Post	6R-38	MFWD 150	33,800	150	10	0.115	2.68	2.55	1.04	0.65	6.93	3.44	4.86	15.25
Cultivate & Post	8R-30	MFWD 190	44,100	150	10	0.110	2.55	3.07	1.29	0.94	7.86	4.27	7.28	19.42
Cultivate & Post	8R-38	MFWD 190	49,100	150	10	0.086	2.01	2.43	1.13	0.74	6.33	3.76	5.75	15.85

(continued)

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
Cultivate & Post	8R-38 2x1	MFWD 190	66,000	150	10	0.057	1.34	1.61	1.01	0.49	4.47	3.36	3.83	11.67
Cultivate & Post	12R-30	MFWD 225	67,800	150	10	0.073	1.70	2.42	1.32	0.74	6.20	4.38	5.79	16.38
Cultivate & Post	12R-38	MFWD 225	66,000	150	10	0.057	1.34	1.91	1.01	0.59	4.87	3.36	4.57	12.81
Cultivate & Post	16R-30	MFWD 225	89,200	150	10	0.055	1.27	1.82	1.30	0.56	4.96	4.32	4.34	13.63
Disk & Incorporate	14'	2WD 130	42,100	200	10	0.149	3.47	2.86	1.89	0.59	8.82	4.16	4.47	17.47
Disk & Incorporate	20'	MFWD 190	83,300	200	10	0.092	2.14	2.58	2.31	0.79	7.83	5.08	6.12	19.04
Disk & Incorporate	24'	MFWD 190	71,800	200	10	0.087	2.02	2.44	1.88	0.74	7.09	4.14	5.78	17.02
Disk & Incorporate	28'	MFWD 225	82,000	200	10	0.074	1.73	2.47	1.84	0.76	6.82	4.05	5.91	16.79
Disk & Incorporate	32'	MFWD 225	93,300	200	10	0.065	1.52	2.16	1.83	0.66	6.19	4.03	5.17	15.40
Disk Harrow	14'	2WD 130	36,300	180	10	0.140	2.62	2.68	1.41	0.56	7.28	3.74	4.19	15.22
Disk Harrow	20'	MFWD 190	77,500	180	10	0.098	1.83	2.74	2.11	0.84	7.53	5.58	6.50	19.63
Disk Harrow	24'	MFWD 190	65,900	180	10	0.081	1.52	2.28	1.49	0.70	6.01	3.96	5.42	15.39
Disk Harrow	28'	MFWD 225	76,200	180	10	0.070	1.31	2.32	1.48	0.71	5.83	3.92	5.54	15.30
Disk Harrow	32'	MFWD 225	87,500	180	10	0.061	1.14	2.03	1.49	0.62	5.29	3.94	4.85	14.09
Disk Harrow	42'	MFWD 225	139,000	180	10	0.046	0.87	1.54	1.80	0.47	4.70	4.77	3.69	13.17
Disk Harrow 40-100hp	14'	2WD 75	24,600	180	10	0.140	2.62	1.54	0.95	0.26	5.39	2.53	1.97	9.90
Disk Heavy	14'	MFWD 150	36,300	180	10	0.145	2.72	3.22	1.47	0.81	8.24	3.89	6.13	18.26
Disk Heavy	20'	MFWD 190	77,500	180	10	0.097	1.81	2.72	2.09	0.83	7.46	5.53	6.44	19.44
Disk Heavy	28'	MFWD 225	76,200	180	10	0.075	1.41	2.50	1.60	0.77	6.29	4.23	5.98	16.51
Disk Ripper	15'	MFWD 225	68,600	180	10	0.136	2.54	4.51	2.59	1.39	11.04	6.86	10.76	28.67
Ditcher		2WD 130	6,720	200	10	0.020	0.37	0.38	0.05	0.07	0.89	0.08	0.59	1.57
Ditcher (1m/160a)		2WD 130	6,720	200	10	0.009	0.17	0.17	0.02	0.03	0.41	0.04	0.28	0.73
Fert Appl (Liquid)	4R-38	MFWD 150	25,400	150	8	0.154	3.59	3.41	2.61	0.86	10.49	3.67	6.50	20.67
Fert Appl (Liquid)	6R-30	MFWD 170	25,300	150	8	0.130	3.04	3.27	2.20	0.88	9.41	3.10	6.86	19.38
Fert Appl (Liquid)	6R-38	MFWD 170	25,300	150	8	0.103	2.40	2.58	1.74	0.70	7.43	2.44	5.42	15.30
Fert Appl (Liquid)	8R-30	MFWD 190	26,300	150	8	0.098	2.28	2.74	1.72	0.84	7.59	2.41	6.50	16.51
Fert Appl (Liquid)	8R-38	MFWD 190	29,500	150	8	0.077	1.80	2.17	1.52	0.66	6.16	2.14	5.14	13.45
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	32,900	150	8	0.051	1.20	1.44	1.13	0.44	4.22	1.59	3.42	9.23
Fert Appl (Liquid)	12R-30	MFWD 225	36,200	150	8	0.078	1.82	2.60	1.89	0.80	7.12	2.66	6.20	15.99
Fert Appl (Liquid)	12R-38	MFWD 225	31,100	150	8	0.051	1.20	1.71	1.07	0.52	4.51	1.50	4.08	10.10
Field Cult & Inc	42'	MFWD 225	97,800	100	10	0.037	0.87	1.25	0.92	0.38	3.43	4.88	2.98	11.30
Field Cult & Inc	50'	MFWD 225	105,000	100	10	0.031	0.73	1.05	0.83	0.32	2.94	4.40	2.50	9.85
Field Cult & Inc Fld	24'	MFWD 170	47,900	100	10	0.066	1.53	1.65	0.79	0.44	4.42	4.18	3.46	12.08
Field Cult & Inc Fld	32'	MFWD 190	69,400	100	10	0.049	1.15	1.38	0.86	0.42	3.82	4.54	3.28	11.65
Field Cult & Inc Rdg	12'	2WD 150	23,200	100	10	0.132	3.06	2.91	0.76	0.62	7.38	4.05	4.71	16.15
Field Cultivate Fld	24'	MFWD 170	42,100	100	10	0.062	1.16	1.55	0.65	0.42	3.79	3.46	3.26	10.52
Field Cultivate Fld	32'	MFWD 190	63,600	100	10	0.046	0.87	1.30	0.74	0.39	3.31	3.92	3.08	10.33
Field Cultivate Fld	42'	MFWD 225	87,500	100	10	0.035	0.66	1.17	0.77	0.36	2.98	4.11	2.80	9.90
Field Cultivate Fld	50'	MFWD 225	95,700	100	10	0.029	0.55	0.98	0.71	0.30	2.56	3.77	2.35	8.70
Field Cultivate Rdg	12'	2WD 150	17,400	100	10	0.124	2.32	2.74	0.54	0.59	6.20	2.86	4.43	13.50
Grain Cart Corn	500 bu	MFWD 190	36,400	200	12	0.025	0.47	0.70	0.24	0.21	1.64	0.55	1.67	3.87
Grain Cart Corn	700 bu	MFWD 190	52,400	200	12	0.025	0.47	0.70	0.35	0.21	1.75	0.80	1.67	4.23
Grain Cart Corn	1000 bu	MFWD 225	72,800	200	12	0.025	0.47	0.83	0.49	0.25	2.06	1.11	1.99	5.18
Grain Cart Rice	500 bu	MFWD 190	36,400	200	12	0.062	1.16	1.74	0.61	0.53	4.06	1.37	4.13	9.58
Grain Cart Rice	700 bu	MFWD 190	52,400	200	12	0.055	1.02	1.53	0.78	0.47	3.81	1.74	3.64	9.20
Grain Cart Rice	1000 bu	MFWD 190	72,800	200	12	0.045	0.85	1.28	0.90	0.39	3.43	2.01	3.03	8.48
Grain Cart Soybean	500 bu	MFWD 190	36,400	200	12	0.025	0.47	0.71	0.25	0.21	1.65	0.56	1.68	3.90
Grain Cart Soybean	700 bu	MFWD 190	52,400	200	12	0.021	0.39	0.59	0.30	0.18	1.47	0.67	1.40	3.55
Grain Cart Soybean	1000 bu	MFWD 190	72,800	200	12	0.021	0.39	0.59	0.41	0.18	1.59	0.93	1.40	3.93
Grain Cart Wht/Sor	500 bu	MFWD 190	36,400	200	12	0.025	0.47	0.71	0.25	0.21	1.65	0.56	1.68	3.90
Grain Cart Wht/Sor	700 bu	MFWD 190	52,400	200	12	0.021	0.39	0.59	0.30	0.18	1.47	0.67	1.40	3.55
Grain Cart Wht/Sor	1000 bu	MFWD 190	72,800	200	12	0.021	0.39	0.59	0.41	0.18	1.59	0.93	1.40	3.93
Grain Drill	10'	2WD 130	46,400	150	8	0.188	5.23	3.60	3.28	0.75	12.87	7.92	5.64	26.44
Grain Drill	12'	2WD 130	55,400	150	8	0.157	4.36	3.00	3.26	0.62	11.26	7.88	4.70	23.84
Grain Drill	15'	MFWD 150	49,900	150	8	0.125	3.48	2.77	2.35	0.70	9.32	5.67	5.28	20.28
Grain Drill	20'	MFWD 170	55,100	150	8	0.094	2.61	2.35	1.94	0.63	7.56	4.70	4.94	17.21
Grain Drill	24'	MFWD 190	86,500	150	8	0.078	2.18	2.19	2.54	0.67	7.59	6.15	5.20	18.95
Grain Drill	30'	MFWD 225	101,500	150	8	0.062	1.74	2.08	2.39	0.64	6.86	5.77	4.96	17.60
Grain Drill	35'	MFWD 225	117,000	150	8	0.053	1.49	1.78	2.36	0.55	6.19	5.70	4.25	16.15
Grain Drill & Pre	10'	2WD 130	52,200	150	8	0.203	5.63	3.88	3.97	0.81	14.30	9.59	6.07	29.98
Grain Drill & Pre	12'	2WD 130	61,200	150	8	0.169	4.69	3.23	3.88	0.67	12.49	9.37	5.06	26.93
Grain Drill & Pre	15'	MFWD 150	55,700	150	8	0.135	3.75	2.98	2.82	0.76	10.33	6.82	5.69	22.85
Grain Drill & Pre	20'	MFWD 170	60,900	150	8	0.101	2.81	2.54	2.31	0.68	8.36	5.59	5.32	19.28
Grain Drill & Pre	24'	MFWD 190	92,300	150	8	0.084	2.34	2.36	2.92	0.72	8.36	7.07	5.60	21.04
Grain Drill & Pre	30'	MFWD 225	107,000	150	8	0.067	1.87	2.24	2.71	0.69	7.52	6.55	5.34	19.43
Grain Drill & Pre	35'	MFWD 225	123,000	150	8	0.058	1.61	1.92	2.67	0.59	6.80	6.46	4.58	17.84
Grain Drill & Pre T	8R-38	MFWD 225	57,000	150	8	0.062	1.74	2.08	1.34	0.64	5.81	3.24	4.96	14.02
Harrow - Folding	24'	MFWD 190	13,800	200	10	0.064	1.20	1.80	0.31	0.55	3.88	0.59	4.28	8.76
Harrow - Folding	30'	MFWD 190	15,300	200	10	0.051	0.96	1.44	0.27	0.44	3.13	0.52	3.42	7.08
Harrow - Folding	40'	MFWD 190	21,300	200	10	0.038	0.72	1.08	0.28	0.33	2.43	0.54	2.57	5.55
Harrow - Folding	48'	MFWD 225	36,000	200	10	0.032	0.60	1.07	0.40	0.33	2.41	0.76	2.55	5.74
Header - Corn	6R-30	265 hp	75,500	300	8	0.170	3.18	6.64	3.21	8.21	21.25	6.01	39.32	66.59
Header - Corn	6R-38	265 hp	76,200	300	8	0.134	2.51	5.24	2.56	6.48	16.80	4.79	31.04	52.63
Header - Corn	8R-30	265 hp	101,000	300	8	0.127	2.38	4.98	3.22	6.15	16.75	6.03	29.49	52.28
Header - Corn	8R-38	325 hp	90,100	300	8	0.100	1.88	4.83	2.27	5.65	14.64	4.25	27.09	45.99
Header - Corn	12R-20	325 hp	152,000	300	8	0.127	2.38	6.11	4.85	7.15	20.50	9.08	34.26	63.86
Header - Corn	12R-30	325 hp	145,000	300	8	0.085	1.59	4.07	3.08	4.77	13.52	5.77	22.84	42.14
Header - Draper (CL)	25' Rigid	265 hp	83,200	300	8	0.203	3.79	7.92	3.87	9.79	25.38	7.64	46.89	79.92
Header - Draper (CL)	30' Rigid	325 hp	85,600	300	8	0.169	3.16	8.09	3.31	9.48	24.06	6.55	45.41	76.03
Header - Draper (CL)	36' Rigid	355 hp	89,900	300	8	0.141	2.63	7.36	2.90	8.16	21.07	5.73	39.11	65.92
Header - Draper (CL)	40' Rigid	425 hp	95,200	300	8	0.126	2.37	7.94	2.76	7.43	20.51	5.46	35.57	61.55
Header - Draper (SL)	25' Rigid	325 hp	83,200	300	8	0.176	3.28	8.42	3.35	9.86	24.92	6.62	47.22	78.78
Header - Draper (SL)	30' Rigid	325 hp	85,600	300	8	0.146	2.74	7.01	2.87	8.21	20.85	5.68	39.35	65.89

