

**NON-DELTA
2025
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2024-06**

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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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:

$$RPH = \frac{RLC \times RP}{THL}$$

$$RPA = RPH \times PR$$

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

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

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:

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

$$\text{CRCPA} = \text{CRCPH} \times \text{PR}$$

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 operations.

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 10. 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, 8R-38" solid, conservation tillage
 B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	1000.0000	110.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.9288	17.36	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.3579	3.24	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.72	0.9608	17.99	_____
DIESEL FUEL					
Tractors	gal	2.86	14.3433	41.03	_____
Self-Propelled	gal	2.86	4.4209	12.66	_____
REPAIR & MAINTENANCE					
Implements	acre	14.67	1.0000	14.67	_____
Tractors	acre	11.37	1.0000	11.37	_____
Self-Propelled	acre	14.39	1.0000	14.39	_____
INTEREST ON OP. CAP.	acre	27.43	1.0000	27.43	_____
TOTAL DIRECT EXPENSES				778.70	_____
FIXED EXPENSES					
Implements	acre	27.45	1.0000	27.45	_____
Tractors	acre	88.02	1.0000	88.02	_____
Self-Propelled	acre	74.91	1.0000	74.91	_____
TOTAL FIXED EXPENSES				190.38	_____
TOTAL SPECIFIED EXPENSES				969.08	_____

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, 8R-38" solid, conservation tillage
 B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_____
Cotton Seed	lb	0.11	1350.0000	148.50	_____

TOTAL INCOME				868.60	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	110.00	1.0000	110.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	48.20	1.0000	48.20	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.5801	5.23	_____
OPERATOR LABOR	hour	18.69	1.2010	22.45	_____
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_____
DIESEL FUEL	gal	2.86	18.7642	53.69	_____
REPAIR & MAINTENANCE	acre	40.43	1.0000	40.43	_____
INTEREST ON OP. CAP.	acre	27.43	1.0000	27.43	_____

TOTAL DIRECT EXPENSES				778.70	_____
RETURNS ABOVE DIRECT EXPENSES				89.90	_____

TOTAL FIXED EXPENSES				190.38	_____

TOTAL SPECIFIED EXPENSES				969.08	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-100.48	_____

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.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 B3TXF variety, Non-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	8R-38	MFWD 300	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Bed/Disk (Hipper)Rd	8R-38	MFWD 300	0.074	0.50	Nov		0.03	0.03	0.03	0.02
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant - Folding	8R-38	MFWD 300	0.074	1.00	May		0.07	0.07	0.14	0.05
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)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.20	0.92	1.78	0.96

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, 8R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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		3.57	3.06	2.72			0.77	10.12	12.27
Bed/Disk (Hipper)Rd	8R-38		1.64	0.76	1.24			0.30	3.94	4.54
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76
Clarity	pt	7.50						0.41	7.91	7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05	4.05
Surfactant	pt	0.66						0.04	0.70	0.70
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96			0.43	9.30	9.50
UAN (32%)	gal	34.86						1.68	36.54	36.54
Row Cond Rigid	26'		2.64	1.08	2.01			0.24	5.97	7.52
Plant - Folding	8R-38		3.29	2.94	3.18			0.39	9.80	11.97
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
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
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
Bidrin 8EC	oz	5.12						0.18	5.30	5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96			0.30	9.17	9.50
UAN (32%)	gal	34.86						1.20	36.06	36.06
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55			0.24	7.17	7.26
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
Mepiquat Chloride	oz	0.80						0.02	0.82	0.82
Acephate 90%	lb	5.06						0.14	5.20	5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
IncidentalPestTrt\$15	acre	15.00						0.41	15.41	15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Acephate 90%	lb	5.06						0.10	5.16	5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Thidiazuron 4lb	oz	2.51						0.03	2.54	2.54
Ethephon 6E	pt	9.52						0.13	9.65	9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88
Tribufos 6lb	pt	7.35						0.10	7.45	7.45
Ethephon 6E	pt	1.49						0.02	1.51	1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36			0.20	29.09	59.95
Boll Buggy	6R-38(355)		7.61	3.42	5.80			0.12	16.95	19.71
Module Builder	6R-38(355)		7.61	3.60	7.36			0.13	18.70	20.18
Gin & Haul	lb	110.00						0.76	110.76	110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02
TOTALS		611.48	53.69	40.43	45.67	0.00	27.43	778.70	190.38	969.08

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, 8R-38" solid, conservation tillage
 B3TXF variety, Non-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	868.60
DIRECT EXPENSES												
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	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	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	11.34	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	20.06	5.06	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	0.80	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	3.96	0.00	0.00	0.00	0.45	2.96	6.09	5.96	0.90	0.45	0.68	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	5.21	0.00	0.00	0.00	0.43	3.43	6.79	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	3.82	0.00	0.00	0.00	0.22	2.48	4.46	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	8.25	0.00	0.00	0.00	0.72	2.11	10.55	3.44	0.63	0.12	0.31	1.30
TOTAL DIRECT EXPENSES	108.44	0.00	0.00	0.00	13.82	45.84	265.64	103.22	23.69	6.28	22.83	188.94
NET INCOME	-108.44	0.00	0.00	0.00	-13.82	-45.84	-265.64	-103.22	-23.69	-6.28	-22.83	679.66
NET INCOME TO DATE	-108.44	-108.44	-108.44	-108.44	-122.26	-168.10	-433.74	-536.96	-560.65	-566.93	-589.76	89.90

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.

* Lease costs are based on hourly usage costs.

Table 1.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 B3TXF variety, Non-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	500.00	lb	-304	-286	-268	-250	-232	-214	-196	-178	-160	-142	-124
			-495	-477	-459	-441	-423	-405	-387	-369	-351	-333	-315
60	600.00	lb	-261	-240	-218	-197	-175	-153	-132	-110	-89	-67	-45
			-452	-430	-409	-387	-365	-344	-322	-301	-279	-257	-236
70	700.00	lb	-218	-193	-168	-143	-118	-92	-67	-42	-17	7	33
			-409	-384	-358	-333	-308	-283	-258	-232	-207	-182	-157
80	800.00	lb	-175	-147	-118	-89	-60	-31	-3	25	54	83	112
			-366	-337	-308	-279	-251	-222	-193	-164	-135	-107	-78
90	900.00	lb	-133	-100	-68	-35	-3	28	61	93	126	158	190
			-323	-291	-258	-226	-193	-161	-129	-96	-64	-31	0
100	1000.00	lb	-90	-54	-18	17	53	89	125	161	197	233	269
			-280	-244	-208	-172	-136	-100	-64	-28	7	43	79
110	1100.00	lb	-47	-7	32	71	111	150	190	230	269	309	348
			-237	-197	-158	-118	-79	-39	0	39	79	118	158
120	1200.00	lb	-4	38	82	125	168	211	254	298	341	384	427
			-194	-151	-108	-65	-21	21	64	107	151	194	237
130	1300.00	lb	38	85	132	179	225	272	319	366	413	459	506
			-151	-104	-58	-11	35	82	129	175	222	269	316
140	1400.00	lb	81	132	182	232	283	333	384	434	484	535	585
			-108	-58	-7	42	92	143	193	244	294	344	395
150	1500.00	lb	124	178	232	286	340	394	448	502	556	610	664
			-65	-11	42	96	150	204	258	312	366	420	474

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, 8R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	900.0000	99.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	18.4000	44.34	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.7365	13.77	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.3222	2.91	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.73	0.8069	15.12	_____
DIESEL FUEL					
Tractors	gal	2.86	11.3731	32.53	_____
Self-Propelled	gal	2.86	4.4209	12.66	_____
REPAIR & MAINTENANCE					
Implements	acre	11.09	1.0000	11.09	_____
Tractors	acre	9.02	1.0000	9.02	_____
Self-Propelled	acre	14.39	1.0000	14.39	_____
INTEREST ON OP. CAP.	acre	24.51	1.0000	24.51	_____
TOTAL DIRECT EXPENSES				718.18	_____
FIXED EXPENSES					
Implements	acre	20.44	1.0000	20.44	_____
Tractors	acre	69.80	1.0000	69.80	_____
Self-Propelled	acre	74.91	1.0000	74.91	_____
TOTAL FIXED EXPENSES				165.15	_____
TOTAL SPECIFIED EXPENSES				883.33	_____

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 2.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, no-till
 B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_____
Cotton Seed	lb	0.11	1215.0000	133.65	_____

TOTAL INCOME				781.74	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	99.00	1.0000	99.00	_____
FERTILIZERS	acre	84.98	1.0000	84.98	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	48.20	1.0000	48.20	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.5444	4.90	_____
OPERATOR LABOR	hour	18.69	1.0087	18.86	_____
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	_____
DIESEL FUEL	gal	2.86	15.7941	45.19	_____
REPAIR & MAINTENANCE	acre	34.50	1.0000	34.50	_____
INTEREST ON OP. CAP.	acre	24.51	1.0000	24.51	_____

TOTAL DIRECT EXPENSES				718.18	_____
RETURNS ABOVE DIRECT EXPENSES				63.56	_____
TOTAL FIXED EXPENSES				165.15	_____

TOTAL SPECIFIED EXPENSES				883.33	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-101.59	_____

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, 8R-38" solid, no-till
 B3TXF variety, Non-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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant-Folding	8R-38	MFWD 300	0.077	1.00	May		0.07	0.07	0.15	0.06
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)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.00	0.73	1.55	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 2.D Estimated costs for field operations, per acre
 Cotton, 8R-38" solid, no-till
 B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
Surfactant	pt	0.66						0.04	0.70		0.70
Row Cond Rigid	26'		2.64	1.08	2.01			0.24	5.97	7.52	13.49
NT Plant-Folding	8R-38		3.43	3.31	3.31			0.41	10.46	13.05	23.51
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)	8R-38		3.43	2.48	2.96			0.30	9.17	9.50	18.67
UAN (32%)	gal	44.34						1.52	45.86		45.86
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55			0.24	7.17	7.26	14.43
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
IncidentalPestTrt\$15	acre	15.00						0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35						0.10	7.45		7.45
Ethephon 6E	pt	1.49						0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36			0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80			0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36			0.13	18.70	20.18	38.88
Gin & Haul	lb	99.00						0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
TOTALS			575.10	45.19	34.50	38.88	0.00	24.51	718.18	165.15	883.33

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 2.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, no-till
B3TXF variety, Non-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	781.74
DIRECT EXPENSES												
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	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	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	11.34	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	20.06	5.06	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	0.80	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	0.45	0.00	6.22	5.96	0.90	0.45	0.68	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	0.00	0.00	0.00	0.00	0.43	0.00	6.93	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.83	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.57	3.76	0.63	0.12	0.31	1.22
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	266.30	113.02	23.69	6.28	22.83	177.86
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-266.30	-113.02	-23.69	-6.28	-22.83	603.88
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-374.50	-487.52	-511.21	-517.49	-540.32	63.56

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 2.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, no-till
 B3TXF variety, Non-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	450.00	lb	-291	-275	-259	-243	-226	-210	-194	-178	-162	-145	-129
			-456	-440	-424	-408	-391	-375	-359	-343	-327	-310	-294
60	540.00	lb	-253	-233	-214	-194	-175	-155	-136	-116	-97	-78	-58
			-418	-398	-379	-359	-340	-320	-301	-282	-262	-243	-223
70	630.00	lb	-214	-191	-169	-146	-123	-100	-78	-55	-32	-10	12
			-379	-356	-334	-311	-288	-266	-243	-220	-198	-175	-152
80	720.00	lb	-175	-149	-123	-97	-72	-46	-20	5	31	57	83
			-340	-314	-289	-263	-237	-211	-185	-159	-133	-107	-81
90	810.00	lb	-137	-107	-78	-49	-20	8	37	67	96	125	154
			-302	-273	-243	-214	-185	-156	-127	-98	-68	-39	-10
100	900.00	lb	-98	-66	-33	-1	31	63	95	128	160	193	225
			-263	-231	-198	-166	-133	-101	-69	-36	-4	28	60
110	990.00	lb	-59	-24	11	47	82	118	154	189	225	260	296
			-224	-189	-153	-118	-82	-46	-11	24	60	95	131
120	1080.00	lb	-21	17	56	95	134	173	212	251	289	328	367
			-186	-147	-108	-69	-30	8	46	85	124	163	202
130	1170.00	lb	17	59	101	143	185	228	270	312	354	396	438
			-147	-105	-63	-21	20	62	105	147	189	231	273
140	1260.00	lb	56	101	146	192	237	282	328	373	419	464	509
			-109	-63	-18	27	72	117	163	208	253	299	344
150	1350.00	lb	94	143	191	240	289	337	386	434	483	532	580
			-70	-21	26	75	124	172	221	269	318	367	415

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, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	1000.0000	110.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.4268	7.98	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.74	0.5592	10.48	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_____
Self-Propelled	gal	2.86	5.7068	16.33	_____
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_____
Tractors	acre	5.23	1.0000	5.23	_____
Self-Propelled	acre	31.06	1.0000	31.06	_____
INTEREST ON OP. CAP.	acre	26.56	1.0000	26.56	_____
TOTAL DIRECT EXPENSES				747.27	_____
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_____
Tractors	acre	40.44	1.0000	40.44	_____
Self-Propelled	acre	154.70	1.0000	154.70	_____
TOTAL FIXED EXPENSES				214.98	_____
TOTAL SPECIFIED EXPENSES				962.25	_____

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_____
Cotton Seed	lb	0.11	1350.0000	148.50	_____

TOTAL INCOME				868.60	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	110.00	1.0000	110.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	48.20	1.0000	48.20	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3458	3.10	_____
OPERATOR LABOR	hour	18.69	0.6990	13.07	_____
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	_____
DIESEL FUEL	gal	2.86	12.2980	35.17	_____
REPAIR & MAINTENANCE	acre	47.41	1.0000	47.41	_____
INTEREST ON OP. CAP.	acre	26.56	1.0000	26.56	_____

TOTAL DIRECT EXPENSES				747.27	_____
RETURNS ABOVE DIRECT EXPENSES				121.33	_____
TOTAL FIXED EXPENSES					
				214.98	_____

TOTAL SPECIFIED EXPENSES				962.25	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-93.65	_____

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.

Table 3.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 B3TXF variety, Non-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
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
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					14.4666				
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					14.4666				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
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	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.69	0.42	1.04	0.55

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
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	34.86						1.68	36.54		36.54
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	34.86						1.20	36.06		36.06
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
IncidentalPestTrt\$15	acre	15.00						0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
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	110.00						0.76	110.76		110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
TOTALS		611.48	35.17	47.41	26.65	0.00	26.56	747.27	214.98	962.25	

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 3.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Non-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	868.60
DIRECT EXPENSES												
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	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	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	11.34	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	20.06	5.06	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	0.80	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	0.45	1.97	4.39	4.12	0.90	0.45	0.68	11.06
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	0.43	2.28	4.85	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.37	3.27	0.63	0.12	0.31	1.19
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	261.18	98.04	23.69	6.28	22.83	173.77
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-261.18	-98.04	-23.69	-6.28	-22.83	694.83
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-422.66	-520.70	-544.39	-550.67	-573.50	121.33

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 3.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage
 B3TXF variety, Non-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	500.00	lb	-273 -488	-255 -470	-237 -452	-219 -434	-201 -416	-183 -398	-165 -380	-147 -362	-129 -344	-111 -326	-93 -308
60	600.00	lb	-230 -445	-208 -423	-187 -402	-165 -380	-144 -358	-122 -337	-100 -315	-79 -294	-57 -272	-35 -250	-14 -229
70	700.00	lb	-187 -402	-162 -377	-137 -352	-111 -326	-86 -301	-61 -276	-36 -251	-11 -226	14 -200	39 -175	64 -150
80	800.00	lb	-144 -359	-115 -330	-86 -301	-58 -273	-29 -244	-0 -215	28 -186	57 -157	85 -129	114 -100	143 -71
90	900.00	lb	-101 -316	-69 -284	-36 -251	-4 -219	27 -186	60 -154	92 -122	125 -89	157 -57	190 -24	222 7
100	1000.00	lb	-58 -273	-22 -237	13 -201	49 -165	85 -129	121 -93	157 -57	193 -21	229 14	265 50	301 86
110	1100.00	lb	-15 -230	23 -191	63 -151	103 -111	142 -72	182 -32	221 6	261 46	301 86	340 125	380 165
120	1200.00	lb	27 -187	70 -144	113 -101	156 -58	199 -14	243 28	286 71	329 114	372 157	416 201	459 244
130	1300.00	lb	70 -144	116 -98	163 -51	210 -4	257 42	304 89	350 135	397 182	444 229	491 276	538 323
140	1400.00	lb	113 -101	163 -51	213 -1	264 49	314 99	365 150	415 200	465 250	516 301	566 351	617 402
150	1500.00	lb	155 -59	209 -5	263 48	317 103	371 157	426 211	480 265	534 319	588 373	642 427	696 481

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, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	900.0000	99.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	18.4000	44.34	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.2987	5.59	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
hour	hour	18.76	0.4567	8.57	_____
DIESEL FUEL					
Tractors	gal	2.86	4.6137	13.19	_____
Self-Propelled	gal	2.86	5.7068	16.33	_____
REPAIR & MAINTENANCE					
Implements	acre	7.73	1.0000	7.73	_____
Tractors	acre	3.66	1.0000	3.66	_____
Self-Propelled	acre	31.06	1.0000	31.06	_____
INTEREST ON OP. CAP.	acre	24.05	1.0000	24.05	_____
TOTAL DIRECT EXPENSES				693.26	_____
FIXED EXPENSES					
Implements	acre	12.48	1.0000	12.48	_____
Tractors	acre	28.31	1.0000	28.31	_____
Self-Propelled	acre	154.70	1.0000	154.70	_____
TOTAL FIXED EXPENSES				195.49	_____
TOTAL SPECIFIED EXPENSES				888.75	_____

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_____
Cotton Seed	lb	0.11	1215.0000	133.65	_____

TOTAL INCOME				781.74	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	99.00	1.0000	99.00	_____
FERTILIZERS	acre	84.98	1.0000	84.98	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	48.20	1.0000	48.20	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3220	2.89	_____
OPERATOR LABOR	hour	18.69	0.5709	10.68	_____
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	_____
DIESEL FUEL	gal	2.86	10.3205	29.52	_____
REPAIR & MAINTENANCE	acre	42.45	1.0000	42.45	_____
INTEREST ON OP. CAP.	acre	24.05	1.0000	24.05	_____

TOTAL DIRECT EXPENSES				693.26	_____
RETURNS ABOVE DIRECT EXPENSES				88.48	_____

TOTAL FIXED EXPENSES				195.49	_____

TOTAL SPECIFIED EXPENSES				888.75	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-107.01	_____

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 4.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, no-till
 B3TXF variety, Non-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					
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00	
Clarity	pt					0.5000					
Glyphosate 3lbs a.e	oz					32.0000					
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					18.4000					
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					
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00	
Mepiquat Chloride	oz					16.0000					
Acephate 90%	lb					0.7500					
Incidental Pest				1.00	Jul						
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00	
IncidentalPestTrt\$15	acre					1.0000					
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00	
Acephate 90%	lb					0.7500					
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00	
Thidiazuron 4lb	oz					2.3000					
Ethephon 6E	pt					2.0000					
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00	
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	900.0000					
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08	
TOTALS								0.57	0.29	0.89	0.45

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
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	44.34						1.52	45.86		45.86
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
IncidentalPestTrt\$15	acre	15.00						0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
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	99.00						0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
TOTALS		575.10	29.52	42.45	22.14	0.00	24.05	693.26	195.49	888.75	

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 4.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Non-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	781.74
DIRECT EXPENSES												
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	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	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	11.34	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	20.06	5.06	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	0.80	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	0.45	0.00	4.48	4.12	0.90	0.45	0.68	11.06
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	0.43	0.00	4.94	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.17	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.39	3.59	0.63	0.12	0.31	1.11
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	261.73	107.84	23.69	6.28	22.83	162.69
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-261.73	-107.84	-23.69	-6.28	-22.83	619.05
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-369.93	-477.77	-501.46	-507.74	-530.57	88.48

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.

