

**DELTA
2010
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2009-06**

December 2009

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 2010 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.

Special appreciation is expressed to producers who provided information on crop practices used. Appreciation also is expressed to farm supply dealers, equipment dealers, custom operators, and chemical companies who provided prices for crop production inputs. The Mississippi Agricultural Statistics Service is commended for its excellence in collecting price and production practice data.

Acknowledgment is made to the Mississippi State University Extension Service, the Mississippi Agricultural and Forestry Experiment Station, and the United States Agricultural Research Service staffs for the excellent cooperation that made this report possible.

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

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2010 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. The Mississippi Agricultural Statistics Service conducts a survey of producers of major field crops in Mississippi. Data collected from producers are a part of the information used in selecting the practices included in each budget.

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 survey data from producers and/or 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 2007. (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 operation.

To estimate returns, a price for the commodity must be used. Individual producers must determine their own expected price for the commodity. Commodity prices used in this report represent the higher of a calculated forward contract price or the loan rate that was applicable for the 2009 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 month of 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 near contract month. These average futures prices and the basis adjustments are presented in Appendix Table 7.

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

Irrigation Costs

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

Net Returns

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

Enterprise Budgets

Table 1.A Estimated costs per acre
 Cotton, 8R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	26.10	1.5000	39.15	_____
UAN (32% N)	cwt	10.56	4.0000	42.24	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	52.5000	28.88	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	52.50	1.0000	52.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.1134	12.49	_____
Self-Propelled	hour	11.23	0.3018	3.39	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.2798	2.54	_____
UNALLOCATED LABOR					
	hour	11.25	1.1322	12.74	_____
DIESEL FUEL					
Tractors	gal	2.22	10.8888	24.18	_____
Self-Propelled	gal	2.22	5.0405	11.19	_____
REPAIR & MAINTENANCE					
Implements	acre	9.75	1.0000	9.75	_____
Tractors	acre	4.45	1.0000	4.45	_____
Self-Propelled	acre	13.47	1.0000	13.47	_____
INTEREST ON OP. CAP.	acre	9.26	1.0000	9.26	_____
TOTAL DIRECT EXPENSES				537.26	_____
FIXED EXPENSES					
Implements	acre	17.94	1.0000	17.94	_____
Tractors	acre	30.88	1.0000	30.88	_____
Self-Propelled	acre	58.91	1.0000	58.91	_____
TOTAL FIXED EXPENSES				107.73	_____
TOTAL SPECIFIED EXPENSES				644.99	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 1.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____

TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.7289	6.61	_____
OPERATOR LABOR	hour	11.23	1.4152	15.88	_____
UNALLOCATED LABOR	hour	11.25	1.1322	12.74	_____
DIESEL FUEL	gal	2.22	15.9294	35.37	_____
REPAIR & MAINTENANCE	acre	27.67	1.0000	27.67	_____
INTEREST ON OP. CAP.	acre	9.26	1.0000	9.26	_____

TOTAL DIRECT EXPENSES				537.26	_____
RETURNS ABOVE DIRECT EXPENSES				170.14	_____

TOTAL FIXED EXPENSES				107.73	_____

TOTAL SPECIFIED EXPENSES				644.99	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				62.41	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 1.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Paratill & Bed Fold.	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.5000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed BG/RR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Delta	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					8.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.41	1.11	2.14	1.13

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 1.D Estimated costs for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64			0.22	5.06	4.44	9.50
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Clarity	pt	6.07						0.18	6.25		6.25
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25		7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75			0.06	1.90	1.45	3.35
Custom Apply Fert	acre	7.00						0.21	7.21		7.21
Potash (60% K2O)	cwt	39.15						1.17	40.32		40.32
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.13	4.99	3.32	8.31
UAN (32% N)	cwt	21.12						0.55	21.67		21.67
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47	5.46
Plant & Pre-Rigid	8R-38		1.74	1.27	2.35			0.12	5.48	4.26	9.74
Cotton Seed BG/RR	thous	28.88						0.65	29.53		29.53
BG/RR Cot Tech Fee	cap/ac	52.50						1.18	53.68		53.68
Cotton Seed Trt.	acre	20.00						0.45	20.45		20.45
Insect Scouting	acre	7.00						0.16	7.16		7.16
Eradication Delta	acre	3.00						0.07	3.07		3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99	1.94
Dual Magnum	pt	12.46						0.28	12.74		12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20		7.20
Acephate 90%	lb	1.81						0.04	1.85		1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99	1.94
Centric 40WG	oz	9.58						0.18	9.76		9.76
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32	8.27
UAN (32% N)	cwt	21.12						0.40	21.52		21.52
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65			0.06	3.75	2.27	6.02
Diuron 80%	lb	4.55						0.07	4.62		4.62
Glyphosate 3lbs a.e.	oz	7.04						0.11	7.15		7.15
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Acephate 90%	lb	4.52						0.07	4.59		4.59
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Karate Z	oz	6.56						0.10	6.66		6.66
Bidrin 8WM	oz	6.96						0.10	7.06		7.06
Incidental Pest											
App by Air (3 gal)	appl	2.50						0.04	2.54		2.54
Incidental Pest Trt	acre	6.00						0.09	6.09		6.09
App by Air (3 gal)	appl	5.00						0.06	5.06		5.06
Acephate 90%	lb	6.16						0.07	6.23		6.23
App by Air (5 gal)	appl	6.00						0.05	6.05		6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32		5.32
Ethephon 6E	pt	3.79						0.03	3.82		3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50	0.97
Tribufos 6lb	pt	3.58						0.03	3.61		3.61
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55			0.12	31.10	56.43	87.53
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21			0.05	13.54	10.87	24.41
Module Builder-1st	4R-38(325)		5.60	3.32	7.55			0.06	16.53	12.34	28.87
Gin & Haul	lb	81.00						0.30	81.30		81.30
Stalk Shredder	14'		2.56	1.69	2.38			0.02	6.65	4.08	10.73
TOTALS		429.73	35.37	27.67	35.23	0.00	9.26	537.26	107.73	644.99	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 1.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

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	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	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	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	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	13.11	0.00	19.50	0.00	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	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	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	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	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.36	1.65	0.00	0.22	22.69
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	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.04	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.39	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.01	0.00	0.00	0.00	2.01	0.68	3.20	0.72	0.81	0.13	0.15	0.55
TOTAL DIRECT EXPENSES	23.35	0.00	0.00	0.00	69.11	26.66	145.10	38.97	54.39	11.29	19.27	149.12
NET INCOME	-23.35	0.00	0.00	0.00	-69.11	-26.66	-145.10	-38.97	-54.39	-11.29	-19.27	558.28
NET INCOME TO DATE	-23.35	-23.35	-23.35	-23.35	-92.46	-119.12	-264.22	-303.19	-357.58	-368.87	-388.14	170.14

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* 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
 BtRR variety, Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86		
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-179 -286	-163 -271	-147 -255	-132 -239	-116 -224	-101 -208	-85 -193	-69 -177	-54 -162	-38 -146	-23 -130
60	540.00	lb	-140 -248	-121 -229	-102 -210	-84 -191	-65 -173	-46 -154	-28 -135	-9 -117	9 -98	28 -79	46 -60
70	630.00	lb	-101 -209	-79 -187	-58 -165	-36 -143	-14 -122	7 -100	29 -78	51 -56	72 -34	94 -12	116 8
80	720.00	lb	-63 -170	-38 -145	-13 -120	11 -95	36 -71	61 -46	86 -21	111 3	136 28	161 53	186 78
90	810.00	lb	-24 -132	3 -104	31 -76	59 -47	87 -19	115 8	143 36	172 64	200 92	228 120	256 148
100	900.00	lb	14 -93	45 -62	76 -31	107 0	138 31	170 62	201 93	232 124	263 155	294 187	326 218
110	990.00	lb	52 -54	87 -20	121 13	155 48	190 82	224 116	258 150	292 185	327 219	361 253	395 288
120	1080.00	lb	91 -16	128 21	166 58	203 96	241 133	278 170	316 208	353 245	390 283	428 320	465 358
130	1170.00	lb	130 22	170 62	211 103	251 144	292 184	332 225	373 265	413 306	454 346	495 387	535 427
140	1260.00	lb	168 61	212 104	256 148	299 192	343 235	387 279	430 323	474 366	518 410	561 454	605 497
150	1350.00	lb	207 99	254 146	301 193	347 240	394 286	441 333	488 380	534 427	581 473	628 520	675 567

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 2009 input prices.

Table 2.A Estimated costs per acre
 Cotton, 8R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	3.2500	16.25	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	26.10	1.5000	39.15	_____
UAN (32% N)	cwt	10.56	4.0000	42.24	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	128.0000	28.16	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	0.5000	1.64	_____
Bidrin 8WM	oz	0.87	2.0000	1.74	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
TECHNOLOGY FEE					
BG II/RRF Tech Fee	cap/ac	67.50	1.0000	67.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.1134	12.49	_____
Self-Propelled	hour	11.23	0.3018	3.39	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.2798	2.54	_____
UNALLOCATED LABOR					
	hour	11.25	1.1322	12.74	_____
DIESEL FUEL					
Tractors	gal	2.22	10.8888	24.18	_____
Self-Propelled	gal	2.22	5.0405	11.19	_____
REPAIR & MAINTENANCE					
Implements	acre	9.75	1.0000	9.75	_____
Tractors	acre	4.45	1.0000	4.45	_____
Self-Propelled	acre	13.47	1.0000	13.47	_____
INTEREST ON OP. CAP.	acre	9.00	1.0000	9.00	_____
TOTAL DIRECT EXPENSES				524.77	_____
FIXED EXPENSES					
Implements	acre	17.94	1.0000	17.94	_____
Tractors	acre	30.88	1.0000	30.88	_____
Self-Propelled	acre	58.91	1.0000	58.91	_____
TOTAL FIXED EXPENSES				107.73	_____
TOTAL SPECIFIED EXPENSES				632.50	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 2.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____

TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	28.25	1.0000	28.25	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	51.24	1.0000	51.24	_____
INSECTICIDES	acre	37.45	1.0000	37.45	_____
TECHNOLOGY FEE	acre	67.50	1.0000	67.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.7289	6.61	_____
OPERATOR LABOR	hour	11.23	1.4152	15.88	_____
UNALLOCATED LABOR	hour	11.25	1.1322	12.74	_____
DIESEL FUEL	gal	2.22	15.9294	35.37	_____
REPAIR & MAINTENANCE	acre	27.67	1.0000	27.67	_____
INTEREST ON OP. CAP.	acre	9.00	1.0000	9.00	_____

TOTAL DIRECT EXPENSES				524.77	_____
RETURNS ABOVE DIRECT EXPENSES				182.63	_____

TOTAL FIXED EXPENSES				107.73	_____

TOTAL SPECIFIED EXPENSES				632.50	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				74.90	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 2.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Paratill & Bed Fold.	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.5000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
xxxCotton Seed BGRRF	thous					52.5000				
BG II/RRF Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Delta	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					8.0000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
Incidental Pest Trt	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.41	1.11	2.14	1.13

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 2.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
BGII/Flex variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64			0.22	5.06	4.44	9.50
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Clarity	pt	6.07						0.18	6.25		6.25
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25		7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75			0.06	1.90	1.45	3.35
Custom Apply Fert	acre	7.00						0.21	7.21		7.21
Potash (60% K2O)	cwt	39.15						1.17	40.32		40.32
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.13	4.99	3.32	8.31
UAN (32% N)	cwt	21.12						0.55	21.67		21.67
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47	5.46
Plant & Pre-Rigid	8R-38		1.74	1.27	2.35			0.12	5.48	4.26	9.74
xxxCotton Seed BGRRF	thous										
BG II/RRF Tech Fee	cap/ac	67.50						1.52	69.02		69.02
Cotton Seed Trt.	acre	20.00						0.45	20.45		20.45
Insect Scouting	acre	7.00						0.16	7.16		7.16
Eradication Delta	acre	3.00						0.07	3.07		3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99	1.94
Dual Magnum	pt	12.46						0.28	12.74		12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20		7.20
Acephate 90%	lb	1.81						0.04	1.85		1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99	1.94
Centric 40WG	oz	9.58						0.18	9.76		9.76
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
Glyphosate 3lbs a.e.	oz	7.04						0.13	7.17		7.17
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32	8.27
UAN (32% N)	cwt	21.12						0.40	21.52		21.52
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65			0.06	3.75	2.27	6.02
Diuron 80%	lb	4.55						0.07	4.62		4.62
Glyphosate 3lbs a.e.	oz	7.04						0.11	7.15		7.15
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Acephate 90%	lb	4.52						0.07	4.59		4.59
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
App by Air (3 gal)	appl	1.25						0.02	1.27		1.27
Karate Z	oz	1.64						0.02	1.66		1.66
Bidrin 8WM	oz	1.74						0.03	1.77		1.77
Incidental Pest											
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Incidental Pest Trt	acre	12.00						0.18	12.18		12.18
App by Air (3 gal)	appl	5.00						0.06	5.06		5.06
Acephate 90%	lb	6.16						0.07	6.23		6.23
App by Air (5 gal)	appl	6.00						0.05	6.05		6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32		5.32
Ethephon 6E	pt	3.79						0.03	3.82		3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50	0.97
Tribufos 6lb	pt	3.58						0.03	3.61		3.61
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55			0.12	31.10	56.43	87.53
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21			0.05	13.54	10.87	24.41
Module Builder-1st	4R-38(325)		5.60	3.32	7.55			0.06	16.53	12.34	28.87
Gin & Haul	lb	81.00						0.30	81.30		81.30
Stalk Shredder	14'		2.56	1.69	2.38			0.02	6.65	4.08	10.73
TOTALS		417.50	35.37	27.67	35.23	0.00	9.00	524.77	107.73	632.50	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 2.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

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	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	11.25	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	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	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	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	13.11	0.00	19.50	7.04	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	19.90	6.16	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.50	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	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	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	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.36	1.65	0.00	0.22	22.69
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	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.04	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.39	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.01	0.00	0.00	0.00	2.01	0.68	2.89	0.85	0.73	0.13	0.15	0.55
TOTAL DIRECT EXPENSES	23.35	0.00	0.00	0.00	69.11	26.66	130.91	46.14	48.92	11.29	19.27	149.12
NET INCOME	-23.35	0.00	0.00	0.00	-69.11	-26.66	-130.91	-46.14	-48.92	-11.29	-19.27	558.28
NET INCOME TO DATE	-23.35	-23.35	-23.35	-23.35	-92.46	-119.12	-250.03	-296.17	-345.09	-356.38	-375.65	182.63

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 2.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

PRODUCT	PERCENT													
	75	80	85	90	95	100	105	110	115	120	125			
	PRODUCT PRICE													
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86			
PERCENT	YIELD	UNIT	dollars											
50	450.00	lb	-166	-150	-135	-119	-104	-88	-72	-57	-41	-26	-10	
			-274	-258	-243	-227	-211	-196	-180	-165	-149	-133	-118	
60	540.00	lb	-127	-109	-90	-71	-53	-34	-15	3	21	40	59	
			-235	-216	-198	-179	-160	-142	-123	-104	-85	-67	-48	
70	630.00	lb	-89	-67	-45	-23	-1	19	41	63	85	107	129	
			-196	-175	-153	-131	-109	-87	-65	-44	-22	-0	21	
80	720.00	lb	-50	-25	-0	24	49	74	99	124	148	173	198	
			-158	-133	-108	-83	-58	-33	-8	16	41	66	91	
90	810.00	lb	-11	16	44	72	100	128	156	184	212	240	268	
			-119	-91	-63	-35	-7	20	48	76	104	132	160	
100	900.00	lb	26	57	89	120	151	182	213	245	276	307	338	
			-81	-49	-18	12	43	74	106	137	168	199	230	
110	990.00	lb	65	99	133	168	202	236	271	305	339	374	408	
			-42	-8	26	60	94	129	163	197	232	266	300	
120	1080.00	lb	104	141	178	216	253	291	328	365	403	440	478	
			-3	33	71	108	145	183	220	258	295	333	370	
130	1170.00	lb	142	183	223	264	304	345	385	426	466	507	548	
			34	75	115	156	197	237	278	318	359	399	440	
140	1260.00	lb	181	224	268	312	355	399	443	486	530	574	617	
			73	117	160	204	248	291	335	379	422	466	510	
150	1350.00	lb	219	266	313	360	407	453	500	547	594	640	687	
			112	158	205	252	299	346	392	439	486	533	579	

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 2009 input prices.

Table 3.A Estimated costs per acre
Cotton, 8R-38" solid, no-till
BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Amm Nitrate (34% N)	cwt	14.23	2.0000	28.46	_____
Potash (60% K2O)	cwt	26.10	1.5000	39.15	_____
UAN (32% N)	cwt	10.56	2.0000	21.12	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	52.5000	28.88	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	52.50	1.0000	52.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.9212	10.33	_____
Self-Propelled	hour	11.23	0.3018	3.39	_____
HAND LABOR					
Implements	hour	9.06	0.4136	3.75	_____
Self-Propelled	hour	9.06	0.2798	2.54	_____
UNALLOCATED LABOR					
	hour	11.25	0.9785	11.01	_____
DIESEL FUEL					
Tractors	gal	2.22	9.0100	20.02	_____
Self-Propelled	gal	2.22	5.0405	11.19	_____
REPAIR & MAINTENANCE					
Implements	acre	7.71	1.0000	7.71	_____
Tractors	acre	3.69	1.0000	3.69	_____
Self-Propelled	acre	13.47	1.0000	13.47	_____
INTEREST ON OP. CAP.	acre	9.21	1.0000	9.21	_____
TOTAL DIRECT EXPENSES				533.38	_____
FIXED EXPENSES					
Implements	acre	14.50	1.0000	14.50	_____
Tractors	acre	25.55	1.0000	25.55	_____
Self-Propelled	acre	58.91	1.0000	58.91	_____
TOTAL FIXED EXPENSES				98.96	_____
TOTAL SPECIFIED EXPENSES				632.34	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 3.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, no-till
 BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____

TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	88.73	1.0000	88.73	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.6934	6.29	_____
OPERATOR LABOR	hour	11.23	1.2231	13.72	_____
UNALLOCATED LABOR	hour	11.25	0.9785	11.01	_____
DIESEL FUEL	gal	2.22	14.0506	31.21	_____
REPAIR & MAINTENANCE	acre	24.87	1.0000	24.87	_____
INTEREST ON OP. CAP.	acre	9.21	1.0000	9.21	_____

TOTAL DIRECT EXPENSES				533.38	_____
RETURNS ABOVE DIRECT EXPENSES				174.02	_____
TOTAL FIXED EXPENSES					
				98.96	_____

TOTAL SPECIFIED EXPENSES				632.34	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				75.06	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 3.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, no-till
 BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	POWER IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Nov	0.5000				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Custom Apply Fert	acre			1.00	Mar	1.0000				
Amm Nitrate (34% N)	cwt					2.0000				
Potash (60% K2O)	cwt					1.5000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant&Pre-Rigid	8R-38	MFWD 190	0.083	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed BG/RR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Delta	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					8.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.22	0.92	1.91	0.97

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 3.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, no-till
BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
App by Air (5 gal)	appl	6.00						0.18	6.18	6.18
Clarity	pt	6.07						0.18	6.25	6.25
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25	7.25
Custom Apply Fert	acre	7.00						0.21	7.21	7.21
Amm Nitrate (34% N)	cwt	28.46						0.85	29.31	29.31
Potash (60% K2O)	cwt	39.15						1.17	40.32	40.32
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47 5.46
NT Plant&Pre-Rigid	8R-38		1.82	1.46	2.45			0.13	5.86	4.70 10.56
Cotton Seed BG/RR	thous	28.88						0.65	29.53	29.53
BG/RR Cot Tech Fee	cap/ac	52.50						1.18	53.68	53.68
Cotton Seed Trt.	acre	20.00						0.45	20.45	20.45
Insect Scouting	acre	7.00						0.16	7.16	7.16
Eradication Delta	acre	3.00						0.07	3.07	3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99 1.94
Dual Magnum	pt	12.46						0.28	12.74	12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20	7.20
Acephate 90%	lb	1.81						0.04	1.85	1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99 1.94
Centric 40WG	oz	9.58						0.18	9.76	9.76
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32 8.27
UAN (32% N)	cwt	21.12						0.40	21.52	21.52
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65			0.07	3.76	2.27 6.03
Diuron 80%	lb	4.55						0.09	4.64	4.64
Glyphosate 3lbs a.e.	oz	7.04						0.13	7.17	7.17
App by Air (3 gal)	appl	5.00						0.07	5.07	5.07
Acephate 90%	lb	4.52						0.07	4.59	4.59
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
App by Air (3 gal)	appl	5.00						0.07	5.07	5.07
Karate Z	oz	6.56						0.10	6.66	6.66
Bidrin 8WM	oz	6.96						0.10	7.06	7.06
Incidental Pest										
App by Air (3 gal)	appl	2.50						0.04	2.54	2.54
Incidental Pest Trt	acre	6.00						0.09	6.09	6.09
App by Air (3 gal)	appl	5.00						0.06	5.06	5.06
Acephate 90%	lb	6.16						0.07	6.23	6.23
App by Air (5 gal)	appl	6.00						0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32	5.32
Ethephon 6E	pt	3.79						0.03	3.82	3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50 0.97
Tribufos 6lb	pt	3.58						0.03	3.61	3.61
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55			0.12	31.10	56.43 87.53
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21			0.05	13.54	10.87 24.41
Module Builder-1st	4R-38(325)		5.60	3.32	7.55			0.06	16.53	12.34 28.87
Gin & Haul	lb	81.00						0.30	81.30	81.30
Stalk Shredder	14'		2.56	1.69	2.38			0.02	6.65	4.08 10.73
TOTALS		437.07	31.21	24.87	31.02	0.00	9.21	533.38	98.96	632.34

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 3.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, no-till
 BtRR variety, Delta Area, Mississippi, 2010

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	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	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	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	67.61	0.00	0.00	21.12	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	13.11	0.00	19.50	11.59	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	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	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	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	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.10	4.01	0.00	0.00	0.22	22.69
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	3.47	3.49	0.00	0.00	0.18	24.07
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.98	0.00	0.00	0.07	20.81
INTEREST ON OP. CAP.	0.79	0.00	0.00	0.00	2.80	0.00	3.21	1.01	0.57	0.13	0.15	0.55
TOTAL DIRECT EXPENSES	18.29	0.00	0.00	0.00	96.52	0.00	145.48	54.54	38.87	11.29	19.27	149.12
NET INCOME	-18.29	0.00	0.00	0.00	-96.52	0.00	-145.48	-54.54	-38.87	-11.29	-19.27	558.28
NET INCOME TO DATE	-18.29	-18.29	-18.29	-18.29	-114.81	-114.81	-260.29	-314.83	-353.70	-364.99	-384.26	174.02

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, no-till
 BtRR variety, Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86		
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-175 -274	-159 -258	-143 -242	-128 -227	-112 -211	-97 -196	-81 -180	-65 -164	-50 -149	-34 -133	-19 -118
60	540.00	lb	-136 -235	-117 -216	-99 -198	-80 -179	-61 -160	-42 -141	-24 -123	-5 -104	13 -85	31 -67	50 -48
70	630.00	lb	-97 -196	-76 -174	-54 -153	-32 -131	-10 -109	11 -87	33 -65	54 -44	76 -22	98 -0	120 21
80	720.00	lb	-59 -158	-34 -133	-9 -108	15 -83	40 -58	65 -33	90 -8	115 16	140 41	165 66	190 91
90	810.00	lb	-20 -119	7 -91	35 -63	63 -35	91 -7	119 20	147 48	175 76	203 105	232 133	260 161
100	900.00	lb	18 -80	49 -49	80 -18	111 12	142 43	174 75	205 106	236 137	267 168	298 199	329 230
110	990.00	lb	56 -42	91 -7	125 26	159 60	193 94	228 129	262 163	296 197	331 232	365 266	399 300
120	1080.00	lb	95 -3	132 33	170 71	207 108	245 146	282 183	319 220	357 258	394 295	432 333	469 370
130	1170.00	lb	134 35	174 75	215 116	255 156	296 197	336 237	377 278	417 318	458 359	498 399	539 440
140	1260.00	lb	172 73	216 117	260 161	303 204	347 248	390 292	434 335	478 379	521 422	565 466	609 510
150	1350.00	lb	211 112	258 159	304 205	351 252	398 299	445 346	491 393	538 439	585 486	632 533	679 580