(continued)

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
Header - Draper (SL)	36' Rigid	355 hp	89,900	300	8	0.122	2.28	6.38	2.51	7.07	18.26	4.97	33.89	57.13
Header - Draper (SL)	40' Rigid	425 hp	95,200	300	8	0.110	2.05	6.88	2.39	6.43	17.77	4.73	30.83	53.35
Header -RiceStrp(CL)	20'	265 hp	50,600	300	8	0.253	4.74	9.90	3.21	12.24	30.10	6.01	58.62	94.73
Header -RiceStrp(CL)	24'	325 hp	54,000	300	8	0.211	3.95	10.12	2.85	11.85	28.78	5.34	56.76	90.89
Header -RiceStrp(CL)	32'	325 hp	70,800	300	8	0.158	2.96	7.59	2.80	8.89	22.25	5.25	42.57	70.08
Header -RiceStrp(SL)	20'	265 hp	50,600	300	8	0.220	4.11	8.58	2.78	10.61	26.08	5.20	50.80	82.10
Header -RiceStrp(SL)	24'	325 hp	54,000	300	8	0.183	3.42	8.77	2.47	10.27	24.94	4.63	49.19	78.77
Header -RiceStrp(SL)	32'	325 hp	70,800	300	8	0.137	2.56	6.57	2.43	7.70	19.28	4.55	36.89	60.74
Header -Soybean	22' Flex	265 hp	44,600	300	8	0.116	2.16	4.52	1.29	5.59	13.59	2.42	26.81	42.82
Header -Soybean	25' Flex	325 hp	43,700	300	8	0.102	1.90	4.88	1.11	5.72	13.64	2.08	27.41	43.14
Header -Soybean	30' Flex	325 hp	52,900	300	8	0.085	1.59	4.07	1.12	4.77	11.56	2.10	22.84	36.51
Header -Soybean	35' Flex	355 hp	60,400	300	8	0.072	1.36	3.81	1.10	4.22	10.50	2.06	20.23	32.80
Header Wheat/Sorghum	22' Rigid	265 hp	19,800	300	8	0.116	2.16	4.52	0.57	5.59	12.87	1.07	26.81	40.76
Header Wheat/Sorghum	25' Rigid	325 hp	41,800	300	8	0.102	1.90	4.88	1.06	5.72	13.59	1.99	27.41	43.00
Header Wheat/Sorghum	30' Rigid	325 hp	55,100	300	8	0.085	1.59	4.07	1.17	4.77	11.60	2.19	22.84	36.65
Land Plane	50'x16'	MFWD 190	13,500	200	10	0.151	2.83	4.24	0.40	1.29	8.78	1.35	10.04	20.17
Levee Pull & Seed	8 Blade	MFWD 170	17,600	100	10	0.003	0.06	0.08	0.01	0.02	0.19	0.08	0.18	0.46
Levee Pull (1m/80a)	8 blade	MFWD 170	12,300	100	10	0.003	0.06	0.08	0.00	0.02	0.18	0.05	0.18	0.43
Levee Splitter (1/80	32"	MFWD 150	9,220	100	10	0.004	0.07	0.09	0.00	0.02	0.20	0.05	0.17	0.42
Module Builder	4R-38(250)	MFWD 190	34,700	200	10	0.257	7.15	7.21	2.23	2.20	18.80	5.76	17.07	41.63
Module Builder	4R-38(350)	MFWD 190	34,700	200	10	0.257	7.15	7.21	2.23	2.20	18.80	5.76	17.07	41.63
Module Builder	4R2x1(350)	MFWD 190	34,700	200	10	0.172	4.78	4.81	1.49	1.47	12.57	3.85	11.41	27.83
Module Builder	6R-30(355)	MFWD 190	34,700	200	10	0.218	6.05	6.10	1.89	1.86	15.92	4.87	14.45	35.25
Module Builder	6R-38(355)	MFWD 190	34,700	200	10	0.172	4.78	4.81	1.49	1.47	12.57	3.85	11.41	27.83
NT Grain Drill	10'	2WD 130	47,600	150	8	0.235	6.54	4.51	4.20	0.94	16.20	10.15	7.05	33.41
NT Grain Drill	12'	2WD 130	63,700	150	8	0.163	4.54	3.13	3.91	0.65	12.23	9.43	4.89	26.57
NT Grain Drill	15'	MFWD 150	76,100	150	8	0.130	3.63	2.89	3.73	0.73	10.99	9.02	5.50	25.52
NT Grain Drill	20'	MFWD 170	101,000	150	8	0.098	2.72	2.45	3.71	0.66	9.56	8.97	5.15	23.69
NT Grain Drill	24'	MFWD 190	111,300	150	8	0.081	2.27	2.28	3.41	0.70	8.67	8.24	5.42	22.34
NT Grain Drill	30'	MFWD 225	110,200	150	8	0.065	1.81	2.16	2.70	0.66	7.36	6.53	5.17	19.06
NT Grain Drill & Pre	10'	2WD 130	53,400	150	8	0.211	5.87	4.04	4.23	0.84	15.00	10.22	6.33	31.55
NT Grain Drill & Pre	12'	2WD 130	69,500	150	8	0.176	4.89	3.37	4.59	0.70	13.56	11.09	5.27	29.93
NT Grain Drill & Pre	15'	MFWD 150	81,900	150	8	0.141	3.91	3.11	4.33	0.79	12.15	10.45	5.93	28.53
NT Grain Drill & Pre	20'	MFWD 170	107,000	150	8	0.105	2.93	2.64	4.24	0.71	10.54	10.24	5.54	26.33
NT Grain Drill & Pre	24'	MFWD 190	117,000	150	8	0.088	2.44	2.46	3.86	0.75	9.53	9.33	5.83	24.70
NT Grain Drill & Pre	30'	MFWD 225	116,000	150	8	0.070	1.95	2.33	3.06	0.72	8.07	7.40	5.57	21.05
NT Plant&Pre-Folding	8R-38	MFWD 170	86,700	150	8	0.083	2.32	2.09	2.71	0.56	7.69	6.56	4.38	18.64
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	123,000	150	8	0.055	1.54	1.39	2.56	0.37	5.88	6.19	2.91	15.00
NT Plant&Pre-Folding	12R-20	MFWD 190	82,800	150	8	0.105	2.93	2.95	3.28	0.90	10.08	7.92	7.00	25.01
NT Plant&Pre-Folding	12R-30	MFWD 190	110,000	150	8	0.070	1.95	1.97	2.90	0.60	7.44	7.02	4.66	19.13
NT Plant&Pre-Folding	12R-38	MFWD 190	123,000	150	8	0.055	1.54	1.55	2.56	0.47	6.14	6.19	3.68	16.03
NT Plant&Pre-Folding	16R-30	MFWD 190	217,000	150	8	0.052	1.46	1.47	4.30	0.45	7.70	10.38	3.50	21.59
NT Plant&Pre-Folding	23R-15	MFWD 190	218,000	150	8	0.073	2.03	2.05	6.00	0.62	10.72	14.49	4.86	30.08
NT Plant&Pre-Folding	24R-20	MFWD 190	268,000	150	8	0.052	1.46	1.47	5.31	0.45	8.71	12.82	3.50	25.04
NT Plant&Pre-Folding	24R-30	MFWD 190	227,000	150	8	0.035	0.97	0.98	3.00	0.30	5.26	7.24	2.33	14.84
NT Plant&Pre-Folding	31R-15	MFWD 225	267,000	150	8	0.054	1.51	1.81	5.47	0.55	9.35	13.21	4.31	26.88
NT Plant&Pre-Folding	32R-15	MFWD 225	272,000	150	8	0.052	1.46	1.75	5.39	0.54	9.15	13.02	4.17	26.35
NT Plant&Pre-Rigid	4R-30	2WD 130	43,200	150	8	0.211	5.87	4.04	3.42	0.84	14.19	8.27	6.33	28.79
NT Plant&Pre-Rigid	4R-38	2WD 130	38,100	150	8	0.166	4.62	3.18	2.37	0.66	10.85	5.74	4.98	21.58
NT Plant&Pre-Rigid	6R-30	MFWD 150	52,300	150	8	0.141	3.91	3.11	2.76	0.79	10.58	6.67	5.93	23.19
NT Plant&Pre-Rigid	6R-38	MFWD 150	47,900	150	8	0.111	3.08	2.45	1.99	0.62	8.17	4.82	4.68	17.68
NT Plant&Pre-Rigid	8R-30	MFWD 170	67,600	150	8	0.105	2.93	2.64	2.68	0.71	8.98	6.47	5.54	21.00
NT Plant&Pre-Rigid	8R-38	MFWD 170	64,100	150	8	0.083	2.32	2.09	2.00	0.56	6.98	4.85	4.38	16.22
NT Plant&Pre-Rigid	11R-15	MFWD 170	70,800	150	8	0.143	3.99	3.60	3.82	0.97	12.39	9.22	7.54	29.16
NT Plant&Pre-Rigid	11R-20	MFWD 170	75,500	150	8	0.115	3.20	2.89	3.27	0.78	10.15	7.89	6.06	24.11
NT Plant&Pre-Rigid	12R-20	MFWD 190	80,500	150	8	0.105	2.93	2.95	3.19	0.90	9.99	7.70	7.00	24.70
NT Plant&Pre-Rigid	12R-30	MFWD 190	100,400	150	8	0.070	1.95	1.97	2.65	0.60	7.18	6.40	4.66	18.26
NT Plant&Pre-Rigid	15R-15	MFWD 190	98,900	150	8	0.113	3.13	3.16	4.19	0.96	11.46	10.12	7.49	29.08
NT Plant&Pre-TwinRow	12R-30/40	MFWD 225	173,000	150	8	0.055	1.54	1.84	3.61	0.56	7.56	8.71	4.39	20.68
NT Plant&Pre-TwinRow	8R-30/40	MFWD 225	135,300	150	8	0.083	2.32	2.76	4.24	0.85	10.18	10.24	6.60	27.03
NT Plant-Folding	8R-38	MFWD 170	80,900	150	8	0.077	2.15	1.94	2.35	0.52	6.97	5.68	4.07	16.73
NT Plant-Folding	8R-38 2x1	MFWD 170	113,000	150	8	0.051	1.43	1.29	2.19	0.35	5.26	5.28	2.71	13.26
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.72	2.74	2.85	0.84	9.16	6.88	6.50	22.56
NT Plant-Folding	12R-30	MFWD 190	99,800	150	8	0.065	1.81	1.83	2.45	0.56	6.65	5.91	4.33	16.91
NT Plant-Folding	12R-38	MFWD 190	113,000	150	8	0.051	1.43	1.44	2.19	0.44	5.51	5.28	3.42	14.22
NT Plant-Folding	16R-30	MFWD 190	206,000	150	8	0.049	1.36	1.37	3.79	0.42	6.95	9.15	3.25	19.36
NT Plant-Folding	23R-15	MFWD 190	207,000	150	8	0.068	1.89	1.90	5.29	0.58	9.67	12.77	4.51	26.97
NT Plant-Folding	24R-20	MFWD 190	258,000	150	8	0.049	1.36	1.37	4.75	0.42	7.90	11.46	3.25	22.62
NT Plant-Folding	24R-30	MFWD 190	208,000	150	8	0.032	0.90	0.91	2.55	0.28	4.65	6.16	2.16	12.99
NT Plant-Folding	31R-15	MFWD 225	256,000	150	8	0.050	1.40	1.68	4.87	0.51	8.48	11.76	4.01	24.25
NT Plant-Folding	32R-15	MFWD 225	261,000	150	8	0.049	1.36	1.62	4.80	0.50	8.29	11.60	3.88	23.78
NT Plant-Rigid	4R-30	2WD 130	37,400	150	8	0.196	5.45	3.75	2.75	0.78	12.75	6.65	5.87	25.27
NT Plant-Rigid	4R-38	2WD 130	32,300	150	8	0.154	4.29	2.95	1.87	0.61	9.74	4.52	4.62	18.89
NT Plant-Rigid	6R-30	MFWD 150	46,500	150	8	0.130	3.63	2.89	2.28	0.73	9.54	5.51	5.50	20.56
NT Plant-Rigid	6R-38	MFWD 150	42,100	150	8	0.103	2.86	2.28	1.63	0.58	7.36	3.93	4.34	15.65
NT Plant-Rigid	8R-30	MFWD 170	61,800	150	8	0.098	2.72	2.45	2.27	0.66	8.12	5.49	5.15	18.77
NT Plant-Rigid	8R-38	MFWD 170	58,300	150	8	0.077	2.15	1.94	1.69	0.52	6.32	4.09	4.07	14.49
NT Plant-Rigid	11R-15	MFWD 170	65,000	150	8	0.133	3.70	3.34	3.25	0.90	11.21	7.86	7.00	26.08
NT Plant-Rigid	11R-20	MFWD 170	69,700	150	8	0.107	2.97	2.68	2.80	0.72	9.19	6.77	5.62	21.60
NT Plant-Rigid	12R-20	MFWD 190	74,700	150	8	0.098	2.72	2.74	2.75	0.84	9.06	6.64	6.50	22.20
NT Plant-Rigid	12R-30	MFWD 190	90,000	150	8	0.065	1.81	1.83	2.20	0.56	6.41	5.33	4.33	16.09
NT Plant-Rigid	15R-15	MFWD 190	88,600	150	8	0.105	2.91	2.93	3.48	0.89	10.24	8.42	6.95	25.62
NT Plant-TwinRow	12R-30/40	MFWD 225	163,000	150	8	0.051	1.43	1.71	3.15	0.52	6.83	7.62	4.08	18.54