* 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, Non-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	450.00	lb	-266	-250	-234	-218	-201	-185	-169	-153	-137	-120	-104
			-462	-446	-429	-413	-397	-381	-365	-348	-332	-316	-300
60	540.00	lb	-228	-208	-189	-169	-150	-130	-111	-91	-72	-53	-33
			-423	-404	-384	-365	-345	-326	-306	-287	-268	-248	-229
70	630.00	lb	-189	-166	-144	-121	-98	-76	-53	-30	-7	14	37
			-384	-362	-339	-316	-294	-271	-248	-226	-203	-180	-158
80	720.00	lb	-150	-124	-98	-73	-47	-21	4	30	56	82	108
			-346	-320	-294	-268	-242	-216	-190	-164	-138	-112	-87
90	810.00	lb	-112	-83	-53	-24	4	33	62	91	121	150	179
			-307	-278	-249	-220	-191	-161	-132	-103	-74	-45	-16
100	900.00	lb	-73	-41	-8	23	56	88	120	153	185	218	250
			-269	-236	-204	-171	-139	-107	-74	-42	-9	22	55
110	990.00	lb	-34	0	36	72	107	143	178	214	250	285	321
			-230	-194	-159	-123	-87	-52	-16	19	54	90	126
120	1080.00	lb	3	42	81	120	159	198	237	275	314	353	392
			-191	-152	-113	-75	-36	2	41	80	119	158	197
130	1170.00	lb	42	84	126	168	210	253	295	337	379	421	463
			-153	-110	-68	-26	15	57	99	141	183	226	268
140	1260.00	lb	81	126	171	217	262	307	353	398	443	489	534
			-114	-69	-23	21	66	112	157	203	248	293	339
150	1350.00	lb	119	168	216	265	314	362	411	459	508	557	605
			-75	-27	21	69	118	167	215	264	313	361	410

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" solid, conservation tillage
 B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.5000	22.50	_____
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.4268	7.98	_____
Self-Propelled	hour	18.69	0.2780	5.20	_____
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	0.2251	2.02	_____
UNALLOCATED LABOR					
	hour	18.72	0.5639	10.56	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_____
Self-Propelled	gal	2.86	5.7817	16.54	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_____
Tractors	acre	5.23	1.0000	5.23	_____
Self-Propelled	acre	31.17	1.0000	31.17	_____
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_____
INTEREST ON OP. CAP.	acre	28.61	1.0000	28.61	_____
TOTAL DIRECT EXPENSES				835.18	_____
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_____
Tractors	acre	40.44	1.0000	40.44	_____
Self-Propelled	acre	155.58	1.0000	155.58	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____
TOTAL FIXED EXPENSES				315.36	_____
TOTAL SPECIFIED EXPENSES				1150.54	_____

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 5.B Summary of estimated costs and returns per acre
 Cotton, 12R-38" solid, conservation tillage
 B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, 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					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	55.70	1.0000	55.70	_____
SEED/PLANTS	acre	147.15	1.0000	147.15	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3487	3.13	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.7049	13.18	_____
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_____
DIESEL FUEL	gal	2.86	23.5740	67.41	_____
REPAIR & MAINTENANCE	acre	69.47	1.0000	69.47	_____
INTEREST ON OP. CAP.	acre	28.61	1.0000	28.61	_____

TOTAL DIRECT EXPENSES				835.18	_____
RETURNS ABOVE DIRECT EXPENSES				207.14	_____
TOTAL FIXED EXPENSES					
				315.36	_____

TOTAL SPECIFIED EXPENSES				1150.54	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-108.22	_____

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 5.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-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	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
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
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					14.4666				
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					14.4666				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.50	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.02	0.01
IncidentalPestTrt\$15	acre					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
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	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.70	0.42	1.25	0.56

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.

Table 5.D Estimated costs for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
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	34.86						1.68	36.54		36.54
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	34.86						1.20	36.06		36.06
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.64	0.33	0.67			0.05	1.69	2.64	4.33
IncidentalPestTrt\$15	acre	22.50						0.62	23.12		23.12
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
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	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84			1.67	57.49	99.50	156.99
TOTALS		640.98	67.41	69.47	28.71	0.00	28.61	835.18	315.36	1150.54	

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 5.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, conservation tillage
 B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-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	1042.32
DIRECT EXPENSES												
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	34.86	0.00	34.86	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	11.34	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	27.56	5.06	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	0.80	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	0.45	1.97	5.73	4.27	1.32	0.60	0.68	11.06
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	0.43	2.28	4.85	14.29	13.88	10.04	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	21.56	2.54	1.71	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.42	4.24	1.28	0.35	0.31	1.34
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	262.57	127.24	47.38	17.76	22.83	195.92
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-262.57	-127.24	-47.38	-17.76	-22.83	846.40
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-424.05	-551.29	-598.67	-616.43	-639.26	207.14

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.

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" solid, conservation tillage
 B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-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	600.00	lb	-266	-244	-223	-201	-180	-158	-136	-115	-93	-72	-50
			-581	-560	-538	-517	-495	-473	-452	-430	-409	-387	-365
60	720.00	lb	-214	-189	-163	-137	-111	-85	-59	-33	-7	18	44
			-530	-504	-478	-452	-426	-400	-374	-348	-322	-297	-271
70	840.00	lb	-163	-133	-102	-72	-42	-12	18	48	78	108	138
			-478	-448	-418	-388	-357	-327	-297	-267	-236	-206	-176
80	960.00	lb	-111	-77	-42	-8	26	60	95	130	164	199	233
			-427	-392	-358	-323	-289	-254	-219	-185	-150	-116	-81
90	1080.00	lb	-60	-21	17	56	95	134	172	211	250	289	328
			-375	-336	-297	-259	-220	-181	-142	-103	-64	-25	13
100	1200.00	lb	-8	34	77	120	163	207	250	293	336	379	423
			-324	-281	-237	-194	-151	-108	-65	-21	21	64	107
110	1320.00	lb	42	90	137	185	232	280	327	375	422	470	517
			-272	-225	-177	-130	-82	-35	12	59	107	155	202
120	1440.00	lb	94	145	197	249	301	353	405	457	508	560	612
			-221	-169	-117	-65	-13	38	89	141	193	245	297
130	1560.00	lb	145	201	258	314	370	426	482	538	595	651	707
			-169	-113	-57	-1	54	111	167	223	279	335	391
140	1680.00	lb	197	257	318	378	439	499	560	620	681	741	802
			-118	-57	2	63	123	184	244	305	365	426	486
150	1800.00	lb	248	313	378	443	507	572	637	702	767	831	896
			-66	-1	62	127	192	257	322	387	451	516	581

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, 8R-38" solid, conservation tillage
 W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	1000.0000	110.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.9288	17.36	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.3579	3.24	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.72	0.9608	17.99	_____
DIESEL FUEL					
Tractors	gal	2.86	14.3433	41.03	_____
Self-Propelled	gal	2.86	4.4209	12.66	_____
REPAIR & MAINTENANCE					
Implements	acre	14.67	1.0000	14.67	_____
Tractors	acre	11.37	1.0000	11.37	_____
Self-Propelled	acre	14.39	1.0000	14.39	_____
INTEREST ON OP. CAP.	acre	27.76	1.0000	27.76	_____
TOTAL DIRECT EXPENSES				788.40	_____
FIXED EXPENSES					
Implements	acre	27.45	1.0000	27.45	_____
Tractors	acre	88.02	1.0000	88.02	_____
Self-Propelled	acre	74.91	1.0000	74.91	_____
TOTAL FIXED EXPENSES				190.38	_____
TOTAL SPECIFIED EXPENSES				978.78	_____

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, 8R-38" solid, conservation tillage
 W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_____
Cotton Seed	lb	0.11	1350.0000	148.50	_____

TOTAL INCOME				868.60	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	110.00	1.0000	110.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	109.84	1.0000	109.84	_____
INSECTICIDES	acre	48.20	1.0000	48.20	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.5801	5.23	_____
OPERATOR LABOR	hour	18.69	1.2010	22.45	_____
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_____
DIESEL FUEL	gal	2.86	18.7642	53.69	_____
REPAIR & MAINTENANCE	acre	40.43	1.0000	40.43	_____
INTEREST ON OP. CAP.	acre	27.76	1.0000	27.76	_____

TOTAL DIRECT EXPENSES				788.40	_____
RETURNS ABOVE DIRECT EXPENSES				80.20	_____

TOTAL FIXED EXPENSES				190.38	_____

TOTAL SPECIFIED EXPENSES				978.78	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-110.18	_____

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, 8R-38" solid, conservation tillage
 W3FE variety, Non-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	8R-38	MFWD 300	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Bed/Disk (Hipper)Rd	8R-38	MFWD 300	0.074	0.50	Nov		0.03	0.03	0.03	0.02
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant - Folding	8R-38	MFWD 300	0.074	1.00	May		0.07	0.07	0.14	0.05
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)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38 (355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38 (355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38 (355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.20	0.92	1.78	0.96

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, 8R-38" solid, conservation tillage
 W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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% K20)	cwt	40.64						3.35	43.99	43.99
Bed-Subsoil Fold	8R-38		3.57	3.06	2.72			0.77	10.12	12.27
Bed/Disk (Hipper)Rd	8R-38		1.64	0.76	1.24			0.30	3.94	4.54
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76
Clarity	pt	7.50						0.41	7.91	7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05	4.05
Surfactant	pt	0.66						0.04	0.70	0.70
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96			0.43	9.30	9.50
UAN (32%)	gal	34.86						1.68	36.54	36.54
Row Cond Rigid	26'		2.64	1.08	2.01			0.24	5.97	7.52
Plant - Folding	8R-38		3.29	2.94	3.18			0.39	9.80	11.97
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
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
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
Bidrin 8EC	oz	5.12						0.18	5.30	5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96			0.30	9.17	9.50
UAN (32%)	gal	34.86						1.20	36.06	36.06
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55			0.24	7.17	7.26
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
Mepiquat Chloride	oz	0.80						0.02	0.82	0.82
Acephate 90%	lb	5.06						0.14	5.20	5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
IncidentalPestTrt\$15	acre	15.00						0.41	15.41	15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Acephate 90%	lb	5.06						0.10	5.16	5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Thidiazuron 4lb	oz	2.51						0.03	2.54	2.54
Ethephon 6E	pt	9.52						0.13	9.65	9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88
Tribufos 6lb	pt	7.35						0.10	7.45	7.45
Ethephon 6E	pt	1.49						0.02	1.51	1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36			0.20	29.09	59.95
Boll Buggy	6R-38(355)		7.61	3.42	5.80			0.12	16.95	19.71
Module Builder	6R-38(355)		7.61	3.60	7.36			0.13	18.70	20.18
Gin & Haul	lb	110.00						0.76	110.76	110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02
TOTALS			620.85	53.69	40.43	45.67	0.00	27.76	788.40	190.38

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 6.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
W3FE variety, Non-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	868.60
DIRECT EXPENSES												
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	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	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	11.34	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	20.06	5.06	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	0.80	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	3.96	0.00	0.00	0.00	0.45	2.96	6.09	5.96	0.90	0.45	0.68	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	5.21	0.00	0.00	0.00	0.43	3.43	6.79	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	3.82	0.00	0.00	0.00	0.22	2.48	4.46	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	8.25	0.00	0.00	0.00	0.72	2.11	10.65	3.67	0.63	0.12	0.31	1.30
TOTAL DIRECT EXPENSES	108.44	0.00	0.00	0.00	13.82	45.84	268.40	110.16	23.69	6.28	22.83	188.94
NET INCOME	-108.44	0.00	0.00	0.00	-13.82	-45.84	-268.40	-110.16	-23.69	-6.28	-22.83	679.66
NET INCOME TO DATE	-108.44	-108.44	-108.44	-108.44	-122.26	-168.10	-436.50	-546.66	-570.35	-576.63	-599.46	80.20

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.

* Lease costs are based on hourly usage costs.

Table 6.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 W3FE variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
			dollars										
PERCENT	YIELD	UNIT											
50	500.00	lb	-314	-296	-278	-260	-242	-224	-206	-188	-170	-152	-134
			-504	-486	-468	-450	-432	-414	-396	-378	-360	-342	-324
60	600.00	lb	-271	-249	-228	-206	-185	-163	-141	-120	-98	-77	-55
			-461	-440	-418	-397	-375	-353	-332	-310	-289	-267	-245
70	700.00	lb	-228	-203	-178	-153	-127	-102	-77	-52	-26	-1	23
			-419	-393	-368	-343	-318	-292	-267	-242	-217	-192	-166
80	800.00	lb	-185	-156	-128	-99	-70	-41	-12	15	44	73	102
			-376	-347	-318	-289	-260	-232	-203	-174	-145	-116	-88
90	900.00	lb	-142	-110	-77	-45	-13	19	51	84	116	148	181
			-333	-300	-268	-235	-203	-171	-138	-106	-73	-41	-9
100	1000.00	lb	-99	-63	-27	8	44	80	116	152	188	224	260
			-290	-254	-218	-182	-146	-110	-74	-38	-2	33	69
110	1100.00	lb	-56	-17	22	61	101	141	180	220	259	299	339
			-247	-207	-168	-128	-88	-49	-9	29	69	109	148
120	1200.00	lb	-13	29	72	115	158	202	245	288	331	374	418
			-204	-161	-117	-74	-31	11	54	98	141	184	227
130	1300.00	lb	28	75	122	169	216	263	309	356	403	450	497
			-161	-114	-67	-20	25	72	119	166	213	259	306
140	1400.00	lb	71	122	172	223	273	323	374	424	475	525	575
			-118	-68	-17	32	83	133	183	234	284	335	385
150	1500.00	lb	114	168	222	276	330	384	438	492	546	600	654
			-75	-21	32	86	140	194	248	302	356	410	464

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, 8R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	900.0000	99.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	18.4000	44.34	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.7365	13.77	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.3222	2.91	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.73	0.8069	15.12	_____
DIESEL FUEL					
Tractors	gal	2.86	11.3731	32.53	_____
Self-Propelled	gal	2.86	4.4209	12.66	_____
REPAIR & MAINTENANCE					
Implements	acre	11.09	1.0000	11.09	_____
Tractors	acre	9.02	1.0000	9.02	_____
Self-Propelled	acre	14.39	1.0000	14.39	_____
INTEREST ON OP. CAP.	acre	24.84	1.0000	24.84	_____
TOTAL DIRECT EXPENSES				727.88	_____
FIXED EXPENSES					
Implements	acre	20.44	1.0000	20.44	_____
Tractors	acre	69.80	1.0000	69.80	_____
Self-Propelled	acre	74.91	1.0000	74.91	_____
TOTAL FIXED EXPENSES				165.15	_____
TOTAL SPECIFIED EXPENSES				893.03	_____

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 7.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, no-till
 W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_____
Cotton Seed	lb	0.11	1215.0000	133.65	_____

TOTAL INCOME				781.74	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	99.00	1.0000	99.00	_____
FERTILIZERS	acre	84.98	1.0000	84.98	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	109.84	1.0000	109.84	_____
INSECTICIDES	acre	48.20	1.0000	48.20	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.5444	4.90	_____
OPERATOR LABOR	hour	18.69	1.0087	18.86	_____
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	_____
DIESEL FUEL	gal	2.86	15.7941	45.19	_____
REPAIR & MAINTENANCE	acre	34.50	1.0000	34.50	_____
INTEREST ON OP. CAP.	acre	24.84	1.0000	24.84	_____

TOTAL DIRECT EXPENSES				727.88	_____
RETURNS ABOVE DIRECT EXPENSES				53.86	_____

TOTAL FIXED EXPENSES				165.15	_____

TOTAL SPECIFIED EXPENSES				893.03	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-111.29	_____

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.

Lime cost prorated for application every 3rd year.

Table 7.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, no-till
 W3FE variety, Non-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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant-Folding	8R-38	MFWD 300	0.077	1.00	May		0.07	0.07	0.15	0.06
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)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.00	0.73	1.55	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 7.D Estimated costs for field operations, per acre
 Cotton, 8R-38" solid, no-till
 W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
Surfactant	pt	0.66						0.04	0.70		0.70
Row Cond Rigid	26'		2.64	1.08	2.01			0.24	5.97	7.52	13.49
NT Plant-Folding	8R-38		3.43	3.31	3.31			0.41	10.46	13.05	23.51
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)	8R-38		3.43	2.48	2.96			0.30	9.17	9.50	18.67
UAN (32%)	gal	44.34						1.52	45.86		45.86
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55			0.24	7.17	7.26	14.43
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
IncidentalPestTrt\$15	acre	15.00						0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35						0.10	7.45		7.45
Ethephon 6E	pt	1.49						0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36			0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80			0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36			0.13	18.70	20.18	38.88
Gin & Haul	lb	99.00						0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
TOTALS			584.47	45.19	34.50	38.88	0.00	24.84	727.88	165.15	893.03

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 7.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, no-till
W3FE variety, Non-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	781.74
DIRECT EXPENSES												
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	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	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	11.34	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	20.06	5.06	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	0.80	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	0.45	0.00	6.22	5.96	0.90	0.45	0.68	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	0.00	0.00	0.00	0.00	0.43	0.00	6.93	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.83	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.67	3.99	0.63	0.12	0.31	1.22
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	269.06	119.96	23.69	6.28	22.83	177.86
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-269.06	-119.96	-23.69	-6.28	-22.83	603.88
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-377.26	-497.22	-520.91	-527.19	-550.02	53.86

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.

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, 8R-38" solid, no-till
 W3FE variety, Non-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	450.00	lb	-301 -466	-285 -450	-268 -434	-252 -417	-236 -401	-220 -385	-204 -369	-187 -353	-171 -336	-155 -320	-139 -304
60	540.00	lb	-262 -427	-243 -408	-223 -388	-204 -369	-184 -350	-165 -330	-146 -311	-126 -291	-107 -272	-87 -252	-68 -233
70	630.00	lb	-224 -389	-201 -366	-178 -343	-156 -321	-133 -298	-110 -275	-87 -253	-65 -230	-42 -207	-19 -185	2 -162
80	720.00	lb	-185 -350	-159 -324	-133 -298	-107 -272	-81 -246	-55 -220	-29 -195	-3 -169	21 -143	47 -117	73 -91
90	810.00	lb	-146 -311	-117 -282	-88 -253	-59 -224	-30 -195	-0 -166	28 -136	57 -107	86 -78	115 -49	144 -20
100	900.00	lb	-108 -273	-75 -240	-43 -208	-10 -176	21 -143	53 -111	86 -78	118 -46	151 -14	183 18	215 50
110	990.00	lb	-69 -234	-33 -199	1 -163	37 -127	73 -92	108 -56	144 -20	179 14	215 50	251 86	286 121
120	1080.00	lb	-30 -196	8 -157	46 -118	85 -79	124 -40	163 -1	202 37	241 76	280 115	319 153	357 192
130	1170.00	lb	7 -157	49 -115	92 -73	134 -31	176 11	218 53	260 95	302 137	344 179	386 221	429 263
140	1260.00	lb	46 -118	91 -73	137 -28	182 17	227 62	273 108	318 153	363 198	409 244	454 289	500 334
150	1350.00	lb	85 -80	133 -31	182 17	230 65	279 114	328 162	376 211	425 260	473 308	522 357	571 405

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, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	1000.0000	110.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.4268	7.98	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
hour	hour	18.74	0.5592	10.48	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_____
Self-Propelled	gal	2.86	5.7068	16.33	_____
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_____
Tractors	acre	5.23	1.0000	5.23	_____
Self-Propelled	acre	31.06	1.0000	31.06	_____
INTEREST ON OP. CAP.	acre	26.89	1.0000	26.89	_____
TOTAL DIRECT EXPENSES				756.97	_____
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_____
Tractors	acre	40.44	1.0000	40.44	_____
Self-Propelled	acre	154.70	1.0000	154.70	_____
TOTAL FIXED EXPENSES				214.98	_____
TOTAL SPECIFIED EXPENSES				971.95	_____

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_____
Cotton Seed	lb	0.11	1350.0000	148.50	_____

TOTAL INCOME				868.60	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	110.00	1.0000	110.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	109.84	1.0000	109.84	_____
INSECTICIDES	acre	48.20	1.0000	48.20	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3458	3.10	_____
OPERATOR LABOR	hour	18.69	0.6990	13.07	_____
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	_____
DIESEL FUEL	gal	2.86	12.2980	35.17	_____
REPAIR & MAINTENANCE	acre	47.41	1.0000	47.41	_____
INTEREST ON OP. CAP.	acre	26.89	1.0000	26.89	_____

TOTAL DIRECT EXPENSES				756.97	_____
RETURNS ABOVE DIRECT EXPENSES				111.63	_____
TOTAL FIXED EXPENSES					
				214.98	_____

TOTAL SPECIFIED EXPENSES				971.95	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-103.35	_____

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 8.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 W3FE variety, Non-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
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
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					14.4666				
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					14.4666				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
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	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.69	0.42	1.04	0.55

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83			0.24	3.16	4.66
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76
Clarity	pt	7.50						0.41	7.91	7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05	4.05
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
UAN (32%)	gal	34.86						1.68	36.54	36.54
Row Cond Folding	38'		1.80	0.91	1.37			0.17	4.25	6.04
Plant - Folding	12R-38		2.19	2.47	2.12			0.28	7.06	9.19
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
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
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
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
UAN (32%)	gal	34.86						1.20	36.06	36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70			0.17	5.01	5.14
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
Mepiquat Chloride	oz	0.80						0.02	0.82	0.82
Acephate 90%	lb	5.06						0.14	5.20	5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
IncidentalPestTrt\$15	acre	15.00						0.41	15.41	15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Acephate 90%	lb	5.06						0.10	5.16	5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Thidiazuron 4lb	oz	2.51						0.03	2.54	2.54
Ethephon 6E	pt	9.52						0.13	9.65	9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88
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
Gin & Haul	lb	110.00						0.76	110.76	110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02
TOTALS		620.85	35.17	47.41	26.65	0.00	26.89	756.97	214.98	971.95

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 8.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Non-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	868.60
DIRECT EXPENSES												
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	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	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	11.34	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	20.06	5.06	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	0.80	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	0.45	1.97	4.39	4.12	0.90	0.45	0.68	11.06
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	0.43	2.28	4.85	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.47	3.50	0.63	0.12	0.31	1.19
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	263.94	104.98	23.69	6.28	22.83	173.77
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-263.94	-104.98	-23.69	-6.28	-22.83	694.83
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-425.42	-530.40	-554.09	-560.37	-583.20	111.63

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.