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 4.A Estimated costs per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	811.0000	72.99	_____
FERTILIZERS					
Potash (60% K2O)	cwt	26.10	1.3500	35.24	_____
UAN (32% N)	cwt	10.56	3.6000	38.02	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	74.8800	16.47	_____
Dual Magnum	pt	12.46	0.6700	8.35	_____
Diuron 80%	lb	4.55	0.6700	3.05	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	1.3400	6.42	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	35.0000	19.25	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	thous	1.13	35.0000	39.55	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	10.7200	2.36	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.8722	9.80	_____
Self-Propelled	hour	11.23	0.1987	2.24	_____
HAND LABOR					
Implements	hour	9.06	0.3442	3.10	_____
Self-Propelled	hour	9.06	0.1855	1.68	_____
UNALLOCATED LABOR					
	hour	11.22	0.8567	9.62	_____
DIESEL FUEL					
Tractors	gal	2.22	8.5299	18.95	_____
Self-Propelled	gal	2.22	3.3422	7.42	_____
REPAIR & MAINTENANCE					
Implements	acre	8.68	1.0000	8.68	_____
Tractors	acre	3.50	1.0000	3.50	_____
Self-Propelled	acre	9.72	1.0000	9.72	_____
INTEREST ON OP. CAP.	acre	7.87	1.0000	7.87	_____
TOTAL DIRECT EXPENSES				452.42	_____
FIXED EXPENSES					
Implements	acre	15.62	1.0000	15.62	_____
Tractors	acre	24.16	1.0000	24.16	_____
Self-Propelled	acre	42.43	1.0000	42.43	_____
TOTAL FIXED EXPENSES				82.21	_____
TOTAL SPECIFIED EXPENSES				534.63	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 4.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	811.0000	562.02	_____
Cotton Seed	lb	0.06	1217.0000	75.45	_____

TOTAL INCOME				637.47	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	72.99	1.0000	72.99	_____
FERTILIZERS	acre	73.26	1.0000	73.26	_____
FUNGICIDES	acre	13.40	1.0000	13.40	_____
HERBICIDES	acre	33.95	1.0000	33.95	_____
INSECTICIDES	acre	38.43	1.0000	38.43	_____
SEED/PLANTS	acre	19.25	1.0000	19.25	_____
TECHNOLOGY FEE	acre	39.55	1.0000	39.55	_____
GROWTH REGULATORS	acre	2.36	1.0000	2.36	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.5297	4.78	_____
OPERATOR LABOR	hour	11.23	1.0709	12.04	_____
UNALLOCATED LABOR	hour	11.22	0.8567	9.62	_____
DIESEL FUEL	gal	2.22	11.8721	26.37	_____
REPAIR & MAINTENANCE	acre	21.90	1.0000	21.90	_____
INTEREST ON OP. CAP.	acre	7.87	1.0000	7.87	_____

TOTAL DIRECT EXPENSES				452.42	_____
RETURNS ABOVE DIRECT EXPENSES				185.05	_____
TOTAL FIXED EXPENSES					
				82.21	_____

TOTAL SPECIFIED EXPENSES				534.63	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				102.84	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 4.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Paratill & Bed Fold.	8R-38 2x1	MFWD 190	0.053	1.00	Nov		0.05	0.05	0.05	0.04
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	0.049	0.50	Mar		0.02	0.02	0.02	0.01
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.3500				
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					1.8000				
Row Cond Folding	38'	MFWD 190	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant & Pre-Folding	8R-38 2x1	MFWD 190	0.053	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed BG/RR	thous					35.0000				
BG/RR Cot Tech Fee	thous					35.0000				
Cotton Seed Trt.	acre					0.6700				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Delta	acre					1.0000				
Spray (Direct/Layby)	8R-38 2x1	MFWD 190	0.044	1.00	May		0.04	0.04	0.06	0.03
Dual Magnum	pt					0.6700				
Glyphosate 3lbs a.e.	oz					21.4400				
Acephate 90%	lb					0.2200				
Spray (Direct/Layby)	8R-38 2x1	MFWD 190	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Sprayer 600-750gal	60' 175hp		0.017					0.01	0.02	0.01
Centric 40WG	oz					1.3400				
Mepiquat Chloride	oz					5.3600				
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38 2x1	MFWD 190	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Diuron 80%	lb					0.6700				
Glyphosate 3lbs a.e.	oz					21.4400				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					5.3600				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R2x1(350)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy-1st pick	4R2x1(350)	MFWD 190	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder-1st	4R2x1(350)	MFWD 190	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	811.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.07	0.87	1.60	0.85

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 4.D Estimated costs for field operations, per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Paratill & Bed Fold.	8R-38 2x1		1.17	1.22	1.08			0.16	3.63	3.44	7.07
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Clarity	pt	6.07						0.18	6.25		6.25
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25		7.25
Disk Bed (Hipper)	8R-38 2x1		0.54	0.24	0.50			0.04	1.32	1.10	2.42
Custom Apply Fert	acre	7.00						0.21	7.21		7.21
Potash (60% K2O)	cwt	35.24						1.06	36.30		36.30
Fert Appl (Liquid)	8R-38 2x1		1.12	0.78	1.27			0.08	3.25	2.13	5.38
UAN (32% N)	cwt	19.01						0.50	19.51		19.51
Row Cond Folding	38'		0.89	0.37	0.83			0.05	2.14	2.13	4.27
Plant & Pre-Folding	8R-38 2x1		1.16	1.44	1.56			0.09	4.25	4.09	8.34
Cotton Seed BG/RR	thous	19.25						0.43	19.68		19.68
BG/RR Cot Tech Fee	thous	39.55						0.89	40.44		40.44
Cotton Seed Trt.	acre	13.40						0.30	13.70		13.70
Insect Scouting	acre	7.00						0.16	7.16		7.16
Eradication Delta	acre	3.00						0.07	3.07		3.07
Spray (Direct/Layby)	8R-38 2x1		0.97	0.55	1.10			0.06	2.68	1.72	4.40
Dual Magnum	pt	8.35						0.19	8.54		8.54
Glyphosate 3lbs a.e.	oz	4.72						0.11	4.83		4.83
Acephate 90%	lb	1.81						0.04	1.85		1.85
Spray (Direct/Layby)	8R-38 2x1		0.97	0.55	1.10			0.05	2.67	1.72	4.39
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99	1.94
Centric 40WG	oz	6.42						0.12	6.54		6.54
Mepiquat Chloride	oz	1.18						0.02	1.20		1.20
Fert Appl (Liquid)	8R-38 2x1		1.12	0.78	1.27			0.06	3.23	2.13	5.36
UAN (32% N)	cwt	19.01						0.36	19.37		19.37
Spray (Direct/Layby)	8R-38 2x1		0.97	0.55	1.10			0.04	2.66	1.72	4.38
Diuron 80%	lb	3.05						0.05	3.10		3.10
Glyphosate 3lbs a.e.	oz	4.72						0.07	4.79		4.79
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Acephate 90%	lb	4.52						0.07	4.59		4.59
Mepiquat Chloride	oz	1.18						0.02	1.20		1.20
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Karate Z	oz	6.56						0.10	6.66		6.66
Bidrin 8WM	oz	6.96						0.10	7.06		7.06
Incidental Pest											
App by Air (3 gal)	appl	2.50						0.04	2.54		2.54
Incidental Pest Trt	acre	6.00						0.09	6.09		6.09
App by Air (3 gal)	appl	5.00						0.06	5.06		5.06
Acephate 90%	lb	6.16						0.07	6.23		6.23
App by Air (5 gal)	appl	6.00						0.05	6.05		6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32		5.32
Ethephon 6E	pt	3.79						0.03	3.82		3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50	0.97
Tribufos 6lb	pt	3.58						0.03	3.61		3.61
Cotton Picker-1st-BB	4R2x1(350)		6.89	9.51	5.05			0.08	21.53	40.94	62.47
Boll Buggy-1st pick	4R2x1(350)		3.74	1.79	3.49			0.03	9.05	7.27	16.32
Module Builder-1st	4R2x1(350)		3.74	2.22	5.05			0.04	11.05	8.25	19.30
Gin & Haul	lb	72.99						0.27	73.26		73.26
Stalk Shredder	14'		2.56	1.69	2.38			0.02	6.65	4.08	10.73
TOTALS		369.84	26.37	21.90	26.44	0.00	7.87	452.42	82.21	534.63	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 4.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, BtRR variety, Delta Area, Mississippi, 2010

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	637.47
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	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	72.99
FERTILIZERS	0.00	0.00	0.00	0.00	35.24	19.01	0.00	19.01	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.40	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.11	0.00	13.07	0.00	7.77	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	6.42	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	19.25	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	39.55	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	1.18	1.18	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	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	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.08	0.00	0.00	0.00	0.50	1.27	3.49	2.81	1.10	0.00	0.22	15.97
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	1.17	0.00	0.00	0.00	0.54	1.12	3.02	2.44	0.97	0.00	0.18	16.93
REPAIR & MAINTENANCE	1.22	0.00	0.00	0.00	0.24	0.78	2.36	1.47	0.55	0.00	0.07	15.21
INTEREST ON OP. CAP.	0.95	0.00	0.00	0.00	1.88	0.58	2.39	0.63	0.72	0.13	0.15	0.44
TOTAL DIRECT EXPENSES	21.92	0.00	0.00	0.00	64.51	22.76	108.34	33.96	48.83	11.29	19.27	121.54
NET INCOME	-21.92	0.00	0.00	0.00	-64.51	-22.76	-108.34	-33.96	-48.83	-11.29	-19.27	515.93
NET INCOME TO DATE	-21.92	-21.92	-21.92	-21.92	-86.43	-109.19	-217.53	-251.49	-300.32	-311.61	-330.88	185.05

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 4.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, BtRR variety, Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86		
PERCENT	YIELD	UNIT	dollars										
50	405.50	lb	-129	-115	-101	-87	-73	-59	-45	-31	-17	-3	10
			-211	-197	-183	-169	-155	-141	-127	-113	-99	-85	-71
60	486.60	lb	-94	-77	-61	-44	-27	-10	6	23	40	56	73
			-176	-160	-143	-126	-109	-92	-75	-58	-42	-25	-8
70	567.70	lb	-59	-40	-20	-0	18	38	58	77	97	117	136
			-142	-122	-102	-83	-63	-43	-24	-4	15	34	54
80	648.80	lb	-25	-2	19	42	64	87	109	132	154	177	199
			-107	-84	-62	-39	-17	5	27	50	72	95	117
90	729.90	lb	9	35	60	85	110	136	161	186	212	237	262
			-72	-47	-21	3	28	53	79	104	129	155	180
100	811.00	lb	44	72	100	128	156	185	213	241	269	297	325
			-37	-9	18	46	74	102	130	159	187	215	243
110	892.10	lb	79	110	141	172	203	233	264	295	326	357	388
			-2	28	58	89	120	151	182	213	244	275	306
120	973.20	lb	114	147	181	215	249	282	316	350	383	417	451
			31	65	99	133	166	200	234	268	301	335	369
130	1054.30	lb	149	185	222	258	295	331	368	404	441	477	514
			66	103	139	176	212	249	286	322	359	395	432
140	1135.40	lb	183	223	262	301	341	380	419	459	498	537	577
			101	140	180	219	259	298	337	377	416	455	495
150	1216.50	lb	218	260	302	345	387	429	471	513	555	598	640
			136	178	220	262	305	347	389	431	473	515	557

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 2009 input prices.

Table 5.A Estimated costs per acre
 Cotton, 8R-38" solid, conservation tillage
 RR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	5.5000	27.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	26.10	1.5000	39.15	_____
UAN (32% N)	cwt	10.56	4.0000	42.24	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Tracer 4SC	oz	7.30	5.1120	37.32	_____
Karate Z	oz	3.28	6.0000	19.68	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
TECHNOLOGY FEE					
RR Cotton Tech Fee	cap/ac	35.50	1.0000	35.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.1134	12.49	_____
Self-Propelled	hour	11.23	0.3089	3.47	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.2833	2.57	_____
UNALLOCATED LABOR	hour	11.24	1.1378	12.80	_____
DIESEL FUEL					
Tractors	gal	2.22	10.8888	24.18	_____
Self-Propelled	gal	2.22	5.1040	11.33	_____
REPAIR & MAINTENANCE					
Implements	acre	9.75	1.0000	9.75	_____
Tractors	acre	4.45	1.0000	4.45	_____
Self-Propelled	acre	13.53	1.0000	13.53	_____
INTEREST ON OP. CAP.	acre	9.06	1.0000	9.06	_____
TOTAL DIRECT EXPENSES				551.99	_____
FIXED EXPENSES					
Implements	acre	17.94	1.0000	17.94	_____
Tractors	acre	30.88	1.0000	30.88	_____
Self-Propelled	acre	59.31	1.0000	59.31	_____
TOTAL FIXED EXPENSES				108.13	_____
TOTAL SPECIFIED EXPENSES				660.12	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 5.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, conservation tillage
 RR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____

TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	39.50	1.0000	39.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	92.03	1.0000	92.03	_____
TECHNOLOGY FEE	acre	35.50	1.0000	35.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.7324	6.64	_____
OPERATOR LABOR	hour	11.23	1.4223	15.96	_____
UNALLOCATED LABOR	hour	11.24	1.1378	12.80	_____
DIESEL FUEL	gal	2.22	15.9929	35.51	_____
REPAIR & MAINTENANCE	acre	27.73	1.0000	27.73	_____
INTEREST ON OP. CAP.	acre	9.06	1.0000	9.06	_____

TOTAL DIRECT EXPENSES				551.99	_____
RETURNS ABOVE DIRECT EXPENSES				155.41	_____

TOTAL FIXED EXPENSES				108.13	_____

TOTAL SPECIFIED EXPENSES				660.12	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				47.28	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 5.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 RR variety, Delta Area, Mississippi, 2009

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Nov	0.5000				
Paratill & Bed Fold.	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.5000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Row Cond Rdg	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed RR	thous					52.5000				
RR Cotton Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Delta	acre					1.0000				
Sprayer(600-750Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer(600-750Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Sprayer(600-750Gal)	60'		0.017	0.40	Jun			0.00	0.01	0.00
Tracer 4SC	oz					0.8520				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					8.0000				
Acephate 90%	lb					0.5500				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Tracer 4SC	oz					2.1300				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Tracer 4SC	oz					2.1300				
Karate Z	oz					2.0000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer(600-750Gal)	60'		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(325)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.42	1.11	2.15	1.13

Note: Cost of production estimates are based on 2008 input prices.
Fertilization decisions should be based on soil tests.

Table 5.D Estimated costs for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 RR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64			0.22	5.06	4.44	9.50
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Clarity	pt	6.07						0.18	6.25		6.25
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25		7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75			0.06	1.90	1.45	3.35
Custom Apply Fert	acre	7.00						0.21	7.21		7.21
Potash (60% K2O)	cwt	39.15						1.17	40.32		40.32
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.13	4.99	3.32	8.31
UAN (32% N)	cwt	21.12						0.55	21.67		21.67
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47	5.46
Plant & Pre-Rigid	8R-38		1.74	1.27	2.35			0.12	5.48	4.26	9.74
xxxCotton Seed RR	thous										
RR Cotton Tech Fee	cap/ac	35.50						0.80	36.30		36.30
Cotton Seed Trt.	acre	20.00						0.45	20.45		20.45
Insect Scouting	acre	7.00						0.16	7.16		7.16
Eradication Delta	acre	3.00						0.07	3.07		3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99	1.94
Dual Magnum	pt	12.46						0.28	12.74		12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20		7.20
Acephate 90%	lb	1.81						0.04	1.85		1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99	1.94
Centric 40WG	oz	9.58						0.18	9.76		9.76
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32	8.27
UAN (32% N)	cwt	21.12						0.40	21.52		21.52
Sprayer 600-750gal	60' 175hp		0.14	0.06	0.17			0.01	0.38	0.40	0.78
Tracer 4SC	oz	6.22						0.12	6.34		6.34
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65			0.06	3.75	2.27	6.02
Diuron 80%	lb	4.55						0.07	4.62		4.62
Glyphosate 3lbs a.e.	oz	7.04						0.11	7.15		7.15
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
Acephate 90%	lb	4.52						0.07	4.59		4.59
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Karate Z	oz	6.56						0.10	6.66		6.66
Bidrin 8WM	oz	6.96						0.10	7.06		7.06
Incidental Pest											
App by Air (3 gal)	appl	2.50						0.04	2.54		2.54
Incidental Pest Trt	acre	6.00						0.09	6.09		6.09
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Karate Z	oz	6.56						0.10	6.66		6.66
Tracer 4SC	oz	15.55						0.23	15.78		15.78
App by Air (3 gal)	appl	5.00						0.06	5.06		5.06
Acephate 90%	lb	6.16						0.07	6.23		6.23
App by Air (3 gal)	appl	5.00						0.06	5.06		5.06
Tracer 4SC	oz	15.55						0.17	15.72		15.72
Karate Z	oz	6.56						0.07	6.63		6.63
App by Air (5 gal)	appl	6.00						0.05	6.05		6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32		5.32
Ethephon 6E	pt	3.79						0.03	3.82		3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50	0.97
Tribufos 6lb	pt	3.58						0.03	3.61		3.61
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55			0.12	31.10	56.43	87.53
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21			0.05	13.54	10.87	24.41
Module Builder-1st	4R-38(325)		5.60	3.32	7.55			0.06	16.53	12.34	28.87
Gin & Haul	lb	81.00						0.30	81.30		81.30
Stalk Shredder	14'		2.56	1.69	2.38			0.02	6.65	4.08	10.73
TOTALS		444.29	35.51	27.73	35.40	0.00	9.06	551.99	108.13	660.12	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 5.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, conservation tillage
 RR variety, Delta Area, Mississippi, 2010

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	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	17.50	10.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	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	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	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	13.11	0.00	19.50	0.00	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	15.80	46.15	28.27	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	35.50	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	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	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	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.53	1.65	0.00	0.22	22.69
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	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.18	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.45	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.01	0.00	0.00	0.00	2.01	0.68	2.17	0.85	1.21	0.43	0.15	0.55
TOTAL DIRECT EXPENSES	23.35	0.00	0.00	0.00	69.11	26.66	98.19	45.69	81.90	38.70	19.27	149.12
NET INCOME	-23.35	0.00	0.00	0.00	-69.11	-26.66	-98.19	-45.69	-81.90	-38.70	-19.27	558.28
NET INCOME TO DATE	-23.35	-23.35	-23.35	-23.35	-92.46	-119.12	-217.31	-263.00	-344.90	-383.60	-402.87	155.41

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 5.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 RR variety, Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86		
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-193	-178	-162	-146	-131	-115	-100	-84	-69	-53	-37
			-301	-286	-270	-255	-239	-223	-208	-192	-177	-161	-145
60	540.00	lb	-155	-136	-117	-98	-80	-61	-42	-24	-5	13	32
			-263	-244	-225	-207	-188	-169	-150	-132	-113	-94	-76
70	630.00	lb	-116	-94	-72	-50	-29	-7	14	36	58	80	101
			-224	-202	-180	-159	-137	-115	-93	-71	-49	-28	-6
80	720.00	lb	-77	-52	-27	-2	21	46	71	96	121	146	171
			-185	-160	-136	-111	-86	-61	-36	-11	13	38	63
90	810.00	lb	-39	-11	16	45	73	101	129	157	185	213	241
			-147	-119	-91	-63	-35	-6	21	49	77	105	133
100	900.00	lb	-0	30	61	93	124	155	186	217	248	280	311
			-108	-77	-46	-15	16	47	78	109	140	172	203
110	990.00	lb	38	72	106	141	175	209	243	278	312	346	381
			-69	-35	-1	32	67	101	135	170	204	238	273
120	1080.00	lb	76	114	151	189	226	263	301	338	376	413	451
			-31	6	43	80	118	155	193	230	268	305	342
130	1170.00	lb	115	155	196	237	277	318	358	399	439	480	520
			7	47	88	128	169	210	250	291	331	372	412
140	1260.00	lb	154	197	241	285	328	372	416	459	503	547	590
			45	89	133	176	220	264	307	351	395	438	482
150	1350.00	lb	192	239	286	333	379	426	473	520	566	613	660
			84	131	178	224	271	318	365	412	458	505	552

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 2009 input prices.