(continued)

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
NT Plant-TwinRow	8R-30/40	MFWD 225	130,000	150	8	0.077	2.15	2.57	3.78	0.79	9.30	9.13	6.13	24.57
Peanut Cond.& Lifter	6-Row	MFWD 190	15,200	300	20	0.100	1.86	2.79	0.25	0.85	5.77	0.51	6.62	12.91
Peanut Conditioner	6-Row	MFWD 190	25,200	300	20	0.100	1.86	2.79	0.50	0.85	6.02	0.80	6.62	13.44
Peanut Dig/Invertor	4R-30	MFWD 190	45,800	300	15	0.235	4.40	6.59	2.68	2.01	15.71	4.14	15.61	35.47
Peanut Dig/Invertor	4R-38	MFWD 190	45,800	300	15	0.186	3.48	5.20	2.12	1.59	12.40	3.27	12.33	28.01
Peanut Dig/Invertor	6R-38	MFWD 190	64,700	300	15	0.124	2.31	3.47	1.40	1.06	8.26	3.07	8.21	19.55
Peanut Dump Cart	6-Row	MFWD 190	70,000	300	20	0.310	5.79	8.67	1.26	2.65	18.38	7.19	20.52	46.10
Peanut Harvester	4R-30	MFWD 225	181,000	300	20	0.849	15.88	28.15	8.71	8.68	61.44	48.89	67.17	177.51
Peanut Harvester	4R-38	MFWD 225	181,000	300	20	0.934	17.46	30.95	9.58	9.55	67.55	54.92	73.86	196.34
Peanut Harvester	6R-38	MFWD 225	197,000	300	20	0.625	11.68	20.70	5.95	6.38	44.72	39.97	49.39	134.09
Peanut Lifter	6-Row	MFWD 225	10,100	300	20	0.100	1.86	3.31	0.20	1.02	6.41	0.32	7.90	14.63
Peanut Plt&Pre Fold.	12R-38	MFWD 190	111,000	150	8	0.080	2.23	2.24	3.34	0.68	8.51	8.07	5.32	21.92
Peanut Plt&Pre Rigid	8R-30	MFWD 190	59,400	150	8	0.152	4.23	4.27	3.40	1.30	13.22	8.21	10.11	31.55
Peanut Plt&Pre Rigid	8R-38	MFWD 190	56,000	150	8	0.120	3.35	3.37	2.53	1.03	10.29	6.12	7.99	24.41
Peanut Ptlt&PreTwin	8R-30/40	MFWD 190	127,000	150	8	0.120	3.35	3.37	5.75	1.03	13.51	13.88	7.99	35.39
Pipe Spool 160ac	1/4m roll	2WD 130	6,480	15	12	0.003	0.11	0.05	0.01	0.01	0.19	0.16	0.09	0.45
Pipe Trailer 1m/160a	30'	2WD 130	2,200	100	15	0.003	0.20	0.07	0.00	0.01	0.29	0.00	0.11	0.41
Plant & Pre-Folding	8R-38	MFWD 170	78,600	150	8	0.080	2.22	2.00	2.36	0.54	7.14	5.71	4.20	17.06
Plant & Pre-Folding	8R-38 2x1	MFWD 170	111,000	150	8	0.053	1.48	1.33	2.22	0.36	5.40	5.36	2.80	13.57
Plant & Pre-Folding	12R-20	MFWD 190	70,600	150	8	0.101	2.81	2.84	2.68	0.86	9.21	6.48	6.72	22.42
Plant & Pre-Folding	12R-30	MFWD 190	97,900	150	8	0.067	1.87	1.89	2.48	0.57	6.83	5.99	4.48	17.31
Plant & Pre-Folding	12R-38	MFWD 190	111,000	150	8	0.053	1.48	1.49	2.22	0.45	5.65	5.36	3.53	14.56
Plant & Pre-Folding	16R-30	MFWD 190	200,000	150	8	0.050	1.40	1.42	3.80	0.43	7.07	9.19	3.36	19.62
Plant & Pre-Folding	23R-15	MFWD 190	194,000	150	8	0.070	1.95	1.97	5.12	0.60	9.66	12.38	4.66	26.71
Plant & Pre-Folding	24R-20	MFWD 190	244,000	150	8	0.050	1.40	1.42	4.64	0.43	7.90	11.21	3.36	22.48
Plant & Pre-Folding	24R-30	MFWD 190	202,000	150	8	0.033	0.93	0.94	2.56	0.28	4.74	6.18	2.24	13.17
Plant & Pre-Folding	31R-15	MFWD 225	235,000	150	8	0.052	1.45	1.73	4.62	0.53	8.35	11.16	4.14	23.66
Plant & Pre-Folding	32R-15	MFWD 225	239,000	150	8	0.050	1.40	1.68	4.55	0.51	8.15	10.98	4.01	23.15
Plant & Pre-Rigid	4R-30	2WD 130	39,200	150	8	0.203	5.63	3.88	2.98	0.81	13.31	7.20	6.07	26.60
Plant & Pre-Rigid	4R-38	2WD 130	34,100	150	8	0.159	4.43	3.06	2.04	0.63	10.18	4.93	4.78	19.90
Plant & Pre-Rigid	6R-30	MFWD 150	46,200	150	8	0.135	3.75	2.98	2.34	0.76	9.85	5.66	5.69	21.20
Plant & Pre-Rigid	6R-38	MFWD 150	41,700	150	8	0.106	2.96	2.36	1.67	0.60	7.59	4.03	4.49	16.12
Plant & Pre-Rigid	8R-30	MFWD 170	59,400	150	8	0.101	2.81	2.54	2.26	0.68	8.30	5.45	5.32	19.09
Plant & Pre-Rigid	8R-38	MFWD 170	56,000	150	8	0.080	2.22	2.00	1.68	0.54	6.46	4.06	4.20	14.74
Plant & Pre-Rigid	11R-15	MFWD 170	59,600	150	8	0.148	4.11	3.70	3.31	1.00	12.14	7.99	7.77	27.91
Plant & Pre-Rigid	11R-20	MFWD 170	64,300	150	8	0.110	3.07	2.77	2.67	0.75	9.28	6.45	5.82	21.56
Plant & Pre-Rigid	12R-20	MFWD 190	68,300	150	8	0.101	2.81	2.84	2.60	0.86	9.12	6.27	6.72	22.13
Plant & Pre-Rigid	12R-30	MFWD 190	88,100	150	8	0.067	1.87	1.89	2.23	0.57	6.58	5.39	4.48	16.46
Plant & Pre-Rigid	15R-15	MFWD 190	83,600	150	8	0.108	3.01	3.03	3.40	0.92	10.38	8.21	7.19	25.79
Plant & Pre-TwinRow	12R-30/40	MFWD 225	161,000	150	8	0.053	1.48	1.77	3.22	0.54	7.02	7.78	4.22	19.03
Plant & Pre-TwinRow	8R-30/40	MFWD 225	127,000	150	8	0.080	2.22	2.65	3.82	0.82	9.52	9.22	6.34	25.10
Plant - Folding	8R-38	MFWD 170	72,800	150	8	0.074	2.06	1.86	2.03	0.50	6.47	4.91	3.90	15.29
Plant - Folding	8R-38 2x1	MFWD 170	100,000	150	8	0.049	1.37	1.24	1.86	0.33	4.81	4.49	2.60	11.91
Plant - Folding	12R-20	MFWD 190	65,200	150	8	0.094	2.61	2.63	2.30	0.80	8.36	5.56	6.24	20.17
Plant - Folding	12R-30	MFWD 190	87,500	150	8	0.062	1.74	1.75	2.06	0.53	6.10	4.97	4.16	15.24
Plant - Folding	12R-38	MFWD 190	100,000	150	8	0.049	1.37	1.38	1.86	0.42	5.05	4.49	3.28	12.82
Plant - Folding	16R-30	MFWD 190	190,000	150	8	0.047	1.30	1.31	3.35	0.40	6.38	8.10	3.12	17.61
Plant - Folding	23R-15	MFWD 190	184,000	150	8	0.065	1.81	1.83	4.51	0.56	8.72	10.90	4.33	23.96
Plant - Folding	24R-20	MFWD 190	234,000	150	8	0.047	1.30	1.31	4.13	0.40	7.16	9.98	3.12	20.27
Plant - Folding	24R-30	MFWD 190	184,000	150	8	0.031	0.87	0.87	2.16	0.26	4.18	5.23	2.08	11.50
Plant - Folding	31R-15	MFWD 225	225,000	150	8	0.048	1.35	1.61	4.11	0.49	7.57	9.92	3.85	21.35
Plant - Folding	32R-15	MFWD 225	229,000	150	8	0.047	1.30	1.56	4.04	0.48	7.39	9.77	3.72	20.89
Plant - Rigid	4R-30	2WD 130	33,400	150	8	0.188	5.23	3.60	2.36	0.75	11.95	5.70	5.64	23.30
Plant - Rigid	4R-38	2WD 130	28,200	150	8	0.148	4.12	2.84	1.57	0.59	9.12	3.79	4.44	17.35
Plant - Rigid	6R-30	MFWD 150	40,400	150	8	0.125	3.48	2.77	1.90	0.70	8.87	4.59	5.28	18.75
Plant - Rigid	6R-38	MFWD 150	35,900	150	8	0.099	2.75	2.19	1.33	0.55	6.83	3.22	4.17	14.23
Plant - Rigid	8R-30	MFWD 170	53,600	150	8	0.094	2.61	2.35	1.89	0.63	7.51	4.57	4.94	17.03
Plant - Rigid	8R-38	MFWD 170	50,200	150	8	0.074	2.06	1.86	1.40	0.50	5.84	3.38	3.90	13.13
Plant - Rigid	11R-15	MFWD 170	53,800	150	8	0.137	3.81	3.44	2.77	0.93	10.97	6.70	7.21	24.89
Plant - Rigid	11R-20	MFWD 170	58,500	150	8	0.103	2.85	2.57	2.26	0.69	8.39	5.45	5.40	19.25
Plant - Rigid	12R-20	MFWD 190	62,500	150	8	0.094	2.61	2.63	2.20	0.80	8.27	5.33	6.24	19.84
Plant - Rigid	12R-30	MFWD 190	77,800	150	8	0.062	1.74	1.75	1.83	0.53	5.87	4.42	4.16	14.46
Plant - Rigid	15R-15	2WD 150	73,300	150	8	0.094	2.61	2.08	2.59	0.44	7.73	6.25	3.36	17.35
Plant - TwinRow	12R-30/40	MFWD 225	150,000	150	8	0.049	1.37	1.64	2.79	0.50	6.31	6.73	3.92	16.97
Plant - TwinRow	8R-30/40	MFWD 225	121,000	150	8	0.074	2.06	2.46	3.38	0.76	8.68	8.16	5.89	22.73
Roller/Cultipacker	12'	2WD 130	7,470	300	12	0.124	2.32	2.38	0.21	0.49	5.42	0.38	3.72	9.52
Roller/Cultipacker	20'	MFWD 150	13,500	300	12	0.074	1.39	1.64	0.23	0.41	3.70	0.41	3.13	7.25
Roller/Cultipacker	30'	MFWD 170	21,100	300	12	0.049	0.93	1.24	0.24	0.33	2.76	0.43	2.61	5.80
Roller/Cultipacker	38'	MFWD 225	27,500	300	12	0.039	0.73	1.30	0.25	0.40	2.69	0.44	3.10	6.24
Roller/Stubble	20'	2WD 50	15,900	300	12	0.074	1.39	0.54	0.28	0.06	2.29	0.48	0.50	3.28
Roller/Stubble	32'	MFWD 225	23,700	300	12	0.046	0.87	1.54	0.26	0.47	3.15	0.45	3.68	7.29
Rotary Cutter	7'	MFWD 130	6,740	185	10	0.168	3.14	3.22	0.92	0.87	8.16	0.81	6.52	15.50
Rotary Cutter	12'	2WD 150	21,100	185	10	0.098	1.83	2.16	1.68	0.46	6.15	1.48	3.49	11.13
Rotary Cutter-Flex	15'	MFWD 150	27,500	185	10	0.078	1.46	1.73	1.75	0.44	5.39	1.54	3.30	10.24
Rotary Cutter-Flex	20'	MFWD 150	42,200	185	10	0.058	1.10	1.30	2.01	0.33	4.74	1.77	2.47	9.00
Row Cond & Inc-Fold.	26'	MFWD 190	37,600	100	10	0.063	1.47	1.77	0.59	0.54	4.38	3.15	4.20	11.74
Row Cond & Inc-Fold.	38'	MFWD 225	49,800	100	10	0.043	1.00	1.43	0.54	0.44	3.43	2.85	3.43	9.72
Row Cond & Inc-Rigid	13'	2WD 130	18,700	100	10	0.126	2.94	2.42	0.59	0.50	6.47	3.13	3.79	13.41
Row Cond & Inc-Rigid	21'	2WD 170	26,900	100	10	0.078	1.82	1.96	0.52	0.29	4.61	2.79	2.25	9.66
Row Cond & Inc-Rigid	26'	MFWD 190	29,300	100	10	0.026	0.61	0.74	0.19	0.22	1.78	1.03	1.76	4.57
Row Cond Folding	26'	MFWD 225	31,900	100	10	0.059	1.11	1.97	0.47	0.61	4.18	2.51	4.72	11.42
Row Cond Folding	38'	MFWD 225	40,100	100	10	0.040	0.76	1.35	0.40	0.41	2.94	2.16	3.23	8.34
Row Cond Rigid	13'	2WD 130	12,900	100	10	0.119	2.23	2.28	0.38	0.47	5.38	2.03	3.57	10.99

(continued)