* Lease costs are based on hourly usage costs.

Table 8.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage
 W3FE variety, Non-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	500.00	lb	-283 -498	-265 -480	-247 -462	-229 -444	-211 -426	-193 -408	-175 -390	-157 -372	-139 -354	-121 -336	-103 -318
60	600.00	lb	-240 -455	-218 -433	-196 -411	-175 -390	-153 -368	-132 -347	-110 -325	-88 -303	-67 -282	-45 -260	-24 -239
70	700.00	lb	-197 -412	-171 -386	-146 -361	-121 -336	-96 -311	-71 -286	-45 -260	-20 -235	4 -210	29 -185	54 -160
80	800.00	lb	-154 -369	-125 -340	-96 -311	-67 -282	-39 -254	-10 -225	18 -196	47 -167	76 -138	104 -110	133 -81
90	900.00	lb	-111 -326	-78 -293	-46 -261	-14 -229	18 -196	50 -164	83 -131	115 -99	147 -67	180 -34	212 -2
100	1000.00	lb	-68 -283	-32 -247	3 -211	39 -175	75 -139	111 -103	147 -67	183 -31	219 4	255 40	291 76
110	1100.00	lb	-25 -240	14 -200	53 -161	93 -121	132 -82	172 -42	212 -2	251 36	291 76	330 116	370 155
120	1200.00	lb	17 -197	60 -154	103 -111	147 -67	190 -24	233 18	276 61	319 104	363 148	406 191	449 234
130	1300.00	lb	60 -154	107 -107	154 -60	200 -14	247 32	294 79	341 126	388 173	434 219	481 266	528 313
140	1400.00	lb	103 -111	153 -61	204 -10	254 39	304 89	355 140	405 190	456 241	506 291	556 342	607 392
150	1500.00	lb	146 -68	200 -14	254 39	308 93	362 147	416 201	470 255	524 309	578 363	632 417	686 471

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, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	900.0000	99.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	18.4000	44.34	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.2987	5.59	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.76	0.4567	8.57	_____
DIESEL FUEL					
Tractors	gal	2.86	4.6137	13.19	_____
Self-Propelled	gal	2.86	5.7068	16.33	_____
REPAIR & MAINTENANCE					
Implements	acre	7.73	1.0000	7.73	_____
Tractors	acre	3.66	1.0000	3.66	_____
Self-Propelled	acre	31.06	1.0000	31.06	_____
INTEREST ON OP. CAP.	acre	24.38	1.0000	24.38	_____
TOTAL DIRECT EXPENSES				702.96	_____
FIXED EXPENSES					
Implements	acre	12.48	1.0000	12.48	_____
Tractors	acre	28.31	1.0000	28.31	_____
Self-Propelled	acre	154.70	1.0000	154.70	_____
TOTAL FIXED EXPENSES				195.49	_____
TOTAL SPECIFIED EXPENSES				898.45	_____

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_____
Cotton Seed	lb	0.11	1215.0000	133.65	_____

TOTAL INCOME				781.74	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	99.00	1.0000	99.00	_____
FERTILIZERS	acre	84.98	1.0000	84.98	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	109.84	1.0000	109.84	_____
INSECTICIDES	acre	48.20	1.0000	48.20	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3220	2.89	_____
OPERATOR LABOR	hour	18.69	0.5709	10.68	_____
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	_____
DIESEL FUEL	gal	2.86	10.3205	29.52	_____
REPAIR & MAINTENANCE	acre	42.45	1.0000	42.45	_____
INTEREST ON OP. CAP.	acre	24.38	1.0000	24.38	_____

TOTAL DIRECT EXPENSES				702.96	_____
RETURNS ABOVE DIRECT EXPENSES				78.78	_____

TOTAL FIXED EXPENSES				195.49	_____

TOTAL SPECIFIED EXPENSES				898.45	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-116.71	_____

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, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	POWER 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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
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					18.4000				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
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	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.57	0.29	0.89	0.45

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
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	44.34						1.52	45.86		45.86
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
IncidentalPestTrt\$15	acre	15.00						0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
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	99.00						0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
TOTALS			584.47	29.52	42.45	22.14	0.00	24.38	702.96	195.49	898.45

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 9.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, no-till
 W3FE variety, Non-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	781.74
DIRECT EXPENSES												
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	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	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	11.34	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	20.06	5.06	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	0.80	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	0.45	0.00	4.48	4.12	0.90	0.45	0.68	11.06
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	0.43	0.00	4.94	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.17	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.49	3.82	0.63	0.12	0.31	1.11
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	264.49	114.78	23.69	6.28	22.83	162.69
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-264.49	-114.78	-23.69	-6.28	-22.83	619.05
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-372.69	-487.47	-511.16	-517.44	-540.27	78.78

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, Non-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	450.00	lb	-276	-260	-244	-227	-211	-195	-179	-163	-146	-130	-114
			-471	-455	-439	-423	-407	-390	-374	-358	-342	-326	-309
60	540.00	lb	-237	-218	-198	-179	-160	-140	-121	-101	-82	-62	-43
			-433	-413	-394	-374	-355	-336	-316	-297	-277	-258	-238
70	630.00	lb	-199	-176	-153	-131	-108	-85	-63	-40	-17	4	27
			-394	-371	-349	-326	-303	-281	-258	-235	-213	-190	-167
80	720.00	lb	-160	-134	-108	-82	-56	-30	-4	20	46	72	98
			-356	-330	-304	-278	-252	-226	-200	-174	-148	-122	-96
90	810.00	lb	-121	-92	-63	-34	-5	23	53	82	111	140	169
			-317	-288	-259	-229	-200	-171	-142	-113	-84	-54	-25
100	900.00	lb	-83	-50	-18	13	46	78	111	143	175	208	240
			-278	-246	-213	-181	-149	-116	-84	-51	-19	12	45
110	990.00	lb	-44	-8	26	62	97	133	169	204	240	276	311
			-240	-204	-168	-133	-97	-61	-26	9	45	80	116
120	1080.00	lb	-5	32	71	110	149	188	227	266	305	344	382
			-201	-162	-123	-84	-45	-7	31	70	109	148	187
130	1170.00	lb	32	74	116	159	201	243	285	327	369	411	453
			-162	-120	-78	-36	5	47	89	132	174	216	258
140	1260.00	lb	71	116	162	207	252	298	343	388	434	479	524
			-124	-78	-33	11	57	102	148	193	238	284	329
150	1350.00	lb	109	158	207	255	304	352	401	450	498	547	596
			-85	-36	11	60	108	157	206	254	303	351	400

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" solid, conservation tillage
 W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
IncidentalPestTrt\$15	acre	15.00	1.5000	22.50	_____
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.4268	7.98	_____
Self-Propelled	hour	18.69	0.2780	5.20	_____
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	0.2251	2.02	_____
UNALLOCATED LABOR					
hour		18.72	0.5639	10.56	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_____
Self-Propelled	gal	2.86	5.7817	16.54	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_____
Tractors	acre	5.23	1.0000	5.23	_____
Self-Propelled	acre	31.17	1.0000	31.17	_____
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_____
INTEREST ON OP. CAP.	acre	28.94	1.0000	28.94	_____
TOTAL DIRECT EXPENSES				844.88	_____
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_____
Tractors	acre	40.44	1.0000	40.44	_____
Self-Propelled	acre	155.58	1.0000	155.58	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____
TOTAL FIXED EXPENSES				315.36	_____
TOTAL SPECIFIED EXPENSES				1160.24	_____

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.
Lime cost prorated for application every 3rd year.

Table 10.B Summary of estimated costs and returns per acre
 Cotton, 12R-38" solid, conservation tillage
 W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, 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					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	109.84	1.0000	109.84	_____
INSECTICIDES	acre	55.70	1.0000	55.70	_____
SEED/PLANTS	acre	143.10	1.0000	143.10	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3487	3.13	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.7049	13.18	_____
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_____
DIESEL FUEL	gal	2.86	23.5740	67.41	_____
REPAIR & MAINTENANCE	acre	69.47	1.0000	69.47	_____
INTEREST ON OP. CAP.	acre	28.94	1.0000	28.94	_____

TOTAL DIRECT EXPENSES				844.88	_____
RETURNS ABOVE DIRECT EXPENSES				197.44	_____
TOTAL FIXED EXPENSES					
				315.36	_____

TOTAL SPECIFIED EXPENSES				1160.24	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-117.92	_____

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" solid, conservation tillage
 W3FE pivot irrigated, 7.5 ac.-in., Non-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	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
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
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					14.4666				
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					14.4666				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.50	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.02	0.01
IncidentalPestTrt\$15	acre					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
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	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.70	0.42	1.25	0.56

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.

Table 10.D Estimated costs for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83			0.24	3.16	4.66
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76
Clarity	pt	7.50						0.41	7.91	7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05	4.05
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
UAN (32%)	gal	34.86						1.68	36.54	36.54
Row Cond Folding	38'		1.80	0.91	1.37			0.17	4.25	6.04
Plant - Folding	12R-38		2.19	2.47	2.12			0.28	7.06	9.19
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
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
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
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
UAN (32%)	gal	34.86						1.20	36.06	36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70			0.17	5.01	5.14
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
Mepiquat Chloride	oz	0.80						0.02	0.82	0.82
Acephate 90%	lb	5.06						0.14	5.20	5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.64	0.33	0.67			0.05	1.69	2.64
IncidentalPestTrt\$15	acre	22.50						0.62	23.12	23.12
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Acephate 90%	lb	5.06						0.10	5.16	5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Thidiazuron 4lb	oz	2.51						0.03	2.54	2.54
Ethephon 6E	pt	9.52						0.13	9.65	9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88
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
Gin & Haul	lb	132.00						0.91	132.91	132.91
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84			1.67	57.49	99.50
TOTALS		650.35	67.41	69.47	28.71	0.00	28.94	844.88	315.36	1160.24

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.

Lime cost prorated for application every 3rd year.

Table 10.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, conservation tillage
 W3FE pivot irrigated, 7.5 ac.-in., Non-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	1042.32
DIRECT EXPENSES												
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	34.86	0.00	34.86	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	11.34	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	27.56	5.06	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	0.80	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	0.45	1.97	5.73	4.27	1.32	0.60	0.68	11.06
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	0.43	2.28	4.85	14.29	13.88	10.04	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	21.56	2.54	1.71	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.52	4.47	1.28	0.35	0.31	1.34
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	265.33	134.18	47.38	17.76	22.83	195.92
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-265.33	-134.18	-47.38	-17.76	-22.83	846.40
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-426.81	-560.99	-608.37	-626.13	-648.96	197.44

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.

* Lease costs are based on hourly usage costs.

Table 10.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage
 W3FE pivot irrigated, 7.5 ac.-in., Non-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	600.00	lb	-276 -591	-254 -569	-232 -548	-211 -526	-189 -505	-168 -483	-146 -461	-124 -440	-103 -418	-81 -397	-60 -375
60	720.00	lb	-224 -540	-198 -514	-172 -488	-146 -462	-120 -436	-95 -410	-69 -384	-43 -358	-17 -332	8 -306	34 -280
70	840.00	lb	-173 -488	-142 -458	-112 -428	-82 -397	-52 -367	-21 -337	8 -307	38 -276	68 -246	99 -216	129 -186
80	960.00	lb	-121 -436	-87 -402	-52 -367	-17 -333	16 -298	51 -264	85 -229	120 -195	154 -160	189 -125	224 -91
90	1080.00	lb	-70 -385	-31 -346	7 -307	46 -268	85 -229	124 -191	163 -152	202 -113	240 -74	279 -35	318 3
100	1200.00	lb	-18 -333	24 -290	67 -247	111 -204	154 -161	197 -117	240 -74	283 -31	327 11	370 54	413 98
110	1320.00	lb	32 -282	80 -234	127 -187	175 -139	223 -92	270 -44	318 2	365 50	413 97	460 145	508 192
120	1440.00	lb	84 -230	136 -179	188 -127	239 -75	291 -23	343 28	395 80	447 132	499 183	551 235	602 287
130	1560.00	lb	135 -179	192 -123	248 -67	304 -10	360 45	416 101	472 157	529 213	585 269	641 326	697 382
140	1680.00	lb	187 -127	247 -67	308 -6	368 53	429 114	489 174	550 235	610 295	671 356	731 416	792 477
150	1800.00	lb	239 -76	303 -11	368 53	433 118	498 182	563 247	627 312	692 377	757 442	822 506	887 571

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, 8R-38" solid, conservation tillage
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	1000.0000	110.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.9288	17.36	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.3579	3.24	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_____
DIESEL FUEL					
Tractors	gal	2.86	14.3433	41.03	_____
Self-Propelled	gal	2.86	4.4209	12.66	_____
REPAIR & MAINTENANCE					
Implements	acre	14.67	1.0000	14.67	_____
Tractors	acre	11.37	1.0000	11.37	_____
Self-Propelled	acre	14.39	1.0000	14.39	_____
INTEREST ON OP. CAP.	acre	27.98	1.0000	27.98	_____
TOTAL DIRECT EXPENSES				792.52	_____
FIXED EXPENSES					
Implements	acre	27.45	1.0000	27.45	_____
Tractors	acre	88.02	1.0000	88.02	_____
Self-Propelled	acre	74.91	1.0000	74.91	_____
TOTAL FIXED EXPENSES				190.38	_____
TOTAL SPECIFIED EXPENSES				982.90	_____

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 11.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, conservation tillage
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_____
Cotton Seed	lb	0.11	1350.0000	148.50	_____

TOTAL INCOME				868.60	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	110.00	1.0000	110.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	44.82	1.0000	44.82	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.5801	5.23	_____
OPERATOR LABOR	hour	18.69	1.2010	22.45	_____
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_____
DIESEL FUEL	gal	2.86	18.7642	53.69	_____
REPAIR & MAINTENANCE	acre	40.43	1.0000	40.43	_____
INTEREST ON OP. CAP.	acre	27.98	1.0000	27.98	_____

TOTAL DIRECT EXPENSES				792.52	_____
RETURNS ABOVE DIRECT EXPENSES				76.08	_____

TOTAL FIXED EXPENSES				190.38	_____

TOTAL SPECIFIED EXPENSES				982.90	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-114.30	_____

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.

Lime cost prorated for application every 3rd year.

Table 11.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	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	MFWD 300	0.080	1.00	Nov		0.08	0.08	0.06	
Bed/Disk (Hipper)Rd	8R-38	MFWD 300	0.074	0.50	Nov		0.03	0.03	0.02	
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar		0.01	0.01	0.00	
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Apr		0.07	0.07	0.06	
UAN (32%)	gal					14.4666				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.04	
Plant - Folding	8R-38	MFWD 300	0.074	1.00	May		0.07	0.07	0.05	
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)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.06	
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.05	
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul		0.01	0.01	0.00	
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011				0.01	0.01	0.00	
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug		0.01	0.01	0.00	
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep		0.01	0.01	0.00	
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep		0.00	0.00	0.00	
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38 (355)		0.172	1.00	Oct		0.17	0.34	0.13	
Boll Buggy	6R-38 (355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.13	
Module Builder	6R-38 (355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.13	
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.08	
TOTALS							1.20	0.92	1.78	0.96

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, 8R-38" solid, conservation tillage
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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		3.57	3.06	2.72			0.77	10.12	12.27
Bed/Disk (Hipper)Rd	8R-38		1.64	0.76	1.24			0.30	3.94	4.54
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76
Clarity	pt	7.50						0.41	7.91	7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05	4.05
Surfactant	pt	0.66						0.04	0.70	0.70
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96			0.43	9.30	9.50
UAN (32%)	gal	34.86						1.68	36.54	36.54
Row Cond Rigid	26'		2.64	1.08	2.01			0.24	5.97	7.52
Plant - Folding	8R-38		3.29	2.94	3.18			0.39	9.80	11.97
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
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
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
Bidrin 8EC	oz	5.12						0.18	5.30	5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96			0.30	9.17	9.50
UAN (32%)	gal	34.86						1.20	36.06	36.06
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55			0.24	7.17	7.26
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
Mepiquat Chloride	oz	0.80						0.02	0.82	0.82
Acephate 90%	lb	5.06						0.14	5.20	5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76
IncidentalPestTrt\$15	acre	15.00						0.41	15.41	15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Acephate 90%	lb	5.06						0.10	5.16	5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76
Thidiazuron 4lb	oz	2.51						0.03	2.54	2.54
Ethephon 6E	pt	9.52						0.13	9.65	9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88
Tribufos 6lb	pt	7.35						0.10	7.45	7.45
Ethephon 6E	pt	1.49						0.02	1.51	1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36			0.20	29.09	59.95
Boll Buggy	6R-38(355)		7.61	3.42	5.80			0.12	16.95	19.71
Module Builder	6R-38(355)		7.61	3.60	7.36			0.13	18.70	20.18
Gin & Haul	lb	110.00						0.76	110.76	110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02
TOTALS		624.75	53.69	40.43	45.67	0.00	27.98	792.52	190.38	982.90

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 11.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
ThryvOn variety, Non-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	868.60
DIRECT EXPENSES												
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	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	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	11.34	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	20.06	5.06	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	0.80	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	3.96	0.00	0.00	0.00	0.45	2.96	6.09	5.96	0.90	0.45	0.68	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	5.21	0.00	0.00	0.00	0.43	3.43	6.79	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	3.82	0.00	0.00	0.00	0.22	2.48	4.46	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	8.25	0.00	0.00	0.00	0.72	2.11	11.10	3.44	0.63	0.12	0.31	1.30
TOTAL DIRECT EXPENSES	108.44	0.00	0.00	0.00	13.82	45.84	279.46	103.22	23.69	6.28	22.83	188.94
NET INCOME	-108.44	0.00	0.00	0.00	-13.82	-45.84	-279.46	-103.22	-23.69	-6.28	-22.83	679.66
NET INCOME TO DATE	-108.44	-108.44	-108.44	-108.44	-122.26	-168.10	-447.56	-550.78	-574.47	-580.75	-603.58	76.08

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, 8R-38" solid, conservation tillage
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
			dollars										
PERCENT	YIELD	UNIT											
50	500.00	lb	-318	-300	-282	-264	-246	-228	-210	-192	-174	-156	-138
			-508	-490	-472	-454	-436	-418	-400	-382	-364	-346	-328
60	600.00	lb	-275	-254	-232	-210	-189	-167	-146	-124	-102	-81	-59
			-466	-444	-422	-401	-379	-358	-336	-314	-293	-271	-250
70	700.00	lb	-232	-207	-182	-157	-131	-106	-81	-56	-31	-5	19
			-423	-397	-372	-347	-322	-297	-271	-246	-221	-196	-171
80	800.00	lb	-189	-161	-132	-103	-74	-45	-16	11	40	69	98
			-380	-351	-322	-293	-264	-236	-207	-178	-149	-120	-92
90	900.00	lb	-146	-114	-82	-49	-17	15	47	79	112	144	177
			-337	-304	-272	-240	-207	-175	-142	-110	-78	-45	-13
100	1000.00	lb	-103	-67	-31	4	40	76	112	148	184	220	256
			-294	-258	-222	-186	-150	-114	-78	-42	-6	29	65
110	1100.00	lb	-61	-21	18	57	97	137	176	216	255	295	335
			-251	-211	-172	-132	-92	-53	-13	25	65	105	144
120	1200.00	lb	-18	25	68	111	154	197	241	284	327	370	413
			-208	-165	-122	-78	-35	7	50	93	137	180	223
130	1300.00	lb	24	71	118	165	212	258	305	352	399	446	492
			-165	-118	-71	-25	21	68	115	162	208	255	302
140	1400.00	lb	67	118	168	219	269	319	370	420	471	521	571
			-122	-72	-21	28	79	129	179	230	280	331	381
150	1500.00	lb	110	164	218	272	326	380	434	488	542	596	650
			-79	-25	28	82	136	190	244	298	352	406	460