Table 6.A Estimated costs per acre
 Cotton, 12R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	26.10	1.5000	39.15	_____
UAN (32% N)	cwt	10.56	4.0000	42.24	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	52.5000	28.88	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	52.50	1.0000	52.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradiation Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.7477	8.41	_____
Self-Propelled	hour	11.23	0.2016	2.27	_____
HAND LABOR					
Implements	hour	9.06	0.2997	2.70	_____
Self-Propelled	hour	9.06	0.1869	1.69	_____
UNALLOCATED LABOR					
	hour	11.23	0.7595	8.53	_____
DIESEL FUEL					
Tractors	gal	2.22	8.6602	19.21	_____
Self-Propelled	gal	2.22	3.5228	7.82	_____
REPAIR & MAINTENANCE					
Implements	acre	8.26	1.0000	8.26	_____
Tractors	acre	3.61	1.0000	3.61	_____
Self-Propelled	acre	11.19	1.0000	11.19	_____
INTEREST ON OP. CAP.	acre	8.99	1.0000	8.99	_____
TOTAL DIRECT EXPENSES				512.41	_____
FIXED EXPENSES					
Implements	acre	14.83	1.0000	14.83	_____
Tractors	acre	24.84	1.0000	24.84	_____
Self-Propelled	acre	49.06	1.0000	49.06	_____
TOTAL FIXED EXPENSES				88.73	_____
TOTAL SPECIFIED EXPENSES				601.14	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 6.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____

TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.4867	4.39	_____
OPERATOR LABOR	hour	11.23	0.9494	10.68	_____
UNALLOCATED LABOR	hour	11.23	0.7595	8.53	_____
DIESEL FUEL	gal	2.22	12.1830	27.03	_____
REPAIR & MAINTENANCE	acre	23.06	1.0000	23.06	_____
INTEREST ON OP. CAP.	acre	8.99	1.0000	8.99	_____

TOTAL DIRECT EXPENSES				512.41	_____
RETURNS ABOVE DIRECT EXPENSES				194.99	_____
TOTAL FIXED EXPENSES				88.73	_____

TOTAL SPECIFIED EXPENSES				601.14	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				106.26	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 6.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Paratill & Bed Fold.	12R-38	MFWD 225	0.053	1.00	Nov		0.05	0.05	0.05	0.04
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	0.50	Mar		0.02	0.02	0.02	0.01
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.5000				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					2.0000				
Row Cond Folding	38'	MFWD 225	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant & Pre-Folding	12R-38	MFWD 225	0.053	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed BG/RR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Delta	acre					1.0000				
Sprayer 600-825gal	90' 247hp		0.011	1.00	May			0.01	0.01	0.00
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-825gal	90' 247hp		0.011	1.00	Jun			0.01	0.01	0.00
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					2.0000				
Spray (Direct/Layby)	12R-38	MFWD 225	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					8.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-825gal	90' 247hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy-1st pick	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder-1st	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	20'	MFWD 225	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.94	0.74	1.43	0.75

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 6.D Estimated costs for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Paratill & Bed Fold.	12R-38		1.38	1.26	1.08			0.17	3.89	3.74	7.63
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Clarity	pt	6.07						0.18	6.25		6.25
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25		7.25
Disk Bed (Hipper)	12R-38		0.63	0.26	0.50			0.04	1.43	1.24	2.67
Custom Apply Fert	acre	7.00						0.21	7.21		7.21
Potash (60% K2O)	cwt	39.15						1.17	40.32		40.32
Fert Appl (Liquid)	12R-38		1.33	0.77	1.27			0.09	3.46	2.37	5.83
UAN (32% N)	cwt	21.12						0.55	21.67		21.67
Row Cond Folding	38'		1.05	0.41	0.83			0.05	2.34	2.36	4.70
Plant & Pre-Folding	12R-38		1.37	1.49	1.56			0.10	4.52	4.38	8.90
Cotton Seed BG/RR	thous	28.88						0.65	29.53		29.53
BG/RR Cot Tech Fee	cap/ac	52.50						1.18	53.68		53.68
Cotton Seed Trt.	acre	20.00						0.45	20.45		20.45
Insect Scouting	acre	7.00						0.16	7.16		7.16
Eradication Delta	acre	3.00						0.07	3.07		3.07
Sprayer 600-825gal	90' 247hp		0.33	0.12	0.29			0.02	0.76	0.88	1.64
Dual Magnum	pt	12.46						0.28	12.74		12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20		7.20
Acephate 90%	lb	1.81						0.04	1.85		1.85
Sprayer 600-825gal	90' 247hp		0.33	0.12	0.29			0.01	0.75	0.88	1.63
Centric 40WG	oz	9.58						0.18	9.76		9.76
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
Fert Appl (Liquid)	12R-38		1.33	0.77	1.27			0.06	3.43	2.37	5.80
UAN (32% N)	cwt	21.12						0.40	21.52		21.52
Spray (Direct/Layby)	12R-38		1.14	0.58	1.10			0.04	2.86	1.97	4.83
Diuron 80%	lb	4.55						0.07	4.62		4.62
Glyphosate 3lbs a.e.	oz	7.04						0.11	7.15		7.15
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Acephate 90%	lb	4.52						0.07	4.59		4.59
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Karate Z	oz	6.56						0.10	6.66		6.66
Bidrin 8WM	oz	6.96						0.10	7.06		7.06
Incidental Pest											
App by Air (3 gal)	appl	2.50						0.04	2.54		2.54
Incidental Pest Trt	acre	6.00						0.09	6.09		6.09
App by Air (3 gal)	appl	5.00						0.06	5.06		5.06
Acephate 90%	lb	6.16						0.07	6.23		6.23
App by Air (5 gal)	appl	6.00						0.05	6.05		6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32		5.32
Ethephon 6E	pt	3.79						0.03	3.82		3.82
Sprayer 600-825gal	90' 247hp		0.17	0.06	0.15				0.38	0.44	0.82
Tribufos 6lb	pt	3.58						0.03	3.61		3.61
Cotton Picker-1st-BB	6R-38(355)		6.99	10.89	5.05			0.09	23.02	46.86	69.88
Boll Buggy-1st pick	6R-38(330)		4.43	1.93	3.49			0.04	9.89	8.21	18.10
Module Builder-1st	6R-38(330)		4.43	2.36	5.05			0.04	11.88	9.19	21.07
Gin & Haul	lb	81.00						0.30	81.30		81.30
Stalk Shredder-Flail	20'		2.12	2.04	1.67			0.02	5.85	3.84	9.69
TOTALS		429.73	27.03	23.06	23.60	0.00	8.99	512.41	88.73	601.14	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 6.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

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	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	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	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	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	13.11	0.00	19.50	0.00	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	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	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	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	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.08	0.00	0.00	0.00	0.50	1.27	2.68	1.56	1.10	0.00	0.15	15.26
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	1.38	0.00	0.00	0.00	0.63	1.33	2.75	1.66	1.14	0.00	0.17	17.97
REPAIR & MAINTENANCE	1.26	0.00	0.00	0.00	0.26	0.77	2.02	0.89	0.58	0.00	0.06	17.22
INTEREST ON OP. CAP.	0.96	0.00	0.00	0.00	1.99	0.64	3.16	0.68	0.79	0.13	0.15	0.49
TOTAL DIRECT EXPENSES	22.18	0.00	0.00	0.00	68.64	25.13	143.30	37.25	53.50	11.29	19.18	131.94
NET INCOME	-22.18	0.00	0.00	0.00	-68.64	-25.13	-143.30	-37.25	-53.50	-11.29	-19.18	575.46
NET INCOME TO DATE	-22.18	-22.18	-22.18	-22.18	-90.82	-115.95	-259.25	-296.50	-350.00	-361.29	-380.47	194.99

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 6.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage
 BtRR variety, Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86		
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-154 -242	-138 -227	-122 -211	-107 -196	-91 -180	-76 -164	-60 -149	-45 -133	-29 -118	-13 -102	1 -86
60	540.00	lb	-115 -204	-96 -185	-78 -166	-59 -148	-40 -129	-21 -110	-3 -91	15 -73	34 -54	52 -35	71 -17
70	630.00	lb	-76 -165	-55 -143	-33 -121	-11 -100	10 -78	32 -56	54 -34	75 -12	97 9	119 30	141 52
80	720.00	lb	-38 -126	-13 -102	11 -77	36 -52	61 -27	86 -2	111 22	136 47	161 72	186 97	211 122
90	810.00	lb	0 -88	28 -60	56 -32	84 -4	112 23	140 52	168 80	196 108	224 136	253 164	281 192
100	900.00	lb	39 -49	70 -18	101 12	132 43	163 75	194 106	226 137	257 168	288 199	319 231	350 262
110	990.00	lb	77 -11	112 23	146 57	180 91	214 126	249 160	283 194	317 229	352 263	386 297	420 332
120	1080.00	lb	116 27	153 65	191 102	228 139	266 177	303 214	340 252	378 289	415 327	453 364	490 401
130	1170.00	lb	155 66	195 106	236 147	276 187	317 228	357 268	398 309	438 350	479 390	519 431	560 471
140	1260.00	lb	193 104	237 148	280 192	324 235	368 279	411 323	455 366	499 410	542 454	586 497	630 541
150	1350.00	lb	232 143	279 190	325 237	372 283	419 330	466 377	512 424	559 471	606 517	653 564	700 611

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 7.A Estimated costs per acre
 Cotton, 12R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	3.2500	16.25	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	26.10	1.5000	39.15	_____
UAN (32% N)	cwt	10.56	4.0000	42.24	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	128.0000	28.16	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	0.5000	1.64	_____
Bidrin 8WM	oz	0.87	2.0000	1.74	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
TECHNOLOGY FEE					
BG II/RRF Tech Fee	cap/ac	67.50	1.0000	67.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.7477	8.41	_____
Self-Propelled	hour	11.23	0.2016	2.27	_____
HAND LABOR					
Implements	hour	9.06	0.2997	2.70	_____
Self-Propelled	hour	9.06	0.1869	1.69	_____
UNALLOCATED LABOR					
	hour	11.23	0.7595	8.53	_____
DIESEL FUEL					
Tractors	gal	2.22	8.6602	19.21	_____
Self-Propelled	gal	2.22	3.5228	7.82	_____
REPAIR & MAINTENANCE					
Implements	acre	8.26	1.0000	8.26	_____
Tractors	acre	3.61	1.0000	3.61	_____
Self-Propelled	acre	11.19	1.0000	11.19	_____
INTEREST ON OP. CAP.	acre	8.73	1.0000	8.73	_____
TOTAL DIRECT EXPENSES				499.92	_____
FIXED EXPENSES					
Implements	acre	14.83	1.0000	14.83	_____
Tractors	acre	24.84	1.0000	24.84	_____
Self-Propelled	acre	49.06	1.0000	49.06	_____
TOTAL FIXED EXPENSES				88.73	_____
TOTAL SPECIFIED EXPENSES				588.65	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 7.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
BGII/Flex variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____

TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	28.25	1.0000	28.25	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	51.24	1.0000	51.24	_____
INSECTICIDES	acre	37.45	1.0000	37.45	_____
TECHNOLOGY FEE	acre	67.50	1.0000	67.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.4867	4.39	_____
OPERATOR LABOR	hour	11.23	0.9494	10.68	_____
UNALLOCATED LABOR	hour	11.23	0.7595	8.53	_____
DIESEL FUEL	gal	2.22	12.1830	27.03	_____
REPAIR & MAINTENANCE	acre	23.06	1.0000	23.06	_____
INTEREST ON OP. CAP.	acre	8.73	1.0000	8.73	_____

TOTAL DIRECT EXPENSES				499.92	_____
RETURNS ABOVE DIRECT EXPENSES				207.48	_____

TOTAL FIXED EXPENSES				88.73	_____

TOTAL SPECIFIED EXPENSES				588.65	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				118.75	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 7.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Paratill & Bed Fold.	12R-38	MFWD 225	0.053	1.00	Nov		0.05	0.05	0.05	0.04
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	0.50	Mar		0.02	0.02	0.02	0.01
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.5000				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					2.0000				
Row Cond Folding	38'	MFWD 225	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant & Pre-Folding	12R-38	MFWD 225	0.053	1.00	May		0.05	0.05	0.10	0.04
xxxCotton Seed BGRRF	thous					52.5000				
BG II/RRF Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Delta	acre					1.0000				
Sprayer 600-825gal	90' 247hp		0.011	1.00	May			0.01	0.01	0.00
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-825gal	90' 247hp		0.011	1.00	Jun			0.01	0.01	0.00
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					2.0000				
Spray (Direct/Layby)	12R-38	MFWD 225	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					8.0000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
Incidental Pest Trt	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-825gal	90' 247hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy-1st pick	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder-1st	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	20'	MFWD 225	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.94	0.74	1.43	0.75

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 7.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
BGII/Flex variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Paratill & Bed Fold.	12R-38		1.38	1.26	1.08			0.17	3.89	3.74	7.63
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Clarity	pt	6.07						0.18	6.25		6.25
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25		7.25
Disk Bed (Hipper)	12R-38		0.63	0.26	0.50			0.04	1.43	1.24	2.67
Custom Apply Fert	acre	7.00						0.21	7.21		7.21
Potash (60% K2O)	cwt	39.15						1.17	40.32		40.32
Fert Appl (Liquid)	12R-38		1.33	0.77	1.27			0.09	3.46	2.37	5.83
UAN (32% N)	cwt	21.12						0.55	21.67		21.67
Row Cond Folding	38'		1.05	0.41	0.83			0.05	2.34	2.36	4.70
Plant & Pre-Folding	12R-38		1.37	1.49	1.56			0.10	4.52	4.38	8.90
xxxCotton Seed BGRRF	thous										
BG II/RRF Tech Fee	cap/ac	67.50						1.52	69.02		69.02
Cotton Seed Trt.	acre	20.00						0.45	20.45		20.45
Insect Scouting	acre	7.00						0.16	7.16		7.16
Eradication Delta	acre	3.00						0.07	3.07		3.07
Sprayer 600-825gal	90' 247hp		0.33	0.12	0.29			0.02	0.76	0.88	1.64
Dual Magnum	pt	12.46						0.28	12.74		12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20		7.20
Acephate 90%	lb	1.81						0.04	1.85		1.85
Sprayer 600-825gal	90' 247hp		0.33	0.12	0.29			0.01	0.75	0.88	1.63
Centric 40WG	oz	9.58						0.18	9.76		9.76
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
Glyphosate 3lbs a.e.	oz	7.04						0.13	7.17		7.17
Fert Appl (Liquid)	12R-38		1.33	0.77	1.27			0.06	3.43	2.37	5.80
UAN (32% N)	cwt	21.12						0.40	21.52		21.52
Spray (Direct/Layby)	12R-38		1.14	0.58	1.10			0.04	2.86	1.97	4.83
Diuron 80%	lb	4.55						0.07	4.62		4.62
Glyphosate 3lbs a.e.	oz	7.04						0.11	7.15		7.15
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Acephate 90%	lb	4.52						0.07	4.59		4.59
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
App by Air (3 gal)	appl	1.25						0.02	1.27		1.27
Karate Z	oz	1.64						0.02	1.66		1.66
Bidrin 8WM	oz	1.74						0.03	1.77		1.77
Incidental Pest											
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Incidental Pest Trt	acre	12.00						0.18	12.18		12.18
App by Air (3 gal)	appl	5.00						0.06	5.06		5.06
Acephate 90%	lb	6.16						0.07	6.23		6.23
App by Air (5 gal)	appl	6.00						0.05	6.05		6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32		5.32
Ethephon 6E	pt	3.79						0.03	3.82		3.82
Sprayer 600-825gal	90' 247hp		0.17	0.06	0.15				0.38	0.44	0.82
Tribufos 6lb	pt	3.58						0.03	3.61		3.61
Cotton Picker-1st-BB	6R-38(355)		6.99	10.89	5.05			0.09	23.02	46.86	69.88
Boll Buggy-1st pick	6R-38(330)		4.43	1.93	3.49			0.04	9.89	8.21	18.10
Module Builder-1st	6R-38(330)		4.43	2.36	5.05			0.04	11.88	9.19	21.07
Gin & Haul	lb	81.00						0.30	81.30		81.30
Stalk Shredder-Flail	20'		2.12	2.04	1.67			0.02	5.85	3.84	9.69
TOTALS		417.50	27.03	23.06	23.60	0.00	8.73	499.92	88.73	588.65	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 7.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

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	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	11.25	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	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	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	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	13.11	0.00	19.50	7.04	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	19.90	6.16	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.50	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	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	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	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.08	0.00	0.00	0.00	0.50	1.27	2.68	1.56	1.10	0.00	0.15	15.26
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	1.38	0.00	0.00	0.00	0.63	1.33	2.75	1.66	1.14	0.00	0.17	17.97
REPAIR & MAINTENANCE	1.26	0.00	0.00	0.00	0.26	0.77	2.02	0.89	0.58	0.00	0.06	17.22
INTEREST ON OP. CAP.	0.96	0.00	0.00	0.00	1.99	0.64	2.85	0.81	0.71	0.13	0.15	0.49
TOTAL DIRECT EXPENSES	22.18	0.00	0.00	0.00	68.64	25.13	129.11	44.42	48.03	11.29	19.18	131.94
NET INCOME	-22.18	0.00	0.00	0.00	-68.64	-25.13	-129.11	-44.42	-48.03	-11.29	-19.18	575.46
NET INCOME TO DATE	-22.18	-22.18	-22.18	-22.18	-90.82	-115.95	-245.06	-289.48	-337.51	-348.80	-367.98	207.48

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 7.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage
 BGII/Flex variety, Delta Area, Mississippi, 2010

PRODUCT	PERCENT													
	75	80	85	90	95	100	105	110	115	120	125			
	PRODUCT PRICE													
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86			
PERCENT	YIELD	UNIT	dollars											
50	450.00	lb	-141	-126	-110	-94	-79	-63	-48	-32	-16	-1	14	
			-230	-214	-199	-183	-168	-152	-136	-121	-105	-90	-74	
60	540.00	lb	-103	-84	-65	-46	-28	-9	9	27	46	65	84	
			-191	-173	-154	-135	-116	-98	-79	-60	-42	-23	-4	
70	630.00	lb	-64	-42	-20	1	22	44	66	88	110	132	153	
			-153	-131	-109	-87	-65	-43	-22	-0	21	43	65	
80	720.00	lb	-25	-0	24	49	74	99	123	148	173	198	223	
			-114	-89	-64	-39	-14	10	35	60	85	110	135	
90	810.00	lb	12	40	69	97	125	153	181	209	237	265	293	
			-75	-47	-19	8	36	64	92	120	148	176	204	
100	900.00	lb	51	82	113	145	176	207	238	269	301	332	363	
			-37	-5	25	56	87	118	149	181	212	243	274	
110	990.00	lb	90	124	158	193	227	261	296	330	364	398	433	
			1	35	70	104	138	172	207	241	275	310	344	
120	1080.00	lb	128	166	203	241	278	315	353	390	428	465	503	
			40	77	114	152	189	227	264	302	339	376	414	
130	1170.00	lb	167	208	248	289	329	370	410	451	491	532	572	
			78	119	159	200	240	281	322	362	403	443	484	
140	1260.00	lb	206	249	293	337	380	424	468	511	555	599	642	
			117	161	204	248	292	335	379	423	466	510	554	
150	1350.00	lb	244	291	338	385	431	478	525	572	619	665	712	
			156	202	249	296	343	389	436	483	530	577	623	

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 2009 input prices.

Table 8.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	26.10	1.5000	39.15	_____
Amm Nitrate (34% N)	cwt	14.23	2.0000	28.46	_____
UAN (32% N)	cwt	10.56	2.0000	21.12	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	52.5000	28.88	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	52.50	1.0000	52.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.6198	6.98	_____
Self-Propelled	hour	11.23	0.2016	2.27	_____
HAND LABOR					
Implements	hour	9.06	0.2760	2.49	_____
Self-Propelled	hour	9.06	0.1869	1.69	_____
UNALLOCATED LABOR					
	hour	11.24	0.6572	7.39	_____
DIESEL FUEL					
Tractors	gal	2.22	7.1790	15.93	_____
Self-Propelled	gal	2.22	3.5228	7.82	_____
REPAIR & MAINTENANCE					
Implements	acre	6.77	1.0000	6.77	_____
Tractors	acre	2.99	1.0000	2.99	_____
Self-Propelled	acre	11.19	1.0000	11.19	_____
INTEREST ON OP. CAP.	acre	9.05	1.0000	9.05	_____
TOTAL DIRECT EXPENSES				511.64	_____
FIXED EXPENSES					
Implements	acre	12.19	1.0000	12.19	_____
Tractors	acre	20.59	1.0000	20.59	_____
Self-Propelled	acre	49.06	1.0000	49.06	_____
TOTAL FIXED EXPENSES				81.84	_____
TOTAL SPECIFIED EXPENSES				593.48	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 8.B Summary of estimated costs and returns per acre
 Cotton, 12R-38" solid, no-till
 BtRR variety, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____

TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	88.73	1.0000	88.73	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.4630	4.18	_____
OPERATOR LABOR	hour	11.23	0.8215	9.25	_____
UNALLOCATED LABOR	hour	11.24	0.6572	7.39	_____
DIESEL FUEL	gal	2.22	10.7018	23.75	_____
REPAIR & MAINTENANCE	acre	20.95	1.0000	20.95	_____
INTEREST ON OP. CAP.	acre	9.05	1.0000	9.05	_____

TOTAL DIRECT EXPENSES				511.64	_____
RETURNS ABOVE DIRECT EXPENSES				195.76	_____
TOTAL FIXED EXPENSES				81.84	_____

TOTAL SPECIFIED EXPENSES				593.48	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				113.92	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 8.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, no-till
 BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Nov	0.5000				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.5000				
Amm Nitrate (34% N)	cwt					2.0000				
Row Cond Folding	38'	MFWD 225	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant&Pre-Folding	12R-38	MFWD 225	0.055	1.00	May		0.05	0.05	0.11	0.04
Cotton Seed BG/RR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Delta	acre					1.0000				
Sprayer 600-825gal	90' 247hp		0.011	1.00	May			0.01	0.01	0.00
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-825gal	90' 247hp		0.011	1.00	Jun			0.01	0.01	0.00
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					2.0000				
Spray (Direct/Layby)	12R-38	MFWD 225	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					8.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-825gal	90' 247hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy-1st pick	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder-1st	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	20'	MFWD 225	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.82	0.61	1.28	0.65

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 8.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
App by Air (5 gal)	appl	6.00						0.18	6.18	6.18
Clarity	pt	6.07						0.18	6.25	6.25
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25	7.25
Custom Apply Fert	acre	7.00						0.21	7.21	7.21
Potash (60% K2O)	cwt	39.15						1.17	40.32	40.32
Amm Nitrate (34% N)	cwt	28.46						0.85	29.31	29.31
Row Cond Folding	38'		1.05	0.41	0.83			0.05	2.34	2.36
NT Plant&Pre-Folding	12R-38		1.43	1.67	1.63			0.11	4.84	4.84
Cotton Seed BG/RR	thous	28.88						0.65	29.53	29.53
BG/RR Cot Tech Fee	cap/ac	52.50						1.18	53.68	53.68
Cotton Seed Trt.	acre	20.00						0.45	20.45	20.45
Insect Scouting	acre	7.00						0.16	7.16	7.16
Eradication Delta	acre	3.00						0.07	3.07	3.07
Sprayer 600-825gal	90' 247hp		0.33	0.12	0.29			0.02	0.76	0.88
Dual Magnum	pt	12.46						0.28	12.74	12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20	7.20
Acephate 90%	lb	1.81						0.04	1.85	1.85
Sprayer 600-825gal	90' 247hp		0.33	0.12	0.29			0.01	0.75	0.88
Centric 40WG	oz	9.58						0.18	9.76	9.76
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Fert Appl (Liquid)	12R-38		1.33	0.77	1.27			0.06	3.43	2.37
UAN (32% N)	cwt	21.12						0.40	21.52	21.52
Spray (Direct/Layby)	12R-38		1.14	0.58	1.10			0.05	2.87	1.97
Diuron 80%	lb	4.55						0.09	4.64	4.64
Glyphosate 3lbs a.e.	oz	7.04						0.13	7.17	7.17
App by Air (3 gal)	appl	5.00						0.07	5.07	5.07
Acephate 90%	lb	4.52						0.07	4.59	4.59
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
App by Air (3 gal)	appl	5.00						0.07	5.07	5.07
Karate Z	oz	6.56						0.10	6.66	6.66
Bidrin 8WM	oz	6.96						0.10	7.06	7.06
Incidental Pest										
App by Air (3 gal)	appl	2.50						0.04	2.54	2.54
Incidental Pest Trt	acre	6.00						0.09	6.09	6.09
App by Air (3 gal)	appl	5.00						0.06	5.06	5.06
Acephate 90%	lb	6.16						0.07	6.23	6.23
App by Air (5 gal)	appl	6.00						0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32	5.32
Ethephon 6E	pt	3.79						0.03	3.82	3.82
Sprayer 600-825gal	90' 247hp		0.17	0.06	0.15				0.38	0.44
Tribufos 6lb	pt	3.58						0.03	3.61	3.61
Cotton Picker-1st-BB	6R-38(355)		6.99	10.89	5.05			0.09	23.02	46.86
Boll Buggy-1st pick	6R-38(330)		4.43	1.93	3.49			0.04	9.89	8.21
Module Builder-1st	6R-38(330)		4.43	2.36	5.05			0.04	11.88	9.19
Gin & Haul	lb	81.00						0.30	81.30	81.30
Stalk Shredder-Flail	20'		2.12	2.04	1.67			0.02	5.85	3.84
TOTALS		437.07	23.75	20.95	20.82	0.00	9.05	511.64	81.84	593.48

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 8.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, no-till
 BtRR variety, Delta Area, Mississippi, 2010

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	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	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	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	67.61	0.00	0.00	21.12	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	13.11	0.00	19.50	11.59	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	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	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	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	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	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	2.75	2.66	0.00	0.00	0.15	15.26
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	2.81	2.80	0.00	0.00	0.17	17.97
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.20	1.47	0.00	0.00	0.06	17.22
INTEREST ON OP. CAP.	0.79	0.00	0.00	0.00	2.80	0.00	3.17	0.95	0.57	0.13	0.15	0.49
TOTAL DIRECT EXPENSES	18.29	0.00	0.00	0.00	96.52	0.00	143.62	51.93	38.87	11.29	19.18	131.94
NET INCOME	-18.29	0.00	0.00	0.00	-96.52	0.00	-143.62	-51.93	-38.87	-11.29	-19.18	575.46
NET INCOME TO DATE	-18.29	-18.29	-18.29	-18.29	-114.81	-114.81	-258.43	-310.36	-349.23	-360.52	-379.70	195.76

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 8.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, no-till
 BtRR variety, Delta Area, Mississippi, 2010

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----	-----PRODUCT PRICE-----												
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86		
PERCENT	YIELD	UNIT	-----dollars-----										
50	450.00	lb	-153	-137	-122	-106	-91	-75	-59	-44	-28	-13	2
			-235	-219	-204	-188	-172	-157	-141	-126	-110	-94	-79
60	540.00	lb	-114	-96	-77	-58	-39	-21	-2	16	34	53	72
			-196	-177	-159	-140	-121	-103	-84	-65	-46	-28	-9
70	630.00	lb	-76	-54	-32	-10	11	33	54	76	98	120	142
			-157	-136	-114	-92	-70	-48	-26	-5	16	38	60
80	720.00	lb	-37	-12	12	37	62	87	112	137	162	187	212
			-119	-94	-69	-44	-19	5	30	55	80	105	130
90	810.00	lb	1	29	57	85	113	141	169	197	225	253	281
			-80	-52	-24	3	31	59	87	115	143	171	200
100	900.00	lb	39	71	102	133	164	195	226	258	289	320	351
			-42	-10	20	51	82	113	145	176	207	238	269
110	990.00	lb	78	112	147	181	215	250	284	318	352	387	421
			-3	30	65	99	133	168	202	236	271	305	339
120	1080.00	lb	117	154	191	229	266	304	341	379	416	453	491
			35	72	110	147	184	222	259	297	334	372	409
130	1170.00	lb	155	196	236	277	317	358	399	439	480	520	561
			73	114	155	195	236	276	317	357	398	438	479
140	1260.00	lb	194	238	281	325	369	412	456	500	543	587	631
			112	156	199	243	287	330	374	418	461	505	549
150	1350.00	lb	233	279	326	373	420	466	513	560	607	654	700
			151	198	244	291	338	385	431	478	525	572	619

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 2009 input prices.