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
Row Cond Rigid	21'	2WD 170	21,200	100	10	0.073	1.38	1.85	0.39	0.27	3.89	2.07	2.12	8.09
Row Cond Rigid	26'	MFWD 190	23,600	100	10	0.059	1.11	1.67	0.35	0.51	3.65	1.86	3.95	9.46
Row Cond./Roll-Fol	30'	MFWD 190	69,000	160	10	0.062	1.16	1.74	1.07	0.53	4.52	3.56	4.13	12.23
Row Cond./Roll-Fold.	26'	MFWD 190	38,000	160	10	0.072	1.34	2.01	0.68	0.61	4.66	2.26	4.77	11.70
Row Cond./Roll-Fold.	40'	MFWD 225	57,100	160	10	0.046	0.87	1.55	0.66	0.47	3.57	2.21	3.70	9.49
Row Cond./Roll-Rig	21'	MFWD 190	38,400	160	10	0.089	1.66	2.49	0.85	0.76	5.78	2.83	5.91	14.53
Row Cond./Roll-Rig	26'	MFWD 190	42,300	160	10	0.072	1.34	2.01	0.76	0.61	4.74	2.52	4.77	12.04
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.16	1.17	0.34	0.36	3.04	0.85	2.78	6.69
Spray (ATV Ropewick)	75"	800 CC	730	200	8	0.260	6.04	0.53	0.08	0.49	7.17	0.13	2.37	9.67
Spray (ATV)	20'	800 CC	1,440	200	8	0.084	1.96	0.17	0.05	0.16	2.35	0.08	0.77	3.21
Spray (Band)	27' Fold	MFWD 170	5,810	200	8	0.062	1.45	1.56	0.17	0.42	3.61	0.25	3.28	7.16
Spray (Band)	40' Fold	MFWD 170	10,350	200	8	0.042	0.98	1.05	0.20	0.28	2.53	0.30	2.21	5.05
Spray (Band)	50' Fold	MFWD 170	9,670	200	8	0.033	0.78	0.84	0.15	0.22	2.01	0.22	1.77	4.02
Spray (Band)	60' Fold	MFWD 170	18,600	200	8	0.028	0.65	0.70	0.24	0.19	1.79	0.36	1.47	3.64
Spray (Bcast/HB)	13' Rigid	MFWD 150	9,170	200	8	0.130	3.02	2.87	0.55	0.73	7.18	0.83	5.47	13.49
Spray (Bcast/HB)	20' Rigid	MFWD 150	10,700	200	8	0.084	1.96	1.86	0.42	0.47	4.73	0.63	3.55	8.92
Spray (Bcast/HB)	27' Fold	MFWD 170	13,600	200	8	0.062	1.45	1.56	0.39	0.42	3.84	0.59	3.28	7.73
Spray (Bcast/HB)	27' Rigid	MFWD 170	12,600	200	8	0.062	1.45	1.56	0.37	0.42	3.81	0.55	3.28	7.66
Spray (Bcast/HB)	30' Fold	MFWD 170	19,400	200	8	0.056	1.30	1.41	0.51	0.38	3.61	0.76	2.95	7.34
Spray (Bcast/HB)	40' Fold	MFWD 170	23,200	200	8	0.042	0.98	1.05	0.46	0.28	2.78	0.68	2.21	5.69
Spray (Broadcast)	27'	MFWD 170	5,810	200	8	0.062	1.45	1.56	0.17	0.42	3.61	0.25	3.28	7.16
Spray (Broadcast)	40'	MFWD 170	10,350	200	8	0.042	0.98	1.05	0.20	0.28	2.53	0.30	2.21	5.05
Spray (Broadcast)	50'	MFWD 170	9,670	200	8	0.033	0.78	0.84	0.15	0.22	2.01	0.22	1.77	4.02
Spray (Broadcast)	60'	MFWD 170	18,600	200	8	0.028	0.65	0.70	0.24	0.19	1.79	0.36	1.47	3.64
Spray (Direct/Hood)	8R-30	MFWD 170	19,800	200	8	0.084	1.96	2.11	0.78	0.57	5.44	1.17	4.43	11.05
Spray (Direct/Hood)	8R-38	MFWD 170	20,600	200	8	0.066	1.55	1.67	0.64	0.45	4.32	0.96	3.50	8.80
Spray (Direct/Hood)	12R-30	MFWD 170	27,100	200	8	0.056	1.30	1.41	0.71	0.38	3.82	1.07	2.95	7.85
Spray (Direct/Hood)	12R-38	MFWD 170	28,200	200	8	0.044	1.03	1.11	0.58	0.30	3.03	0.88	2.33	6.25
Spray (Direct/Layby)	8R-30	MFWD 170	19,500	200	8	0.084	1.96	2.11	0.77	0.57	5.42	1.15	4.43	11.02
Spray (Direct/Layby)	8R-38	MFWD 170	19,500	200	8	0.066	1.55	1.67	0.61	0.45	4.29	0.91	3.50	8.71
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	29,500	200	8	0.044	1.03	1.11	0.61	0.30	3.06	0.92	2.33	6.32
Spray (Direct/Layby)	12R-30	MFWD 170	29,500	200	8	0.056	1.30	1.41	0.78	0.38	3.88	1.16	2.95	8.01
Spray (Direct/Layby)	12R-38	MFWD 170	29,500	200	8	0.044	1.03	1.11	0.61	0.30	3.06	0.92	2.33	6.32
Spray (Direct/Layby)	16R-20/30	MFWD 225	34,600	200	8	0.062	1.45	2.07	1.01	0.64	5.18	1.52	4.95	11.66
Spray (Levee Leaper)	50'	MFWD 225	22,200	200	8	0.033	0.78	1.12	0.35	0.34	2.60	0.52	2.67	5.80
Spray (Pull Type)	60'	MFWD 225	75,100	200	8	0.028	0.65	0.93	0.99	0.28	2.87	1.48	2.22	6.58
Spray (Pull Type)	80'	MFWD 225	69,400	200	8	0.021	0.49	0.70	0.68	0.21	2.09	1.03	1.67	4.79
Spray (Pull Type)	90'	MFWD 225	70,400	200	8	0.018	0.43	0.62	0.62	0.19	1.87	0.92	1.48	4.28
Spray (Pull Type)	120'	MFWD 225	127,000	200	8	0.014	0.32	0.46	0.83	0.14	1.77	1.25	1.11	4.14
Spray (Ropewick)	20'	MFWD 190	3,630	200	8	0.084	1.96	2.36	0.14	0.72	5.20	0.21	5.60	11.01
Spray (Spot)	27'	MFWD 170	5,810	200	8	0.062	1.45	1.56	0.17	0.42	3.61	0.25	3.28	7.16
Spray (Spot)	40'	MFWD 170	10,350	200	8	0.042	0.98	1.05	0.20	0.28	2.53	0.30	2.21	5.05
Spray (Spot)	50'	MFWD 170	9,670	200	8	0.033	0.78	0.84	0.15	0.22	2.01	0.22	1.77	4.02
Spray (Spot)	60'	MFWD 225	18,600	200	8	0.028	0.65	0.93	0.24	0.28	2.12	0.36	2.22	4.72
Stalk Shredder	14'	MFWD 150	37,500	200	10	0.117	2.20	2.60	3.86	0.66	9.33	2.92	4.95	17.21
Stalk Shredder Flex	20'	MFWD 150	33,100	200	10	0.082	1.54	1.82	2.38	0.46	6.21	1.80	3.46	11.49
Stalk Shredder-Flail	12'	MFWD 150	32,200	200	10	0.137	2.56	3.03	3.87	0.77	10.25	2.92	5.78	18.96
Stalk Shredder-Flail	15'	MFWD 150	35,700	200	10	0.110	2.05	2.42	3.43	0.61	8.53	2.59	4.62	15.75
Stalk Shredder-Flail	18'	MFWD 150	53,400	200	10	0.091	1.71	2.02	4.28	0.51	8.53	3.23	3.85	15.62
Stalk Shredder-Flail	20'	MFWD 150	47,500	200	10	0.082	1.54	1.82	3.42	0.46	7.25	2.59	3.46	13.31
Stalk Shredder-Flail	25'	MFWD 150	72,200	200	10	0.066	1.23	1.45	4.16	0.37	7.23	3.14	2.77	13.15
Strip Till	8R-38	MFWD 225	71,400	150	10	0.061	1.15	2.04	1.90	0.62	5.72	3.87	4.87	14.47
Strip Till	12R-30	MFWD 225	121,000	150	10	0.061	1.15	2.04	3.23	0.62	7.05	6.57	4.87	18.49
Strip Till	12R-40	MFWD 225	122,000	150	10	0.046	0.86	1.53	2.44	0.47	5.31	4.96	3.65	13.93
Subsoiler	3 shank	MFWD 190	6,140	100	15	0.204	3.81	5.71	0.41	1.74	11.70	1.37	13.53	26.61
Subsoiler	4 shank	MFWD 225	15,100	100	15	0.153	2.87	5.08	0.77	1.56	10.30	2.54	12.14	24.99
Subsoiler	5 shank	MFWD 225	18,600	100	15	0.122	2.28	4.05	0.75	1.25	8.34	2.49	9.67	20.51
Subsoiler low-till	6 shank	MFWD 225	28,200	100	15	0.102	1.90	3.38	0.96	1.04	7.29	3.16	8.07	18.53
Subsoiler low-till	8 shank	MFWD 225	25,700	100	15	0.076	1.43	2.53	0.65	0.78	5.40	2.15	6.04	13.61

Notes:
Labor: Includes labor from Power unit plus additional labor from the implement.
Total Direct: Does not include interest on operating capital.