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, 8R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	900.0000	99.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	18.4000	44.34	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.7365	13.77	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.3222	2.91	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.73	0.8069	15.12	_____
DIESEL FUEL					
Tractors	gal	2.86	11.3731	32.53	_____
Self-Propelled	gal	2.86	4.4209	12.66	_____
REPAIR & MAINTENANCE					
Implements	acre	11.09	1.0000	11.09	_____
Tractors	acre	9.02	1.0000	9.02	_____
Self-Propelled	acre	14.39	1.0000	14.39	_____
INTEREST ON OP. CAP.	acre	25.06	1.0000	25.06	_____
TOTAL DIRECT EXPENSES				732.00	_____
FIXED EXPENSES					
Implements	acre	20.44	1.0000	20.44	_____
Tractors	acre	69.80	1.0000	69.80	_____
Self-Propelled	acre	74.91	1.0000	74.91	_____
TOTAL FIXED EXPENSES				165.15	_____
TOTAL SPECIFIED EXPENSES				897.15	_____

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, 8R-38" solid, no-till
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_____
Cotton Seed	lb	0.11	1215.0000	133.65	_____

TOTAL INCOME				781.74	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	99.00	1.0000	99.00	_____
FERTILIZERS	acre	84.98	1.0000	84.98	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	44.82	1.0000	44.82	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.5444	4.90	_____
OPERATOR LABOR	hour	18.69	1.0087	18.86	_____
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	_____
DIESEL FUEL	gal	2.86	15.7941	45.19	_____
REPAIR & MAINTENANCE	acre	34.50	1.0000	34.50	_____
INTEREST ON OP. CAP.	acre	25.06	1.0000	25.06	_____

TOTAL DIRECT EXPENSES				732.00	_____
RETURNS ABOVE DIRECT EXPENSES				49.74	_____

TOTAL FIXED EXPENSES				165.15	_____

TOTAL SPECIFIED EXPENSES				897.15	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-115.41	_____

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 12.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, no-till
 ThryvOn variety, Non-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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant-Folding	8R-38	MFWD 300	0.077	1.00	May		0.07	0.07	0.15	0.06
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)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38 (355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38 (355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38 (355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.00	0.73	1.55	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 12.D Estimated costs for field operations, per acre
 Cotton, 8R-38" solid, no-till
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
Surfactant	pt	0.66						0.04	0.70		0.70
Row Cond Rigid	26'		2.64	1.08	2.01			0.24	5.97	7.52	13.49
NT Plant-Folding	8R-38		3.43	3.31	3.31			0.41	10.46	13.05	23.51
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)	8R-38		3.43	2.48	2.96			0.30	9.17	9.50	18.67
UAN (32%)	gal	44.34						1.52	45.86		45.86
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55			0.24	7.17	7.26	14.43
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
IncidentalPestTrt\$15	acre	15.00						0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35						0.10	7.45		7.45
Ethephon 6E	pt	1.49						0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36			0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80			0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36			0.13	18.70	20.18	38.88
Gin & Haul	lb	99.00						0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
TOTALS		588.37	45.19	34.50	38.88	0.00	25.06	732.00	165.15	897.15	

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, 8R-38" solid, no-till
 ThryvOn variety, Non-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	781.74
DIRECT EXPENSES												
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	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	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	11.34	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	20.06	5.06	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	0.80	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	0.45	0.00	6.22	5.96	0.90	0.45	0.68	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	0.00	0.00	0.00	0.00	0.43	0.00	6.93	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.83	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	11.12	3.76	0.63	0.12	0.31	1.22
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	280.12	113.02	23.69	6.28	22.83	177.86
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-280.12	-113.02	-23.69	-6.28	-22.83	603.88
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-388.32	-501.34	-525.03	-531.31	-554.14	49.74

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.

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, 8R-38" solid, no-till
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
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	450.00	lb	-305 -470	-289 -454	-273 -438	-256 -422	-240 -405	-224 -389	-208 -373	-192 -357	-175 -341	-159 -324	-143 -308
60	540.00	lb	-266 -431	-247 -412	-227 -393	-208 -373	-189 -354	-169 -334	-150 -315	-130 -295	-111 -276	-91 -257	-72 -237
70	630.00	lb	-228 -393	-205 -370	-182 -347	-160 -325	-137 -302	-114 -279	-92 -257	-69 -234	-46 -211	-24 -189	-1 -166
80	720.00	lb	-189 -354	-163 -328	-137 -302	-111 -276	-85 -251	-59 -225	-34 -199	-8 -173	17 -147	43 -121	69 -95
90	810.00	lb	-150 -316	-121 -286	-92 -257	-63 -228	-34 -199	-5 -170	24 -141	53 -111	82 -82	111 -53	140 -24
100	900.00	lb	-112 -277	-79 -245	-47 -212	-15 -180	17 -147	49 -115	82 -83	114 -50	146 -18	179 14	211 46
110	990.00	lb	-73 -238	-37 -203	-2 -167	33 -131	68 -96	104 -60	140 -24	175 10	211 46	247 82	282 117
120	1080.00	lb	-35 -200	3 -161	42 -122	81 -83	120 -44	159 -5	198 33	237 72	276 110	314 149	353 188
130	1170.00	lb	3 -161	45 -119	87 -77	130 -35	172 6	214 49	256 91	298 133	340 175	382 217	424 259
140	1260.00	lb	42 -122	87 -77	133 -32	178 13	223 58	269 103	314 149	359 194	405 240	450 285	495 330
150	1350.00	lb	80 -84	129 -35	178 12	226 61	275 110	323 158	372 207	421 256	469 304	518 353	566 401

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, conservation tillage
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	1000.0000	110.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.4268	7.98	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.74	0.5592	10.48	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_____
Self-Propelled	gal	2.86	5.7068	16.33	_____
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_____
Tractors	acre	5.23	1.0000	5.23	_____
Self-Propelled	acre	31.06	1.0000	31.06	_____
INTEREST ON OP. CAP.	acre	27.11	1.0000	27.11	_____
TOTAL DIRECT EXPENSES				761.09	_____
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_____
Tractors	acre	40.44	1.0000	40.44	_____
Self-Propelled	acre	154.70	1.0000	154.70	_____
TOTAL FIXED EXPENSES				214.98	_____
TOTAL SPECIFIED EXPENSES				976.07	_____

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, conservation tillage
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_____
Cotton Seed	lb	0.11	1350.0000	148.50	_____

TOTAL INCOME				868.60	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	110.00	1.0000	110.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	44.82	1.0000	44.82	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3458	3.10	_____
OPERATOR LABOR	hour	18.69	0.6990	13.07	_____
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	_____
DIESEL FUEL	gal	2.86	12.2980	35.17	_____
REPAIR & MAINTENANCE	acre	47.41	1.0000	47.41	_____
INTEREST ON OP. CAP.	acre	27.11	1.0000	27.11	_____

TOTAL DIRECT EXPENSES				761.09	_____
RETURNS ABOVE DIRECT EXPENSES				107.51	_____
TOTAL FIXED EXPENSES					
				214.98	_____

TOTAL SPECIFIED EXPENSES				976.07	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-107.47	_____

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.

Table 13.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 ThryvOn variety, Non-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
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
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					14.4666				
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					14.4666				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt\$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
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	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.69	0.42	1.04	0.55

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
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	34.86						1.68	36.54		36.54
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	34.86						1.20	36.06		36.06
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
IncidentalPestTrt\$15	acre	15.00						0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
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	110.00						0.76	110.76		110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
TOTALS		624.75	35.17	47.41	26.65	0.00	27.11	761.09	214.98	976.07	

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, conservation tillage
 ThryvOn variety, Non-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	868.60
DIRECT EXPENSES												
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	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	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	11.34	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	20.06	5.06	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	0.80	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	0.45	1.97	4.39	4.12	0.90	0.45	0.68	11.06
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	0.43	2.28	4.85	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.92	3.27	0.63	0.12	0.31	1.19
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	275.00	98.04	23.69	6.28	22.83	173.77
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-275.00	-98.04	-23.69	-6.28	-22.83	694.83
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-436.48	-534.52	-558.21	-564.49	-587.32	107.51

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.

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, conservation tillage
 ThryvOn variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
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	500.00	lb	-287 -502	-269 -484	-251 -466	-233 -448	-215 -430	-197 -412	-179 -394	-161 -376	-143 -358	-125 -340	-107 -322
60	600.00	lb	-244 -459	-222 -437	-201 -416	-179 -394	-157 -372	-136 -351	-114 -329	-93 -308	-71 -286	-49 -264	-28 -243
70	700.00	lb	-201 -416	-176 -391	-150 -365	-125 -340	-100 -315	-75 -290	-50 -265	-24 -239	0 -214	25 -189	50 -164
80	800.00	lb	-158 -373	-129 -344	-100 -315	-71 -286	-43 -258	-14 -229	14 -200	43 -171	72 -142	100 -114	129 -85
90	900.00	lb	-115 -330	-83 -298	-50 -265	-18 -233	14 -200	46 -168	78 -136	111 -103	143 -71	176 -38	208 -6
100	1000.00	lb	-72 -287	-36 -251	-0 -215	35 -179	71 -143	107 -107	143 -71	179 -35	215 0	251 36	287 72
110	1100.00	lb	-29 -244	10 -204	49 -165	89 -125	128 -86	168 -46	208 -6	247 32	287 72	326 111	366 151
120	1200.00	lb	13 -201	56 -158	99 -115	142 -72	186 -28	229 14	272 57	315 100	358 144	402 187	445 230
130	1300.00	lb	56 -158	103 -111	149 -65	196 -18	243 28	290 75	337 122	383 168	430 215	477 262	524 309
140	1400.00	lb	99 -115	149 -65	200 -14	250 35	300 85	351 136	401 186	452 237	502 287	552 337	603 388
150	1500.00	lb	142 -72	196 -18	250 35	304 89	358 143	412 197	466 251	520 305	574 359	628 413	682 467

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, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	900.0000	99.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_____
UAN (32%)	gal	2.41	18.4000	44.34	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
IncidentalPestTrt\$15	acre	15.00	1.0000	15.00	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.2987	5.59	_____
Self-Propelled	hour	18.69	0.2721	5.09	_____
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_____
Self-Propelled	hour	9.06	0.2222	1.99	_____
UNALLOCATED LABOR					
	hour	18.76	0.4567	8.57	_____
DIESEL FUEL					
Tractors	gal	2.86	4.6137	13.19	_____
Self-Propelled	gal	2.86	5.7068	16.33	_____
REPAIR & MAINTENANCE					
Implements	acre	7.73	1.0000	7.73	_____
Tractors	acre	3.66	1.0000	3.66	_____
Self-Propelled	acre	31.06	1.0000	31.06	_____
INTEREST ON OP. CAP.	acre	24.60	1.0000	24.60	_____
TOTAL DIRECT EXPENSES				707.08	_____
FIXED EXPENSES					
Implements	acre	12.48	1.0000	12.48	_____
Tractors	acre	28.31	1.0000	28.31	_____
Self-Propelled	acre	154.70	1.0000	154.70	_____
TOTAL FIXED EXPENSES				195.49	_____
TOTAL SPECIFIED EXPENSES				902.57	_____

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_____
Cotton Seed	lb	0.11	1215.0000	133.65	_____

TOTAL INCOME				781.74	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	99.00	1.0000	99.00	_____
FERTILIZERS	acre	84.98	1.0000	84.98	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	44.82	1.0000	44.82	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3220	2.89	_____
OPERATOR LABOR	hour	18.69	0.5709	10.68	_____
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	_____
DIESEL FUEL	gal	2.86	10.3205	29.52	_____
REPAIR & MAINTENANCE	acre	42.45	1.0000	42.45	_____
INTEREST ON OP. CAP.	acre	24.60	1.0000	24.60	_____

TOTAL DIRECT EXPENSES				707.08	_____
RETURNS ABOVE DIRECT EXPENSES				74.66	_____

TOTAL FIXED EXPENSES				195.49	_____

TOTAL SPECIFIED EXPENSES				902.57	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-120.83	_____

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.

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, Non-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					
Sprayer 600-825gal	90'	250hp	0.011	1.00	Mar			0.01	0.01	0.00	
Clarity	pt					0.5000					
Glyphosate 3lbs a.e	oz					32.0000					
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					18.4000					
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					
Sprayer 600-825gal	90'	250hp	0.011	1.00	Jul			0.01	0.01	0.00	
Mepiquat Chloride	oz					16.0000					
Acephate 90%	lb					0.7500					
Incidental Pest				1.00	Jul						
Sprayer 600-825gal	90'	250hp	0.011					0.01	0.01	0.00	
IncidentalPestTrt\$15	acre					1.0000					
Sprayer 600-825gal	90'	250hp	0.011	1.00	Aug			0.01	0.01	0.00	
Acephate 90%	lb					0.7500					
Sprayer 600-825gal	90'	250hp	0.011	1.00	Sep			0.01	0.01	0.00	
Thidiazuron 4lb	oz					2.3000					
Ethephon 6E	pt					2.0000					
Sprayer 600-825gal	90'	250hp	0.011	0.50	Sep			0.00	0.00	0.00	
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	900.0000					
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08	
TOTALS								0.57	0.29	0.89	0.45

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	1.76	2.92
Clarity	pt	7.50						0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05		4.05
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	44.34						1.52	45.86		45.86
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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82		0.82
Acephate 90%	lb	5.06						0.14	5.20		5.20
Incidental Pest											
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	1.76	2.89
IncidentalPestTrt\$15	acre	15.00						0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06						0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54		2.54
Ethephon 6E	pt	9.52						0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	0.88	1.44
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	99.00						0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	13.02	26.46
TOTALS		588.37	29.52	42.45	22.14	0.00	24.60	707.08	195.49	902.57	

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 14.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, no-till
 ThryvOn variety, Non-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	781.74
DIRECT EXPENSES												
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	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	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	11.34	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	20.06	5.06	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	0.80	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	0.45	0.00	4.48	4.12	0.90	0.45	0.68	11.06
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	0.43	0.00	4.94	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.17	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.94	3.59	0.63	0.12	0.31	1.11
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	275.55	107.84	23.69	6.28	22.83	162.69
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-275.55	-107.84	-23.69	-6.28	-22.83	619.05
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-383.75	-491.59	-515.28	-521.56	-544.39	74.66

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, Non-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	450.00	lb	-280 -476	-264 -459	-248 -443	-231 -427	-215 -411	-199 -395	-183 -378	-167 -362	-150 -346	-134 -330	-118 -314
60	540.00	lb	-241 -437	-222 -417	-203 -398	-183 -379	-164 -359	-144 -340	-125 -320	-105 -301	-86 -281	-66 -262	-47 -242
70	630.00	lb	-203 -398	-180 -376	-157 -353	-135 -330	-112 -308	-89 -285	-67 -262	-44 -239	-21 -217	0 -194	23 -171
80	720.00	lb	-164 -360	-138 -334	-112 -308	-86 -282	-60 -256	-35 -230	-9 -204	16 -178	42 -152	68 -126	94 -100
90	810.00	lb	-126 -321	-96 -292	-67 -263	-38 -233	-9 -204	19 -175	48 -146	78 -117	107 -88	136 -59	165 -29
100	900.00	lb	-87 -282	-54 -250	-22 -218	9 -185	42 -153	74 -120	107 -88	139 -56	171 -23	204 8	236 41
110	990.00	lb	-48 -244	-13 -208	22 -172	58 -137	93 -101	129 -65	165 -30	200 5	236 40	272 76	307 112
120	1080.00	lb	-10 -205	28 -166	67 -127	106 -88	145 -50	184 -11	223 27	262 66	300 105	339 144	378 183
130	1170.00	lb	28 -166	70 -124	112 -82	154 -40	197 1	239 43	281 85	323 127	365 170	407 212	449 254
140	1260.00	lb	67 -128	112 -82	157 -37	203 7	248 53	294 98	339 143	384 189	430 234	475 279	520 325
150	1350.00	lb	105 -89	154 -41	203 7	251 56	300 104	348 153	397 201	446 250	494 299	543 347	591 396

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" solid, conservation tillage
ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta,
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
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	28.9332	69.73	_____
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	_____
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	3.2000	5.12	_____
Centric 40WG	oz	7.29	2.0000	14.58	_____
Acephate 90%	lb	6.75	1.5000	10.13	_____
Incidental Pest Trt \$15	acre	15.00	1.5000	22.50	_____
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_____
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	0.4268	7.98	_____
Self-Propelled	hour	18.69	0.2780	5.20	_____
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	0.2251	2.02	_____
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_____
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_____
Self-Propelled	gal	2.86	5.7817	16.54	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_____
Tractors	acre	5.23	1.0000	5.23	_____
Self-Propelled	acre	31.17	1.0000	31.17	_____
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_____
INTEREST ON OP. CAP.	acre	29.16	1.0000	29.16	_____
TOTAL DIRECT EXPENSES				849.00	_____
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_____
Tractors	acre	40.44	1.0000	40.44	_____
Self-Propelled	acre	155.58	1.0000	155.58	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____
TOTAL FIXED EXPENSES				315.36	_____
TOTAL SPECIFIED EXPENSES				1164.36	_____

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" solid, conservation tillage
 ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta, 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					
HARVEST AIDS	acre	20.87	1.0000	20.87	_____
GINNING	acre	132.00	1.0000	132.00	_____
FERTILIZERS	acre	110.36	1.0000	110.36	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.42	1.0000	96.42	_____
INSECTICIDES	acre	52.32	1.0000	52.32	_____
SEED/PLANTS	acre	163.80	1.0000	163.80	_____
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_____
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	0.3487	3.13	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.7049	13.18	_____
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_____
DIESEL FUEL	gal	2.86	23.5740	67.41	_____
REPAIR & MAINTENANCE	acre	69.47	1.0000	69.47	_____
INTEREST ON OP. CAP.	acre	29.16	1.0000	29.16	_____

TOTAL DIRECT EXPENSES				849.00	_____
RETURNS ABOVE DIRECT EXPENSES				193.32	_____
TOTAL FIXED EXPENSES					
				315.36	_____

TOTAL SPECIFIED EXPENSES				1164.36	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-122.04	_____

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 15.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-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	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
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
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					14.4666				
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					14.4666				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.50	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.02	0.01
IncidentalPestTrt\$15	acre					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
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	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.70	0.42	1.25	0.56

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.

Table 15.D Estimated costs for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83			0.24	3.16	7.82
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.06	1.16	2.92
Clarity	pt	7.50						0.41	7.91	7.91
Glyphosate 3lbs a.e	oz	3.84						0.21	4.05	4.05
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	12.64
UAN (32%)	gal	34.86						1.68	36.54	36.54
Row Cond Folding	38'		1.80	0.91	1.37			0.17	4.25	10.29
Plant - Folding	12R-38		2.19	2.47	2.12			0.28	7.06	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	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	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	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	12.55
UAN (32%)	gal	34.86						1.20	36.06	36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70			0.17	5.01	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
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.03	1.13	2.89
Mepiquat Chloride	oz	0.80						0.02	0.82	0.82
Acephate 90%	lb	5.06						0.14	5.20	5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.64	0.33	0.67			0.05	1.69	4.33
IncidentalPestTrt\$15	acre	22.50						0.62	23.12	23.12
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	2.88
Acephate 90%	lb	5.06						0.10	5.16	5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45			0.02	1.12	2.88
Thidiazuron 4lb	oz	2.51						0.03	2.54	2.54
Ethephon 6E	pt	9.52						0.13	9.65	9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23			0.01	0.56	1.44
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
Gin & Haul	lb	132.00						0.91	132.91	132.91
Stalk Shredder-Flail	15'		4.86	4.79	3.70			0.09	13.44	26.46
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84			1.67	57.49	156.99
TOTALS		654.25	67.41	69.47	28.71	0.00	29.16	849.00	315.36	1164.36

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" solid, conservation tillage
 ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-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	1042.32
DIRECT EXPENSES												
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	34.86	0.00	34.86	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	11.34	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	27.56	5.06	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	0.80	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	0.45	1.97	5.73	4.27	1.32	0.60	0.68	11.06
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	0.43	2.28	4.85	14.29	13.88	10.04	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	21.56	2.54	1.71	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.97	4.24	1.28	0.35	0.31	1.34
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	276.39	127.24	47.38	17.76	22.83	195.92
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-276.39	-127.24	-47.38	-17.76	-22.83	846.40
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-437.87	-565.11	-612.49	-630.25	-653.08	193.32

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.

* Lease costs are based on hourly usage costs.