Table 9.A Estimated costs per acre
Soybeans, early-planted, RR, stale seedbed, 12R 20"
Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	3.2500	19.50	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.25	4.0000	1.00	_____
Sodium Chlorate 3L	gal	3.00	0.2500	0.75	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.2800	4.30	_____
Potash (60% K2O)	cwt	26.10	0.4000	10.44	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.75	2.5000	1.88	_____
Headline	oz	2.75	3.0000	8.25	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	6.0000	20.94	_____
2,4-D Amine 4	pt	2.08	2.0000	4.16	_____
Valor SX	oz	3.94	2.0000	7.88	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
INSECTICIDES					
Gaucho 600	oz	7.77	1.0000	7.77	_____
Karate Z	oz	3.28	0.9600	3.15	_____
Acephate 90SP	lb	8.38	0.7500	6.29	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.99	50.0000	49.50	_____
ADJUVANTS					
Surfactant	pt	3.68	0.0500	0.18	_____
HAULING					
Haul Soybeans	bu	0.20	42.0000	8.40	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.2000	7.00	_____
INOCULANT					
Nitragin S	oz	0.27	2.7500	0.74	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.3524	3.97	_____
Harvesters	hour	11.23	0.1021	1.15	_____
HAND LABOR					
Implements	hour	9.06	0.1393	1.26	_____
UNALLOCATED LABOR	hour	11.24	0.4091	4.60	_____
DIESEL FUEL					
Tractors	gal	2.22	3.4472	7.66	_____
Harvesters	gal	2.22	1.3935	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	3.59	1.0000	3.59	_____
Tractors	acre	1.41	1.0000	1.41	_____
Harvesters	acre	2.32	1.0000	2.32	_____
INTEREST ON OP. CAP.	acre	4.65	1.0000	4.65	_____
TOTAL DIRECT EXPENSES				208.29	_____
FIXED EXPENSES					
Implements	acre	8.23	1.0000	8.23	_____
Tractors	acre	9.77	1.0000	9.77	_____
Harvesters	acre	9.99	1.0000	9.99	_____
TOTAL FIXED EXPENSES				27.99	_____
TOTAL SPECIFIED EXPENSES				236.28	_____

Note: Cost of production estimates are based on 2009 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. The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 9.B Summary of estimated costs and returns per acre
Soybeans, early-planted, RR, stale seedbed, 12R 20"
Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.22	42.0000	387.24	_____

TOTAL INCOME				387.24	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	19.50	1.0000	19.50	_____
HARVEST AIDS	acre	1.75	1.0000	1.75	_____
FERTILIZERS	acre	14.74	1.0000	14.74	_____
FUNGICIDES	acre	10.13	1.0000	10.13	_____
HERBICIDES	acre	45.44	1.0000	45.44	_____
INSECTICIDES	acre	17.21	1.0000	17.21	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
ADJUVANTS	acre	0.18	1.0000	0.18	_____
HAULING	acre	8.40	1.0000	8.40	_____
CUSTOM LIME	acre	7.00	1.0000	7.00	_____
INOCULANT	acre	0.74	1.0000	0.74	_____
HAND LABOR	hour	9.06	0.1393	1.26	_____
OPERATOR LABOR	hour	11.23	0.4546	5.12	_____
UNALLOCATED LABOR	hour	11.24	0.4091	4.60	_____
DIESEL FUEL	gal	2.22	4.8408	10.75	_____
REPAIR & MAINTENANCE	acre	7.32	1.0000	7.32	_____
INTEREST ON OP. CAP.	acre	4.65	1.0000	4.65	_____

TOTAL DIRECT EXPENSES				208.29	_____
RETURNS ABOVE DIRECT EXPENSES				178.95	_____
TOTAL FIXED EXPENSES				27.99	_____

TOTAL SPECIFIED EXPENSES				236.28	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				150.96	_____

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 9.C Estimated resource use for field operations, per acre
Soybeans, early-planted, RR, stale seedbed, 12R 20"
Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Subsoiler	3 shank	MFWD 190	0.204	0.20	Oct		0.04	0.04	0.04	0.03
Lime (Spread)	ton			0.20	Oct	0.2000				
Spin Spreader	5 ton	MFWD 190	0.042	0.40	Oct		0.01	0.01	0.03	0.01
Phosphorus(46% P2O5)	cwt					0.2800				
Potash (60% K2O)	cwt					0.4000				
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct		0.08	0.08	0.08	0.07
Field Cultivate Fld	24'	MFWD 190	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.	pt					2.0000				
2,4-D Amine 4	pt					2.0000				
Valor SX	oz					2.0000				
Plant - Rigid	12R-20	MFWD 190	0.094	1.00	Apr		0.09	0.09	0.18	0.08
Soybean Seed RR	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Nitragin S	oz					2.7500				
Gaicho 600	oz					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Dual Magnum	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
App by Air (5 gal)	appl			0.50	Jul	0.5000				
Headline	oz					3.0000				
App by Air (5 gal)	appl			0.50	Jul	0.5000				
Karate Z	oz					0.9600				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			0.25	Aug	0.2500				
Gramoxone Inteon	oz					4.0000				
Sodium Chlorate 3L	gal					0.2500				
Surfactant	pt					0.0500				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Soybeans	bu					42.0000				
TOTALS							0.45	0.45	0.59	0.40

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 9.D Estimated costs for field operations, per acre
Soybeans, early-planted, RR, stale seedbed, 12R 20"
Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Subsoiler	3 shank		0.89	0.21	0.87		0.09	2.06	1.26	3.32
Lime (Spread)	ton	7.00					0.32	7.32		7.32
Spin Spreader	5 ton		0.37	0.18	0.51		0.05	1.11	0.72	1.83
Phosphorus(46% P2O5)	cwt	4.30					0.19	4.49		4.49
Potash (60% K2O)	cwt	10.44					0.47	10.91		10.91
Disk Harrow	24'		1.78	1.09	1.75		0.21	4.83	4.06	8.89
Field Cultivate Fld	24'		1.35	0.61	1.33		0.15	3.44	3.42	6.86
App by Air (5 gal)	appl	6.00					0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98					0.21	7.19		7.19
2,4-D Amine 4	pt	4.16					0.12	4.28		4.28
Valor SX	oz	7.88					0.24	8.12		8.12
Plant - Rigid	12R-20		2.05	1.72	2.86		0.15	6.78	5.46	12.24
Soybean Seed RR	lb	49.50					1.11	50.61		50.61
Apron Maxx RTA	oz	1.88					0.04	1.92		1.92
Nitragin S	oz	0.74					0.02	0.76		0.76
Gaucho 600	oz	7.77					0.17	7.94		7.94
Spray (Broadcast)	60'		0.61	0.25	0.74		0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98					0.13	7.11		7.11
Dual Magnum	pt	12.46					0.23	12.69		12.69
Spray (Broadcast)	60'		0.61	0.25	0.74		0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98					0.13	7.11		7.11
App by Air (5 gal)	appl	3.00					0.03	3.03		3.03
Headline	oz	8.25					0.09	8.34		8.34
App by Air (5 gal)	appl	3.00					0.03	3.03		3.03
Karate Z	oz	3.15					0.04	3.19		3.19
App by Air (5 gal)	appl	6.00					0.05	6.05		6.05
Acephate 90SP	lb	6.29					0.05	6.34		6.34
App by Air (5 gal)	appl	1.50					0.01	1.51		1.51
Gramoxone Inteon	oz	1.00					0.01	1.01		1.01
Sodium Chlorate 3L	gal	0.75					0.01	0.76		0.76
Surfactant	pt	0.18						0.18		0.18
Header -Soybean	25' Flex		3.09	3.01	2.18		0.03	8.31	11.13	19.44
Haul Soybeans	bu	8.40					0.03	8.43		8.43
TOTALS		174.59	10.75	7.32	10.98	0.00	4.65	208.29	27.99	236.28

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 9.E Estimated monthly income and expense flows per acre
Soybeans, early-planted, RR, stale seedbed, 12R 20"
Delta Area, Mississippi, 2010

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	387.24
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	6.00	7.50	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00
FERTILIZERS	14.74	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	1.88	0.00	0.00	8.25	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	19.02	0.00	0.00	26.42	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	0.00	3.15	6.29	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	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	0.00	0.00	0.18	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	8.40
CUSTOM LIME	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00
LABOR	4.46	0.00	0.00	0.00	0.00	0.00	2.86	1.48	0.00	0.00	0.00	2.18
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	4.39	0.00	0.00	0.00	0.00	0.00	2.05	1.22	0.00	0.00	0.00	3.09
REPAIR & MAINTENANCE	2.09	0.00	0.00	0.00	0.00	0.00	1.72	0.50	0.00	0.00	0.00	3.01
INTEREST ON OP. CAP.	1.48	0.00	0.00	0.00	0.75	0.00	1.49	0.55	0.00	0.19	0.13	0.06
TOTAL DIRECT EXPENSES	34.16	0.00	0.00	0.00	25.77	0.00	68.01	30.17	0.00	17.59	15.85	16.74
NET INCOME	-34.16	0.00	0.00	0.00	-25.77	0.00	-68.01	-30.17	0.00	-17.59	-15.85	370.50
NET INCOME TO DATE	-34.16	-34.16	-34.16	-34.16	-59.93	-59.93	-127.94	-158.11	-158.11	-175.70	-191.55	178.95

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

* Lease costs are based on hourly usage costs.

Table 9.F Estimated returns for various price/yield combinations, per acre
 Soybeans, early-planted, RR, stale seedbed, 12R 20"
 Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
PRODUCT PRICE													
Soybeans	6.91	7.37	7.83	8.29	8.75	9.22	9.68	10.14	10.60	11.06	11.52		
PERCENT	YIELD	UNIT	dollars										
50	21.00	bu	-58	-49	-39	-29	-20	-10	-0	8	18	28	37
			-86	-77	-67	-57	-48	-38	-28	-19	-9	0	9
60	25.20	bu	-30	-19	-7	4	15	27	39	50	62	73	85
			-58	-47	-35	-23	-12	-0	11	22	34	45	57
70	29.40	bu	-2	11	24	38	51	65	78	92	105	119	133
			-30	-16	-3	10	23	37	50	64	77	91	105
80	33.60	bu	25	41	56	72	87	103	118	134	149	165	180
			-2	13	28	44	59	75	90	106	121	137	152
90	37.80	bu	53	71	88	106	123	141	158	175	193	210	228
			25	43	60	78	95	113	130	147	165	182	200
100	42.00	bu	82	101	120	140	159	178	198	217	237	256	275
			54	73	92	112	131	150	170	189	209	228	247
110	46.20	bu	110	131	152	174	195	216	238	259	280	302	323
			82	103	124	146	167	188	210	231	252	274	295
120	50.40	bu	138	161	185	208	231	254	277	301	324	347	370
			110	133	157	180	203	226	249	273	296	319	342
130	54.60	bu	166	191	217	242	267	292	317	342	368	393	418
			138	163	189	214	239	264	289	314	340	365	390
140	58.80	bu	194	222	249	276	303	330	357	384	411	438	466
			166	194	221	248	275	302	329	356	383	410	438
150	63.00	bu	223	252	281	310	339	368	397	426	455	484	513
			195	224	253	282	311	340	369	398	427	456	485

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 2009 input prices.

Table 10.A Estimated costs per acre
Soybeans, early-planted, RR, stale seedbed, 12R 20"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	3.5000	21.00	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.25	4.0000	1.00	_____
Sodium Chlorate 3L	gal	3.00	0.2500	0.75	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.4000	6.14	_____
Potash (60% K2O)	cwt	26.10	0.6000	15.66	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.75	2.5000	1.88	_____
Quadris	oz	2.56	3.0000	7.68	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	6.0000	20.94	_____
2,4-D Amine 4	pt	2.08	2.0000	4.16	_____
Valor SX	oz	3.94	2.0000	7.88	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
INSECTICIDES					
Gaucho 600	oz	7.77	1.0000	7.77	_____
Karate Z	oz	3.28	0.9600	3.15	_____
Acephate 90SP	lb	8.38	0.7500	6.29	_____
Intrepid 2F	oz	1.96	1.0000	1.96	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.99	50.0000	49.50	_____
ADJUVANTS					
Surfactant	pt	3.68	0.0750	0.28	_____
HAULING					
Haul Soybeans	bu	0.20	65.0000	13.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.2000	7.00	_____
INOCULANT					
Nitragin S	oz	0.27	2.7500	0.74	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.5051	5.69	_____
Harvesters	hour	11.23	0.1021	1.15	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.1393	1.26	_____
UNALLOCATED LABOR					
	hour	11.24	0.4758	5.35	_____
DIESEL FUEL					
Tractors	gal	2.22	4.8145	10.70	_____
Harvesters	gal	2.22	1.3935	3.09	_____
Roll-Out Pipe Irr.	gal	2.22	7.3316	16.29	_____
REPAIR & MAINTENANCE					
Implements	acre	4.23	1.0000	4.23	_____
Tractors	acre	1.96	1.0000	1.96	_____
Harvesters	acre	2.32	1.0000	2.32	_____
Roll-Out Pipe Irr.	acre	4.37	1.0000	4.37	_____
INTEREST ON OP. CAP.	acre	5.68	1.0000	5.68	_____
TOTAL DIRECT EXPENSES				261.22	_____
FIXED EXPENSES					
Implements	acre	10.72	1.0000	10.72	_____
Tractors	acre	13.58	1.0000	13.58	_____
Harvesters	acre	9.99	1.0000	9.99	_____
Roll-Out Pipe Irr.	acre	42.05	1.0000	42.05	_____
TOTAL FIXED EXPENSES				76.34	_____
TOTAL SPECIFIED EXPENSES				337.56	_____

Note: Cost of production estimates are based on 2009 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. The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 10.B Summary of estimated costs and returns per acre
 Soybeans, early-planted, RR, stale seedbed, 12R 20"
 Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.22	65.0000	599.30	_____

TOTAL INCOME				599.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	21.00	1.0000	21.00	_____
HARVEST AIDS	acre	1.75	1.0000	1.75	_____
FERTILIZERS	acre	21.80	1.0000	21.80	_____
FUNGICIDES	acre	9.56	1.0000	9.56	_____
HERBICIDES	acre	45.44	1.0000	45.44	_____
INSECTICIDES	acre	19.17	1.0000	19.17	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
ADJUVANTS	acre	0.27	1.0000	0.27	_____
HAULING	acre	13.00	1.0000	13.00	_____
CUSTOM LIME	acre	7.00	1.0000	7.00	_____
INOCULANT	acre	0.74	1.0000	0.74	_____
HAND LABOR	hour	9.06	0.1393	1.26	_____
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_____
OPERATOR LABOR	hour	11.23	0.6072	6.84	_____
UNALLOCATED LABOR	hour	11.24	0.4758	5.35	_____
DIESEL FUEL	gal	2.22	13.5398	30.08	_____
REPAIR & MAINTENANCE	acre	12.88	1.0000	12.88	_____
INTEREST ON OP. CAP.	acre	5.68	1.0000	5.68	_____

TOTAL DIRECT EXPENSES				261.22	_____
RETURNS ABOVE DIRECT EXPENSES				338.08	_____
TOTAL FIXED EXPENSES				76.34	_____

TOTAL SPECIFIED EXPENSES				337.56	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				261.74	_____

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 10.C Estimated resource use for field operations, per acre
 Soybeans, early-planted, RR, stale seedbed, 12R 20"
 Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Subsoiler	3 shank	MFWD 190	0.204	0.20	Oct		0.04	0.04	0.04	0.03
Lime (Spread)	ton			0.20	Oct	0.2000				
Spin Spreader	5 ton	MFWD 190	0.042	0.40	Oct		0.01	0.01	0.03	0.01
Phosphorus(46% P2O5)	cwt					0.4000				
Potash (60% K2O)	cwt					0.6000				
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct		0.08	0.08	0.08	0.07
Field Cultivate Fld	24'	MFWD 190	0.062	1.00	Oct		0.06	0.06	0.06	0.05
Bedder Roller Fold.	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
2,4-D Amine 4	pt					2.0000				
Valor SX	oz					2.0000				
Plant - Rigid	12R-20	MFWD 190	0.094	1.00	Apr		0.09	0.09	0.18	0.08
Soybean Seed RR	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Nitragin S	oz					2.7500				
Gaicho 600	oz					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Dual Magnum	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
App by Air (5 gal)	appl			0.50	Jul	0.5000				
Quadris	oz					3.0000				
App by Air (5 gal)	appl			0.50	Jul	0.5000				
Karate Z	oz					0.9600				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			0.25	Aug	0.2500				
Intrepid 2F	oz					1.0000				
Surfactant	pt					0.0250				
App by Air (5 gal)	appl			0.25	Aug	0.2500				
Gramoxone Inteon	oz					4.0000				
Sodium Chlorate 3L	gal					0.2500				
Surfactant	pt					0.0500				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Soybeans	bu					65.0000				
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.44	
TOTALS							0.60	0.60	1.10	0.47

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 10.D Estimated costs for field operations, per acre
Soybeans, early-planted, RR, stale seedbed, 12R 20"
Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Subsoiler	3 shank		0.89	0.21	0.87		0.09	2.06	1.26	3.32
Lime (Spread)	ton	7.00					0.32	7.32		7.32
Spin Spreader	5 ton		0.37	0.18	0.51		0.05	1.11	0.72	1.83
Phosphorus(46% P2O5)	cwt	6.14					0.28	6.42		6.42
Potash (60% K2O)	cwt	15.66					0.70	16.36		16.36
Disk Harrow	24'		1.78	1.09	1.75		0.21	4.83	4.06	8.89
Field Cultivate Fld	24'		1.35	0.61	1.33		0.15	3.44	3.42	6.86
Bedder Roller Fold.	8R-38		1.61	0.77	1.58		0.18	4.14	3.43	7.57
App by Air (5 gal)	appl	6.00					0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98					0.21	7.19		7.19
2,4-D Amine 4	pt	4.16					0.12	4.28		4.28
Valor SX	oz	7.88					0.24	8.12		8.12
Plant - Rigid	12R-20		2.05	1.72	2.86		0.15	6.78	5.46	12.24
Soybean Seed RR	lb	49.50					1.11	50.61		50.61
Apron Maxx RTA	oz	1.88					0.04	1.92		1.92
Nitragin S	oz	0.74					0.02	0.76		0.76
Gaucho 600	oz	7.77					0.17	7.94		7.94
Spray (Broadcast)	60'		0.61	0.25	0.74		0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98					0.13	7.11		7.11
Dual Magnum	pt	12.46					0.23	12.69		12.69
Spray (Broadcast)	60'		0.61	0.25	0.74		0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98					0.13	7.11		7.11
App by Air (5 gal)	appl	3.00					0.03	3.03		3.03
Quadris	oz	7.68					0.09	7.77		7.77
App by Air (5 gal)	appl	3.00					0.03	3.03		3.03
Karate Z	oz	3.15					0.04	3.19		3.19
App by Air (5 gal)	appl	6.00					0.05	6.05		6.05
Acephate 90SP	lb	6.29					0.05	6.34		6.34
App by Air (5 gal)	appl	1.50					0.01	1.51		1.51
Intrepid 2F	oz	1.96					0.01	1.97		1.97
Surfactant	pt	0.09						0.09		0.09
App by Air (5 gal)	appl	1.50					0.01	1.51		1.51
Gramoxone Inteon	oz	1.00					0.01	1.01		1.01
Sodium Chlorate 3L	gal	0.75					0.01	0.76		0.76
Surfactant	pt	0.18						0.18		0.18
Header -Soybean	25' Flex		3.09	3.01	2.18		0.03	8.31	11.13	19.44
Haul Soybeans	bu	13.00					0.05	13.05		13.05
Roll-Out Pipe Irr.	acre	6.60	17.72	4.79	4.19		0.49	33.79	44.92	78.71
TOTALS		195.83	30.08	12.88	16.75	0.00	5.68	261.22	76.34	337.56

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 10.E Estimated monthly income and expense flows per acre
 Soybeans, early-planted, RR, stale seedbed, 12R 20"
 Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2010

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	599.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	6.00	9.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00
FERTILIZERS	21.80	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	1.88	0.00	0.00	7.68	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	19.02	0.00	0.00	26.42	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	0.00	3.15	8.25	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	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	0.00	0.00	0.27	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	13.00
CUSTOM LIME	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00
LABOR	6.47	0.00	0.00	0.00	0.00	0.00	2.86	1.71	2.75	0.23	0.00	2.73
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	6.82	0.00	0.00	0.00	0.00	0.00	2.05	1.22	11.19	5.43	0.00	3.37
REPAIR & MAINTENANCE	3.09	0.00	0.00	0.00	0.00	0.00	1.72	0.50	3.69	0.78	0.00	3.10
INTEREST ON OP. CAP.	2.05	0.00	0.00	0.00	0.75	0.00	1.49	0.55	0.35	0.26	0.15	0.08
TOTAL DIRECT EXPENSES	47.23	0.00	0.00	0.00	25.77	0.00	68.01	30.40	24.58	23.53	19.42	22.28
NET INCOME	-47.23	0.00	0.00	0.00	-25.77	0.00	-68.01	-30.40	-24.58	-23.53	-19.42	577.02
NET INCOME TO DATE	-47.23	-47.23	-47.23	-47.23	-73.00	-73.00	-141.01	-171.41	-195.99	-219.52	-238.94	338.08

Note: Cost of production estimates are based on 2009 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. The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

* Lease costs are based on hourly usage costs.