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2025

ITEM NAME	UNIT	PRICE
		dollars
ADJUVANTS		
Agri-Dex	pt	4.03
AMS SuperMax	pt	3.81
Class Act NG	pt	5.00
Crop Oil Conc.(Pet.)	pt	2.86
Crop Oil Conc.(Veg.)	pt	2.90
Dyne-A-Pak	pt	4.17
Fire-Zone	pt	5.33
Herbimax	pt	2.75
Induce	pt	4.27
MSO	pt	3.50
Penetrator Plus	pt	2.18
Surfactant	pt	3.30
CLEANING		
Cleaning Peanuts	ton	18.00
CROP CONSULTANT		
Corn Consultant	acre	6.00
Cotton Consultant	acre	8.00
Peanut Consultant	acre	9.25
Rice Consultant	acre	8.00
Sorghum Consultant	acre	6.00
Soybeans Consultant	acre	6.50
Wheat Consultant	acre	5.50
CUSTOM FERTILIZE		
App Fert by Air	cwt	13.60
App Fert by Air(Mi	appl	13.60
Custom Apply Fert	acre	9.00
CUSTOM LIME		
Lime (Spread)	ton	51.39
CUSTOM PLANT		
Custom Plant	acre	7.50
Custom Plant Air	cwt	8.43
CUSTOM SPRAY		
App by Air (3 gal)	appl	7.50
App by Air (5 gal)	appl	8.05
App by Air (10 gal)	appl	9.50
Custom Spray Ground	acre	8.65
DRYING		
Dry Corn	bu	0.19
Dry Grain Sorghum	cwt	0.25
Dry Peanuts	ton	24.00
Dry Rice	bu	0.40
ERADICATION FEE		
Eradication	acre	1.00
FERTILIZERS		
Agrotain Ultra	pt	12.50
Amm Sulfate (21% N)	cwt	22.40
Boron Plus	pt	3.77
DAP	cwt	36.68
Fert 10-34-0	cwt	33.00
Fert 10-34-0	gal	3.85
Fert 11-37-0	cwt	33.00
Fert 41-0-0-4	cwt	38.00
Lime	ton	41.39
NBPT	pt	18.00
Phosphorus(46% P2O5)	cwt	29.10
Potash (60% K2O)	cwt	27.09
Sulfur Plus	pt	2.62
UAN (32% N)	cwt	21.78
UAN (32%)	gal	2.41
UAN + Sulfur (28%)	cwt	24.80
UAN + Sulfur (28%)	gal	2.76
Urea, Solid (46% N)	cwt	25.98
Zinc Plus	pt	3.63
FUNGICIDES		
Abound	oz	1.29
Alfa Guard	lb	1.67
Allegiance Flowabl	oz	6.33
Ameristar Top	oz	2.76
Approach Prima	pt	34.65
Apron Maxx RTA	oz	1.01
Artisan	oz	0.70
Avaris	oz	1.96
Avicta 500 Soybean	oz	2.14
Bravo Weather Stick	pt	3.49
Captan 4L	pt	4.50
Convoy	oz	1.02
Cotton Seed Trt.	acre	20.00
CruiserMaxx Vibrance	oz	4.46
Elatus	oz	3.65
Flint Extra	oz	10.11
Headline EC	oz	1.32
Miravis Ace	oz	1.48
Miravis Top	oz	1.46
Priaxor Xemium	oz	4.26
Propimax EC	pt	18.20
Prosaro	oz	1.81
Provost Optimum	oz	2.17
Provost Silver	oz	1.52
Quadris	oz	1.70
Quadris Top	oz	3.20
Quadris Top SBX	oz	3.68
Quilt	pt	4.00
Quilt XCEL	pt	26.69
Stratego	pt	22.50
Stratego YLD	oz	3.32
Tilt 3.6 EC	oz	0.87
Tilt/ Bravo SE	oz	0.87
Trivapro	oz	1.47
GINNING		
Gin & Haul	lb	0.11
GROWTH REGULATORS		
Mepex	oz	0.09
Mepichlor 4.2%	oz	0.09
Mepiquat	oz	0.05
Mepstar 6	oz	0.53
Palisade	oz	1.48
Pentia	oz	0.41
Pix WSG	oz	1.16
Stance	oz	1.50
Veto	oz	0.07
HARVEST AIDS		
Adios	oz	0.99
Boll Buster	oz	0.34
Def/Folex	pt	7.75
Defol 5	gal	8.40
Display	oz	10.59
Ethephon 6E	pt	4.76
Finish 6	pt	11.17
Folex 6EC	pt	7.75
Freefall SC	oz	1.09
Ginstar EC	pt	29.72
Gramoxone SL	oz	0.32
Sharpen	oz	7.46
Sodium Chlorate 5L	gal	8.40
SuperBoll	oz	0.33
Thidiazuron 4lb	oz	1.09
Tribufos 6lb	pt	14.70
Vacate	oz	1.39
HAULING		
Haul Corn	bu	0.31
Haul Peanuts	ton	14.50
Haul Rice	bu	0.30
Haul Sorghum	bu	0.35
Haul Soybeans	bu	0.29
Haul Wheat	bu	0.30
HERBICIDES		
2,4-D Amine 4	pt	2.23
2,4-D Ester	pt	3.14
AAtrex 4L	pt	2.98
Accent Q	oz	24.48
Acuron	oz	0.57

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2025 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Aim	oz	7.34	Halomax	oz	21.28
Aim 2EC	oz	7.34	Harmony Extra SG	oz	14.64
Anthem Flex	oz	6.68	Helmet	oz	0.61
Anthem Maxx	oz	4.79	HighCard	oz	1.14
Armezon Pro	oz	1.22	Huskie	oz	0.91
Atrazine 4L	pt	2.18	Impact	oz	16.26
Atrazine 90DF	lb	4.32	Intimidator	oz	0.64
Authority First	lb	48.45	Leadoff	oz	6.55
Authority Elite	pt	14.50	League	oz	4.61
Authority Maxx	lb	43.48	Lexar	pt	5.16
Authority MTZ	lb	19.75	Liberty 280	oz	0.46
Avatar	pt	8.04	Loyant	oz	2.64
Avenger	pt	13.75	Makaze	oz	0.17
Axial XL	oz	1.71	Metolachlor	pt	5.66
Axiom	oz	2.25	Metribuzin 4L	pt	12.60
Banvel	pt	3.86	Metribuzin 75	lb	9.05
Barrage	pt	3.83	MSMA	pt	3.97
Basagran	pt	5.43	Newpath	oz	4.50
Boundary	pt	10.19	Obey	oz	1.12
Brake	oz	1.39	Osprey	oz	4.70
Broadaxe	pt	13.50	Outlook	pt	14.94
Broadhead	lb	58.21	Panther Pro	oz	3.46
Bucaneer Plus	pt	2.16	Parallel	pt	4.52
Buctril	pt	4.28	Paraquat	oz	0.13
Butyrac 200 (2,4-DB)	pt	3.38	Parazone 3SL	oz	0.61
Cadre	oz	2.20	Permit	oz	23.42
Callisto	oz	2.99	Permit Plus	oz	23.86
Canopy	oz	3.25	PowerFlex	oz	8.02