Table 15.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage
 ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-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	600.00	lb	-280 -595	-258 -574	-237 -552	-215 -530	-193 -509	-172 -487	-150 -466	-129 -444	-107 -422	-85 -401	-64 -379
60	720.00	lb	-228 -544	-202 -518	-176 -492	-151 -466	-125 -440	-99 -414	-73 -388	-47 -362	-21 -336	4 -310	30 -284
70	840.00	lb	-177 -492	-147 -462	-116 -432	-86 -401	-56 -371	-26 -341	4 -311	34 -280	64 -250	94 -220	125 -190
80	960.00	lb	-125 -441	-91 -406	-56 -371	-22 -337	12 -302	47 -268	81 -233	116 -199	150 -164	185 -130	219 -95
90	1080.00	lb	-74 -389	-35 -350	3 -311	42 -272	81 -234	120 -195	159 -156	197 -117	236 -78	275 -39	314 -0
100	1200.00	lb	-22 -338	20 -294	63 -251	106 -208	150 -165	193 -122	236 -78	279 -35	322 7	366 50	409 93
110	1320.00	lb	28 -286	76 -239	123 -191	171 -143	218 -96	266 -48	313 -1	361 46	409 93	456 141	504 188
120	1440.00	lb	80 -235	132 -183	184 -131	235 -79	287 -27	339 24	391 76	443 127	495 179	546 231	598 283
130	1560.00	lb	131 -183	188 -127	244 -71	300 -15	356 41	412 97	468 153	525 209	581 265	637 321	693 378
140	1680.00	lb	183 -131	243 -71	304 -11	364 49	425 109	485 170	546 230	606 291	667 351	727 412	788 472
150	1800.00	lb	234 -80	299 -15	364 49	429 113	494 178	558 243	623 308	688 373	753 437	818 502	882 567

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, 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 16.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 16.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 16.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	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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 16.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 16.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 17.A Estimated costs per acre
Soybeans, full-season, Enlist E3, April planted, 16R30"
Non-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	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	29.10	0.6600	19.21	_____
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_____
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	_____
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	_____
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	43.0000	12.47	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.1764	3.30	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0352	0.66	_____
HAND LABOR					
Implements	hour	9.06	0.0471	0.43	_____
Self-Propelled	hour	9.06	0.0176	0.15	_____
UNALLOCATED LABOR					
	hour	18.67	0.2671	4.99	_____
DIESEL FUEL					
Tractors	gal	2.86	2.7243	7.79	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.4490	1.29	_____
REPAIR & MAINTENANCE					
Implements	acre	7.02	1.0000	7.02	_____
Tractors	acre	2.16	1.0000	2.16	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.66	1.0000	0.66	_____
INTEREST ON OP. CAP.	acre	14.15	1.0000	14.15	_____
TOTAL DIRECT EXPENSES				311.63	_____
FIXED EXPENSES					
Implements	acre	18.75	1.0000	18.75	_____
Tractors	acre	16.72	1.0000	16.72	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	5.28	1.0000	5.28	_____
TOTAL FIXED EXPENSES				63.60	_____
TOTAL SPECIFIED EXPENSES				375.23	_____

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, April planted, 16R30"
Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	43.0000	467.41	_____

TOTAL INCOME				467.41	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	16.10	1.0000	16.10	_____
HARVEST AIDS	acre	5.12	1.0000	5.12	_____
FERTILIZERS	acre	46.30	1.0000	46.30	_____
FUNGICIDES	acre	7.14	1.0000	7.14	_____
HERBICIDES	acre	76.99	1.0000	76.99	_____
INSECTICIDES	acre	5.06	1.0000	5.06	_____
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	12.47	1.0000	12.47	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0647	0.58	_____
OPERATOR LABOR	hour	18.69	0.2968	5.55	_____
UNALLOCATED LABOR	hour	18.67	0.2671	4.99	_____
DIESEL FUEL	gal	2.86	4.5978	13.15	_____
REPAIR & MAINTENANCE	acre	14.61	1.0000	14.61	_____
INTEREST ON OP. CAP.	acre	14.15	1.0000	14.15	_____

TOTAL DIRECT EXPENSES				311.63	_____
RETURNS ABOVE DIRECT EXPENSES				155.78	_____
TOTAL FIXED EXPENSES				63.60	_____

TOTAL SPECIFIED EXPENSES				375.23	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				92.18	_____

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 17.C Estimated resource use for field operations, per acre
Soybeans, full-season, Enlist E3, April planted, 16R30"
Non-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	0.3330				
Custom Apply Fert	acre			1.00	Oct	1.0000				
Phosphorus (46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
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	Mar	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
2,4-D Amine 4	pt					2.0000				
Plant - Folding	16R-30	MFWD 300	0.047	1.00	Apr		0.04	0.04	0.09	0.04
Soybean Enlist E3	lb					50.0000				
CruiserMaxx Vibrance	oz					1.6000				
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				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.01
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Gramoxone SL	oz					16.0000				
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					43.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Sep		0.02	0.02	0.02	0.01
TOTALS							0.29	0.26	0.36	0.26

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 17.D Estimated costs for field operations, per acre
Soybeans, full-season, Enlist E3, April planted, 16R30"
Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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	19.21						1.58	20.79	20.79
Potash (60% K2O)	cwt	27.09						2.23	29.32	29.32
Disk Harrow	32'		2.71	2.24	2.18			0.59	7.72	9.76
Field Cultivate Fld	32'		2.06	1.31	1.65			0.41	5.43	8.34
App by Air (5 gal)	appl	8.05						0.39	8.44	8.44
Glyphosate 3lbs a.e	oz	3.84						0.18	4.02	4.02
2,4-D Amine 4	pt	4.46						0.21	4.67	4.67
Plant - Folding	16R-30		2.08	3.94	2.10			0.33	8.45	12.58
Soybean Enlist E3	lb	51.50						2.12	53.62	53.62
CruiserMaxx Vibrance	oz	7.14						0.29	7.43	7.43
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			0.04	1.16	1.76
Enlist Duo	pt	24.12						0.83	24.95	24.95
Dual Magnum	pt	10.11						0.35	10.46	10.46
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
Glyphosate 3lbs a.e	oz	3.84						0.13	3.97	3.97
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47			0.02	1.14	1.76
Acephate 90SP	lb	5.06						0.07	5.13	5.13
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
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
Haul Soybeans	bu	12.47						0.09	12.56	12.56
Grain Cart Soybean	700 bu		0.94	0.56	0.76			0.02	2.28	2.68
TOTALS		258.60	13.15	14.61	11.12	0.00	14.15	311.63	63.60	375.23

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, April planted, 16R30"
Non-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	467.41
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	0.00	8.05	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.12	0.00
FERTILIZERS	46.30	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	0.00	8.30	30.62	38.07	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	5.06	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	0.00	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	12.47
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
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	3.83	0.00	0.00	0.00	0.00	0.00	2.10	0.94	0.00	0.00	0.47	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	4.77	0.00	0.00	0.00	0.00	0.00	2.08	0.86	0.00	0.00	0.43	5.01
REPAIR & MAINTENANCE	3.55	0.00	0.00	0.00	0.00	0.00	3.94	0.44	0.00	0.00	0.22	6.46
INTEREST ON OP. CAP.	7.23	0.00	0.00	0.00	0.00	0.78	4.05	1.61	0.00	0.00	0.28	0.20
TOTAL DIRECT EXPENSES	95.12	0.00	0.00	0.00	0.00	17.13	102.75	48.42	0.00	0.00	20.29	27.92
NET INCOME	-95.12	0.00	0.00	0.00	0.00	-17.13	-102.75	-48.42	0.00	0.00	-20.29	439.49
NET INCOME TO DATE	-95.12	-95.12	-95.12	-95.12	-95.12	-112.25	-215.00	-263.42	-263.42	-263.42	-283.71	155.78

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 17.F Estimated returns for various price/yield combinations, per acre
 Soybeans, full-season, Enlist E3, April planted, 16R30"
 Non-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	21.50	bu	-130 -193	-118 -181	-106 -170	-95 -158	-83 -146	-71 -135	-59 -123	-48 -111	-36 -100	-24 -88	-13 -76
60	25.80	bu	-96 -159	-82 -145	-68 -131	-54 -117	-40 -103	-26 -89	-12 -75	1 -61	15 -47	29 -33	43 -19
70	30.10	bu	-62 -126	-46 -109	-29 -93	-13 -76	2 -60	19 -44	35 -27	52 -11	68 4	84 21	101 37
80	34.40	bu	-28 -92	-9 -73	8 -54	27 -36	46 -17	64 1	83 19	102 38	120 57	139 75	158 94
90	38.70	bu	5 -58	26 -37	47 -16	68 4	89 25	110 46	131 67	152 88	173 109	194 130	215 151
100	43.00	bu	38 -24	62 -1	85 22	109 45	132 68	155 92	179 115	202 138	225 162	249 185	272 209
110	47.30	bu	72 9	98 34	124 60	149 86	175 111	201 137	226 163	252 189	278 214	304 240	329 266
120	51.60	bu	106 42	134 70	162 99	190 127	218 155	246 183	274 211	302 239	330 267	358 295	386 323
130	55.90	bu	140 76	170 107	201 137	231 167	261 198	292 228	322 259	352 289	383 319	413 350	444 380
140	60.20	bu	174 110	206 143	239 175	272 208	305 241	337 274	370 306	403 339	435 372	468 404	501 437
150	64.50	bu	207 144	242 179	278 214	313 249	348 284	383 319	418 354	453 389	488 424	523 459	558 494

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, May planted, 16R30"
Non-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	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	29.10	0.6600	19.21	_____
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	64.0000	7.68	_____
Select Max	pt	15.01	1.0000	15.01	_____
Fierce	oz	7.75	3.5000	27.13	_____
Gramoxone SL 2.0	oz	0.32	64.0000	20.48	_____
Boundary	pt	10.19	2.0000	20.38	_____
Enlist Duo	pt	6.89	3.5000	24.12	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
INSECTICIDES					
Dimilin 2L	oz	2.45	1.0000	2.45	_____
Bifenthrin	oz	0.48	1.0500	0.50	_____
SEED/PLANTS					
Soybean Enlist E3	lb	1.03	50.0000	51.50	_____
ADJUVANTS					
Surfactant	pt	3.30	1.4500	4.79	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	40.0000	11.60	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2407	4.50	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0587	1.10	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0293	0.26	_____
UNALLOCATED LABOR					
	hour	18.69	0.3461	6.47	_____
DIESEL FUEL					
Tractors	gal	2.86	3.7171	10.63	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.7484	2.14	_____
REPAIR & MAINTENANCE					
Implements	acre	8.40	1.0000	8.40	_____
Tractors	acre	2.94	1.0000	2.94	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	1.10	1.0000	1.10	_____
INTEREST ON OP. CAP.	acre	12.62	1.0000	12.62	_____
TOTAL DIRECT EXPENSES				359.35	_____
FIXED EXPENSES					
Implements	acre	22.92	1.0000	22.92	_____
Tractors	acre	22.81	1.0000	22.81	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	8.80	1.0000	8.80	_____
TOTAL FIXED EXPENSES				77.38	_____
TOTAL SPECIFIED EXPENSES				436.73	_____

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, May planted, 16R30"
Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	40.0000	434.80	_____

TOTAL INCOME				434.80	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.05	1.0000	8.05	_____
HARVEST AIDS	acre	5.12	1.0000	5.12	_____
FERTILIZERS	acre	46.30	1.0000	46.30	_____
FUNGICIDES	acre	7.14	1.0000	7.14	_____
HERBICIDES	acre	124.91	1.0000	124.91	_____
INSECTICIDES	acre	2.95	1.0000	2.95	_____
SEED/PLANTS	acre	51.50	1.0000	51.50	_____
ADJUVANTS	acre	4.79	1.0000	4.79	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	11.60	1.0000	11.60	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0801	0.72	_____
OPERATOR LABOR	hour	18.69	0.3846	7.19	_____
UNALLOCATED LABOR	hour	18.69	0.3461	6.47	_____
DIESEL FUEL	gal	2.86	5.8899	16.84	_____
REPAIR & MAINTENANCE	acre	17.21	1.0000	17.21	_____
INTEREST ON OP. CAP.	acre	12.62	1.0000	12.62	_____

TOTAL DIRECT EXPENSES				359.35	_____
RETURNS ABOVE DIRECT EXPENSES				75.45	_____
TOTAL FIXED EXPENSES				77.38	_____

TOTAL SPECIFIED EXPENSES				436.73	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-1.93	_____

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.

Table 18.C Estimated resource use for field operations, per acre
Soybeans, full-season, Enlist E3, May planted, 16R30"
Non-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	0.3330				
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
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				
Custom Apply Fert	acre			1.00	Apr	1.0000				
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Apr			0.01	0.01	0.01
Fierce	oz					3.5000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
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				
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				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Jul			0.00	0.00	0.00
Dimilin 2L	oz					1.0000				
Surfactant	pt					0.0500				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Aug			0.00	0.00	0.00
Bifenthrin	oz					1.0500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Gramoxone SL	oz					16.0000				
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					40.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Oct		0.02	0.02	0.02	0.01
TOTALS							0.38	0.32	0.46	0.34

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, May planted, 16R30"
Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Soil Test	acre	3.33						0.02	3.35	3.35
Lime (Spread)	ton	17.11						0.12	17.23	17.23
Disk Harrow	32'		2.71	2.24	2.18			0.05	7.18	9.76
Field Cultivate Fld	32'		2.06	1.31	1.65			0.03	5.05	8.34
Bed/Lister-Roll-Fo	16R-30		2.68	1.67	2.15			0.04	6.54	8.84
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47			0.07	1.19	1.76
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
Custom Apply Fert	acre	9.00						0.43	9.43	9.43
Phosphorus (46% P2O5)	cwt	19.21						0.92	20.13	20.13
Potash (60% K2O)	cwt	27.09						1.30	28.39	28.39
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47			0.05	1.17	1.76
Fierce	oz	27.13						1.31	28.44	28.44
Gramoxone SL 2.0	oz	10.24						0.49	10.73	10.73
Surfactant	pt	1.32						0.06	1.38	1.38
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
Soybean Enlist E3	lb	51.50						2.12	53.62	53.62
CruiserMaxx Vibrance	oz	7.14						0.29	7.43	7.43
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
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
Glyphosate 3lbs a.e	oz	3.84						0.13	3.97	3.97
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.24			0.02	0.58	0.88
Dimilin 2L	oz	2.45						0.07	2.52	2.52
Surfactant	pt	0.17							0.17	0.17
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.24			0.01	0.57	0.88
Bifenthrin	oz	0.50						0.01	0.51	0.51
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
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
Haul Soybeans	bu	11.60						0.08	11.68	11.68
Grain Cart Soybean	700 bu		0.94	0.56	0.76			0.02	2.28	2.68
TOTALS		298.30	16.84	17.21	14.38	0.00	12.62	359.35	77.38	436.73

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, May planted, 16R30"
Non-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	434.80
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.05	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.12	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	46.30	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	18.85	0.00	37.37	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	2.45	0.50	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	1.32	0.00	1.32	1.32	0.00	0.17	0.00	0.66	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	9.00	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	11.60
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.11
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
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	0.00	0.00	0.00	0.47	0.00	0.47	2.73	0.47	0.24	0.24	0.00	9.76
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	0.43	0.00	0.43	2.67	0.43	0.21	0.21	0.00	12.46
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.22	0.00	0.22	4.65	0.22	0.11	0.11	0.00	11.68
INTEREST ON OP. CAP.	0.00	0.00	0.00	1.32	0.00	4.56	5.82	0.17	0.09	0.02	0.19	0.45
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	22.61	0.00	99.67	147.18	5.13	3.27	1.08	14.02	66.39
NET INCOME	0.00	0.00	0.00	-22.61	0.00	-99.67	-147.18	-5.13	-3.27	-1.08	-14.02	368.41
NET INCOME TO DATE	0.00	0.00	0.00	-22.61	-22.61	-122.28	-269.46	-274.59	-277.86	-278.94	-292.96	75.45

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, May planted, 16R30"
 Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
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	20.00	bu	-190 -267	-179 -256	-168 -246	-157 -235	-146 -224	-136 -213	-125 -202	-114 -191	-103 -180	-92 -170	-81 -159
60	24.00	bu	-159 -236	-145 -223	-132 -210	-119 -197	-106 -184	-93 -171	-80 -158	-67 -145	-54 -132	-41 -119	-28 -105
70	28.00	bu	-127 -204	-112 -189	-97 -174	-81 -159	-66 -144	-51 -128	-36 -113	-21 -98	-5 -83	9 -67	24 -52
80	32.00	bu	-96 -173	-78 -156	-61 -138	-43 -121	-26 -103	-9 -86	8 -69	25 -51	43 -34	60 -16	77 0
90	36.00	bu	-64 -142	-45 -122	-25 -102	-5 -83	13 -63	33 -44	52 -24	72 -5	91 14	111 34	130 53
100	40.00	bu	-33 -110	-11 -88	10 -67	31 -45	53 -23	75 -1	97 19	118 41	140 63	162 85	184 106
110	44.00	bu	-1 -79	22 -55	46 -31	69 -7	93 16	117 40	141 64	165 88	189 112	213 136	237 159
120	48.00	bu	29 -47	55 -21	81 4	107 30	133 56	160 82	186 108	212 134	238 160	264 187	290 213
130	52.00	bu	61 -16	89 11	117 40	145 68	174 96	202 125	230 153	258 181	287 209	315 238	343 266
140	56.00	bu	92 15	122 45	153 76	183 106	214 136	244 167	275 197	305 228	336 258	366 289	396 319
150	60.00	bu	123 46	156 79	189 111	221 144	254 177	287 209	319 242	352 274	384 307	417 340	450 372

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"
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 19.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 19.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 19.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	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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 19.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 19.F Estimated returns for various price/yield combinations, per acre
 Soybeans, double crop after wheat, Enlist E3, 16R30"
 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 -268	-218 -261	-211 -255	-204 -248	-198 -241	-191 -234	-184 -227	-177 -221	-170 -214	-164 -207	-157 -200
60	15.00	bu	-205 -248	-197 -240	-189 -232	-181 -224	-172 -216	-164 -208	-156 -200	-148 -191	-140 -183	-132 -175	-124 -167
70	17.50	bu	-185 -229	-176 -219	-166 -210	-157 -200	-147 -191	-138 -181	-128 -172	-119 -162	-109 -153	-100 -143	-90 -134
80	20.00	bu	-166 -209	-155 -198	-144 -187	-133 -177	-122 -166	-111 -155	-101 -144	-90 -133	-79 -122	-68 -111	-57 -100
90	22.50	bu	-146 -190	-134 -177	-122 -165	-109 -153	-97 -141	-85 -128	-73 -116	-61 -104	-48 -92	-36 -79	-24 -67
100	25.00	bu	-126 -170	-113 -156	-99 -143	-86 -129	-72 -116	-59 -102	-45 -88	-31 -75	-18 -61	-4 -48	8 -34
110	27.50	bu	-107 -150	-92 -135	-77 -120	-62 -105	-47 -90	-32 -75	-17 -61	-2 -46	12 -31	27 -16	42 -1
120	30.00	bu	-87 -131	-71 -114	-55 -98	-38 -82	-22 -65	-6 -49	10 -33	26 -16	42 -0	59 15	75 31
130	32.50	bu	-68 -111	-50 -93	-32 -76	-15 -58	2 -40	20 -23	37 -5	55 12	73 29	90 47	108 65
140	35.00	bu	-48 -91	-29 -72	-10 -53	8 -34	27 -15	46 3	65 22	84 41	103 60	122 79	141 98
150	37.50	bu	-28 -72	-8 -51	12 -31	32 -10	52 9	73 29	93 50	113 70	134 90	154 111	175 131

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 20.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 20.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 20.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 20.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-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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 20.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 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, RR2X/XF, 16R 30"
 1/2 mile pivot irrigated, 7.5 ac-in., 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	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 21.A Estimated costs per acre
Soybeans, full-season, RR2X/XF, April planted, 16R 30"
Non-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	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	29.10	0.6600	19.21	_____
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_____
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	_____
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	_____
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	43.0000	12.47	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.1764	3.30	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0352	0.66	_____
HAND LABOR					
Implements	hour	9.06	0.0471	0.43	_____
Self-Propelled	hour	9.06	0.0176	0.15	_____
UNALLOCATED LABOR					
	hour	18.67	0.2671	4.99	_____
DIESEL FUEL					
Tractors	gal	2.86	2.7243	7.79	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.4490	1.29	_____
REPAIR & MAINTENANCE					
Implements	acre	7.02	1.0000	7.02	_____
Tractors	acre	2.16	1.0000	2.16	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	0.66	1.0000	0.66	_____
INTEREST ON OP. CAP.	acre	14.19	1.0000	14.19	_____
TOTAL DIRECT EXPENSES				311.46	_____
FIXED EXPENSES					
Implements	acre	18.75	1.0000	18.75	_____
Tractors	acre	16.72	1.0000	16.72	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	5.28	1.0000	5.28	_____
TOTAL FIXED EXPENSES				63.60	_____
TOTAL SPECIFIED EXPENSES				375.06	_____