Table 10.F Estimated returns for various price/yield combinations, per acre
 Soybeans, early-planted, RR, stale seedbed, 12R 20"
 Furrow irrigated, 9 ac-in., Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Soybeans			6.91	7.37	7.83	8.29	8.75	9.22	9.68	10.14	10.60	11.06	11.52
PERCENT			-----dollars-----										
YIELD	UNIT												
50	32.50	bu	-29	-14	0	14	29	44	59	74	89	104	119
			-106	-91	-76	-61	-46	-31	-16	-1	13	28	43
60	39.00	bu	13	31	49	67	85	103	121	139	157	175	193
			-62	-44	-26	-8	9	27	45	63	81	99	117
70	45.50	bu	57	78	99	120	141	162	183	204	225	246	267
			-19	1	22	43	64	85	106	127	148	169	190
80	52.00	bu	100	124	148	172	196	220	244	268	292	316	340
			24	48	72	96	120	144	168	192	216	240	264
90	58.50	bu	144	171	198	225	252	279	306	333	360	387	414
			68	95	122	149	176	203	230	257	284	310	337
100	65.00	bu	188	218	248	278	308	338	368	398	427	457	487
			111	141	171	201	231	261	291	321	351	381	411
110	71.50	bu	231	264	297	330	363	396	429	462	495	528	561
			155	188	221	254	287	320	353	386	419	452	485
120	78.00	bu	275	311	347	383	419	455	491	527	563	599	635
			199	235	271	307	343	378	414	450	486	522	558
130	84.50	bu	319	358	397	436	475	513	552	591	630	669	708
			242	281	320	359	398	437	476	515	554	593	632
140	91.00	bu	362	404	446	488	530	572	614	656	698	740	782
			286	328	370	412	454	496	538	580	622	664	705
150	97.50	bu	406	451	496	541	586	631	676	721	766	810	855
			330	375	420	464	509	554	599	644	689	734	779

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 2009 input prices.

Table 11.A Estimated costs per acre
Soybeans, May-planted, RR, 12R 20"
Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.5000	15.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.2800	4.30	_____
Potash (60% K2O)	cwt	26.10	0.4000	10.44	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.75	2.5000	1.88	_____
Quadris	oz	2.56	4.5000	11.52	_____
HERBICIDES					
Dual Magnum	pt	12.46	1.0000	12.46	_____
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
INSECTICIDES					
Gaucho 600	oz	7.77	1.0000	7.77	_____
Karate Z	oz	3.28	1.4400	4.72	_____
Acephate 90SP	lb	8.38	0.7500	6.29	_____
Intrepid 2F	oz	1.96	3.0000	5.88	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.99	50.0000	49.50	_____
ADJUVANTS					
Surfactant	pt	3.68	0.0750	0.28	_____
HAULING					
Haul Soybeans	bu	0.20	30.0000	6.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.2000	7.00	_____
INOCULANT					
Nitragin S	oz	0.27	2.7500	0.74	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.3801	4.28	_____
Harvesters	hour	11.23	0.1021	1.15	_____
HAND LABOR					
Implements	hour	9.06	0.1465	1.33	_____
UNALLOCATED LABOR	hour	11.26	0.4341	4.89	_____
DIESEL FUEL					
Tractors	gal	2.22	3.7182	8.25	_____
Harvesters	gal	2.22	1.3935	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	4.08	1.0000	4.08	_____
Tractors	acre	1.52	1.0000	1.52	_____
Harvesters	acre	2.32	1.0000	2.32	_____
INTEREST ON OP. CAP.	acre	4.13	1.0000	4.13	_____
TOTAL DIRECT EXPENSES				192.78	_____
FIXED EXPENSES					
Implements	acre	9.31	1.0000	9.31	_____
Tractors	acre	10.55	1.0000	10.55	_____
Harvesters	acre	9.99	1.0000	9.99	_____
TOTAL FIXED EXPENSES				29.85	_____
TOTAL SPECIFIED EXPENSES				222.63	_____

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 11.B Summary of estimated costs and returns per acre
Soybeans, May-planted, RR, 12R 20"
Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.22	30.0000	276.60	_____

TOTAL INCOME				276.60	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	15.00	1.0000	15.00	_____
FERTILIZERS	acre	14.74	1.0000	14.74	_____
FUNGICIDES	acre	13.40	1.0000	13.40	_____
HERBICIDES	acre	26.42	1.0000	26.42	_____
INSECTICIDES	acre	24.66	1.0000	24.66	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
ADJUVANTS	acre	0.28	1.0000	0.28	_____
HAULING	acre	6.00	1.0000	6.00	_____
CUSTOM LIME	acre	7.00	1.0000	7.00	_____
INOCULANT	acre	0.74	1.0000	0.74	_____
HAND LABOR	hour	9.06	0.1465	1.33	_____
OPERATOR LABOR	hour	11.23	0.4823	5.43	_____
UNALLOCATED LABOR	hour	11.26	0.4341	4.89	_____
DIESEL FUEL	gal	2.22	5.1118	11.34	_____
REPAIR & MAINTENANCE	acre	7.92	1.0000	7.92	_____
INTEREST ON OP. CAP.	acre	4.13	1.0000	4.13	_____

TOTAL DIRECT EXPENSES				192.78	_____
RETURNS ABOVE DIRECT EXPENSES				83.82	_____
TOTAL FIXED EXPENSES				29.85	_____

TOTAL SPECIFIED EXPENSES				222.63	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				53.97	_____

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 11.C Estimated resource use for field operations, per acre
Soybeans, May-planted, RR, 12R 20"
Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Subsoiler	3 shank	MFWD 190	0.204	0.20	Nov		0.04	0.04	0.04	0.03
Disk Harrow	24'	MFWD 190	0.081	0.25	Nov		0.02	0.02	0.02	0.01
Lime (Spread)	ton			0.20	Nov	0.2000				
Spin Spreader	5 ton	MFWD 190	0.042	0.40	Nov		0.01	0.01	0.03	0.01
Phosphorus(46% P2O5)	cwt					0.2800				
Potash (60% K2O)	cwt					0.4000				
Disk Harrow	24'	MFWD 190	0.081	1.00	Apr		0.08	0.08	0.08	0.07
Field Cultivate Fld	24'	MFWD 190	0.062	1.00	May		0.06	0.06	0.06	0.05
Plant & Pre-Rigid	12R-20	MFWD 190	0.101	1.00	May		0.10	0.10	0.20	0.09
Soybean Seed RR	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Nitragin S	oz					2.7500				
Gaucho 600	oz					1.0000				
Dual Magnum	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jun		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
App by Air (5 gal)	appl			0.75	Jul	0.7500				
Quadris	oz					4.5000				
Karate Z	oz					1.4400				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			0.75	Aug	0.7500				
Intrepid 2F	oz					3.0000				
Surfactant	pt					0.0750				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Oct		0.10	0.10	0.10	0.09
Haul Soybeans	bu					30.0000				
TOTALS							0.48	0.48	0.62	0.43

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 11.D Estimated costs for field operations, per acre
Soybeans, May-planted, RR, 12R 20"
Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Subsoiler	3 shank		0.89	0.21	0.87		0.09	2.06	1.26	3.32
Disk Harrow	24'		0.44	0.27	0.44		0.05	1.20	1.02	2.22
Lime (Spread)	ton	7.00					0.32	7.32		7.32
Spin Spreader	5 ton		0.37	0.18	0.51		0.05	1.11	0.72	1.83
Phosphorus(46% P2O5)	cwt	4.30					0.19	4.49		4.49
Potash (60% K2O)	cwt	10.44					0.47	10.91		10.91
Disk Harrow	24'		1.78	1.09	1.75		0.12	4.74	4.06	8.80
Field Cultivate Fld	24'		1.35	0.61	1.33		0.07	3.36	3.42	6.78
Plant & Pre-Rigid	12R-20		2.20	2.05	3.09		0.17	7.51	6.30	13.81
Soybean Seed RR	lb	49.50					1.11	50.61		50.61
Apron Maxx RTA	oz	1.88					0.04	1.92		1.92
Nitragin S	oz	0.74					0.02	0.76		0.76
Gaucho 600	oz	7.77					0.17	7.94		7.94
Dual Magnum	pt	12.46					0.28	12.74		12.74
Spray (Broadcast)	60'		0.61	0.25	0.74		0.04	1.64	0.97	2.61
Glyphosate 3lbs a.e.	pt	6.98					0.16	7.14		7.14
Spray (Broadcast)	60'		0.61	0.25	0.74		0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98					0.13	7.11		7.11
App by Air (5 gal)	appl	4.50					0.07	4.57		4.57
Quadris	oz	11.52					0.17	11.69		11.69
Karate Z	oz	4.72					0.07	4.79		4.79
App by Air (5 gal)	appl	6.00					0.07	6.07		6.07
Acephate 90SP	lb	6.29					0.07	6.36		6.36
App by Air (5 gal)	appl	4.50					0.05	4.55		4.55
Intrepid 2F	oz	5.88					0.07	5.95		5.95
Surfactant	pt	0.28						0.28		0.28
Header -Soybean	25' Flex		3.09	3.01	2.18		0.03	8.31	11.13	19.44
Haul Soybeans	bu	6.00					0.02	6.02		6.02
TOTALS		157.74	11.34	7.92	11.65	0.00	4.13	192.78	29.85	222.63

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 11.E Estimated monthly income and expense flows per acre
Soybeans, May-planted, RR, 12R 20"
Delta Area, Mississippi, 2010

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	276.60
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	10.50	0.00	0.00
FERTILIZERS	14.74	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	1.88	0.00	11.52	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	19.44	6.98	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	4.72	12.17	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	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	0.00	0.28	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	6.00
CUSTOM LIME	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00
LABOR	1.82	0.00	0.00	0.00	0.00	1.75	5.16	0.74	0.00	0.00	0.00	2.18
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	1.70	0.00	0.00	0.00	0.00	1.78	4.16	0.61	0.00	0.00	0.00	3.09
REPAIR & MAINTENANCE	0.66	0.00	0.00	0.00	0.00	1.09	2.91	0.25	0.00	0.00	0.00	3.01
INTEREST ON OP. CAP.	1.17	0.00	0.00	0.00	0.00	0.12	2.06	0.16	0.31	0.26	0.00	0.05
TOTAL DIRECT EXPENSES	27.09	0.00	0.00	0.00	0.00	4.74	93.62	8.74	21.05	23.21	0.00	14.33
NET INCOME	-27.09	0.00	0.00	0.00	0.00	-4.74	-93.62	-8.74	-21.05	-23.21	0.00	262.27
NET INCOME TO DATE	-27.09	-27.09	-27.09	-27.09	-27.09	-31.83	-125.45	-134.19	-155.24	-178.45	-178.45	83.82

Note: Cost of production estimates are based on 2009 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. The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

* Lease costs are based on hourly usage costs.

Table 11.F Estimated returns for various price/yield combinations, per acre
 Soybeans, May-planted, RR, 12R 20"
 Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Soybeans			6.91	7.37	7.83	8.29	8.75	9.22	9.68	10.14	10.60	11.06	11.52
			-----dollars-----										
PERCENT	YIELD	UNIT											
50	15.00	bu	-86 -115	-79 -108	-72 -102	-65 -95	-58 -88	-51 -81	-44 -74	-37 -67	-30 -60	-23 -53	-16 -46
60	18.00	bu	-65 -95	-57 -87	-49 -79	-41 -70	-32 -62	-24 -54	-16 -45	-7 -37	0 -29	8 -21	17 -12
70	21.00	bu	-45 -75	-36 -65	-26 -56	-16 -46	-7 -36	2 -27	12 -17	22 -7	31 1	41 11	51 21
80	24.00	bu	-25 -55	-14 -44	-3 -33	7 -22	18 -11	29 -0	40 10	51 21	62 33	73 44	85 55
90	27.00	bu	-5 -35	6 -22	19 -10	31 2	44 14	56 26	69 39	81 51	94 64	106 76	118 89
100	30.00	bu	14 -15	28 -1	42 12	56 26	69 40	83 53	97 67	111 81	125 95	139 109	152 123
110	33.00	bu	34 4	50 20	65 35	80 50	95 65	110 81	126 96	141 111	156 126	171 141	186 157
120	36.00	bu	54 25	71 41	88 58	104 74	121 91	137 108	154 124	171 141	187 157	204 174	220 191
130	39.00	bu	75 45	93 63	111 81	129 99	147 117	164 135	182 153	200 171	218 189	236 207	254 225
140	42.00	bu	95 65	114 84	133 104	153 123	172 142	192 162	211 181	230 200	250 220	269 239	288 259
150	45.00	bu	115 85	136 106	156 127	177 147	198 168	219 189	239 210	260 230	281 251	302 272	322 292

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 2009 input prices.

Table 12.A Estimated costs per acre
Soybeans, May-planted, RR, 12R 20"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	3.0000	18.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.4000	6.14	_____
Potash (60% K2O)	cwt	26.10	0.6000	15.66	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.75	2.5000	1.88	_____
Quadris	oz	2.56	6.0000	15.36	_____
HERBICIDES					
Dual Magnum	pt	12.46	1.0000	12.46	_____
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
INSECTICIDES					
Gaicho 600	oz	7.77	1.0000	7.77	_____
Karate Z	oz	3.28	1.9200	6.30	_____
Acephate 90SP	lb	8.38	0.7500	6.29	_____
Intrepid 2F	oz	1.96	4.0000	7.84	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.99	50.0000	49.50	_____
ADJUVANTS					
Surfactant	pt	3.68	0.1000	0.37	_____
HAULING					
Haul Soybeans	bu	0.20	53.0000	10.60	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.00	0.5000	2.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.2000	7.00	_____
INOCULANT					
Nitragin S	oz	0.27	2.7500	0.74	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.6035	6.78	_____
Harvesters	hour	11.23	0.1021	1.15	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3125	2.82	_____
HAND LABOR					
Implements	hour	9.06	0.1465	1.33	_____
UNALLOCATED LABOR	hour	11.26	0.4525	5.10	_____
DIESEL FUEL					
Tractors	gal	2.22	5.5059	12.25	_____
Harvesters	gal	2.22	1.3935	3.09	_____
Contour Flood Irr.	gal	2.22	10.9974	24.42	_____
REPAIR & MAINTENANCE					
Implements	acre	4.88	1.0000	4.88	_____
Tractors	acre	2.25	1.0000	2.25	_____
Harvesters	acre	2.32	1.0000	2.32	_____
Contour Flood Irr.	acre	8.73	1.0000	8.73	_____
INTEREST ON OP. CAP.	acre	5.38	1.0000	5.38	_____
TOTAL DIRECT EXPENSES				262.37	_____
FIXED EXPENSES					
Implements	acre	11.82	1.0000	11.82	_____
Tractors	acre	15.59	1.0000	15.59	_____
Harvesters	acre	9.99	1.0000	9.99	_____
Contour Flood Irr.	acre	31.32	1.0000	31.32	_____
TOTAL FIXED EXPENSES				68.72	_____
TOTAL SPECIFIED EXPENSES				331.09	_____

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 12.B Summary of estimated costs and returns per acre
 Soybeans, May-planted, RR, 12R 20"
 Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.22	53.0000	488.66	_____

TOTAL INCOME				488.66	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	18.00	1.0000	18.00	_____
FERTILIZERS	acre	21.80	1.0000	21.80	_____
FUNGICIDES	acre	17.24	1.0000	17.24	_____
HERBICIDES	acre	26.42	1.0000	26.42	_____
INSECTICIDES	acre	28.20	1.0000	28.20	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
ADJUVANTS	acre	0.37	1.0000	0.37	_____
HAULING	acre	10.60	1.0000	10.60	_____
SURVEY & MARK LEVEES	acre	2.00	1.0000	2.00	_____
CUSTOM LIME	acre	7.00	1.0000	7.00	_____
INOCULANT	acre	0.74	1.0000	0.74	_____
HAND LABOR	hour	9.06	0.1465	1.33	_____
IRRIGATE LABOR	hour	9.06	0.3125	2.82	_____
OPERATOR LABOR	hour	11.23	0.7057	7.93	_____
UNALLOCATED LABOR	hour	11.26	0.4525	5.10	_____
DIESEL FUEL	gal	2.22	17.8970	39.76	_____
REPAIR & MAINTENANCE	acre	18.18	1.0000	18.18	_____
INTEREST ON OP. CAP.	acre	5.38	1.0000	5.38	_____

TOTAL DIRECT EXPENSES				262.37	_____
RETURNS ABOVE DIRECT EXPENSES				226.29	_____
TOTAL FIXED EXPENSES				68.72	_____

TOTAL SPECIFIED EXPENSES				331.09	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				157.57	_____

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 12.C Estimated resource use for field operations, per acre
Soybeans, May-planted, RR, 12R 20"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Disk Harrow	24'	MFWD 190	0.081	1.00	Nov		0.08	0.08	0.08	0.07
Lime (Spread)	ton			0.20	Nov	0.2000				
Spin Spreader	5 ton	MFWD 190	0.042	0.40	Nov		0.01	0.01	0.03	0.01
Phosphorus(46% P2O5)	cwt					0.4000				
Potash (60% K2O)	cwt					0.6000				
Disk Harrow	24'	MFWD 190	0.081	1.00	Apr		0.08	0.08	0.08	0.07
Field Cultivate Fld	24'	MFWD 190	0.062	1.00	May		0.06	0.06	0.06	0.05
Plant & Pre-Rigid	12R-20	MFWD 190	0.101	1.00	May		0.10	0.10	0.20	0.09
Soybean Seed RR	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Nitragin S	oz					2.7500				
Gaucho 600	oz					1.0000				
Dual Magnum	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jun		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Quadris	oz					6.0000				
Karate Z	oz					1.9200				
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				
Intrepid 2F	oz					4.0000				
Surfactant	pt					0.1000				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Oct		0.10	0.10	0.10	0.09
Haul Soybeans	bu					53.0000				
Contour Flood Irr.	acre				Jul	1.0000	0.20	0.20	0.51	
TOTALS							0.70	0.70	1.16	0.45

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 12.D Estimated costs for field operations, per acre
Soybeans, May-planted, RR, 12R 20"
Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Disk Harrow	24'		1.78	1.09	1.75		0.21	4.83	4.06	8.89
Lime (Spread)	ton	7.00					0.32	7.32		7.32
Spin Spreader	5 ton		0.37	0.18	0.51		0.05	1.11	0.72	1.83
Phosphorus(46% P2O5)	cwt	6.14					0.28	6.42		6.42
Potash (60% K2O)	cwt	15.66					0.70	16.36		16.36
Disk Harrow	24'		1.78	1.09	1.75		0.12	4.74	4.06	8.80
Field Cultivate Fld	24'		1.35	0.61	1.33		0.07	3.36	3.42	6.78
Plant & Pre-Rigid	12R-20		2.20	2.05	3.09		0.17	7.51	6.30	13.81
Soybean Seed RR	lb	49.50					1.11	50.61		50.61
Apron Maxx RTA	oz	1.88					0.04	1.92		1.92
Nitragin S	oz	0.74					0.02	0.76		0.76
Gaucho 600	oz	7.77					0.17	7.94		7.94
Dual Magnum	pt	12.46					0.28	12.74		12.74
Spray (Broadcast)	60'		0.61	0.25	0.74		0.04	1.64	0.97	2.61
Glyphosate 3lbs a.e.	pt	6.98					0.16	7.14		7.14
Spray (Broadcast)	60'		0.61	0.25	0.74		0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98					0.13	7.11		7.11
App by Air (5 gal)	appl	6.00					0.09	6.09		6.09
Quadris	oz	15.36					0.23	15.59		15.59
Karate Z	oz	6.30					0.09	6.39		6.39
App by Air (5 gal)	appl	6.00					0.07	6.07		6.07
Acephate 90SP	lb	6.29					0.07	6.36		6.36
App by Air (5 gal)	appl	6.00					0.07	6.07		6.07
Intrepid 2F	oz	7.84					0.09	7.93		7.93
Surfactant	pt	0.37						0.37		0.37
Header -Soybean	25' Flex		3.09	3.01	2.18		0.03	8.31	11.13	19.44
Haul Soybeans	bu	10.60					0.04	10.64		10.64
Contour Flood Irr.	acre	2.00	27.97	9.65	5.09		0.70	45.41	37.09	82.50
TOTALS		181.87	39.76	18.18	17.18	0.00	5.38	262.37	68.72	331.09

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 12.E Estimated monthly income and expense flows per acre
 Soybeans, May-planted, RR, 12R 20"
 Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2010

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	488.66
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	12.00	0.00	0.00
FERTILIZERS	21.80	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	1.88	0.00	15.36	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	19.44	6.98	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	6.30	14.13	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	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	0.00	0.37	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	10.60
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
CUSTOM LIME	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00
LABOR	2.26	0.00	0.00	0.00	0.00	1.75	5.61	2.36	1.44	1.44	0.14	2.18
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.15	0.00	0.00	0.00	0.00	1.78	4.16	10.07	9.15	9.15	0.21	3.09
REPAIR & MAINTENANCE	1.27	0.00	0.00	0.00	0.00	1.09	2.91	6.20	1.82	1.82	0.06	3.01
INTEREST ON OP. CAP.	1.56	0.00	0.00	0.00	0.00	0.12	2.07	0.51	0.60	0.45	0.00	0.07
TOTAL DIRECT EXPENSES	36.04	0.00	0.00	0.00	0.00	4.74	94.08	28.12	40.67	39.36	0.41	18.95
NET INCOME	-36.04	0.00	0.00	0.00	0.00	-4.74	-94.08	-28.12	-40.67	-39.36	-0.41	469.71
NET INCOME TO DATE	-36.04	-36.04	-36.04	-36.04	-36.04	-40.78	-134.86	-162.98	-203.65	-243.01	-243.42	226.29

Note: Cost of production estimates are based on 2009 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. The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

* Lease costs are based on hourly usage costs.

Table 12.F Estimated returns for various price/yield combinations, per acre
 Soybeans, May-planted, RR, 12R 20"
 Flood irrigated, 13.5 ac-in., Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Soybeans			6.91	7.37	7.83	8.29	8.75	9.22	9.68	10.14	10.60	11.06	11.52
PERCENT YIELD UNIT			-----dollars-----										
50	26.50	bu	-73 -142	-61 -130	-49 -118	-37 -105	-24 -93	-12 -81	-0 -69	11 -57	23 -44	36 -32	48 -20
60	31.80	bu	-38 -106	-23 -92	-8 -77	5 -62	20 -48	35 -33	49 -18	64 -4	79 10	93 25	108 39
70	37.10	bu	-2 -71	14 -54	31 -37	48 -20	65 -2	82 14	99 31	117 48	134 65	151 82	168 99
80	42.40	bu	32 -35	52 -16	72 3	91 22	111 42	130 61	150 81	169 101	189 120	208 140	228 159
90	47.70	bu	68 -0	90 21	112 43	134 65	156 87	178 109	200 131	222 153	244 175	266 197	288 219
100	53.00	bu	104 35	128 59	152 84	177 108	201 133	226 157	250 182	275 206	299 230	324 255	348 279
110	58.30	bu	139 70	166 97	193 124	220 151	247 178	274 205	300 232	327 259	354 286	381 312	408 339
120	63.60	bu	175 106	204 135	233 165	263 194	292 223	321 253	351 282	380 311	409 341	439 370	468 399
130	68.90	bu	210 142	242 173	274 205	306 237	337 269	369 300	401 332	433 364	464 396	496 428	528 459
140	74.20	bu	246 177	280 211	314 246	349 280	383 314	417 348	451 382	485 417	520 451	554 485	588 519
150	79.50	bu	282 213	318 249	355 286	392 323	428 359	465 396	501 433	538 469	575 506	611 543	648 579

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 2009 input prices.