Caparol	pt	5.00	Preface	oz	0.55
Capreno	oz	4.10	Prefix	pt	7.54
Cinch	pt	14.18	Provisia	oz	0.92
Cinch ATZ	pt	6.26	Prowl 3.3 EC	pt	6.63
Clarity	pt	15.00	Quelex	oz	9.52
Classic	oz	20.19	RealmQ	oz	4.97
Clearpath	oz	4.46	RebelEx	oz	2.23
Clethodim 2E	oz	0.23	Reflex	pt	8.18
Clincher SF	oz	2.69	Regiment	oz	48.18
Cobra	oz	0.75	Resicore	oz	0.41
Command 3ME	pt	14.95	Resource	oz	2.30
Corvus	oz	6.07	RiceBeaux	pt	6.72
Cotoran	pt	7.34	Riceshot	pt	4.68
Cotton Pro	pt	3.45	Ricestar HT	pt	27.50
Dicamba	pt	4.20	Ringside	pt	5.44
Direx	pt	3.22	Roundup Power Max	oz	0.18
Diuron	pt	3.09	Roundup PowerMax	pt	2.85
Dual II Magnum	pt	12.64	Roundup PowerMax ii	oz	0.31
Dual Magnum	pt	10.11	Roundup Pro	pt	0.20
Duet	pt	6.03	Scepter 70 DG	oz	6.04
Engenia	oz	1.06	Select Max	pt	15.01
Enlist Duo	pt	6.89	Sencor/Tricor.Metrib	lb	10.53
Enlist One	pt	7.57	Sequence	pt	7.72
Envive	oz	3.99	Sharpen	oz	7.46
Envoke	oz	100.77	Sinister	pt	11.75
Facet L	pt	17.36	Sonic	oz	3.80
Fierce	oz	7.75	Stalwart	pt	6.39
Fierce XLT	oz	4.74	Stam 80 EDF	lb	9.45
Finesse	oz	15.75	Stam M4	qt	7.85
Firestorm	pt	3.44	Staple LX	oz	8.28
First Rate	oz	34.50	Storm	pt	12.97
Flexstar	pt	8.98	Strada	oz	7.34
Flexstar GT	pt	6.75	Strada Pro	oz	7.49
Fusilade DX	oz	1.06	Strada XT2	oz	3.26
Gambit	oz	18.07	Superwham	qt	9.39
Glyphosate 3lbs a.e	pt	1.85	Suprend	lb	13.52
Glyphosate 3lbs a.e	oz	0.12	SureStart II	oz	0.45
Goal 2XL	pt	8.40	Surveil	oz	6.70
Gramoxone SL 2.0	oz	0.32	Synchrony XP	oz	12.00
Grandstand R	pt	21.42	Tavium	gal	76.16
Grasp	oz	13.56	Tempest	pt	27.52
Grasp Xtra	oz	1.72	Touchdown Total	qt	10.21
Halex GT	pt	6.11	Treflan	pt	3.65

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2025 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Trifluralin	pt	3.65	Nuprid 4F	oz	1.16
Triflurex	pt	3.47	Oberon	oz	3.67
Ultra Blazer	pt	5.44	Orthene 97	lb	27.26
Valor EZ	oz	5.27	Permethrin	oz	0.58
Valor SX	oz	3.06	Portal XLO	oz	0.74
Valor XLT	oz	3.59	Pounce 25WP	lb	19.96
Vamos	pt	6.49	Prevathon	oz	1.47
Verdict	oz	1.54	Python WDG	oz	19.25
Veritas	pt	7.49	Radiant	oz	6.87
Villain	pt	5.24	Sevin SL	pt	12.25
Volunteer	pt	10.63	Sevin XLR Plus	qt	19.25
Warrant	pt	4.60	Sivanto Prime	oz	3.18
XtendiMax	oz	0.92	Tempest	oz	1.72
Zidua SC	oz	5.51	Tenchu SG	oz	1.19
Zidua WG	oz	7.30	Transform WG	oz	9.34
INOCULANT			Up-Cyde	oz	0.84
Inoculant -Soybean	acre	1.55	Warrior II ZT	oz	3.02
Optimize LIFT	oz	0.58	Zeal	oz	7.91
INSECTICIDES			IRRIGATION SUPPLIES		
Abamectin .15EC	oz	0.31	Roll-Out Pipe	ft	0.24
Acephate 90%	lb	6.75	SEED/PLANTS		
Acephate 90SP	lb	6.75	Corn Seed BtRR	thous	3.61
Admire Pro	oz	2.19	Corn Seed Conv.	thous	3.80
Agri-Mek	oz	3.24	Corn Seed Op Leptra	thous	4.95
Asana .66 XL	oz	0.51	Corn Seed RR2	thous	4.55
Avenger	oz	0.86	Corn Seed VT2P	thous	3.79
Baythroid XL	oz	1.22	Cot. Seed B3XF/W3FE	thous	3.23
Belt	oz	6.41	Cotton Seed B3TXF	thous	3.27
Besiege	oz	2.91	Cotton Seed GLB2	thous	1.89
Bidrin 8EC	oz	1.60	Cotton Seed ThryvOn	thous	3.64
Bifenthrin	oz	0.48	Cotton Seed W3FE	thous	3.18
Bifenture 2EC	oz	0.47	Cotton Seed W3RF	thous	1.50
Brigade EC	pt	20.45	Peanut Seed	lb	1.15
Capture LFR	oz	1.32	Rice Conv Hyb Trt	lb	6.31
Centric 40WG	oz	7.29	Rice Fullpage Hyb Tr	lb	6.34
Cypermethrin	oz	0.65	Rice Seed CF(Levees)	lb	1.30
Declare	oz	1.73	Rice Seed Clearfield	lb	1.28
Diamond .83EC	oz	2.25	Rice Seed Conv.	lb	0.33
Dimethoate 4E	pt	8.51	Rice Seed Cv(Levees)	lb	0.33
Dimilin 2L	oz	2.45	Rice Seed CvH(Levee)	lb	1.93
Endigo	oz	2.04	Rice Seed FPH(Levee)	lb	6.34
Force 3G	lb	7.28	Rice Seed Max-Ace	lb	8.89
Hero	oz	1.36	Rice Seed Provisia	lb	1.32
Imidacloprid 4F	oz	0.48	Rice Seed Trt/Insect	lbseed	0.29
Imidan 70 WSB	oz	1.55	Sorghum Concept	lb	4.20
IncidentalPestTrt $8	acre	8.00	Sorghum Concept+ Po	lb	4.16
IncidentalPestTrt$15	acre	15.00	Soybean Enlist E3	lb	1.03
IncidentalPestTrt$22	acre	22.00	Soybean Seed LL	lb	1.32
IncidentalPestTrt$30	acre	30.00	Soybean Seed RR2	lb	1.15
Intrepid 2F	oz	2.28	Soybean Seed RR2X	lb	1.16
Intruder 70WSP	oz	1.13	Wheat Seed Private	lb	0.24
LambdaT	oz	2.10	SOIL TEST		
Lannate LV	pt	8.60	Soil Test	acre	10.00
Macho	oz	0.66	SURVEY & MARK LEVEES		
Malathion 8E	pt	9.84	Survey & Mark Levees	acre	4.50
Mustang Max	oz	1.48	Survey & Mark Levees	acre	4.50