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, April planted, 16R 30"
Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	43.0000	467.41	_____

TOTAL INCOME				467.41	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	16.10	1.0000	16.10	_____
HARVEST AIDS	acre	5.12	1.0000	5.12	_____
FERTILIZERS	acre	46.30	1.0000	46.30	_____
FUNGICIDES	acre	7.14	1.0000	7.14	_____
HERBICIDES	acre	70.28	1.0000	70.28	_____
INSECTICIDES	acre	5.06	1.0000	5.06	_____
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	12.47	1.0000	12.47	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0647	0.58	_____
OPERATOR LABOR	hour	18.69	0.2968	5.55	_____
UNALLOCATED LABOR	hour	18.67	0.2671	4.99	_____
DIESEL FUEL	gal	2.86	4.5978	13.15	_____
REPAIR & MAINTENANCE	acre	14.61	1.0000	14.61	_____
INTEREST ON OP. CAP.	acre	14.19	1.0000	14.19	_____

TOTAL DIRECT EXPENSES				311.46	_____
RETURNS ABOVE DIRECT EXPENSES				155.95	_____
TOTAL FIXED EXPENSES				63.60	_____

TOTAL SPECIFIED EXPENSES				375.06	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				92.35	_____

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 21.C Estimated resource use for field operations, per acre
 Soybeans, full-season, RR2X/XF, April planted, 16R 30"
 Non-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	0.3330					
Custom Apply Fert	acre			1.00	Oct	1.0000					
Phosphorus (46% P2O5)	cwt					0.6600					
Potash (60% K2O)	cwt					1.0000					
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	Mar	1.0000					
Glyphosate 3lbs a.e	oz					32.0000					
2,4-D Amine 4	pt					2.0000					
Plant - Folding	16R-30	MFWD 300	0.047	1.00	Apr		0.04	0.04	0.09	0.04	
Soybean Seed RR2X	lb					50.0000					
CruiserMaxx Vibrance	oz					1.6000					
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					
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					
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.01	
Acephate 90SP	lb					0.7500					
App by Air (5 gal)	appl			1.00	Aug	1.0000					
Gramoxone SL	oz					16.0000					
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					43.0000					
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Sep		0.02	0.02	0.02	0.01	
TOTALS								0.29	0.26	0.36	0.26

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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	19.21						1.58	20.79	20.79
Potash (60% K2O)	cwt	27.09						2.23	29.32	29.32
Disk Harrow	32'		2.71	2.24	2.18			0.59	7.72	9.76
Field Cultivate Fld	32'		2.06	1.31	1.65			0.41	5.43	8.34
App by Air (5 gal)	appl	8.05						0.39	8.44	8.44
Glyphosate 3lbs a.e	oz	3.84						0.18	4.02	4.02
2,4-D Amine 4	pt	4.46						0.21	4.67	4.67
Plant - Folding	16R-30		2.08	3.94	2.10			0.33	8.45	12.58
Soybean Seed RR2X	lb	58.00						2.39	60.39	60.39
CruiserMaxx Vibrance	oz	7.14						0.29	7.43	7.43
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			0.04	1.16	1.76
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
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
Glyphosate 3lbs a.e	oz	3.84						0.13	3.97	3.97
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47			0.02	1.14	1.76
Acephate 90SP	lb	5.06						0.07	5.13	5.13
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
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
Haul Soybeans	bu	12.47						0.09	12.56	12.56
Grain Cart Soybean	700 bu		0.94	0.56	0.76			0.02	2.28	2.68
TOTALS		258.39	13.15	14.61	11.12	0.00	14.19	311.46	63.60	375.06

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, April planted, 16R 30"
Non-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	467.41
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	0.00	8.05	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.12	0.00
FERTILIZERS	46.30	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	0.00	8.30	30.62	31.36	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	5.06	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	0.00	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	12.47
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
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	3.83	0.00	0.00	0.00	0.00	0.00	2.10	0.94	0.00	0.00	0.47	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	4.77	0.00	0.00	0.00	0.00	0.00	2.08	0.86	0.00	0.00	0.43	5.01
REPAIR & MAINTENANCE	3.55	0.00	0.00	0.00	0.00	0.00	3.94	0.44	0.00	0.00	0.22	6.46
INTEREST ON OP. CAP.	7.23	0.00	0.00	0.00	0.00	0.78	4.32	1.38	0.00	0.00	0.28	0.20
TOTAL DIRECT EXPENSES	95.12	0.00	0.00	0.00	0.00	17.13	109.52	41.48	0.00	0.00	20.29	27.92
NET INCOME	-95.12	0.00	0.00	0.00	0.00	-17.13	-109.52	-41.48	0.00	0.00	-20.29	439.49
NET INCOME TO DATE	-95.12	-95.12	-95.12	-95.12	-95.12	-112.25	-221.77	-263.25	-263.25	-263.25	-283.54	155.95

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 21.F Estimated returns for various price/yield combinations, per acre
 Soybeans, full-season, RR2X/XF, April planted, 16R 30"
 Non-Delta Area, 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	21.50	bu	-129	-118	-106	-94	-83	-71	-59	-48	-36	-24	-13
			-193	-181	-170	-158	-146	-135	-123	-111	-100	-88	-76
60	25.80	bu	-96	-82	-68	-54	-40	-25	-11	2	16	30	44
			-159	-145	-131	-117	-103	-89	-75	-61	-47	-33	-19
70	30.10	bu	-62	-45	-29	-13	3	19	35	52	68	84	101
			-125	-109	-93	-76	-60	-44	-27	-11	4	21	37
80	34.40	bu	-28	-9	8	27	46	64	83	102	121	139	158
			-92	-73	-54	-36	-17	1	20	38	57	76	94
90	38.70	bu	5	26	47	68	89	110	131	152	173	194	215
			-58	-37	-16	4	25	46	67	88	109	130	152
100	43.00	bu	39	62	85	109	132	155	179	202	226	249	272
			-24	-1	22	45	68	92	115	139	162	185	209
110	47.30	bu	72	98	124	150	175	201	227	252	278	304	329
			9	35	60	86	112	137	163	189	214	240	266
120	51.60	bu	106	134	162	190	218	246	274	303	331	359	387
			43	71	99	127	155	183	211	239	267	295	323
130	55.90	bu	140	170	201	231	262	292	322	353	383	413	444
			76	107	137	168	198	228	259	289	319	350	380
140	60.20	bu	174	207	239	272	305	337	370	403	436	468	501
			110	143	176	208	241	274	307	339	372	405	437
150	64.50	bu	208	243	278	313	348	383	418	453	488	523	558
			144	179	214	249	284	319	354	389	424	459	495

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, May planted, 16R 30"
 Non-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	_____
HARVEST AIDS					
Gramoxone SL	oz	0.32	16.0000	5.12	_____
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	29.10	0.6600	19.21	_____
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_____
FUNGICIDES					
CruiserMaxx Vibrance	oz	4.46	1.6000	7.14	_____
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_____
Select Max	pt	15.01	1.0000	15.01	_____
Fierce	oz	7.75	3.5000	27.13	_____
Gramoxone SL 2.0	oz	0.32	64.0000	20.48	_____
Boundary	pt	10.19	2.0000	20.38	_____
Engenia	oz	1.06	12.8000	13.57	_____
Dual Magnum	pt	10.11	1.0000	10.11	_____
INSECTICIDES					
Dimilin 2L	oz	2.45	1.0000	2.45	_____
Bifenthrin	oz	0.48	1.0500	0.50	_____
SEED/PLANTS					
Soybean Seed RR2X	lb	1.16	50.0000	58.00	_____
ADJUVANTS					
Surfactant	pt	3.30	1.4500	4.79	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_____
HAULING					
Haul Soybeans	bu	0.29	40.0000	11.60	_____
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.3330	17.11	_____
CROP CONSULTANT					
Soybeans Consultant	acre	6.50	1.0000	6.50	_____
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_____
OPERATOR LABOR					
Tractors	hour	18.69	0.2407	4.50	_____
Harvesters	hour	18.69	0.0851	1.59	_____
Self-Propelled	hour	18.69	0.0587	1.10	_____
HAND LABOR					
Implements	hour	9.06	0.0507	0.46	_____
Self-Propelled	hour	9.06	0.0293	0.26	_____
UNALLOCATED LABOR					
	hour	18.69	0.3461	6.47	_____
DIESEL FUEL					
Tractors	gal	2.86	3.7171	10.63	_____
Harvesters	gal	2.86	1.4243	4.07	_____
Self-Propelled	gal	2.86	0.7484	2.14	_____
REPAIR & MAINTENANCE					
Implements	acre	8.40	1.0000	8.40	_____
Tractors	acre	2.94	1.0000	2.94	_____
Harvesters	acre	4.77	1.0000	4.77	_____
Self-Propelled	acre	1.10	1.0000	1.10	_____
INTEREST ON OP. CAP.	acre	12.62	1.0000	12.62	_____
TOTAL DIRECT EXPENSES				359.14	_____
FIXED EXPENSES					
Implements	acre	22.92	1.0000	22.92	_____
Tractors	acre	22.81	1.0000	22.81	_____
Harvesters	acre	22.85	1.0000	22.85	_____
Self-Propelled	acre	8.80	1.0000	8.80	_____
TOTAL FIXED EXPENSES				77.38	_____
TOTAL SPECIFIED EXPENSES				436.52	_____

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.

Table 22.B Summary of estimated costs and returns per acre
Soybeans, full-season, RR2X/XF, May planted, 16R 30"
Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	10.87	40.0000	434.80	_____
TOTAL INCOME				434.80	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.05	1.0000	8.05	_____
HARVEST AIDS	acre	5.12	1.0000	5.12	_____
FERTILIZERS	acre	46.30	1.0000	46.30	_____
FUNGICIDES	acre	7.14	1.0000	7.14	_____
HERBICIDES	acre	118.20	1.0000	118.20	_____
INSECTICIDES	acre	2.95	1.0000	2.95	_____
SEED/PLANTS	acre	58.00	1.0000	58.00	_____
ADJUVANTS	acre	4.79	1.0000	4.79	_____
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_____
HAULING	acre	11.60	1.0000	11.60	_____
CUSTOM LIME	acre	17.11	1.0000	17.11	_____
CROP CONSULTANT	acre	6.50	1.0000	6.50	_____
SOIL TEST	acre	3.33	1.0000	3.33	_____
HAND LABOR	hour	9.06	0.0801	0.72	_____
OPERATOR LABOR	hour	18.69	0.3846	7.19	_____
UNALLOCATED LABOR	hour	18.69	0.3461	6.47	_____
DIESEL FUEL	gal	2.86	5.8899	16.84	_____
REPAIR & MAINTENANCE	acre	17.21	1.0000	17.21	_____
INTEREST ON OP. CAP.	acre	12.62	1.0000	12.62	_____
TOTAL DIRECT EXPENSES				359.14	_____
RETURNS ABOVE DIRECT EXPENSES				75.66	_____
TOTAL FIXED EXPENSES				77.38	_____
TOTAL SPECIFIED EXPENSES				436.52	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-1.72	_____

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, May planted, 16R 30"
Non-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	0.3330				
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
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				
Custom Apply Fert	acre			1.00	Apr	1.0000				
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Apr			0.01	0.01	0.01
Fierce	oz					3.5000				
Gramoxone SL 2.0	oz					32.0000				
Surfactant	pt					0.4000				
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				
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				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Jul			0.00	0.00	0.00
Dimilin 2L	oz					1.0000				
Surfactant	pt					0.0500				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Aug			0.00	0.00	0.00
Bifenthrin	oz					1.0500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Gramoxone SL	oz					16.0000				
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					40.0000				
Grain Cart Soybean	700 bu	MFWD 300	0.021	1.00	Oct		0.02	0.02	0.02	0.01
TOTALS							0.38	0.32	0.46	0.34

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, May planted, 16R 30"
Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Soil Test	acre	3.33						0.02	3.35		3.35
Lime (Spread)	ton	17.11						0.12	17.23		17.23
Disk Harrow	32'		2.71	2.24	2.18			0.05	7.18	9.76	16.94
Field Cultivate Fld	32'		2.06	1.31	1.65			0.03	5.05	8.34	13.39
Bed/Lister-Roll-Fo	16R-30		2.68	1.67	2.15			0.04	6.54	8.84	15.38
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
Custom Apply Fert	acre	9.00						0.43	9.43		9.43
Phosphorus (46% P2O5)	cwt	19.21						0.92	20.13		20.13
Potash (60% K2O)	cwt	27.09						1.30	28.39		28.39
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.47			0.05	1.17	1.76	2.93
Fierce	oz	27.13						1.31	28.44		28.44
Gramoxone SL 2.0	oz	10.24						0.49	10.73		10.73
Surfactant	pt	1.32						0.06	1.38		1.38
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
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
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.24			0.02	0.58	0.88	1.46
Dimilin 2L	oz	2.45						0.07	2.52		2.52
Surfactant	pt	0.17							0.17		0.17
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.24			0.01	0.57	0.88	1.45
Bifenthrin	oz	0.50						0.01	0.51		0.51
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
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	11.60						0.08	11.68		11.68
Grain Cart Soybean	700 bu		0.94	0.56	0.76			0.02	2.28	2.68	4.96
TOTALS			298.09	16.84	17.21	14.38	0.00	12.62	359.14	77.38	436.52

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.

Table 22.E Estimated monthly income and expense flows per acre
Soybeans, full-season, RR2X/XF, May planted, 16R 30"
Non-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	434.80
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.05	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.12	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	46.30	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	18.85	0.00	37.37	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	2.45	0.50	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	1.32	0.00	1.32	1.32	0.00	0.17	0.00	0.66	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	9.00	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	11.60
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.11
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
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	0.00	0.00	0.00	0.47	0.00	0.47	2.73	0.47	0.24	0.24	0.00	9.76
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	0.43	0.00	0.43	2.67	0.43	0.21	0.21	0.00	12.46
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.22	0.00	0.22	4.65	0.22	0.11	0.11	0.00	11.68
INTEREST ON OP. CAP.	0.00	0.00	0.00	1.32	0.00	4.56	5.82	0.17	0.09	0.02	0.19	0.45
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	22.61	0.00	99.67	146.97	5.13	3.27	1.08	14.02	66.39
NET INCOME	0.00	0.00	0.00	-22.61	0.00	-99.67	-146.97	-5.13	-3.27	-1.08	-14.02	368.41
NET INCOME TO DATE	0.00	0.00	0.00	-22.61	-22.61	-122.28	-269.25	-274.38	-277.65	-278.73	-292.75	75.66

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 22.F Estimated returns for various price/yield combinations, per acre
 Soybeans, full-season, RR2X/XF, May planted, 16R 30"
 Non-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	20.00	bu	-190	-179	-168	-157	-146	-135	-125	-114	-103	-92	-81
			-267	-256	-245	-235	-224	-213	-202	-191	-180	-169	-158
60	24.00	bu	-158	-145	-132	-119	-106	-93	-80	-67	-54	-41	-28
			-236	-223	-210	-197	-184	-170	-157	-144	-131	-118	-105
70	28.00	bu	-127	-112	-96	-81	-66	-51	-36	-20	-5	9	24
			-204	-189	-174	-159	-143	-128	-113	-98	-83	-67	-52
80	32.00	bu	-95	-78	-61	-43	-26	-8	8	25	43	60	77
			-173	-155	-138	-121	-103	-86	-68	-51	-34	-16	0
90	36.00	bu	-64	-44	-25	-5	13	33	52	72	92	111	131
			-141	-122	-102	-83	-63	-44	-24	-4	14	34	53
100	40.00	bu	-33	-11	10	32	53	75	97	119	140	162	184
			-110	-88	-66	-45	-23	-1	20	41	63	85	106
110	44.00	bu	-1	22	46	70	94	117	141	165	189	213	237
			-78	-55	-31	-7	16	40	64	88	112	136	160
120	48.00	bu	29	55	82	108	134	160	186	212	238	264	290
			-47	-21	4	30	56	82	108	135	161	187	213
130	52.00	bu	61	89	117	146	174	202	230	259	287	315	343
			-16	12	40	68	96	125	153	181	210	238	266
140	56.00	bu	92	123	153	184	214	244	275	305	336	366	397
			15	45	76	106	137	167	197	228	258	289	319
150	60.00	bu	124	156	189	222	254	287	319	352	385	417	450
			46	79	112	144	177	209	242	275	307	340	372

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, 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 23.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 23.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	POWER 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 23.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-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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
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
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
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
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 23.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 23.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 -268	-218 -261	-211 -254	-204 -248	-197 -241	-191 -234	-184 -227	-177 -220	-170 -214	-163 -207	-157 -200
60	15.00	bu	-205 -248	-197 -240	-189 -232	-180 -224	-172 -216	-164 -208	-156 -199	-148 -191	-140 -183	-132 -175	-123 -167
70	17.50	bu	-185 -229	-176 -219	-166 -210	-157 -200	-147 -191	-138 -181	-128 -172	-119 -162	-109 -153	-100 -143	-90 -134
80	20.00	bu	-166 -209	-155 -198	-144 -187	-133 -176	-122 -166	-111 -155	-100 -144	-90 -133	-79 -122	-68 -111	-57 -100
90	22.50	bu	-146 -189	-134 -177	-121 -165	-109 -153	-97 -140	-85 -128	-73 -116	-60 -104	-48 -92	-36 -79	-24 -67
100	25.00	bu	-126 -170	-113 -156	-99 -143	-86 -129	-72 -115	-58 -102	-45 -88	-31 -75	-18 -61	-4 -47	9 -34
110	27.50	bu	-107 -150	-92 -135	-77 -120	-62 -105	-47 -90	-32 -75	-17 -60	-2 -45	12 -30	27 -16	42 -1
120	30.00	bu	-87 -130	-71 -114	-54 -98	-38 -81	-22 -65	-5 -49	10 -33	26 -16	42 -0	59 15	75 32
130	32.50	bu	-67 -111	-50 -93	-32 -75	-14 -58	2 -40	20 -22	38 -5	55 12	73 30	91 47	108 65
140	35.00	bu	-48 -91	-29 -72	-10 -53	8 -34	27 -15	46 3	65 22	84 41	103 60	123 79	142 98
150	37.50	bu	-28 -71	-8 -51	12 -31	32 -10	52 9	73 29	93 50	114 70	134 91	154 111	175 131

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 24.A Estimated costs per acre
 Corn, stale seedbed, RR2, 12-row 30",
 170 bu yield goal, Non-Delta, 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	56.0263	154.63	_____
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	0.4295	8.02	_____
Harvesters	hour	18.69	0.1277	2.39	_____
Self-Propelled	hour	18.69	0.0176	0.33	_____
HAND LABOR					
Implements	hour	9.06	0.1442	1.31	_____
Self-Propelled	hour	9.06	0.0088	0.08	_____
UNALLOCATED LABOR					
	hour	18.71	0.5173	9.68	_____
DIESEL FUEL					
Tractors	gal	2.86	4.9741	14.22	_____
Harvesters	gal	2.86	1.7419	4.98	_____
Self-Propelled	gal	2.86	0.1586	0.45	_____
REPAIR & MAINTENANCE					
Implements	acre	13.30	1.0000	13.30	_____
Tractors	acre	4.38	1.0000	4.38	_____
Harvesters	acre	6.16	1.0000	6.16	_____
Self-Propelled	acre	0.20	1.0000	0.20	_____
INTEREST ON OP. CAP.	acre	28.73	1.0000	28.73	_____
TOTAL DIRECT EXPENSES				648.65	_____
FIXED EXPENSES					
Implements	acre	26.41	1.0000	26.41	_____
Tractors	acre	33.95	1.0000	33.95	_____
Harvesters	acre	29.49	1.0000	29.49	_____
Self-Propelled	acre	1.63	1.0000	1.63	_____
TOTAL FIXED EXPENSES				91.48	_____
TOTAL SPECIFIED EXPENSES				740.13	_____

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 24.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, RR2, 12-row 30",
 170 bu yield goal, Non-Delta, 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	235.93	1.0000	235.93	_____
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	0.1530	1.39	_____
OPERATOR LABOR	hour	18.69	0.5748	10.74	_____
UNALLOCATED LABOR	hour	18.71	0.5173	9.68	_____
DIESEL FUEL	gal	2.86	6.8748	19.65	_____
REPAIR & MAINTENANCE	acre	24.04	1.0000	24.04	_____
INTEREST ON OP. CAP.	acre	28.73	1.0000	28.73	_____