Table 13.A Estimated costs per acre
Soybeans after wheat, RR, 12R 20"
Pivot irrigated, 7.5 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	3.0000	18.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.4000	6.14	_____
Potash (60% K2O)	cwt	26.10	0.6000	15.66	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.75	2.5000	1.88	_____
Quadris	oz	2.56	6.0000	15.36	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	5.0000	17.45	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
INSECTICIDES					
Gaucho 600	oz	7.77	1.0000	7.77	_____
Karate Z	oz	3.28	1.7000	5.58	_____
Acephate 90SP	lb	8.38	0.7500	6.29	_____
Intrepid 2F	oz	1.96	4.0000	7.84	_____
Baythroid XL	oz	2.15	2.1300	4.58	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.99	50.0000	49.50	_____
ADJUVANTS					
Surfactant	pt	3.68	0.1000	0.37	_____
HAULING					
Haul Soybeans	bu	0.20	45.0000	9.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.2000	7.00	_____
INOCULANT					
Nitragin S	oz	0.27	2.7500	0.74	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.1889	2.13	_____
Harvesters	hour	11.23	0.1021	1.15	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.0518	0.47	_____
HAND LABOR					
Implements	hour	9.06	0.1536	1.39	_____
UNALLOCATED LABOR	hour	11.22	0.2503	2.81	_____
DIESEL FUEL					
Tractors	gal	2.22	1.8474	4.10	_____
Harvesters	gal	2.22	1.3935	3.09	_____
1/2-mi Pivot Irr.	gal	2.22	14.0014	31.07	_____
REPAIR & MAINTENANCE					
Implements	acre	2.79	1.0000	2.79	_____
Tractors	acre	0.76	1.0000	0.76	_____
Harvesters	acre	2.32	1.0000	2.32	_____
1/2-mi Pivot Irr.	acre	7.07	1.0000	7.07	_____
INTEREST ON OP. CAP.	acre	4.50	1.0000	4.50	_____
TOTAL DIRECT EXPENSES				249.27	_____
FIXED EXPENSES					
Implements	acre	5.35	1.0000	5.35	_____
Tractors	acre	5.24	1.0000	5.24	_____
Harvesters	acre	9.99	1.0000	9.99	_____
1/2-mi Pivot Irr.	acre	28.33	1.0000	28.33	_____
TOTAL FIXED EXPENSES				48.91	_____
TOTAL SPECIFIED EXPENSES				298.18	_____

Note: Cost of production estimates are based on 2009 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. The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 13.B Summary of estimated costs and returns per acre
 Soybeans after wheat, RR, 12R 20"
 Pivot irrigated, 7.5 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.22	45.0000	414.90	_____

TOTAL INCOME				414.90	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	18.00	1.0000	18.00	_____
FERTILIZERS	acre	21.80	1.0000	21.80	_____
FUNGICIDES	acre	17.24	1.0000	17.24	_____
HERBICIDES	acre	29.91	1.0000	29.91	_____
INSECTICIDES	acre	32.06	1.0000	32.06	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
ADJUVANTS	acre	0.37	1.0000	0.37	_____
HAULING	acre	9.00	1.0000	9.00	_____
CUSTOM LIME	acre	7.00	1.0000	7.00	_____
INOCULANT	acre	0.74	1.0000	0.74	_____
HAND LABOR	hour	9.06	0.1536	1.39	_____
IRRIGATE LABOR	hour	9.06	0.0518	0.47	_____
OPERATOR LABOR	hour	11.23	0.2910	3.28	_____
UNALLOCATED LABOR	hour	11.22	0.2503	2.81	_____
DIESEL FUEL	gal	2.22	17.2424	38.26	_____
REPAIR & MAINTENANCE	acre	12.94	1.0000	12.94	_____
INTEREST ON OP. CAP.	acre	4.50	1.0000	4.50	_____

TOTAL DIRECT EXPENSES				249.27	_____
RETURNS ABOVE DIRECT EXPENSES				165.63	_____
TOTAL FIXED EXPENSES				48.91	_____

TOTAL SPECIFIED EXPENSES				298.18	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				116.72	_____

Note: Cost of production estimates are based on 2009 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. The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 13.C Estimated resource use for field operations, per acre
Soybeans after wheat, RR, 12R 20"
Pivot irrigated, 7.5 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.20	Nov	0.2000				
Spin Spreader	5 ton	MFWD 190	0.042	0.40	Nov		0.01	0.01	0.03	0.01
Phosphorus(46% P2O5)	cwt					0.4000				
Potash (60% K2O)	cwt					0.6000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jun		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Plant & Pre-Rigid	12R-20	MFWD 190	0.101	1.00	Jun		0.10	0.10	0.20	0.08
Soybean Seed RR	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Nitragin S	oz					2.7500				
Gaucho 600	oz					1.0000				
Dual Magnum	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jul		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Jul		0.01	0.01	0.02	0.01
Glyphosate 3lbs a.e.	pt					1.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Quadris	oz					6.0000				
Karate Z	oz					1.7000				
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				
Intrepid 2F	oz					4.0000				
Surfactant	pt					0.1000				
Baythroid XL	oz					2.1300				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Oct		0.10	0.10	0.10	0.08
Haul Soybeans	bu					45.0000				
1/2-mi Pivot Irr.	acre				Jul	1.0000			0.05	
TOTALS							0.29	0.29	0.49	0.25

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 13.D Estimated costs for field operations, per acre
Soybeans after wheat, RR, 12R 20"
Pivot irrigated, 7.5 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	7.00						0.32	7.32		7.32
Spin Spreader	5 ton		0.37	0.18	0.50			0.05	1.10	0.72	1.82
Phosphorus(46% P2O5)	cwt	6.14						0.28	6.42		6.42
Potash (60% K2O)	cwt	15.66						0.70	16.36		16.36
Spray (Broadcast)	60'		0.61	0.25	0.72			0.03	1.61	0.97	2.58
Glyphosate 3lbs a.e.	pt	6.98						0.13	7.11		7.11
Plant & Pre-Rigid	12R-20		2.20	2.05	3.04			0.14	7.43	6.30	13.73
Soybean Seed RR	lb	49.50						0.93	50.43		50.43
Apron Maxx RTA	oz	1.88						0.04	1.92		1.92
Nitragin S	oz	0.74						0.01	0.75		0.75
Gaucho 600	oz	7.77						0.15	7.92		7.92
Dual Magnum	pt	12.46						0.23	12.69		12.69
Spray (Broadcast)	60'		0.61	0.25	0.72			0.02	1.60	0.97	2.57
Glyphosate 3lbs a.e.	pt	6.98						0.10	7.08		7.08
Spray (Broadcast)	60'		0.31	0.13	0.36			0.01	0.81	0.49	1.30
Glyphosate 3lbs a.e.	pt	3.49						0.05	3.54		3.54
App by Air (5 gal)	appl	6.00						0.07	6.07		6.07
Quadris	oz	15.36						0.17	15.53		15.53
Karate Z	oz	5.58						0.06	5.64		5.64
App by Air (5 gal)	appl	6.00						0.07	6.07		6.07
Acephate 90SP	lb	6.29						0.07	6.36		6.36
App by Air (5 gal)	appl	6.00						0.07	6.07		6.07
Intrepid 2F	oz	7.84						0.09	7.93		7.93
Surfactant	pt	0.37							0.37		0.37
Baythroid XL	oz	4.58						0.05	4.63		4.63
Header -Soybean	25' Flex		3.09	3.01	2.14			0.03	8.27	11.13	19.40
Haul Soybeans	bu	9.00						0.03	9.03		9.03
1/2-mi Pivot Irr.	acre		31.07	7.07	0.47			0.60	39.21	28.33	67.54
TOTALS		185.62	38.26	12.94	7.95	0.00	4.50	249.27	48.91	298.18	

Note: Cost of production estimates are based on 2009 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.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

Table 13.E Estimated monthly income and expense flows per acre
 Soybeans after wheat, RR, 12R 20"
 Pivot irrigated, 7.5 ac-in., Delta Area, Mississippi, 2010

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	414.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00
FERTILIZERS	21.80	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	1.88	0.00	15.36	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.44	10.47	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	24.29	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	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	0.00	0.37	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	9.00
CUSTOM LIME	7.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.74	0.00	0.00	0.00	0.00
LABOR	0.50	0.00	0.00	0.00	0.00	0.00	0.34	3.80	1.13	0.04	0.00	2.14
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	0.37	0.00	0.00	0.00	0.00	0.00	0.00	12.13	13.35	9.32	0.00	3.09
REPAIR & MAINTENANCE	0.18	0.00	0.00	0.00	0.00	0.00	0.00	8.43	0.92	0.40	0.00	3.01
INTEREST ON OP. CAP.	1.35	0.00	0.00	0.00	0.00	0.00	0.01	1.95	0.37	0.76	0.00	0.06
TOTAL DIRECT EXPENSES	31.20	0.00	0.00	0.00	0.00	0.00	0.35	105.64	26.24	68.54	0.00	17.30
NET INCOME	-31.20	0.00	0.00	0.00	0.00	0.00	-0.35	-105.64	-26.24	-68.54	0.00	397.60
NET INCOME TO DATE	-31.20	-31.20	-31.20	-31.20	-31.20	-31.20	-31.55	-137.19	-163.43	-231.97	-231.97	165.63

Note: Cost of production estimates are based on 2009 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. The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$7 to \$12 per acre.

* Lease costs are based on hourly usage costs.

Table 13.F Estimated returns for various price/yield combinations, per acre
 Soybeans after wheat, RR, 12R 20"
 Pivot irrigated, 7.5 ac-in., Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Soybeans			6.91	7.37	7.83	8.29	8.75	9.22	9.68	10.14	10.60	11.06	11.52
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-89 -138	-78 -127	-68 -117	-58 -106	-47 -96	-37 -86	-26 -75	-16 -65	-6 -55	4 -44	14 -34
60	27.00	bu	-58 -107	-46 -95	-34 -82	-21 -70	-9 -58	3 -45	15 -33	28 -20	40 -8	53 4	65 16
70	31.50	bu	-28 -77	-14 -63	0 -48	14 -34	29 -19	43 -5	58 9	72 24	87 38	101 53	116 67
80	36.00	bu	1 -47	18 -30	34 -14	51 2	67 18	84 35	101 52	117 68	134 85	150 101	167 118
90	40.50	bu	31 -17	50 1	69 20	87 38	106 57	125 76	143 94	162 113	181 132	199 150	218 169
100	45.00	bu	61 12	82 33	103 54	124 75	144 95	165 116	186 137	207 158	227 178	248 199	269 220
110	49.50	bu	92 43	114 66	137 88	160 111	183 134	206 157	229 180	251 202	274 225	297 248	320 271
120	54.00	bu	122 73	147 98	172 123	197 148	221 173	246 197	271 222	296 247	321 272	346 297	371 322
130	58.50	bu	152 103	179 130	206 157	233 184	260 211	287 238	314 265	341 292	368 319	395 346	422 373
140	63.00	bu	182 133	211 162	240 191	269 220	298 250	327 279	357 308	386 337	415 366	444 395	473 424
150	67.50	bu	212 164	244 195	275 226	306 257	337 288	368 319	399 350	430 381	461 413	493 444	524 475

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 2009 input prices.

Table 14.A Estimated costs per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.8000	29.50	_____
Potash (60% K2O)	cwt	26.10	1.3750	35.89	_____
Fert 10-34-0	cwt	19.38	0.5000	9.69	_____
UAN + Sulfur (28%)	cwt	10.13	3.5710	36.17	_____
UAN (32% N)	cwt	10.56	4.3750	46.20	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
Clarity	pt	12.13	0.5000	6.07	_____
Lexar	pt	5.81	3.3000	19.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.95	30.0000	88.50	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	185.0000	37.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.4883	5.49	_____
Harvesters	hour	11.23	0.1009	1.13	_____
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	0.1752	1.59	_____
UNALLOCATED LABOR					
	hour	11.22	0.4597	5.16	_____
DIESEL FUEL					
Tractors	gal	2.22	4.6505	10.32	_____
Harvesters	gal	2.22	1.6890	3.75	_____
Roll-Out Pipe Irr.	gal	2.22	10.5901	23.52	_____
REPAIR & MAINTENANCE					
Implements	acre	6.43	1.0000	6.43	_____
Tractors	acre	1.89	1.0000	1.89	_____
Harvesters	acre	2.58	1.0000	2.58	_____
Roll-Out Pipe Irr.	acre	4.39	1.0000	4.39	_____
INTEREST ON OP. CAP.	acre	10.89	1.0000	10.89	_____
TOTAL DIRECT EXPENSES				452.76	_____
FIXED EXPENSES					
Implements	acre	10.02	1.0000	10.02	_____
Tractors	acre	13.12	1.0000	13.12	_____
Harvesters	acre	11.09	1.0000	11.09	_____
Roll-Out Pipe Irr.	acre	23.61	1.0000	23.61	_____
TOTAL FIXED EXPENSES				57.84	_____
TOTAL SPECIFIED EXPENSES				510.60	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 14.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	185.0000	712.25	_____

TOTAL INCOME				712.25	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	157.45	1.0000	157.45	_____
HERBICIDES	acre	39.20	1.0000	39.20	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	88.50	1.0000	88.50	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	37.00	1.0000	37.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1752	1.59	_____
IRRIGATE LABOR	hour	9.06	0.3875	3.53	_____
OPERATOR LABOR	hour	11.23	0.5893	6.62	_____
UNALLOCATED LABOR	hour	11.22	0.4597	5.16	_____
DIESEL FUEL	gal	2.22	16.9298	37.59	_____
REPAIR & MAINTENANCE	acre	15.29	1.0000	15.29	_____
INTEREST ON OP. CAP.	acre	10.89	1.0000	10.89	_____

TOTAL DIRECT EXPENSES				452.76	_____
RETURNS ABOVE DIRECT EXPENSES				259.49	_____
TOTAL FIXED EXPENSES				57.84	_____

TOTAL SPECIFIED EXPENSES				510.60	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				201.65	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 14.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.8000				
Potash (60% K20)	cwt					1.3750				
Disk Bed w/roller	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	Mar		0.08	0.08	0.16	0.07
Corn Seed BtRR	thous					30.0000				
Fert 10-34-0	cwt					0.5000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					3.5710				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Lexar	pt					3.3000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					4.3750				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	325 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 190	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					185.0000				
Stalk Shredder	20'	MFWD 190	0.082	1.00	Sep		0.08	0.08	0.08	0.07
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.46	
TOTALS							0.58	0.58	1.15	0.45

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.
Intrepid application is necessary only on refuge acres.

Table 14.D Estimated costs for field operations, per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.91	0.45	1.28			0.12	2.76	1.80	4.56
DAP	cwt	29.50						1.33	30.83		30.83
Potash (60% K2O)	cwt	35.89						1.62	37.51		37.51
Disk Bed w/roller	8R-38		1.61	0.66	1.58			0.17	4.02	3.10	7.12
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19		7.19
Clarity	pt	6.07						0.18	6.25		6.25
Plant & Pre-Rigid	8R-38		1.74	1.27	2.44			0.14	5.59	4.26	9.85
Corn Seed BtRR	thous	88.50						2.32	90.82		90.82
Fert 10-34-0	cwt	9.69						0.25	9.94		9.94
Custom Apply Fert	acre	7.00						0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	36.17						0.81	36.98		36.98
Spray (Broadcast)	60'		0.61	0.25	0.74			0.04	1.64	0.97	2.61
Glyphosate 3lbs a.e.	pt	6.98						0.16	7.14		7.14
Lexar	pt	19.17						0.43	19.60		19.60
Fert Appl (Liquid)	8R-38		1.69	1.25	2.00			0.09	5.03	3.32	8.35
UAN (32% N)	cwt	46.20						0.87	47.07		47.07
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Intrepid 2F	oz	7.84						0.12	7.96		7.96
Header - Corn	8R-38		3.75	3.79	2.15			0.04	9.73	13.10	22.83
Grain Cart Corn	700 bu		0.54	0.30	0.53			0.01	1.38	1.07	2.45
Haul Corn	bu	37.00						0.14	37.14		37.14
Stalk Shredder	20'		1.79	2.51	1.76			0.02	6.08	3.74	9.82
Roll-Out Pipe Irr.	acre	6.60	24.95	4.81	4.42			0.62	41.40	26.48	67.88
TOTALS		372.09	37.59	15.29	16.90	0.00	10.89	452.76	57.84	510.60	

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 14.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

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	712.25
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	65.39	0.00	0.00	0.00	0.00	9.69	36.17	46.20	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	26.15	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	7.84	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	88.50	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	7.00	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	37.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.29	0.00	0.00	0.00	0.00	2.44	0.74	2.23	2.98	0.23	0.55	4.44
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	3.34	0.00	0.00	0.00	0.00	1.74	0.61	1.69	17.97	5.88	0.28	6.08
REPAIR & MAINTENANCE	1.34	0.00	0.00	0.00	0.00	1.27	0.25	1.25	3.90	0.59	0.09	6.60
INTEREST ON OP. CAP.	4.10	0.00	0.00	0.00	0.57	2.71	1.60	0.96	0.66	0.07	0.01	0.21
TOTAL DIRECT EXPENSES	94.96	0.00	0.00	0.00	19.62	106.35	72.52	52.33	44.95	6.77	0.93	54.33
NET INCOME	-94.96	0.00	0.00	0.00	-19.62	-106.35	-72.52	-52.33	-44.95	-6.77	-0.93	657.92
NET INCOME TO DATE	-94.96	-94.96	-94.96	-94.96	-114.58	-220.93	-293.45	-345.78	-390.73	-397.50	-398.43	259.49

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

* Lease costs are based on hourly usage costs.

Table 14.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Corn			2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81
PERCENT YIELD UNIT			-----dollars-----										
50	92.50	bu	-167 -224	-149 -207	-131 -189	-113 -171	-95 -153	-78 -135	-60 -118	-42 -100	-24 -82	-6 -64	10 -46
60	111.00	bu	-117 -175	-96 -153	-74 -132	-53 -111	-31 -89	-10 -68	10 -47	32 -25	53 -4	74 17	96 38
70	129.50	bu	-67 -125	-42 -100	-17 -75	7 -50	32 -25	56 -0	81 24	106 48	131 73	156 98	181 123
80	148.00	bu	-17 -75	10 -47	38 -18	67 9	95 38	124 66	152 95	181 123	209 152	238 180	266 209
90	166.50	bu	31 -26	63 5	95 37	127 70	159 102	191 134	224 166	256 198	288 230	320 262	352 294
100	185.00	bu	81 23	117 59	152 94	188 130	223 166	259 201	295 237	330 272	366 308	401 344	437 379
110	203.50	bu	131 73	170 112	209 151	248 190	287 229	327 269	366 308	405 347	444 386	483 425	522 465
120	222.00	bu	180 122	223 165	266 208	309 251	351 293	394 336	437 379	479 422	522 464	565 507	608 550
130	240.50	bu	230 172	276 218	323 265	369 311	415 357	462 404	508 450	554 496	600 543	647 589	693 635
140	259.00	bu	280 222	330 272	379 322	429 371	479 421	529 471	579 521	629 571	679 621	728 671	778 720
150	277.50	bu	329 272	383 325	436 378	490 432	543 485	597 539	650 592	703 646	757 699	810 752	864 806

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 2009 input prices.

Table 15.A Estimated costs per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.0870	17.82	_____
Potash (60% K2O)	cwt	26.10	0.8300	21.66	_____
Fert 10-34-0	cwt	19.38	0.5000	9.69	_____
UAN + Sulfur (28%)	cwt	10.13	2.1430	21.71	_____
UAN (32% N)	cwt	10.56	3.2815	34.65	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
Clarity	pt	12.13	0.5000	6.07	_____
Lexar	pt	5.81	3.3000	19.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.95	26.0000	76.70	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.4098	4.60	_____
Harvesters	hour	11.23	0.1009	1.13	_____
HAND LABOR					
Implements	hour	9.06	0.1752	1.59	_____
UNALLOCATED LABOR	hour	11.22	0.4597	5.16	_____
DIESEL FUEL					
Tractors	gal	2.22	4.0079	8.89	_____
Harvesters	gal	2.22	1.3770	3.06	_____
REPAIR & MAINTENANCE					
Implements	acre	6.26	1.0000	6.26	_____
Tractors	acre	1.64	1.0000	1.64	_____
Harvesters	acre	2.29	1.0000	2.29	_____
INTEREST ON OP. CAP.	acre	8.19	1.0000	8.19	_____
TOTAL DIRECT EXPENSES				334.58	_____
FIXED EXPENSES					
Implements	acre	8.91	1.0000	8.91	_____
Tractors	acre	11.36	1.0000	11.36	_____
Harvesters	acre	9.88	1.0000	9.88	_____
TOTAL FIXED EXPENSES				30.15	_____
TOTAL SPECIFIED EXPENSES				364.73	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 15.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____

TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	105.53	1.0000	105.53	_____
HERBICIDES	acre	39.20	1.0000	39.20	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	76.70	1.0000	76.70	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1752	1.59	_____
OPERATOR LABOR	hour	11.23	0.5107	5.73	_____
UNALLOCATED LABOR	hour	11.22	0.4597	5.16	_____
DIESEL FUEL	gal	2.22	5.3850	11.95	_____
REPAIR & MAINTENANCE	acre	10.19	1.0000	10.19	_____
INTEREST ON OP. CAP.	acre	8.19	1.0000	8.19	_____

TOTAL DIRECT EXPENSES				334.58	_____
RETURNS ABOVE DIRECT EXPENSES				185.17	_____
TOTAL FIXED EXPENSES				30.15	_____

TOTAL SPECIFIED EXPENSES				364.73	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				155.02	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 15.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
Disk Bed w/roller	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	Mar		0.08	0.08	0.16	0.07
Corn Seed BtRR	thous					26.0000				
Fert 10-34-0	cwt					0.5000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					2.1430				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Lexar	pt					3.3000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					3.2815				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 190	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	MFWD 190	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.51	0.51	0.68	0.45

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.
Intrepid application is necessary only on refuge acres.

Table 15.D Estimated costs for field operations, per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.91	0.45	1.28			0.12	2.76	1.80	4.56
DAP	cwt	17.82						0.80	18.62		18.62
Potash (60% K20)	cwt	21.66						0.97	22.63		22.63
Disk Bed w/roller	8R-38		1.61	0.66	1.58			0.17	4.02	3.10	7.12
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19		7.19
Clarity	pt	6.07						0.18	6.25		6.25
Plant & Pre-Rigid	8R-38		1.74	1.27	2.44			0.14	5.59	4.26	9.85
Corn Seed BtRR	thous	76.70						2.01	78.71		78.71
Fert 10-34-0	cwt	9.69						0.25	9.94		9.94
Custom Apply Fert	acre	7.00						0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	21.71						0.49	22.20		22.20
Spray (Broadcast)	60'		0.61	0.25	0.74			0.04	1.64	0.97	2.61
Glyphosate 3lbs a.e.	pt	6.98						0.16	7.14		7.14
Lexar	pt	19.17						0.43	19.60		19.60
Fert Appl (Liquid)	8R-38		1.69	1.25	2.00			0.09	5.03	3.32	8.35
UAN (32% N)	cwt	34.65						0.65	35.30		35.30
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Intrepid 2F	oz	7.84						0.12	7.96		7.96
Header - Corn	8R-38		3.06	3.50	2.15			0.03	8.74	11.89	20.63
Grain Cart Corn	700 bu		0.54	0.30	0.53			0.01	1.38	1.07	2.45
Haul Corn	bu	27.00						0.10	27.10		27.10
Stalk Shredder	20'		1.79	2.51	1.76			0.02	6.08	3.74	9.82
TOTALS		291.77	11.95	10.19	12.48	0.00	8.19	334.58	30.15	364.73	

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 15.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

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	519.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	39.48	0.00	0.00	0.00	0.00	9.69	21.71	34.65	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	26.15	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	7.84	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	76.70	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	7.00	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	27.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.86	0.00	0.00	0.00	0.00	2.44	0.74	2.00	0.00	0.00	0.00	4.44
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	2.52	0.00	0.00	0.00	0.00	1.74	0.61	1.69	0.00	0.00	0.00	5.39
REPAIR & MAINTENANCE	1.11	0.00	0.00	0.00	0.00	1.27	0.25	1.25	0.00	0.00	0.00	6.31
INTEREST ON OP. CAP.	2.85	0.00	0.00	0.00	0.57	2.40	1.28	0.74	0.19	0.00	0.00	0.16
TOTAL DIRECT EXPENSES	66.32	0.00	0.00	0.00	19.62	94.24	57.74	40.33	13.03	0.00	0.00	43.30
NET INCOME	-66.32	0.00	0.00	0.00	-19.62	-94.24	-57.74	-40.33	-13.03	0.00	0.00	476.45
NET INCOME TO DATE	-66.32	-66.32	-66.32	-66.32	-85.94	-180.18	-237.92	-278.25	-291.28	-291.28	-291.28	185.17

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

* Lease costs are based on hourly usage costs.