Appendix Table 5. Estimated fuel prices and interest rates, Mississippi, 2025

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	2.86
Gasoline	gal	2.96
INTEREST RATES		
Short-term	%	8.25
Intermediate-term	%	8.50

Appendix Table 6. Labor types, wage rates and unallocated labor Multipliers for crop enterprises, Mississippi, 2025

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	18.69
IRRIGATE LABOR	hour	9.06
HAND LABOR	hour	9.06
HAND. & STOR. LABOR	hour	9.06
RICE MGT. LABOR	hour	9.06

CROP ENTERPRISE	UNALLOCATED LABOR MULTIPLIERS (%)
Corn	90
Cotton	80
Grain Sorghum	90
Peanuts	80
Rice	90
Soybeans	90
Wheat	80

Appendix Table 7. Futures contract prices, basis levels, forward contract prices, and loan rates used in row crop budgets, Mississippi, 2025

Crop	unit	Futures Contract Month	Futures Contract Price[a]	Basis[b]	Forward Contract Price[c]	Loan Rate[d]	Budget Price[e]
Corn	bu	Dec '25	4.57	-0.08	4.49	2.35	4.49
Cotton Lint	lb	Dec '25	0.7352	-0.0151	0.7201	0.52	0.7201
Cottonseed	lb						0.11[f]
Grain Sorghum	bu				4.27	4.09	4.27
Peanuts	ton				475.00	354.89	475.00
Soybeans	bu	Nov '25	10.88	-0.01	10.87	6.41[5]	10.87
Rice	bu	Nov '25	6.16	-0.16	6.00	3.21	6.00
Wheat	bu	Jul '25	6.41	-0.14	6.27	3.60	6.27

[a] Average of the daily closing futures contract prices during the first 5 trading days in October 2024 for the stated contract months.

[b] Basis is the cash price minus the futures contract price for the stated contract month. The reported basis is a daily average from 2009 to 2024 for corn, soybeans and wheat at Greenville, MS. Rice basis is a weekly average price for river point delivery. June harvest delivery for wheat. September harvest delivery for corn, rice and soybeans. October harvest delivery for cotton.

[c] The forward contract price for corn, cotton, rice, soybeans and wheat is the futures contract price plus the basis. The forward contract price for grain sorghum is 95% of the forward contract price for corn. The forward contract price for peanuts is an estimate from a poll of Extension Peanut Marketing Specialists.

[d] Average Mississippi County CCC Loan Rate for 2024 crop year for corn, grain sorghum, soybeans and wheat. Mississippi CCC 2024 Farm-stored Loan Rate for long grain rough rice. National 2024 Upland Cotton Marketing Assistance Loan Base Rate for cotton lint.

[e] Price used in MSU Extension Service Planning Budgets.

[f] Cottonseed price is the average marketing year price over the years 2008-2024.

Appendix Table 8 Estimated costs for field operations, per acre
Cotton irrigated with roll-out pipe
160-acre roll-out pipe system, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Land Plane	50'x16'		1.06	0.42	0.71		0.02	2.21	2.85	5.06
Set Up Engine										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Ditcher (1m/160a)			0.23	0.09	0.18		0.02	0.52	0.53	1.05
Roll-Out Pipe	ft	7.92					0.27	8.19		8.19
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.31	0.13	0.46		0.03	0.93	1.31	2.24
IRRIGATE LABOR	hour				1.81		0.06	1.87		1.87
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.47	0.20	0.69		0.02	1.38	1.96	3.34
Land Forming ($450)	each								43.97	43.97
Well & Pump, Furrow	each			2.96			0.10	3.06	12.03	15.09
Main Line Pipe	each								6.65	6.65
Engine, RPF, 75	each								11.82	11.82
June Irrigation	ac-in		8.15	1.40			0.33	9.88		9.88
July Irrigation	ac-in		8.15	1.40			0.26	9.81		9.81
August Irrigation	ac-in		8.15	1.40			0.20	9.75		9.75
TOTALS		7.92	26.52	8.00	4.77	0.00	1.34	48.55	81.12	129.67

Note: Cost of production estimates are based on 2024 input prices..

Appendix Table 9 Estimated costs for field operations, per acre
Cotton irrigated with center pivot
135-acre 1/4-mile pivot system, 7.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.27		0.01	0.28		0.28
Maintenance										
IRRIGATE LABOR	hour				1.07		0.04	1.11		1.11
Apply Water										
IRRIGATE LABOR	hour				0.15		0.01	0.16		0.16
Apply Water										
IRRIGATE LABOR	hour				0.20		0.01	0.21		0.21
Apply Water										
IRRIGATE LABOR	hour				0.15			0.15		0.15
Pivot, 1/4 CP	each			13.48			0.46	13.94	71.23	85.17
Well & Pump, 1/4 CP	each			3.50			0.12	3.62	14.26	17.88
Engine, 1/4 CP, 65	each								14.01	14.01
June Irr. 3app@.75"	ac-in		9.61	1.49			0.38	11.48		11.48
July Irr. 4app@.75"	ac-in		12.81	1.99			0.41	15.21		15.21
Aug Irr. 3app@.75"	ac-in		9.61	1.49			0.23	11.33		11.33
TOTALS		0.00	32.03	21.95	1.84	0.00	1.67	57.49	99.50	156.99

Note: Cost of production estimates are based on 2024 input prices.

Appendix Table 10. Estimated costs for field operations, per acre
Full-season soybeans irrigated with roll-out pipe
160-acre system, 9 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Land Plane	50'x16'		1.06	0.42	0.71		0.18	2.37	2.85	5.22
Set Up Engine										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Ditcher (1m/160a)			0.23	0.09	0.18		0.01	0.51	0.53	1.04
Roll-Out Pipe	ft	7.92					0.22	8.14		8.14
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.31	0.13	0.46		0.02	0.92	1.31	2.23
IRRIGATE LABOR	hour				1.81		0.05	1.86		1.86
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.47	0.20	0.69		0.01	1.37	1.96	3.33
Land Forming ($450)	each								43.97	43.97
Well & Pump, Furrow	each			2.96			0.08	3.04	12.03	15.07
Main Line Pipe	each								6.65	6.65
Engine, RPF, ESB	each								11.82	11.82
1st June Irrigation	ac-in		6.99	1.40			0.23	8.62		8.62
2nd June Irrigation	ac-in		6.99	1.40			0.23	8.62		8.62
July Irrigation	ac-in		6.99	1.40			0.17	8.56		8.56
TOTALS		7.92	23.04	8.00	4.77	0.00	1.23	44.96	81.12	126.08

Note: Cost of production estimates are based on 2024 input prices.

Appendix Table 11 Estimated costs for field operations, per acre
Irrigation with a contour flood system
80-acre system, 13.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Build Outside Levee										
Levee Pull (1m/80a)	8 blade		0.40	0.15	0.30		0.03	0.88	1.10	1.98
Survey & Mark Levees	acre	2.25					0.08	2.33		2.33
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.54	0.20	0.40		0.04	1.18	1.47	2.65
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.04	1.07	1.07	2.14
IRRIGATE LABOR	hour				0.68		0.02	0.70		0.70
Apply Water										
IRRIGATE LABOR	hour				0.11			0.11		0.11
Tear Down Levees										
Levee Splitter (1/80	32"		0.42	0.14	0.31		0.03	0.90	1.07	1.97
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.54	0.20	0.40		0.03	1.17	1.47	2.64
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.03	1.06	1.07	2.13
IRRIGATE LABOR	hour				0.68		0.02	0.70		0.70
Apply Water										
IRRIGATE LABOR	hour				0.11			0.11		0.11
Tear Down Levees										
Levee Splitter (1/80	32"		0.42	0.14	0.31		0.02	0.89	1.07	1.96
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.54	0.20	0.40		0.02	1.16	1.47	2.63
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.02	1.05	1.07	2.12
IRRIGATE LABOR	hour				0.68		0.01	0.69		0.69
Apply Water										
IRRIGATE LABOR	hour				0.11			0.11		0.11
Tear Down Levees										
Levee Splitter (1/80	32"		0.42	0.14	0.31		0.02	0.89	1.07	1.96
Tear Down Levees										
Levee Splitter (1/80	32"		0.31	0.10	0.23		0.01	0.65	0.81	1.46
Land Forming ($113)	each								11.04	11.04
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, CF, 75	each								23.64	23.64
June Irrigation	ac-in		10.48	2.80			0.46	13.74		13.74
July Irrigation	ac-in		10.48	2.80			0.37	13.65		13.65
August Irrigation	ac-in		10.48	2.80			0.27	13.55		13.55
TOTALS		2.25	36.53	16.06	6.59	0.00	1.74	63.17	71.48	134.65

Note: Cost of production estimates are based on 2024 input prices.
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Appendix Table 12 Estimated costs for field operations, per acre
Irrigation with a 1/2-mile center pivot system
530-acre system, 7.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.07			0.07		0.07
Maintenance										
IRRIGATE LABOR	hour				0.27		0.01	0.28		0.28
Apply Water										
IRRIGATE LABOR	hour				0.04			0.04		0.04
Apply Water										
IRRIGATE LABOR	hour				0.05			0.05		0.05
Apply Water										
IRRIGATE LABOR	hour				0.04			0.04		0.04
Pivot, 1/2 CP	each			8.60			0.30	8.90	45.46	54.36
Well & Pump, 1/2 CP	each			1.13			0.04	1.17	4.61	5.78
Engine, 1/2 CP, 174	each								6.38	6.38
June Irr. 3app@.75"	ac-in		14.08	0.68			0.51	15.27		15.27
July Irr. 4app@.75"	ac-in		18.77	0.91			0.54	20.22		20.22
Aug Irr. 3app@.75"	ac-in		14.08	0.68			0.30	15.06		15.06
TOTALS		0.00	46.93	12.00	0.47	0.00	1.70	61.10	56.45	117.55

Note: Cost of production estimates are based on 2024 input prices.