TOTAL DIRECT EXPENSES				648.65	_____
RETURNS ABOVE DIRECT EXPENSES				114.65	_____
TOTAL FIXED EXPENSES				91.48	_____

TOTAL SPECIFIED EXPENSES				740.13	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				23.17	_____

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 24.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, RR2, 12-row 30",
 170 bu yield goal, Non-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	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				
Disk Heavy	28'	MFWD 225	0.075	1.00	Oct		0.07	0.07	0.07	0.06
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 - Rigid	12R-30	MFWD 225	0.062	1.00	Mar		0.06	0.06	0.12	0.05
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				
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN + Sulfur (28%)	gal					36.7200				
Corn Consultant	acre			1.00	May	1.0000				
App by Air (3 gal)	appl			0.20	May	0.2000				
Bifenthrin	oz					1.2804				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-30	265 hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Grain Cart Corn	500 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							0.57	0.55	0.72	0.51

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.**
- Lime cost prorated for application every 3rd year.**

Table 24.D Estimated costs for field operations, per acre
 Corn, stale seedbed, RR2, 12-row 30",
 170 bu yield goal, Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Disk Heavy	28'		2.51	2.37	2.68			0.62	8.18	10.21	18.39
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 - Rigid	12R-30		2.08	2.47	2.80			0.35	7.70	9.40	17.10
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
Fert Appl (Liquid)	12R-30		2.60	2.70	3.15			0.29	8.74	8.87	17.61
UAN + Sulfur (28%)	gal	101.35						3.48	104.83		104.83
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
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-30		4.98	9.38	4.54			0.13	19.03	35.53	54.56
Grain Cart Corn	500 bu		0.84	0.51	0.90			0.02	2.27	2.56	4.83
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		554.42	19.65	24.04	21.81	0.00	28.73	648.65	91.48	740.13	

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 24.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, RR2, 12-row 30",
 170 bu yield goal, Non-Delta, 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	101.35	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	6.78	0.00	0.00	0.00	0.00	2.80	0.71	3.15	0.00	0.00	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	5.97	0.00	0.00	0.00	0.00	2.08	0.45	2.60	0.00	0.00	0.00	8.55
REPAIR & MAINTENANCE	5.55	0.00	0.00	0.00	0.00	2.47	0.20	2.70	0.00	0.00	0.00	13.12
INTEREST ON OP. CAP.	11.29	0.00	0.00	0.00	1.94	6.48	3.94	4.05	0.46	0.00	0.00	0.57
TOTAL DIRECT EXPENSES	148.44	0.00	0.00	0.00	37.33	141.23	99.30	121.96	17.08	0.00	0.00	83.31
NET INCOME	-148.44	0.00	0.00	0.00	-37.33	-141.23	-99.30	-121.96	-17.08	0.00	0.00	679.99
NET INCOME TO DATE	-148.44	-148.44	-148.44	-148.44	-185.77	-327.00	-426.30	-548.26	-565.34	-565.34	-565.34	114.65

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 24.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, RR2, 12-row 30",
 170 bu yield goal, Non-Delta, Mississippi, 2025

PRODUCT	PERCENT												
	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	-335 -427	-316 -408	-297 -389	-278 -370	-259 -351	-240 -331	-221 -312	-202 -293	-183 -274	-164 -255	-145 -236
60	102.00	bu	-283 -375	-261 -352	-238 -329	-215 -306	-192 -283	-169 -260	-146 -238	-123 -215	-100 -192	-77 -169	-54 -146
70	119.00	bu	-232 -323	-205 -296	-178 -270	-151 -243	-125 -216	-98 -189	-71 -163	-44 -136	-18 -109	8 -83	35 -56
80	136.00	bu	-180 -271	-149 -241	-118 -210	-88 -179	-57 -149	-27 -118	3 -88	33 -57	64 -27	94 3	125 33
90	153.00	bu	-128 -219	-93 -185	-59 -150	-25 -116	9 -82	43 -47	77 -13	112 20	146 55	181 89	215 123
100	170.00	bu	-76 -167	-38 -129	0 -91	38 -53	76 -14	114 23	152 61	190 99	229 137	267 175	305 213
110	187.00	bu	-24 -115	17 -73	59 -31	101 10	143 52	185 94	227 136	269 178	311 220	353 262	395 304
120	204.00	bu	27 -63	73 -17	119 27	165 73	210 119	256 165	302 211	348 256	394 302	439 348	485 394
130	221.00	bu	79 -11	129 37	178 87	228 137	278 186	327 236	377 285	426 335	476 385	526 434	575 484
140	238.00	bu	131 40	185 93	238 146	291 200	345 253	398 307	452 360	505 414	559 467	612 520	665 574
150	255.00	bu	183 92	240 149	298 206	355 263	412 321	469 378	527 435	584 492	641 550	698 607	756 664

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
 Corn, stale seedbed, BtRR, 16-row 30",
 Pivot irrigated, 235 bu yield goal, Non-Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.0000	16.10	_____
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	_____
UAN + Sulfur (28%)	gal	2.76	56.0263	154.63	_____
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	1.2804	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	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	0.4137	7.73	_____
Harvesters	hour	18.69	0.1277	2.39	_____
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	0.1285	1.17	_____
Self-Propelled	hour	9.06	0.0088	0.08	_____
UNALLOCATED LABOR					
	hour	18.70	0.5032	9.41	_____
DIESEL FUEL					
Tractors	gal	2.86	4.7921	13.70	_____
Harvesters	gal	2.86	1.7419	4.98	_____
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	14.83	1.0000	14.83	_____
Tractors	acre	4.22	1.0000	4.22	_____
Harvesters	acre	6.16	1.0000	6.16	_____
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	29.38	1.0000	29.38	_____

TOTAL DIRECT EXPENSES				706.02	_____
FIXED EXPENSES					
Implements	acre	30.09	1.0000	30.09	_____
Tractors	acre	32.71	1.0000	32.71	_____
Harvesters	acre	29.49	1.0000	29.49	_____
Self-Propelled	acre	1.63	1.0000	1.63	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____

TOTAL FIXED EXPENSES				193.42	_____

TOTAL SPECIFIED EXPENSES				899.44	_____

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 25.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, BtRR, 16-row 30",
 Pivot irrigated, 235 bu yield goal, Non-Delta, 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	235.93	1.0000	235.93	_____
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	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	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	0.1373	1.25	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.5591	10.45	_____
UNALLOCATED LABOR	hour	18.70	0.5032	9.41	_____
DIESEL FUEL	gal	2.86	17.8938	51.16	_____
REPAIR & MAINTENANCE	acre	47.36	1.0000	47.36	_____
INTEREST ON OP. CAP.	acre	29.38	1.0000	29.38	_____

TOTAL DIRECT EXPENSES				706.02	_____
RETURNS ABOVE DIRECT EXPENSES				349.13	_____

TOTAL FIXED EXPENSES				193.42	_____

TOTAL SPECIFIED EXPENSES				899.44	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				155.71	_____

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 25.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, BtRR, 16-row 30",
 Pivot irrigated, 235 bu yield goal, Non-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	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				
Disk Heavy	28'	MFWD 225	0.075	1.00	Oct		0.07	0.07	0.07	0.06
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 - Folding	16R-30	MFWD 225	0.047	1.00	Mar		0.04	0.04	0.09	0.04
Corn Seed BtRR	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				
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN + Sulfur (28%)	gal					36.7200				
Corn Consultant	acre			1.00	May	1.0000				
App by Air (3 gal)	appl			0.20	May	0.2000				
Bifenthrin	oz					1.2804				
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	500 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							0.55	0.54	0.90	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 25.D Estimated costs for field operations, per acre
 Corn, stale seedbed, BtRR, 16-row 30",
 Pivot irrigated, 235 bu yield goal, Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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
Disk Heavy	28'		2.51	2.37	2.68			0.62	8.18	10.21	18.39
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 - Folding	16R-30		1.56	3.84	2.10			0.36	7.86	11.84	19.70
Corn Seed BtRR	thous	101.08						4.86	105.94		105.94
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
Fert Appl (Liquid)	12R-30		2.60	2.70	3.15			0.29	8.74	8.87	17.61
UAN + Sulfur (28%)	gal	101.35						3.48	104.83		104.83
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
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	500 bu		0.84	0.51	0.90			0.02	2.27	2.56	4.83
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		555.17	51.16	47.36	22.95	0.00	29.38	706.02	193.42	899.44	

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 25.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, BtRR, 16-row 30",
 Pivot irrigated, 235 bu yield goal, Non-Delta, 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	81.29	0.00	0.00	0.00	0.00	0.00	53.29	101.35	0.00	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	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	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	6.78	0.00	0.00	0.00	0.00	2.10	2.05	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	5.97	0.00	0.00	0.00	0.00	1.56	0.45	12.21	12.81	9.61	0.00	8.55
REPAIR & MAINTENANCE	5.55	0.00	0.00	0.00	0.00	3.84	0.20	21.17	1.99	1.49	0.00	13.12
INTEREST ON OP. CAP.	11.29	0.00	0.00	0.00	1.94	5.22	3.99	5.02	0.42	0.82	0.00	0.68
TOTAL DIRECT EXPENSES	148.44	0.00	0.00	0.00	37.33	113.80	100.69	151.16	15.42	40.26	0.00	98.92
NET INCOME	-148.44	0.00	0.00	0.00	-37.33	-113.80	-100.69	-151.16	-15.42	-40.26	0.00	956.23
NET INCOME TO DATE	-148.44	-148.44	-148.44	-148.44	-185.77	-299.57	-400.26	-551.42	-566.84	-607.10	-607.10	349.13

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.

* Lease costs are based on hourly usage costs.

Table 25.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, BtRR, 16-row 30",
 Pivot irrigated, 235 bu yield goal, Non-Delta, Mississippi, 2025

PRODUCT			PERCENT										
			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	-276 -469	-249 -443	-223 -416	-196 -390	-170 -363	-144 -337	-117 -311	-91 -284	-64 -258	-38 -232	-12 -205
60	141.00	bu	-203 -397	-172 -365	-140 -333	-108 -302	-77 -270	-45 -238	-13 -207	17 -175	49 -143	81 -112	112 -80
70	164.50	bu	-131 -324	-94 -287	-57 -251	-20 -214	16 -177	53 -140	90 -103	127 -66	163 -29	200 7	237 44
80	188.00	bu	-59 -252	-16 -210	25 -168	67 -125	109 -83	151 -41	194 0	236 42	278 85	320 127	362 169
90	211.50	bu	13 -180	60 -132	108 -85	155 -37	203 9	250 57	297 104	345 152	392 199	440 246	487 294
100	235.00	bu	85 -108	138 -55	190 -2	243 50	296 102	349 155	401 208	454 261	507 313	560 366	612 419
110	258.50	bu	157 -35	215 22	273 80	331 138	389 196	447 254	505 312	563 370	621 428	679 486	737 544
120	282.00	bu	229 36	293 99	356 163	419 226	483 289	546 353	609 416	673 479	736 542	799 606	862 669
130	305.50	bu	302 108	370 177	439 245	507 314	576 383	645 451	713 520	782 588	850 657	919 725	987 794
140	329.00	bu	374 181	448 254	522 328	596 402	669 476	743 550	817 624	891 698	965 771	1039 845	1113 919
150	352.50	bu	446 253	525 332	604 411	684 490	763 569	842 648	921 728	1000 807	1079 886	1158 965	1238 1044

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, no-tillage, BtRR, 12-row 30", 170 bu yield goal
 Non-irrigated, Non-Delta, 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	1.0000	7.50	_____
FERTILIZERS					
DAP	cwt	36.68	1.6300	59.79	_____
Potash (60% K2O)	cwt	27.09	1.2500	33.86	_____
Fert 10-34-0	gal	3.85	5.0000	19.25	_____
UAN (32%)	gal	2.41	43.8348	105.64	_____
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	6.4020	3.07	_____
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	28.0000	101.08	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
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	0.3616	6.76	_____
Harvesters	hour	18.69	0.1277	2.39	_____
HAND LABOR					
Implements	hour	9.06	0.1832	1.66	_____
UNALLOCATED LABOR	hour	18.70	0.4404	8.24	_____
DIESEL FUEL					
Tractors	gal	2.86	4.1883	11.98	_____
Harvesters	gal	2.86	1.7419	4.98	_____
REPAIR & MAINTENANCE					
Implements	acre	10.92	1.0000	10.92	_____
Tractors	acre	3.69	1.0000	3.69	_____
Harvesters	acre	6.16	1.0000	6.16	_____
INTEREST ON OP. CAP.	acre	23.34	1.0000	23.34	_____
TOTAL DIRECT EXPENSES				573.67	_____
FIXED EXPENSES					
Implements	acre	18.59	1.0000	18.59	_____
Tractors	acre	28.58	1.0000	28.58	_____
Harvesters	acre	29.49	1.0000	29.49	_____
TOTAL FIXED EXPENSES				76.66	_____
TOTAL SPECIFIED EXPENSES				650.33	_____

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 26.B Summary of estimated costs and returns per acre
 Corn, no-tillage, BtRR, 12-row 30", 170 bu yield goal
 Non-irrigated, Non-Delta, 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	15.55	1.0000	15.55	_____
FERTILIZERS	acre	218.54	1.0000	218.54	_____
HERBICIDES	acre	57.07	1.0000	57.07	_____
INSECTICIDES	acre	3.07	1.0000	3.07	_____
SEED/PLANTS	acre	101.08	1.0000	101.08	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
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	0.1832	1.66	_____
OPERATOR LABOR	hour	18.69	0.4893	9.15	_____
UNALLOCATED LABOR	hour	18.70	0.4404	8.24	_____
DIESEL FUEL	gal	2.86	5.9303	16.96	_____
REPAIR & MAINTENANCE	acre	20.77	1.0000	20.77	_____
INTEREST ON OP. CAP.	acre	23.34	1.0000	23.34	_____

TOTAL DIRECT EXPENSES				573.67	_____
RETURNS ABOVE DIRECT EXPENSES				189.63	_____
TOTAL FIXED EXPENSES				76.66	_____

TOTAL SPECIFIED EXPENSES				650.33	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				112.97	_____

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, no-tillage, BtRR, 12-row 30", 170 bu yield goal
 Non-irrigated, Non-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	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
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				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Mar		0.04	0.04	0.08	0.03
DAP	cwt					1.6300				
Potash (60% K2O)	cwt					1.2500				
NT Plant&Pre-Rigid	12R-30	MFWD 225	0.070	1.00	Mar		0.07	0.07	0.14	0.06
Corn Seed BtRR	thous					28.0000				
Fert 10-34-0	gal					5.0000				
Spray (Broadcast)	27'	MFWD 225	0.062	1.00	Apr		0.06	0.06	0.09	0.05
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Surfactant	pt					0.3000				
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	Apr		0.07	0.07	0.11	0.07
UAN (32%)	gal					43.8348				
Corn Consultant	acre			1.00	May	1.0000				
App by Air (3 gal)	appl			1.00	May	1.0000				
Bifenthrin	oz					6.4020				
Header - Corn	8R-30	265 hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Grain Cart Corn	500 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							0.48	0.48	0.67	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, no-tillage, BtRR, 12-row 30", 170 bu yield goal
 Non-irrigated, Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Soil Test	acre	3.33						0.27	3.60	3.60
Lime (Spread)	ton	34.23						2.82	37.05	37.05
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
Spin Spreader	5 ton		1.39	0.77	1.88			0.19	4.23	4.19
DAP	cwt	59.79						2.88	62.67	62.67
Potash (60% K2O)	cwt	33.86						1.63	35.49	35.49
NT Plant&Pre-Rigid	12R-30		2.34	3.37	3.15			0.43	9.29	11.98
Corn Seed BtRR	thous	101.08						4.86	105.94	105.94
Fert 10-34-0	gal	19.25						0.93	20.18	20.18
Spray (Broadcast)	27'		2.08	0.81	2.50			0.22	5.61	5.21
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
Fert Appl (Liquid)	12R-30		2.60	2.70	3.15			0.35	8.80	8.87
UAN (32%)	gal	105.64						4.36	110.00	110.00
Corn Consultant	acre	6.00						0.21	6.21	6.21
App by Air (3 gal)	appl	7.50						0.26	7.76	7.76
Bifenthrin	oz	3.07						0.11	3.18	3.18
Header - Corn	8R-30		4.98	9.38	4.54			0.13	19.03	35.53
Grain Cart Corn	500 bu		0.84	0.51	0.90			0.02	2.27	2.56
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
TOTALS		493.55	16.96	20.77	19.05	0.00	23.34	573.67	76.66	650.33

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 26.E Estimated monthly income and expense flows per acre
 Corn, no-tillage, BtRR, 12-row 30", 170 bu yield goal
 Non-irrigated, Non-Delta, 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	7.50	0.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	112.90	105.64	0.00	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	3.07	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
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	0.00	0.00	0.00	0.00	0.00	5.03	5.65	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	3.73	4.68	0.00	0.00	0.00	0.00	8.55
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	4.14	3.51	0.00	0.00	0.00	0.00	13.12
INTEREST ON OP. CAP.	3.09	0.00	0.00	0.00	1.94	10.92	6.24	0.58	0.00	0.00	0.00	0.57
TOTAL DIRECT EXPENSES	40.65	0.00	0.00	0.00	37.33	237.80	157.43	17.15	0.00	0.00	0.00	83.31
NET INCOME	-40.65	0.00	0.00	0.00	-37.33	-237.80	-157.43	-17.15	0.00	0.00	0.00	679.99
NET INCOME TO DATE	-40.65	-40.65	-40.65	-40.65	-77.98	-315.78	-473.21	-490.36	-490.36	-490.36	-490.36	189.63

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.

* Lease costs are based on hourly usage costs.

Table 26.F Estimated returns for various price/yield combinations, per acre
 Corn, no-tillage, BtRR, 12-row 30", 170 bu yield goal
 Non-irrigated, Non-Delta, 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
			-----dollars-----										
PERCENT	YIELD	UNIT											
50	85.00	bu	-260	-241	-222	-203	-184	-165	-146	-127	-108	-89	-70
			-337	-318	-299	-280	-261	-242	-223	-203	-184	-165	-146
60	102.00	bu	-208	-186	-163	-140	-117	-94	-71	-48	-25	-2	20
			-285	-262	-239	-216	-194	-171	-148	-125	-102	-79	-56
70	119.00	bu	-157	-130	-103	-76	-50	-23	3	29	56	83	110
			-233	-206	-180	-153	-126	-100	-73	-46	-19	6	33
80	136.00	bu	-105	-74	-44	-13	17	47	78	108	139	169	200
			-181	-151	-120	-90	-59	-29	1	31	62	93	123
90	153.00	bu	-53	-18	15	49	84	118	152	187	221	256	290
			-129	-95	-61	-26	7	41	76	110	144	179	213
100	170.00	bu	-1	36	75	113	151	189	227	265	304	342	380
			-77	-39	-1	36	74	112	151	189	227	265	303
110	187.00	bu	50	92	134	176	218	260	302	344	386	428	470
			-25	16	58	100	142	183	225	267	309	351	393
120	204.00	bu	102	148	194	240	285	331	377	423	469	514	560
			26	71	117	163	209	255	300	346	392	438	484
130	221.00	bu	154	204	253	303	353	402	452	501	551	601	650
			77	127	177	226	276	326	375	425	474	524	574
140	238.00	bu	206	260	313	366	420	473	527	580	634	687	740
			129	183	236	290	343	397	450	503	557	610	664
150	255.00	bu	258	315	373	430	487	544	601	659	716	773	830
			181	239	296	353	410	468	525	582	639	697	754

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, no-tillage, BtRR, 12-row 30", 235 bu yield goal
 Pivot Irrigated, Non-Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.0000	16.10	_____
App by Air (3 gal)	appl	7.50	1.0000	7.50	_____
FERTILIZERS					
DAP	cwt	36.68	1.6300	59.79	_____
Potash (60% K2O)	cwt	27.09	1.2500	33.86	_____
Fert 10-34-0	gal	3.85	5.0000	19.25	_____
UAN (32%)	gal	2.41	43.8348	105.64	_____
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	6.4020	3.07	_____
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	28.0000	101.08	_____
ADJUVANTS					
Surfactant	pt	3.30	0.6000	1.98	_____
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	0.3616	6.76	_____
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	0.1832	1.66	_____
UNALLOCATED LABOR					
	hour	18.70	0.4404	8.24	_____
DIESEL FUEL					
Tractors	gal	2.86	4.1883	11.98	_____
Harvesters	gal	2.86	1.7419	4.98	_____
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_____
REPAIR & MAINTENANCE					
Implements	acre	10.92	1.0000	10.92	_____
Tractors	acre	3.69	1.0000	3.69	_____
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	25.71	1.0000	25.71	_____
TOTAL DIRECT EXPENSES				675.55	_____
FIXED EXPENSES					
Implements	acre	18.59	1.0000	18.59	_____
Tractors	acre	28.58	1.0000	28.58	_____
Harvesters	acre	29.49	1.0000	29.49	_____
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_____
TOTAL FIXED EXPENSES				176.16	_____
TOTAL SPECIFIED EXPENSES				851.71	_____