Table 15.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Corn			2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-126	-113	-100	-87	-74	-61	-48	-35	-22	-9	3
			-156	-143	-130	-117	-104	-91	-78	-65	-52	-39	-26
60	81.00	bu	-89	-74	-58	-43	-27	-11	3	19	34	50	66
			-120	-104	-88	-73	-57	-42	-26	-10	4	20	35
70	94.50	bu	-53	-35	-17	0	19	37	55	73	91	110	128
			-83	-65	-47	-29	-10	7	25	43	61	79	98
80	108.00	bu	-17	3	24	45	65	86	107	128	149	169	190
			-47	-26	-5	14	35	56	77	98	118	139	160
90	121.50	bu	18	42	65	89	112	135	159	182	206	229	252
			-11	12	35	58	82	105	129	152	175	199	222
100	135.00	bu	55	81	107	133	159	185	211	237	263	289	315
			25	51	77	103	129	155	181	206	232	258	284
110	148.50	bu	91	120	148	177	205	234	263	291	320	348	377
			61	89	118	147	175	204	232	261	290	318	347
120	162.00	bu	127	158	190	221	252	283	314	346	377	408	439
			97	128	159	191	222	253	284	315	347	378	409
130	175.50	bu	164	197	231	265	299	332	366	400	434	468	501
			133	167	201	235	269	302	336	370	404	437	471
140	189.00	bu	200	236	273	309	345	382	418	454	491	527	564
			170	206	242	279	315	352	388	424	461	497	533
150	202.50	bu	236	275	314	353	392	431	470	509	548	587	626
			206	245	284	323	362	401	440	479	518	557	596

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 2009 input prices.

Table 16.A Estimated costs per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.8000	29.50	_____
Potash (60% K2O)	cwt	26.10	1.3750	35.89	_____
UAN + Sulfur (28%)	cwt	10.13	3.5710	36.17	_____
UAN (32% N)	cwt	10.56	4.3750	46.20	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	2.0000	6.98	_____
Clarity	pt	12.13	0.5000	6.07	_____
Atrazine 4L	pt	2.52	4.0000	10.08	_____
Dual II Magnum	pt	13.22	1.3300	17.58	_____
Accent SP	oz	29.01	0.1675	4.86	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Corn Seed RR	thous	2.72	30.0000	81.60	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	185.0000	37.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.7718	8.68	_____
Harvesters	hour	11.23	0.1009	1.13	_____
Self-Propelled	hour	11.23	0.0044	0.05	_____
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	0.1554	1.41	_____
Self-Propelled	hour	9.06	0.0022	0.02	_____
UNALLOCATED LABOR	hour	11.19	0.7187	8.05	_____
DIESEL FUEL					
Tractors	gal	2.22	7.4227	16.49	_____
Harvesters	gal	2.22	1.3770	3.06	_____
Self-Propelled	gal	2.22	0.0396	0.09	_____
Roll-Out Pipe Irr.	gal	2.22	10.5901	23.52	_____
REPAIR & MAINTENANCE					
Implements	acre	7.50	1.0000	7.50	_____
Tractors	acre	3.04	1.0000	3.04	_____
Harvesters	acre	2.29	1.0000	2.29	_____
Self-Propelled	acre	0.03	1.0000	0.03	_____
Roll-Out Pipe Irr.	acre	4.39	1.0000	4.39	_____
INTEREST ON OP. CAP.	acre	11.11	1.0000	11.11	_____
TOTAL DIRECT EXPENSES				456.26	_____
FIXED EXPENSES					
Implements	acre	13.36	1.0000	13.36	_____
Tractors	acre	20.98	1.0000	20.98	_____
Harvesters	acre	9.88	1.0000	9.88	_____
Self-Propelled	acre	0.25	1.0000	0.25	_____
Roll-Out Pipe Irr.	acre	23.61	1.0000	23.61	_____
TOTAL FIXED EXPENSES				68.08	_____
TOTAL SPECIFIED EXPENSES				524.34	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 16.B Summary of estimated costs and returns per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	185.0000	712.25	_____

TOTAL INCOME				712.25	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	147.76	1.0000	147.76	_____
HERBICIDES	acre	45.57	1.0000	45.57	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	81.60	1.0000	81.60	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	37.00	1.0000	37.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1576	1.43	_____
IRRIGATE LABOR	hour	9.06	0.3875	3.53	_____
OPERATOR LABOR	hour	11.23	0.8771	9.86	_____
UNALLOCATED LABOR	hour	11.19	0.7187	8.05	_____
DIESEL FUEL	gal	2.22	19.4296	43.16	_____
REPAIR & MAINTENANCE	acre	17.25	1.0000	17.25	_____
INTEREST ON OP. CAP.	acre	11.11	1.0000	11.11	_____

TOTAL DIRECT EXPENSES				456.26	_____
RETURNS ABOVE DIRECT EXPENSES				255.99	_____
TOTAL FIXED EXPENSES				68.08	_____

TOTAL SPECIFIED EXPENSES				524.34	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				187.91	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 16.C Estimated resource use for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Subsoiler	3 shank	MFWD 190	0.204	0.50	Oct			0.10	0.10	0.09
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct		0.08	0.08	0.08	0.07
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.8000				
Potash (60% K2O)	cwt					1.3750				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	Mar		0.05	0.05	0.05	0.05
Plant - Rigid	8R-38	MFWD 190	0.074	1.00	Mar		0.07	0.07	0.14	0.06
Corn Seed RR	thous					30.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					3.5710				
Atrazine 4L	pt					4.0000				
Dual II Magnum	pt					1.3300				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					4.3750				
Sprayer 600-750gal	60' 175hp		0.017	0.25	May			0.00	0.00	0.00
Accent SP	oz					0.1675				
Cultivate	8R-38	MFWD 190	0.073	1.00	May		0.07	0.07	0.07	0.06
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 190	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					185.0000				
Stalk Shredder	20'	MFWD 190	0.082	1.00	Sep		0.08	0.08	0.08	0.07
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.46	
TOTALS							0.87	0.87	1.42	0.71

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 16.D Estimated costs for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Subsoiler	3 shank		2.22	0.52	2.18		0.22	5.14	3.15	8.29
Disk Harrow	24'		1.78	1.09	1.75		0.21	4.83	4.06	8.89
Lime (Spread)	ton	17.50					0.79	18.29		18.29
Spin Spreader	5 ton		0.91	0.45	1.28		0.12	2.76	1.80	4.56
DAP	cwt	29.50					1.33	30.83		30.83
Potash (60% K2O)	cwt	35.89					1.62	37.51		37.51
Disk Bed (Hipper)Rdg	8R-38		1.61	0.59	1.58		0.17	3.95	2.88	6.83
App by Air (5 gal)	appl	6.00					0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98					0.21	7.19		7.19
Clarity	pt	6.07					0.18	6.25		6.25
Row Cond Rigid	26'		1.30	0.41	1.27		0.08	3.06	2.47	5.53
Plant - Rigid	8R-38		1.62	1.05	2.27		0.13	5.07	3.65	8.72
Corn Seed RR	thous	81.60					2.14	83.74		83.74
Custom Apply Fert	acre	7.00					0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	36.17					0.81	36.98		36.98
Atrazine 4L	pt	10.08					0.23	10.31		10.31
Dual II Magnum	pt	17.58					0.40	17.98		17.98
Fert Appl (Liquid)	8R-38		1.69	1.25	2.00		0.09	5.03	3.32	8.35
UAN (32% N)	cwt	46.20					0.87	47.07		47.07
Sprayer 600-750gal	60' 175hp		0.09	0.03	0.11			0.23	0.25	0.48
Accent SP	oz	4.86					0.09	4.95		4.95
Cultivate	8R-38		1.60	0.74	1.57		0.07	3.98	3.32	7.30
App by Air (3 gal)	appl	5.00					0.07	5.07		5.07
Intrepid 2F	oz	7.84					0.12	7.96		7.96
Header - Corn	8R-38		3.06	3.50	2.15		0.03	8.74	11.89	20.63
Grain Cart Corn	700 bu		0.54	0.30	0.53		0.01	1.38	1.07	2.45
Haul Corn	bu	37.00					0.14	37.14		37.14
Stalk Shredder	20'		1.79	2.51	1.76		0.02	6.08	3.74	9.82
Roll-Out Pipe Irr.	acre	6.60	24.95	4.81	4.42		0.62	41.40	26.48	67.88
TOTALS		361.87	43.16	17.25	22.87	0.00	11.11	456.26	68.08	524.34

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 16.E Estimated monthly income and expense flows per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2010

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	712.25
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	65.39	0.00	0.00	0.00	0.00	0.00	36.17	46.20	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	27.66	4.86	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	7.84	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	81.60	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	7.00	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	37.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	7.22	0.00	0.00	0.00	0.00	3.54	0.00	3.91	2.98	0.23	0.55	4.44
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	7.34	0.00	0.00	0.00	0.00	2.92	0.00	3.38	17.97	5.88	0.28	5.39
REPAIR & MAINTENANCE	2.88	0.00	0.00	0.00	0.00	1.46	0.00	2.02	3.90	0.59	0.09	6.31
INTEREST ON OP. CAP.	4.53	0.00	0.00	0.00	0.57	2.35	1.60	1.12	0.66	0.07	0.01	0.20
TOTAL DIRECT EXPENSES	104.86	0.00	0.00	0.00	19.62	91.87	72.43	61.49	44.95	6.77	0.93	53.34
NET INCOME	-104.86	0.00	0.00	0.00	-19.62	-91.87	-72.43	-61.49	-44.95	-6.77	-0.93	658.91
NET INCOME TO DATE	-104.86	-104.86	-104.86	-104.86	-124.48	-216.35	-288.78	-350.27	-395.22	-401.99	-402.92	255.99

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 16.F Estimated returns for various price/yield combinations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi, 2010

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----PRODUCT PRICE-----													
Corn	2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81		
PERCENT	YIELD	UNIT	-----dollars-----										
50	92.50	bu	-170	-152	-134	-117	-99	-81	-63	-45	-28	-10	7
			-238	-220	-203	-185	-167	-149	-131	-114	-96	-78	-60
60	111.00	bu	-120	-99	-78	-56	-35	-14	7	28	50	71	92
			-188	-167	-146	-124	-103	-82	-60	-39	-18	3	24
70	129.50	bu	-71	-46	-21	3	28	53	78	103	128	153	178
			-139	-114	-89	-64	-39	-14	10	35	60	85	110
80	148.00	bu	-21	7	35	63	92	120	149	177	206	234	263
			-89	-61	-32	-4	24	52	81	109	138	166	195
90	166.50	bu	28	60	92	124	156	188	220	252	284	316	348
			-39	-7	24	56	88	120	152	184	216	248	280
100	185.00	bu	77	113	149	184	220	255	291	327	362	398	434
			9	45	81	116	152	187	223	259	294	330	365
110	203.50	bu	127	166	205	245	284	323	362	401	441	480	519
			59	98	137	177	216	255	294	333	372	412	451
120	222.00	bu	177	220	262	305	348	391	433	476	519	561	604
			109	151	194	237	280	322	365	408	451	493	536
130	240.50	bu	227	273	319	365	412	458	504	551	597	643	690
			158	205	251	297	344	390	436	483	529	575	621
140	259.00	bu	276	326	376	426	476	526	575	625	675	725	775
			208	258	308	358	408	457	507	557	607	657	707
150	277.50	bu	326	379	433	486	540	593	646	700	753	807	860
			258	311	365	418	472	525	578	632	685	739	792

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 2009 input prices.

Table 17.A Estimated costs per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.0870	17.82	_____
Potash (60% K2O)	cwt	26.10	0.8300	21.66	_____
UAN + Sulfur (28%)	cwt	10.13	2.1430	21.71	_____
UAN (32% N)	cwt	10.56	3.2815	34.65	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	2.0000	6.98	_____
Clarity	pt	12.13	0.5000	6.07	_____
Atrazine 4L	pt	2.52	4.0000	10.08	_____
Dual II Magnum	pt	13.22	1.3300	17.58	_____
Accent SP	oz	29.01	0.1675	4.86	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
SEED/PLANTS					
Corn Seed RR	thous	2.72	26.0000	70.72	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.6196	6.96	_____
Harvesters	hour	11.23	0.1009	1.13	_____
Self-Propelled	hour	11.23	0.0044	0.05	_____
HAND LABOR					
Implements	hour	9.06	0.1554	1.41	_____
Self-Propelled	hour	9.06	0.0022	0.02	_____
UNALLOCATED LABOR	hour	11.20	0.6524	7.31	_____
DIESEL FUEL					
Tractors	gal	2.22	6.0597	13.46	_____
Harvesters	gal	2.22	1.3770	3.06	_____
Self-Propelled	gal	2.22	0.0396	0.09	_____
REPAIR & MAINTENANCE					
Implements	acre	6.89	1.0000	6.89	_____
Tractors	acre	2.49	1.0000	2.49	_____
Harvesters	acre	2.29	1.0000	2.29	_____
Self-Propelled	acre	0.03	1.0000	0.03	_____
INTEREST ON OP. CAP.	acre	8.38	1.0000	8.38	_____
TOTAL DIRECT EXPENSES				336.04	_____
FIXED EXPENSES					
Implements	acre	10.97	1.0000	10.97	_____
Tractors	acre	17.18	1.0000	17.18	_____
Harvesters	acre	9.88	1.0000	9.88	_____
Self-Propelled	acre	0.25	1.0000	0.25	_____
TOTAL FIXED EXPENSES				38.28	_____
TOTAL SPECIFIED EXPENSES				374.32	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 17.B Summary of estimated costs and returns per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____

TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	95.84	1.0000	95.84	_____
HERBICIDES	acre	45.57	1.0000	45.57	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	70.72	1.0000	70.72	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1576	1.43	_____
OPERATOR LABOR	hour	11.23	0.7249	8.14	_____
UNALLOCATED LABOR	hour	11.20	0.6524	7.31	_____
DIESEL FUEL	gal	2.22	7.4764	16.61	_____
REPAIR & MAINTENANCE	acre	11.70	1.0000	11.70	_____
INTEREST ON OP. CAP.	acre	8.38	1.0000	8.38	_____

TOTAL DIRECT EXPENSES				336.04	_____
RETURNS ABOVE DIRECT EXPENSES				183.71	_____
TOTAL FIXED EXPENSES				38.28	_____

TOTAL SPECIFIED EXPENSES				374.32	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				145.43	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 17.C Estimated resource use for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Subsoiler	3 shank	MFWD 190	0.204	0.50	Oct		0.10	0.10	0.10	0.09
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct		0.08	0.08	0.08	0.07
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	Mar		0.05	0.05	0.05	0.05
Plant - Rigid	8R-38	MFWD 190	0.074	1.00	Mar		0.07	0.07	0.14	0.06
Corn Seed RR	thous					26.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					2.1430				
Atrazine 4L	pt					4.0000				
Dual II Magnum	pt					1.3300				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					3.2815				
Sprayer 600-750gal	60' 175hp		0.017	0.25	May			0.00	0.00	0.00
Accent SP	oz					0.1675				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 190	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	MFWD 190	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.72	0.72	0.88	0.65

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 17.D Estimated costs for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Subsoiler	3 shank		2.22	0.52	2.18			0.22	5.14	3.15	8.29
Disk Harrow	24'		1.78	1.09	1.75			0.21	4.83	4.06	8.89
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.91	0.45	1.28			0.12	2.76	1.80	4.56
DAP	cwt	17.82						0.80	18.62		18.62
Potash (60% K20)	cwt	21.66						0.97	22.63		22.63
Disk Bed (Hipper)Rdg	8R-38		1.61	0.59	1.58			0.17	3.95	2.88	6.83
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19		7.19
Clarity	pt	6.07						0.18	6.25		6.25
Row Cond Rigid	26'		1.30	0.41	1.27			0.08	3.06	2.47	5.53
Plant - Rigid	8R-38		1.62	1.05	2.27			0.13	5.07	3.65	8.72
Corn Seed RR	thous	70.72						1.86	72.58		72.58
Custom Apply Fert	acre	7.00						0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	21.71						0.49	22.20		22.20
Atrazine 4L	pt	10.08						0.23	10.31		10.31
Dual II Magnum	pt	17.58						0.40	17.98		17.98
Fert Appl (Liquid)	8R-38		1.69	1.25	2.00			0.09	5.03	3.32	8.35
UAN (32% N)	cwt	34.65						0.65	35.30		35.30
Sprayer 600-750gal	60' 175hp		0.09	0.03	0.11				0.23	0.25	0.48
Accent SP	oz	4.86						0.09	4.95		4.95
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Intrepid 2F	oz	7.84						0.12	7.96		7.96
Header - Corn	8R-38		3.06	3.50	2.15			0.03	8.74	11.89	20.63
Grain Cart Corn	700 bu		0.54	0.30	0.53			0.01	1.38	1.07	2.45
Haul Corn	bu	27.00						0.10	27.10		27.10
Stalk Shredder	20'		1.79	2.51	1.76			0.02	6.08	3.74	9.82
TOTALS		282.47	16.61	11.70	16.88	0.00	8.38	336.04	38.28	374.32	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 17.E Estimated monthly income and expense flows per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

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	519.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	39.48	0.00	0.00	0.00	0.00	0.00	21.71	34.65	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	27.66	4.86	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	7.84	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	70.72	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	7.00	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	27.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	6.79	0.00	0.00	0.00	0.00	3.54	0.00	2.11	0.00	0.00	0.00	4.44
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	6.52	0.00	0.00	0.00	0.00	2.92	0.00	1.78	0.00	0.00	0.00	5.39
REPAIR & MAINTENANCE	2.65	0.00	0.00	0.00	0.00	1.46	0.00	1.28	0.00	0.00	0.00	6.31
INTEREST ON OP. CAP.	3.28	0.00	0.00	0.00	0.57	2.07	1.28	0.83	0.19	0.00	0.00	0.16
TOTAL DIRECT EXPENSES	76.22	0.00	0.00	0.00	19.62	80.71	57.65	45.51	13.03	0.00	0.00	43.30
NET INCOME	-76.22	0.00	0.00	0.00	-19.62	-80.71	-57.65	-45.51	-13.03	0.00	0.00	476.45
NET INCOME TO DATE	-76.22	-76.22	-76.22	-76.22	-95.84	-176.55	-234.20	-279.71	-292.74	-292.74	-292.74	183.71

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 17.F Estimated returns for various price/yield combinations, per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----PRODUCT PRICE-----													
Corn	2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81		
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-127	-114	-101	-88	-75	-62	-49	-36	-23	-10	2
			-165	-152	-139	-126	-113	-100	-87	-74	-61	-48	-35
60	81.00	bu	-91	-75	-60	-44	-28	-13	2	17	33	49	64
			-129	-114	-98	-82	-67	-51	-36	-20	-4	10	26
70	94.50	bu	-55	-36	-18	-0	17	35	54	72	90	108	126
			-93	-75	-56	-38	-20	-2	15	34	52	70	88
80	108.00	bu	-18	2	22	43	64	85	105	126	147	168	189
			-57	-36	-15	5	26	46	67	88	109	130	150
90	121.50	bu	17	40	64	87	111	134	157	181	204	228	251
			-20	2	25	49	72	96	119	142	166	189	213
100	135.00	bu	53	79	105	131	157	183	209	235	261	287	313
			15	41	67	93	119	145	171	197	223	249	275
110	148.50	bu	90	118	147	175	204	232	261	290	318	347	375
			51	80	108	137	166	194	223	251	280	309	337
120	162.00	bu	126	157	188	219	251	282	313	344	375	406	438
			88	119	150	181	212	243	275	306	337	368	399
130	175.50	bu	162	196	230	263	297	331	365	399	432	466	500
			124	158	191	225	259	293	327	360	394	428	462
140	189.00	bu	198	235	271	308	344	380	417	453	489	526	562
			160	196	233	269	306	342	378	415	451	488	524
150	202.50	bu	235	274	313	352	391	430	469	507	546	585	624
			196	235	274	313	352	391	430	469	508	547	586

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 2009 input prices.