Appendix Table 13 Estimated costs for field operations, per acre
Corn irrigated with roll-out pipe
160-acre system, 13 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Land Plane	50'x16'		1.06	0.42	0.71		0.18	2.37	2.85	5.22
Set Up Engine										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Ditcher (1m/160a)			0.23	0.09	0.18		0.01	0.51	0.53	1.04
Roll-Out Pipe	ft	7.92					0.22	8.14		8.14
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.31	0.13	0.46		0.02	0.92	1.31	2.23
IRRIGATE LABOR	hour				1.81		0.05	1.86		1.86
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.47	0.20	0.69		0.02	1.38	1.96	3.34
Land Forming ($450)	each								43.97	43.97
Well & Pump, Furrow	each			2.96			0.08	3.04	12.03	15.07
Main Line Pipe	each								6.65	6.65
Engine, RPF, Corn	each								11.82	11.82
1st June Irrigation	ac-in		7.57	1.05			0.24	8.86		8.86
2nd June Irrigation	ac-in		7.57	1.05			0.24	8.86		8.86
3rd June Irrigation	ac-in		7.57	1.05			0.24	8.86		8.86
July Irrigation	ac-in		7.57	1.05			0.18	8.80		8.80
TOTALS		7.92	32.35	8.00	5.00	0.00	1.52	54.79	81.12	135.91

Note: Cost of production estimates are based on 2024 input prices.

Appendix Table 14 Estimated costs for field operations, per acre
Contour levee rice flood irrigation system
80-acre system, 33 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Build Outside Levee										
Levee Pull (1m/80a)	8 blade		0.40	0.15	0.30		0.04	0.89	1.10	1.99
Survey & Mark Levees	acre	4.50					0.19	4.69		4.69
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		1.07	0.40	0.80		0.09	2.36	2.95	5.31
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.04	1.07	1.07	2.14
IRRIGATE LABOR	hour				0.68		0.03	0.71		0.71
Install Gates										
IRRIGATE LABOR	hour				2.72		0.11	2.83		2.83
Apply Water										
IRRIGATE LABOR	hour				6.80		0.28	7.08		7.08
Apply Water										
IRRIGATE LABOR	hour				6.80		0.23	7.03		7.03
Apply Water										
IRRIGATE LABOR	hour				6.80		0.19	6.99		6.99
Apply Water										
IRRIGATE LABOR	hour				6.80		0.14	6.94		6.94
Remove Gates										
IRRIGATE LABOR	hour				0.91		0.01	0.92		0.92
Tear Down Levees										
Levee Splitter (1/80	32"		0.83	0.29	0.62		0.02	1.76	2.16	3.92
Tear Down Levees										
Levee Splitter (1/80	32"		0.31	0.10	0.23		0.01	0.65	0.81	1.46
Land Forming ($113)	each								11.04	11.04
Levee Gates	each								0.70	0.70
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, Rice CL, 75	each								23.64	23.64
May Irrigation	ac-in		13.98	1.53			0.64	16.15		16.15
June Irrigation	ac-in		20.97	2.29			0.80	24.06		24.06
July Irrigation	ac-in		20.97	2.29			0.64	23.90		23.90
August Irrigation	ac-in		20.97	2.29			0.48	23.74		23.74
TOTALS		4.50	80.00	15.41	34.28	0.00	4.16	138.35	67.53	205.88

Note: Cost of production estimates are based on 2024 input prices.
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Appendix Table 15 Estimated costs for field operations, per acre
Straight levee rice flood irrigation system
80-acre system, 27 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Survey & Mark Levees	acre	2.25					0.09	2.34		2.34
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.80	0.30	0.60		0.07	1.77	2.21	3.98
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.04	1.07	1.07	2.14
IRRIGATE LABOR	hour				0.68		0.03	0.71		0.71
Install Gates										
IRRIGATE LABOR	hour				1.36		0.06	1.42		1.42
Apply Water										
IRRIGATE LABOR	hour				4.53		0.19	4.72		4.72
Apply Water										
IRRIGATE LABOR	hour				4.53		0.16	4.69		4.69
Apply Water										
IRRIGATE LABOR	hour				4.53		0.12	4.65		4.65
Apply Water										
IRRIGATE LABOR	hour				4.53		0.09	4.62		4.62
Remove Gates										
IRRIGATE LABOR	hour				0.91		0.01	0.92		0.92
Tear Down Levees										
Levee Splitter (1/80	32"		0.63	0.22	0.47		0.02	1.34	1.61	2.95
Land Forming ($450)	each								43.97	43.97
Levee Gates	each								0.70	0.70
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, Rice SL, 75	each								23.64	23.64
May Irrigation	ac-in		13.98	1.86			0.65	16.49		16.49
June Irrigation	ac-in		16.31	2.18			0.64	19.13		19.13
July Irrigation	ac-in		16.31	2.18			0.51	19.00		19.00
August Irrigation	ac-in		16.31	2.18			0.38	18.87		18.87
TOTALS		2.25	64.84	14.99	22.96	0.00	3.28	108.32	97.26	205.58

Note: Cost of production estimates are based on 2024 input prices.
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Appendix Table 16 Estimated costs for field operations, per acre
Straight levee rice multi inlet flood irrigation system
80-acre system, 23 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Survey & Mark Levees	acre	2.25					0.09	2.34		2.34
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.80	0.30	0.60		0.07	1.77	2.21	3.98
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.04	1.07	1.07	2.14
IRRIGATE LABOR	hour				0.68		0.03	0.71		0.71
Ditcher (1m/160a)			0.23	0.09	0.18		0.02	0.52	0.53	1.05
Roll-Out Pipe	ft	7.92					0.33	8.25		8.25
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.31	0.13	0.46		0.04	0.94	1.31	2.25
Install Gates										
IRRIGATE LABOR	hour				1.36		0.06	1.42		1.42
Apply Water										
IRRIGATE LABOR	hour				1.81		0.07	1.88		1.88
Apply Water										
IRRIGATE LABOR	hour				1.81		0.06	1.87		1.87
Apply Water										
IRRIGATE LABOR	hour				1.81		0.05	1.86		1.86
Apply Water										
IRRIGATE LABOR	hour				1.81		0.04	1.85		1.85
Remove Gates										
IRRIGATE LABOR	hour				0.45		0.01	0.46		0.46
Tear Down Levees										
Levee Splitter (1/80	32"		0.63	0.22	0.47		0.02	1.34	1.61	2.95
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.16	0.06	0.23		0.01	0.46	0.66	1.12
Land Forming ($450)	each								43.97	43.97
Levee Gates	each								0.35	0.35
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, Mult In Rice	each								23.64	23.64
May Irrigation	ac-in		11.65	1.75			0.55	13.95		13.95
June Irrigation	ac-in		13.98	2.10			0.55	16.63		16.63
July Irrigation	ac-in		13.98	2.10			0.44	16.52		16.52
August Irrigation	ac-in		13.98	2.10			0.33	16.41		16.41
TOTALS		10.17	56.22	14.92	12.49	0.00	3.03	96.83	99.41	196.24

Note: Cost of production estimates are based on 2024 input prices.

Appendix Table 17 Estimated costs for field operations, per acre
Straight levee rice - zero grade flood irrigation
80-acre system, 19 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Apply Water										
IRRIGATE LABOR	hour				2.27		0.09	2.36		2.36
Apply Water										
IRRIGATE LABOR	hour				2.27		0.08	2.35		2.35
Apply Water										
IRRIGATE LABOR	hour				2.27		0.06	2.33		2.33
Apply Water										
IRRIGATE LABOR	hour				2.27		0.05	2.32		2.32
Land Forming ($450)	each								43.97	43.97
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, Rice SL, 75	each								23.64	23.64
May Irrigation	ac-in		9.32	1.24			0.44	11.00		11.00
June Irrigation	ac-in		11.65	1.55			0.45	13.65		13.65
July Irrigation	ac-in		11.65	1.55			0.36	13.56		13.56
August Irrigation	ac-in		11.65	1.55			0.27	13.47		13.47
TOTALS		0.00	44.27	11.80	9.53	0.00	2.02	67.62	91.67	159.29

Note: Cost of production estimates are based on 2024 input prices.
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Appendix Table 18 Estimated costs for field operations, per acre
Peanuts irrigated with roll-out pipe
160-acre system, 12 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Land Plane	50'x16'		1.06	0.42	0.71		0.18	2.37	2.85	5.22
Set Up Engine										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Ditcher (1m/160a)			0.23	0.09	0.18		0.02	0.52	0.53	1.05
Roll-Out Pipe	ft	7.92					0.27	8.19		8.19
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.31	0.13	0.46		0.03	0.93	1.31	2.24
IRRIGATE LABOR	hour				1.81		0.06	1.87		1.87
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.47	0.20	0.69		0.02	1.38	1.96	3.34
Land Forming ($450)	each								43.97	43.97
Well & Pump, Furrow	each			2.96			0.10	3.06	12.03	15.09
Main Line Pipe	each								6.65	6.65
Engine, RPF, PNUT	each								11.82	11.82
1st July Irrigation	ac-in		6.99	1.05			0.22	8.26		8.26
1st Aug Irrigation	ac-in		6.99	1.05			0.17	8.21		8.21
2nd Aug Irrigation	ac-in		6.99	1.05			0.17	8.21		8.21
1st Sep Irrigation	ac-in		6.99	1.05			0.11	8.15		8.15
TOTALS		7.92	30.03	8.00	5.00	0.00	1.37	52.32	81.12	133.44

Note: Cost of production estimates are based on 2024 input prices.

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