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, no-tillage, BtRR, 12-row 30", 235 bu yield goal
 Pivot Irrigated, Non-Delta, 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	23.60	1.0000	23.60	_____
FERTILIZERS	acre	218.54	1.0000	218.54	_____
FUNGICIDES	acre	20.14	1.0000	20.14	_____
HERBICIDES	acre	57.07	1.0000	57.07	_____
INSECTICIDES	acre	3.07	1.0000	3.07	_____
SEED/PLANTS	acre	101.08	1.0000	101.08	_____
ADJUVANTS	acre	1.98	1.0000	1.98	_____
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	0.1832	1.66	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	18.69	0.4893	9.15	_____
UNALLOCATED LABOR	hour	18.70	0.4404	8.24	_____
DIESEL FUEL	gal	2.86	17.1314	48.99	_____
REPAIR & MAINTENANCE	acre	42.72	1.0000	42.72	_____
INTEREST ON OP. CAP.	acre	25.71	1.0000	25.71	_____

TOTAL DIRECT EXPENSES				675.55	_____
RETURNS ABOVE DIRECT EXPENSES				379.60	_____
TOTAL FIXED EXPENSES				176.16	_____

TOTAL SPECIFIED EXPENSES				851.71	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				203.44	_____

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 27.C Estimated resource use for field operations, per acre
 Corn, no-tillage, BtRR, 12-row 30", 235 bu yield goal
 Pivot Irrigated, Non-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	Oct	0.3330				
Lime (Spread)	ton			0.33	Oct	0.6660				
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				
Spin Spreader	5 ton	MFWD 225	0.042	1.00	Mar		0.04	0.04	0.08	0.03
DAP	cwt					1.6300				
Potash (60% K2O)	cwt					1.2500				
NT Plant&Pre-Rigid	12R-30	MFWD 225	0.070	1.00	Mar		0.07	0.07	0.14	0.06
Corn Seed BtRR	thous					28.0000				
Fert 10-34-0	gal					5.0000				
Spray (Broadcast)	27'	MFWD 225	0.062	1.00	Apr		0.06	0.06	0.09	0.05
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Surfactant	pt					0.3000				
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	Apr		0.07	0.07	0.11	0.07
UAN (32%)	gal					43.8348				
Corn Consultant	acre			1.00	May					
App by Air (3 gal)	appl			1.00	May					
Bifenthrin	oz					6.4020				
App by Air (5 gal)	appl			1.00	Jul					
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	500 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							0.48	0.48	0.87	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 27.D Estimated costs for field operations, per acre
 Corn, no-tillage, BtRR, 12-row 30", 235 bu yield goal
 Pivot Irrigated, Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Soil Test	acre	3.33						0.27	3.60	3.60
Lime (Spread)	ton	34.23						2.82	37.05	37.05
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
Spin Spreader	5 ton		1.39	0.77	1.88			0.19	4.23	4.19
DAP	cwt	59.79						2.88	62.67	62.67
Potash (60% K2O)	cwt	33.86						1.63	35.49	35.49
NT Plant&Pre-Rigid	12R-30		2.34	3.37	3.15			0.43	9.29	11.98
Corn Seed BtRR	thous	101.08						4.86	105.94	105.94
Fert 10-34-0	gal	19.25						0.93	20.18	20.18
Spray (Broadcast)	27'		2.08	0.81	2.50			0.22	5.61	5.21
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
Fert Appl (Liquid)	12R-30		2.60	2.70	3.15			0.35	8.80	8.87
UAN (32%)	gal	105.64						4.36	110.00	110.00
Corn Consultant	acre	6.00						0.21	6.21	6.21
App by Air (3 gal)	appl	7.50						0.26	7.76	7.76
Bifenthrin	oz	3.07						0.11	3.18	3.18
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
Grain Cart Corn	500 bu		0.84	0.51	0.90			0.02	2.27	2.56
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
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84			1.67	57.49	99.50
TOTALS			537.24	48.99	42.72	20.89	0.00	25.71	675.55	176.16

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.

Lime cost prorated for application every 3rd year.

Table 27.E Estimated monthly income and expense flows per acre
 Corn, no-tillage, BTRR, 12-row 30", 235 bu yield goal
 Pivot Irrigated, Non-Delta, 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	7.50	0.00	8.05	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	112.90	105.64	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	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	3.07	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
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	0.00	0.00	0.00	0.00	0.00	5.03	6.99	0.15	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	0.00	0.00	0.00	0.00	0.00	3.73	4.68	9.61	12.81	9.61	0.00	8.55
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	4.14	3.51	18.47	1.99	1.49	0.00	13.12
INTEREST ON OP. CAP.	3.09	0.00	0.00	0.00	1.94	10.92	6.29	1.55	0.42	0.82	0.00	0.68
TOTAL DIRECT EXPENSES	40.65	0.00	0.00	0.00	37.33	237.80	158.82	46.35	15.42	40.26	0.00	98.92
NET INCOME	-40.65	0.00	0.00	0.00	-37.33	-237.80	-158.82	-46.35	-15.42	-40.26	0.00	956.23
NET INCOME TO DATE	-40.65	-40.65	-40.65	-40.65	-77.98	-315.78	-474.60	-520.95	-536.37	-576.63	-576.63	379.60

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 27.F Estimated returns for various price/yield combinations, per acre
 Corn, no-tillage, BtRR, 12-row 30", 235 bu yield goal
 Pivot Irrigated, Non-Delta, 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	-245 -421	-219 -395	-192 -368	-166 -342	-140 -316	-113 -289	-87 -263	-60 -237	-34 -210	-8 -184	18 -157
60	141.00	bu	-173 -349	-141 -317	-109 -286	-78 -254	-46 -222	-14 -191	16 -159	48 -127	79 -96	111 -64	143 -32
70	164.50	bu	-100 -277	-64 -240	-27 -203	9 -166	46 -129	83 -92	120 -55	157 -18	194 18	231 55	268 92
80	188.00	bu	-28 -204	13 -162	55 -120	97 -78	140 -36	182 6	224 48	266 90	308 132	351 174	393 217
90	211.50	bu	43 -132	91 -85	138 -37	185 9	233 57	280 104	328 152	375 199	423 247	470 294	518 342
100	235.00	bu	115 -60	168 -7	221 45	274 97	326 150	379 203	432 256	485 308	537 361	590 414	643 467
110	258.50	bu	188 11	246 69	304 127	362 186	420 244	478 302	536 360	594 418	652 476	710 534	768 592
120	282.00	bu	260 84	323 147	386 210	450 274	513 337	576 400	640 464	703 527	766 590	830 653	893 717
130	305.50	bu	332 156	401 225	469 293	538 362	606 430	675 499	744 567	812 636	881 705	949 773	1018 842
140	329.00	bu	404 228	478 302	552 376	626 450	700 524	774 598	848 671	921 745	995 819	1069 893	1143 967
150	352.50	bu	477 300	556 380	635 459	714 538	793 617	872 696	951 775	1031 854	1110 934	1189 1013	1268 1092

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
 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 28.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 28.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 28.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	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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% K20)	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 28.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 28.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 -353	-270 -343	-259 -332	-248 -321	-238 -311	-227 -300	-216 -289	-206 -279	-195 -268	-184 -257	-174 -247
60	60.00	bu	-252 -325	-239 -312	-226 -299	-213 -287	-201 -274	-188 -261	-175 -248	-162 -235	-149 -222	-137 -210	-124 -197
70	70.00	bu	-223 -296	-208 -282	-193 -267	-179 -252	-164 -237	-149 -222	-134 -207	-119 -192	-104 -177	-89 -162	-74 -147
80	80.00	bu	-195 -268	-178 -251	-161 -234	-144 -217	-127 -200	-109 -183	-92 -165	-75 -148	-58 -131	-41 -114	-24 -97
90	90.00	bu	-166 -239	-147 -220	-128 -201	-109 -182	-89 -163	-70 -143	-51 -124	-32 -105	-13 -86	6 -67	25 -47
100	100.00	bu	-138 -211	-117 -190	-95 -168	-74 -147	-52 -126	-31 -104	-10 -83	11 -62	32 -40	53 -19	75 2
110	110.00	bu	-109 -182	-86 -159	-62 -135	-39 -112	-15 -89	7 -65	31 -42	54 -18	78 4	101 28	125 51
120	120.00	bu	-81 -154	-55 -128	-30 -103	-4 -77	21 -51	46 -26	72 -0	97 24	123 50	149 76	174 101
130	130.00	bu	-52 -125	-25 -98	2 -70	30 -42	58 -14	85 12	113 40	141 68	169 96	196 123	224 151
140	140.00	bu	-24 -97	5 -67	35 -37	65 -7	95 22	125 52	154 81	184 111	214 141	244 171	274 201
150	150.00	bu	4 -68	36 -36	68 -4	100 27	132 59	164 91	196 123	228 155	260 187	292 219	324 251

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 29.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 29.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 29.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 29.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	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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
Spin Spreader	5 ton		1.39	0.77	1.80			0.27	4.23	4.19
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
Grain Drill	30'		2.08	3.03	2.68			0.48	8.27	10.75
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
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 29.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 29.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
Wheat			4.70	5.01	5.32	5.64	5.95	6.27	6.58	6.89	7.21	7.52	7.83
			dollars										
PERCENT	YIELD	UNIT											
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 30.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 30.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 30.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	POWER 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 30.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	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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 30.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 30.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

			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	-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 31.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 31.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 31.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	POWER 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 Ptl&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 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 31.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-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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 Ptl&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 31.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 31.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 -376	-174 -350	-148 -324	-122 -298	-96 -272	-70 -246	-43 -220	-17 -193	8 -167	34 -141	60 -115
60	1.32	ton	-128 -304	-96 -272	-65 -241	-33 -210	-2 -178	28 -147	60 -116	91 -84	122 -53	154 -21	185 9
70	1.54	ton	-55 -231	-18 -194	17 -158	54 -121	90 -85	127 -48	164 -11	200 24	237 61	273 97	310 134
80	1.76	ton	17 -158	59 -116	100 -75	142 -33	184 8	226 50	268 92	309 133	351 175	393 217	435 259
90	1.98	ton	90 -86	137 -39	184 7	231 55	278 102	325 149	372 196	419 243	466 290	513 337	560 384
100	2.20	ton	162 -13	214 38	267 91	319 143	371 195	423 247	476 300	528 352	580 404	632 456	685 509
110	2.42	ton	235 59	292 116	350 174	407 231	465 289	522 346	580 404	637 461	695 519	752 576	810 634
120	2.64	ton	308 131	370 194	433 257	496 320	558 382	621 445	684 508	746 570	809 633	872 696	935 758
130	2.86	ton	380 204	448 272	516 340	584 408	652 476	720 544	788 612	856 680	924 748	992 815	1060 883
140	3.08	ton	453 277	526 350	599 423	672 496	746 569	819 643	892 716	965 789	1038 862	1111 935	1184 1008
150	3.30	ton	526 350	604 428	682 506	761 585	839 663	918 741	996 820	1074 898	1153 977	1231 1055	1309 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 32.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 32.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 32.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	POWER 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 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 32.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-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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 32.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 32.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
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 -350	-158 -324	-131 -297	-105 -271	-79 -245	-53 -219	-27 -193	-1 -167	24 -141	50 -115	77 -88
60	1.32	ton	-111 -277	-80 -246	-48 -214	-17 -183	13 -152	45 -120	76 -89	108 -58	139 -26	170 4	202 35
70	1.54	ton	-38 -204	-2 -168	34 -131	70 -95	107 -58	144 -21	180 14	217 51	253 87	290 124	326 160
80	1.76	ton	33 -132	75 -90	117 -48	159 -6	201 35	242 76	284 118	326 160	368 202	410 244	451 285
90	1.98	ton	106 -59	153 -12	200 34	247 81	294 128	341 175	388 222	435 269	482 316	529 363	576 410
100	2.20	ton	179 13	231 65	283 117	336 169	388 222	440 274	492 326	545 378	597 431	649 483	701 535
110	2.42	ton	251 85	309 143	366 200	424 258	481 315	539 373	596 430	654 488	711 545	769 603	826 660
120	2.64	ton	324 158	387 221	450 283	512 346	575 409	638 472	700 534	763 597	826 660	888 722	951 785
130	2.86	ton	397 231	465 299	533 367	601 435	669 502	736 570	804 638	872 706	940 774	1008 842	1076 910
140	3.08	ton	470 303	543 377	616 450	689 523	762 596	835 669	908 742	982 816	1055 889	1128 962	1201 1035
150	3.30	ton	542 376	621 455	699 533	777 611	856 690	934 768	1012 846	1091 925	1169 1003	1248 1082	1326 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 33.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 33.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 33.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 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 33.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-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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 33.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 33.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 -434	-157 -404	-128 -375	-98 -345	-68 -315	-39 -286	-9 -256	20 -226	50 -197	79 -167	109 -137
60	1.50	ton	-104 -352	-69 -316	-33 -280	1 -245	37 -209	73 -174	108 -138	144 -102	180 -67	215 -31	251 4
70	1.75	ton	-22 -269	19 -228	60 -186	102 -144	143 -103	185 -61	226 -20	268 21	310 62	351 104	393 145
80	2.00	ton	59 -187	107 -139	154 -92	202 -44	249 2	297 50	344 97	392 145	439 192	487 240	534 287
90	2.25	ton	142 -104	195 -51	249 2	302 55	356 109	409 162	463 215	516 269	569 322	623 376	676 429
100	2.50	ton	224 -22	284 37	343 96	403 155	462 215	521 274	581 334	640 393	699 452	759 512	818 571
110	2.75	ton	307 60	372 125	438 190	503 256	568 321	634 386	699 452	764 517	829 582	895 648	960 713
120	3.00	ton	389 142	461 213	532 285	603 356	674 427	746 498	817 570	888 641	959 712	1031 783	1102 855
130	3.25	ton	472 225	549 302	626 379	703 456	781 533	858 611	935 688	1012 765	1089 842	1167 919	1244 997
140	3.50	ton	554 307	638 390	721 473	804 557	887 640	970 723	1053 806	1136 889	1219 972	1303 1055	1386 1138
150	3.75	ton	637 390	726 479	815 568	904 657	993 746	1082 835	1171 924	1260 1013	1349 1102	1438 1191	1528 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				

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---		Total Direct	---Fixed---		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			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---	Total Direct	--Fixed--	Total Cost
			dollars	hours	years	hr/ac			Imp. P.U.	\$/acre	Imp. P.U.	
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	

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---		Total Direct	--Fixed--		Total Cost	
									Imp.	P.U.		Imp.	P.U.		
			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 Plt&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							

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---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			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	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANTS			Avaris oz 1.96		
Agri-Dex	pt	4.03	Avicta 500 Soybean	oz	2.14
AMS SuperMax	pt	3.81	Bravo Weather Stick	pt	3.49
Class Act NG	pt	5.00	Captan 4L	pt	4.50
Crop Oil Conc. (Pet.)	pt	2.86	Convoy	oz	1.02
Crop Oil Conc. (Veg.)	pt	2.90	Cotton Seed Trt.	acre	20.00
Dyne-A-Pak	pt	4.17	CruiserMaxx Vibrance	oz	4.46
Fire-Zone	pt	5.33	Elatus	oz	3.65
Herbimax	pt	2.75	Flint Extra	oz	10.11
Induce	pt	4.27	Headline EC	oz	1.32
MSO	pt	3.50	Miravis Ace	oz	1.48
Penetrator Plus	pt	2.18	Miravis Top	oz	1.46
Surfactant	pt	3.30	Priaxor Xemium	oz	4.26
CLEANING			Propimax EC	pt	18.20
Cleaning Peanuts	ton	18.00	Prosaro	oz	1.81
CROP CONSULTANT			Provost Optimum	oz	2.17
Corn Consultant	acre	6.00	Provost Silver	oz	1.52
Cotton Consultant	acre	8.00	Quadris	oz	1.70
Peanut Consultant	acre	9.25	Quadris Top	oz	3.20
Rice Consultant	acre	8.00	Quadris Top SBX	oz	3.68
Sorghum Consultant	acre	6.00	Quilt	pt	4.00
Soybeans Consultant	acre	6.50	Quilt XCEL	pt	26.69
Wheat Consultant	acre	5.50	Stratego	pt	22.50
CUSTOM FERTILIZE			Stratego YLD	oz	3.32
App Fert by Air	cwt	13.60	Tilt 3.6 EC	oz	0.87
App Fert by Air (Mi)	appl	13.60	Tilt/ Bravo SE	oz	0.87
Custom Apply Fert	acre	9.00	Trivapro	oz	1.47
CUSTOM LIME			GINNING		
Lime (Spread)	ton	51.39	Gin & Haul	lb	0.11
CUSTOM PLANT			GROWTH REGULATORS		
Custom Plant	acre	7.50	Mepex	oz	0.09
Custom Plant Air	cwt	8.43	Mepichlor 4.2%	oz	0.09
CUSTOM SPRAY			Mepiquat	oz	0.05
App by Air (3 gal)	appl	7.50	Mepstar 6	oz	0.53
App by Air (5 gal)	appl	8.05	Palisade	oz	1.48
App by Air (10 gal)	appl	9.50	Pentia	oz	0.41
Custom Spray Ground	acre	8.65	Pix WSG	oz	1.16
DRYING			Stance	oz	1.50
Dry Corn	bu	0.19	Veto	oz	0.07
Dry Grain Sorghum	cwt	0.25	HARVEST AIDS		
Dry Peanuts	ton	24.00	Adios	oz	0.99
Dry Rice	bu	0.40	Boll Buster	oz	0.34
ERADICATION FEE			Def/Folex	pt	7.75
Eradication	acre	1.00	Defol 5	gal	8.40
FERTILIZERS			Display	oz	10.59
Agrotain Ultra	pt	12.50	Ethephon 6E	pt	4.76
Amm Sulfate (21% N)	cwt	22.40	Finish 6	pt	11.17
Boron Plus	pt	3.77	Folex 6EC	pt	7.75
DAP	cwt	36.68	Freefall SC	oz	1.09
Fert 10-34-0	cwt	33.00	Ginstar EC	pt	29.72
Fert 10-34-0	gal	3.85	Gramoxone SL	oz	0.32
Fert 11-37-0	cwt	33.00	Sharpen	oz	7.46
Fert 41-0-0-4	cwt	38.00	Sodium Chlorate 5L	gal	8.40
Lime	ton	41.39	SuperBoll	oz	0.33
NBPT	pt	18.00	Thidiazuron 4lb	oz	1.09
Phosphorus (46% P2O5)	cwt	29.10	Tribufos 6lb	pt	14.70
Potash (60% K2O)	cwt	27.09	Vacate	oz	1.39
Sulfur Plus	pt	2.62	HAULING		
UAN (32% N)	cwt	21.78	Haul Corn	bu	0.31
UAN (32%)	gal	2.41	Haul Peanuts	ton	14.50
UAN + Sulfur (28%)	cwt	24.80	Haul Rice	bu	0.30
UAN + Sulfur (28%)	gal	2.76	Haul Sorghum	bu	0.35
Urea, Solid (46% N)	cwt	25.98	Haul Soybeans	bu	0.29
Zinc Plus	pt	3.63	Haul Wheat	bu	0.30
FUNGICIDES			HERBICIDES		
Abound	oz	1.29	2,4-D Amine 4	pt	2.23
Alfa Guard	lb	1.67	2,4-D Ester	pt	3.14
Allegiance Flowabl	oz	6.33	AAtrex 4L	pt	2.98
Ameristar Top	oz	2.76	Accent Q	oz	24.48
Approach Prima	pt	34.65	Acuron	oz	0.57
Apron Maxx RTA	oz	1.01			
Artisan	oz	0.70			

(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 Provisia	lb	1.32
Hero	oz	1.36	Rice Seed Max-Ace	lb	8.89
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	10.87
Rice	bu	Nov '25	6.16	-0.16	6.00	3.21	6.00
Wheat	bu	Jul '24	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 center pivot
 135-acre 1/4-mile pivot system, 7.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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
Well & Pump, 1/4 CP	each			3.50				0.12	3.62	14.26
Engine, 1/4 CP, 65	each									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

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

Appendix Table 9 Estimated costs for field operations, per acre
 Irrigation with a 1/4-mile center pivot system
 135-acre system, 7.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----						FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER		
-----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
Well & Pump, 1/4 CP	each			3.50			0.12	3.62	14.26
Engine, 1/4 CP, 65	each								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

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

Appendix Table 10 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-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----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.

Appendix Table 11 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-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----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.

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