Table 18.A Estimated costs per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.0870	17.82	_____
Potash (60% K2O)	cwt	26.10	0.8300	21.66	_____
UAN + Sulfur (28%)	cwt	10.13	2.1430	21.71	_____
UAN (32% N)	cwt	10.56	3.2815	34.65	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	2.0000	6.98	_____
Clarity	pt	12.13	0.5000	6.07	_____
Atrazine 4L	pt	2.52	4.0000	10.08	_____
Dual II Magnum	pt	13.22	1.3300	17.58	_____
Steadfast	oz	23.27	0.3750	8.73	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
SEED/PLANTS					
Corn Seed RR	thous	2.72	28.0000	76.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.5682	6.38	_____
Harvesters	hour	11.23	0.1277	1.43	_____
HAND LABOR					
Implements	hour	9.06	0.1995	1.80	_____
UNALLOCATED LABOR	hour	11.22	0.6263	7.03	_____
DIESEL FUEL					
Tractors	gal	2.22	4.9725	11.04	_____
Harvesters	gal	2.22	1.7419	3.87	_____
REPAIR & MAINTENANCE					
Implements	acre	7.66	1.0000	7.66	_____
Tractors	acre	2.19	1.0000	2.19	_____
Harvesters	acre	2.90	1.0000	2.90	_____
INTEREST ON OP. CAP.	acre	8.43	1.0000	8.43	_____
TOTAL DIRECT EXPENSES				344.51	_____
FIXED EXPENSES					
Implements	acre	11.88	1.0000	11.88	_____
Tractors	acre	15.16	1.0000	15.16	_____
Harvesters	acre	12.49	1.0000	12.49	_____
TOTAL FIXED EXPENSES				39.53	_____
TOTAL SPECIFIED EXPENSES				384.04	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 18.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____

TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	95.84	1.0000	95.84	_____
HERBICIDES	acre	49.44	1.0000	49.44	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	76.16	1.0000	76.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1995	1.80	_____
OPERATOR LABOR	hour	11.23	0.6959	7.81	_____
UNALLOCATED LABOR	hour	11.22	0.6263	7.03	_____
DIESEL FUEL	gal	2.22	6.7145	14.91	_____
REPAIR & MAINTENANCE	acre	12.75	1.0000	12.75	_____
INTEREST ON OP. CAP.	acre	8.43	1.0000	8.43	_____

TOTAL DIRECT EXPENSES				344.51	_____
RETURNS ABOVE DIRECT EXPENSES				175.24	_____
TOTAL FIXED EXPENSES				39.53	_____

TOTAL SPECIFIED EXPENSES				384.04	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				135.71	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 18.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
Disk - Heavy	21'	MFWD 170	0.097	1.00	Oct		0.09	0.09	0.09	0.08
Disk Bed w/roller	8R-30	MFWD 170	0.093	1.00	Oct		0.09	0.09	0.09	0.08
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Plant - Rigid	8R-30	MFWD 170	0.094	1.00	Mar		0.09	0.09	0.18	0.08
Corn Seed RR	thous					28.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					2.1430				
Atrazine 4L	pt					4.0000				
Dual II Magnum	pt					1.3300				
Fert Appl (Liquid)	8R-30	MFWD 170	0.098	1.00	May		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					3.2815				
Spray (Broadcast)	60'	MFWD 170	0.028	1.00	May		0.02	0.02	0.04	0.02
Steadfast	oz					0.3750				
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 170	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	MFWD 170	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.69	0.69	0.89	0.62

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 18.D Estimated costs for field operations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.82	0.44	1.28			0.11	2.65	1.75	4.40
DAP	cwt	17.82						0.80	18.62		18.62
Potash (60% K20)	cwt	21.66						0.97	22.63		22.63
Disk - Heavy	21'		1.89	1.19	2.07			0.23	5.38	4.49	9.87
Disk Bed w/roller	8R-30		1.82	0.81	2.00			0.21	4.84	3.82	8.66
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19		7.19
Clarity	pt	6.07						0.18	6.25		6.25
Plant - Rigid	8R-30		1.83	1.42	2.86			0.16	6.27	4.77	11.04
Corn Seed RR	thous	76.16						2.00	78.16		78.16
Custom Apply Fert	acre	7.00						0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	21.71						0.49	22.20		22.20
Atrazine 4L	pt	10.08						0.23	10.31		10.31
Dual II Magnum	pt	17.58						0.40	17.98		17.98
Fert Appl (Liquid)	8R-30		1.91	1.46	2.53			0.11	6.01	3.96	9.97
UAN (32% N)	cwt	34.65						0.65	35.30		35.30
Spray (Broadcast)	60'		0.55	0.25	0.74			0.03	1.57	0.94	2.51
Steadfast	oz	8.73						0.16	8.89		8.89
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Intrepid 2F	oz	7.84						0.12	7.96		7.96
Header - Corn	8R-30		3.87	4.38	2.72			0.04	11.01	14.95	25.96
Grain Cart Corn	500 bu		0.62	0.30	0.68			0.01	1.61	1.20	2.81
Haul Corn	bu	27.00						0.10	27.10		27.10
Stalk Shredder	20'		1.60	2.50	1.76			0.02	5.88	3.65	9.53
TOTALS		291.78	14.91	12.75	16.64	0.00	8.43	344.51	39.53	384.04	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 18.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

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	519.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	39.48	0.00	0.00	0.00	0.00	0.00	21.71	34.65	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	27.66	8.73	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	7.84	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	76.16	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	7.00	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	27.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	5.35	0.00	0.00	0.00	0.00	2.86	0.00	3.27	0.00	0.00	0.00	5.16
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	4.53	0.00	0.00	0.00	0.00	1.83	0.00	2.46	0.00	0.00	0.00	6.09
REPAIR & MAINTENANCE	2.44	0.00	0.00	0.00	0.00	1.42	0.00	1.71	0.00	0.00	0.00	7.18
INTEREST ON OP. CAP.	3.11	0.00	0.00	0.00	0.57	2.16	1.28	0.95	0.19	0.00	0.00	0.17
TOTAL DIRECT EXPENSES	72.41	0.00	0.00	0.00	19.62	84.43	57.65	51.77	13.03	0.00	0.00	45.60
NET INCOME	-72.41	0.00	0.00	0.00	-19.62	-84.43	-57.65	-51.77	-13.03	0.00	0.00	474.15
NET INCOME TO DATE	-72.41	-72.41	-72.41	-72.41	-92.03	-176.46	-234.11	-285.88	-298.91	-298.91	-298.91	175.24

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 18.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----PRODUCT PRICE-----													
Corn	2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81		
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-136	-123	-110	-97	-84	-71	-58	-45	-32	-19	-6
			-175	-162	-149	-136	-123	-110	-97	-84	-71	-58	-45
60	81.00	bu	-99	-84	-68	-53	-37	-21	-6	9	24	40	56
			-139	-123	-108	-92	-76	-61	-45	-30	-14	1	16
70	94.50	bu	-63	-45	-27	-8	9	27	45	63	82	100	118
			-103	-84	-66	-48	-30	-12	6	24	42	60	78
80	108.00	bu	-27	-6	14	35	55	76	97	118	139	159	180
			-66	-45	-25	-4	16	37	57	78	99	120	141
90	121.50	bu	9	32	55	79	102	125	149	172	196	219	242
			-30	-7	16	39	63	86	109	133	156	180	203
100	135.00	bu	45	71	97	123	149	175	201	227	253	279	305
			5	31	57	83	109	135	161	187	213	239	265
110	148.50	bu	81	110	138	167	195	224	253	281	310	338	367
			42	70	99	127	156	184	213	242	270	299	327
120	162.00	bu	117	149	180	211	242	273	304	336	367	398	429
			78	109	140	171	203	234	265	296	327	358	390
130	175.50	bu	154	187	221	255	289	323	356	390	424	458	491
			114	148	182	215	249	283	317	351	384	418	452
140	189.00	bu	190	226	263	299	335	372	408	445	481	517	554
			150	187	223	260	296	332	369	405	441	478	514
150	202.50	bu	226	265	304	343	382	421	460	499	538	577	616
			187	226	265	304	343	382	421	459	498	537	576

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2009 input prices.

Table 19.A Estimated costs per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Custom Spray	acre	7.00	1.0000	7.00	_____
FERTILIZERS					
DAP	cwt	16.39	0.7600	12.46	_____
Potash (60% K2O)	cwt	26.10	0.5800	15.14	_____
UAN (32% N)	cwt	10.56	3.0690	32.41	_____
HERBICIDES					
Bicep II Magnum	qt	10.16	3.0000	30.48	_____
SEED/PLANTS					
Sorghum Concept	lb	1.75	6.0000	10.50	_____
HAULING					
Haul Sorghum	bu	0.20	100.0000	20.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.3434	3.85	_____
Harvesters	hour	11.23	0.1021	1.15	_____
HAND LABOR					
Implements	hour	9.06	0.1756	1.59	_____
UNALLOCATED LABOR	hour	11.22	0.4010	4.50	_____
DIESEL FUEL					
Tractors	gal	2.22	3.0053	6.68	_____
Harvesters	gal	2.22	1.3935	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	4.44	1.0000	4.44	_____
Tractors	acre	1.32	1.0000	1.32	_____
Harvesters	acre	2.32	1.0000	2.32	_____
INTEREST ON OP. CAP.	acre	3.45	1.0000	3.45	_____
TOTAL DIRECT EXPENSES				177.88	_____
FIXED EXPENSES					
Implements	acre	9.41	1.0000	9.41	_____
Tractors	acre	9.17	1.0000	9.17	_____
Harvesters	acre	9.99	1.0000	9.99	_____
TOTAL FIXED EXPENSES				28.57	_____
TOTAL SPECIFIED EXPENSES				206.45	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 19.B Summary of estimated costs and returns per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grain Sorghum	bu	3.62	100.0000	362.00	_____

TOTAL INCOME				362.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	7.00	1.0000	7.00	_____
FERTILIZERS	acre	60.01	1.0000	60.01	_____
HERBICIDES	acre	30.48	1.0000	30.48	_____
SEED/PLANTS	acre	10.50	1.0000	10.50	_____
HAULING	acre	20.00	1.0000	20.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1756	1.59	_____
OPERATOR LABOR	hour	11.23	0.4456	5.00	_____
UNALLOCATED LABOR	hour	11.22	0.4010	4.50	_____
DIESEL FUEL	gal	2.22	4.3989	9.77	_____
REPAIR & MAINTENANCE	acre	8.08	1.0000	8.08	_____
INTEREST ON OP. CAP.	acre	3.45	1.0000	3.45	_____

TOTAL DIRECT EXPENSES				177.88	_____
RETURNS ABOVE DIRECT EXPENSES				184.12	_____
TOTAL FIXED EXPENSES				28.57	_____

TOTAL SPECIFIED EXPENSES				206.45	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				155.55	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 19.C Estimated resource use for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Apr		0.04	0.04	0.08	0.03
DAP	cwt					0.7600				
Potash (60% K20)	cwt					0.5800				
Disk Harrow	24'	MFWD 170	0.081	1.00	Apr		0.08	0.08	0.08	0.07
Field Cultivate Fld	32'	MFWD 170	0.046	1.00	Apr		0.04	0.04	0.04	0.04
Plant - Rigid	12R-20	MFWD 170	0.094	1.00	May		0.09	0.09	0.18	0.08
Sorghum Concept	lb					6.0000				
Custom Spray	acre			1.00	May	1.0000				
Bicep II Magnum	qt					3.0000				
Fert Appl (Liquid)	12R-30	MFWD 170	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN (32% N)	cwt					3.0690				
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							0.44	0.44	0.62	0.40

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 19.D Estimated costs for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.82	0.44	1.28			0.06	2.60	1.75	4.35
DAP	cwt	12.46						0.28	12.74		12.74
Potash (60% K20)	cwt	15.14						0.34	15.48		15.48
Disk Harrow	24'		1.59	1.08	1.75			0.10	4.52	3.97	8.49
Field Cultivate Fld	32'		0.91	0.56	0.99			0.06	2.52	3.04	5.56
Plant - Rigid	12R-20		1.83	1.70	2.86			0.12	6.51	5.37	11.88
Sorghum Concept	lb	10.50						0.20	10.70		10.70
Custom Spray	acre	7.00						0.13	7.13		7.13
Bicep II Magnum	qt	30.48						0.57	31.05		31.05
Fert Appl (Liquid)	12R-30		1.53	1.36	2.03			0.09	5.01	3.42	8.43
UAN (32% N)	cwt	32.41						0.61	33.02		33.02
Header Wheat/Sorghum	25' Rigid		3.09	2.94	2.18			0.03	8.24	11.02	19.26
Haul Sorghum	bu	20.00						0.07	20.07		20.07
TOTALS		145.49	9.77	8.08	11.09	0.00	3.45	177.88	28.57	206.45	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 19.E Estimated monthly income and expense flows per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

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	362.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	27.60	32.41	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.48	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.50	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	20.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.02	4.89	0.00	0.00	0.00	2.18
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	3.32	3.36	0.00	0.00	0.00	3.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.08	3.06	0.00	0.00	0.00	2.94
INTEREST ON OP. CAP.	0.79	0.00	0.00	0.00	0.00	0.00	0.84	1.72	0.00	0.00	0.00	0.10
TOTAL DIRECT EXPENSES	18.29	0.00	0.00	0.00	0.00	0.00	37.86	93.42	0.00	0.00	0.00	28.31
NET INCOME	-18.29	0.00	0.00	0.00	0.00	0.00	-37.86	-93.42	0.00	0.00	0.00	333.69
NET INCOME TO DATE	-18.29	-18.29	-18.29	-18.29	-18.29	-18.29	-56.15	-149.57	-149.57	-149.57	-149.57	184.12

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 19.F Estimated returns for various price/yield combinations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Grain Sorghum			2.71	2.89	3.07	3.25	3.43	3.62	3.80	3.98	4.16	4.34	4.52
PERCENT YIELD UNIT			-----dollars-----										
50	50.00	bu	-32	-23	-13	-4	4	13	22	31	40	49	58
			-60	-51	-42	-33	-24	-15	-6	2	11	20	29
60	60.00	bu	-6	3	14	25	36	47	58	69	79	90	101
			-35	-24	-13	-2	7	18	29	40	51	62	73
70	70.00	bu	18	30	43	56	68	81	94	106	119	132	144
			-10	2	14	27	40	52	65	78	90	103	116
80	80.00	bu	43	57	72	86	101	115	130	144	159	173	188
			14	29	43	58	72	87	101	116	130	145	159
90	90.00	bu	68	84	101	117	133	149	166	182	198	215	231
			39	56	72	88	105	121	137	153	170	186	202
100	100.00	bu	93	111	129	147	166	184	202	220	238	256	274
			65	83	101	119	137	155	173	191	209	227	246
110	110.00	bu	118	138	158	178	198	218	238	258	278	297	317
			90	110	130	149	169	189	209	229	249	269	289
120	120.00	bu	143	165	187	209	230	252	274	295	317	339	361
			115	137	158	180	202	223	245	267	289	310	332
130	130.00	bu	169	192	216	239	263	286	310	333	357	380	404
			140	164	187	211	234	258	281	305	328	352	375
140	140.00	bu	194	219	244	270	295	320	346	371	396	422	447
			165	190	216	241	266	292	317	343	368	393	419
150	150.00	bu	219	246	273	300	327	355	382	409	436	463	490
			190	217	245	272	299	326	353	380	407	435	462

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 2009 input prices.

Table 20.A Estimated costs per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	3.0000	18.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.0000	16.39	_____
Potash (60% K2O)	cwt	26.10	0.7500	19.58	_____
Fert 41-0-0-4	cwt	19.88	2.8000	55.66	_____
FUNGICIDES					
Quilt	pt	20.42	0.8750	17.87	_____
HERBICIDES					
Osprey	oz	2.95	4.7500	14.01	_____
Harmony Extra SG	oz	10.99	0.9000	9.89	_____
SEED/PLANTS					
Wheat Seed Private	lb	0.29	90.0000	26.10	_____
ADJUVANTS					
Surfactant	pt	3.68	1.6000	5.89	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	7.00	2.8000	19.60	_____
HAULING					
Haul Wheat	bu	0.20	70.0000	14.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.2648	2.97	_____
Harvesters	hour	11.23	0.1021	1.15	_____
HAND LABOR					
Implements	hour	9.06	0.1363	1.23	_____
UNALLOCATED LABOR	hour	11.27	0.2936	3.31	_____
DIESEL FUEL					
Tractors	gal	2.22	2.3178	5.15	_____
Harvesters	gal	2.22	1.3935	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	3.16	1.0000	3.16	_____
Tractors	acre	1.02	1.0000	1.02	_____
Harvesters	acre	2.32	1.0000	2.32	_____
INTEREST ON OP. CAP.	acre	6.12	1.0000	6.12	_____
TOTAL DIRECT EXPENSES				264.01	_____
FIXED EXPENSES					
Implements	acre	7.63	1.0000	7.63	_____
Tractors	acre	7.07	1.0000	7.07	_____
Harvesters	acre	9.99	1.0000	9.99	_____
TOTAL FIXED EXPENSES				24.69	_____
TOTAL SPECIFIED EXPENSES				288.70	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 20.B Summary of estimated costs and returns per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	4.70	70.0000	329.00	_____

TOTAL INCOME				329.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	18.00	1.0000	18.00	_____
FERTILIZERS	acre	91.63	1.0000	91.63	_____
FUNGICIDES	acre	17.87	1.0000	17.87	_____
HERBICIDES	acre	23.90	1.0000	23.90	_____
SEED/PLANTS	acre	26.10	1.0000	26.10	_____
ADJUVANTS	acre	5.89	1.0000	5.89	_____
CUSTOM FERTILIZE	acre	19.60	1.0000	19.60	_____
HAULING	acre	14.00	1.0000	14.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1363	1.23	_____
OPERATOR LABOR	hour	11.23	0.3670	4.12	_____
UNALLOCATED LABOR	hour	11.27	0.2936	3.31	_____
DIESEL FUEL	gal	2.22	3.7114	8.24	_____
REPAIR & MAINTENANCE	acre	6.50	1.0000	6.50	_____
INTEREST ON OP. CAP.	acre	6.12	1.0000	6.12	_____

TOTAL DIRECT EXPENSES				264.01	_____
RETURNS ABOVE DIRECT EXPENSES				64.99	_____
TOTAL FIXED EXPENSES				24.69	_____

TOTAL SPECIFIED EXPENSES				288.70	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				40.30	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 20.C Estimated resource use for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Sep	0.5000				
Disk Harrow	24'	MFWD 170	0.081	1.00	Sep		0.08	0.08	0.08	0.06
Spin Spreader	5 ton	MFWD 170	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 170	0.046	1.00	Sep		0.04	0.04	0.04	0.03
Grain Drill	20'	MFWD 170	0.094	1.00	Oct		0.09	0.09	0.18	0.07
Wheat Seed Private	lb					90.0000				
App by Air (5 gal)	appl			1.00	Nov	1.0000				
Osprey	oz					4.7500				
Surfactant	pt					1.5000				
App Fert by Air	cwt			1.00	Feb	1.4000				
Fert 41-0-0-4	cwt					1.4000				
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Harmony Extra SG	oz					0.9000				
Surfactant	pt					0.1000				
App Fert by Air	cwt			1.00	Mar	1.4000				
Fert 41-0-0-4	cwt					1.4000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Quilt	pt					0.8750				
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							0.36	0.36	0.50	0.29

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 20.D Estimated costs for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.66	18.16		18.16
Disk Harrow	24'		1.59	1.08	1.66			0.16	4.49	3.97	8.46
Spin Spreader	5 ton		0.82	0.44	1.23			0.09	2.58	1.75	4.33
DAP	cwt	16.39						0.61	17.00		17.00
Potash (60% K20)	cwt	19.58						0.73	20.31		20.31
Field Cultivate Fld	32'		0.91	0.56	0.94			0.09	2.50	3.04	5.54
Grain Drill	20'		1.83	1.48	2.76			0.20	6.27	4.91	11.18
Wheat Seed Private	lb	26.10						0.88	26.98		26.98
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Osprey	oz	14.01						0.42	14.43		14.43
Surfactant	pt	5.52						0.17	5.69		5.69
App Fert by Air	cwt	9.80						0.18	9.98		9.98
Fert 41-0-0-4	cwt	27.83						0.52	28.35		28.35
App by Air (5 gal)	appl	6.00						0.11	6.11		6.11
Harmony Extra SG	oz	9.89						0.19	10.08		10.08
Surfactant	pt	0.37						0.01	0.38		0.38
App Fert by Air	cwt	9.80						0.15	9.95		9.95
Fert 41-0-0-4	cwt	27.83						0.42	28.25		28.25
App by Air (5 gal)	appl	6.00						0.07	6.07		6.07
Quilt	pt	17.87						0.20	18.07		18.07
Header Wheat/Sorghum	25' Rigid		3.09	2.94	2.07			0.03	8.13	11.02	19.15
Haul Wheat	bu	14.00						0.05	14.05		14.05
TOTALS		234.49	8.24	6.50	8.66	0.00		6.12	264.01	24.69	288.70

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 20.E Estimated monthly income and expense flows per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

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	329.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	6.00	0.00	6.00	0.00	0.00
FERTILIZERS	0.00	0.00	35.97	0.00	0.00	0.00	0.00	27.83	27.83	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	17.87	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	14.01	0.00	0.00	9.89	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	5.52	0.00	0.00	0.37	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	9.80	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	14.00
CUSTOM LIME	0.00	0.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	3.83	2.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07
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	3.32	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.09
REPAIR & MAINTENANCE	0.00	0.00	2.08	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94
INTEREST ON OP. CAP.	0.00	0.00	2.34	1.08	0.77	0.00	0.00	1.01	0.57	0.27	0.00	0.08
TOTAL DIRECT EXPENSES	0.00	0.00	65.04	33.25	26.30	0.00	0.00	54.90	38.20	24.14	0.00	22.18
NET INCOME	0.00	0.00	-65.04	-33.25	-26.30	0.00	0.00	-54.90	-38.20	-24.14	0.00	306.82
NET INCOME TO DATE	0.00	0.00	-65.04	-98.29	-124.59	-124.59	-124.59	-179.49	-217.69	-241.83	-241.83	64.99

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 20.F Estimated returns for various price/yield combinations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Wheat			3.52	3.76	3.99	4.23	4.46	4.70	4.93	5.17	5.40	5.64	5.87
PERCENT YIELD UNIT			-----dollars-----										
50	35.00	bu	-133 -158	-125 -150	-117 -141	-108 -133	-100 -125	-92 -117	-84 -108	-76 -100	-67 -92	-59 -84	-51 -76
60	42.00	bu	-110 -135	-100 -125	-90 -115	-80 -105	-70 -95	-60 -85	-51 -75	-41 -65	-31 -56	-21 -46	-11 -36
70	49.00	bu	-87 -111	-75 -100	-64 -88	-52 -77	-41 -65	-29 -54	-17 -42	-6 -31	5 -19	16 -8	28 3
80	56.00	bu	-63 -88	-50 -75	-37 -62	-24 -49	-11 -35	2 -22	15 -9	28 3	41 16	54 29	67 43
90	63.00	bu	-40 -65	-25 -50	-10 -35	3 -20	18 -6	33 8	48 23	63 38	77 53	92 68	107 82
100	70.00	bu	-17 -41	-0 -25	15 -9	32 7	48 23	64 40	81 56	97 73	114 89	130 106	147 122
110	77.00	bu	6 -18	24 -0	42 17	60 35	78 53	96 71	114 89	132 107	150 126	168 144	186 162
120	84.00	bu	29 4	49 24	68 44	88 63	108 83	127 103	147 123	167 142	187 162	206 182	226 201
130	91.00	bu	52 27	73 49	95 70	116 92	138 113	159 134	180 156	202 177	223 198	245 220	266 241
140	98.00	bu	75 51	98 74	121 97	144 120	167 143	190 166	214 189	237 212	260 235	283 258	306 281
150	105.00	bu	99 74	123 99	148 123	173 148	197 173	222 197	247 222	271 247	296 271	321 296	345 321

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 2009 input prices.

Table 21.A Estimated costs per acre
 Contour levee rice
 Flood irrigated, 33 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.7500	16.50	_____
App by Air (3 gal)	appl	5.00	0.5000	2.50	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	11.44	0.7500	8.58	_____
Urea, Solid (46% N)	cwt	16.29	4.0000	65.16	_____
FUNGICIDES					
Stratego	pt	25.00	0.7500	18.75	_____
HERBICIDES					
Command 3ME	pt	15.00	0.6650	9.98	_____
Facet 75DF	lb	50.75	0.4000	20.30	_____
Stam M4	qt	5.98	2.0000	11.96	_____
Permit 75 DF	oz	18.88	0.2500	4.72	_____
Clincher SF	oz	1.96	7.0000	13.72	_____
INSECTICIDES					
Karate Z	oz	3.28	2.0000	6.56	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	90.0000	29.70	_____
Rice Seed (Levees)	lb	0.33	15.0000	4.95	_____
ADJUVANTS					
Surfactant	pt	3.68	0.0500	0.18	_____
Crop Oil Conc.(Pet.)	pt	1.35	1.0000	1.35	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	7.00	4.7500	33.25	_____
HAULING					
Haul Rice	bu	0.22	148.0000	32.56	_____
DRYING					
Dry Rice	bu	0.40	148.0000	59.20	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.00	1.0000	4.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.5582	6.26	_____
Harvesters	hour	11.23	0.2538	2.85	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0856	0.77	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	1.5000	13.59	_____
UNALLOCATED LABOR					
	hour	11.21	0.6186	6.94	_____
DIESEL FUEL					
Tractors	gal	2.22	5.2430	11.63	_____
Harvesters	gal	2.22	3.4625	7.69	_____
Flood Irr.	gal	2.22	26.8827	59.69	_____
REPAIR & MAINTENANCE					
Implements	acre	6.15	1.0000	6.15	_____
Tractors	acre	2.17	1.0000	2.17	_____
Harvesters	acre	5.77	1.0000	5.77	_____
Flood Irr.	acre	8.74	1.0000	8.74	_____
INTEREST ON OP. CAP.	acre	7.70	1.0000	7.70	_____
TOTAL DIRECT EXPENSES				518.10	_____
FIXED EXPENSES					
Implements	acre	13.78	1.0000	13.78	_____
Tractors	acre	14.89	1.0000	14.89	_____
Harvesters	acre	24.83	1.0000	24.83	_____
Flood Irr.	acre	31.77	1.0000	31.77	_____
TOTAL FIXED EXPENSES				85.27	_____
TOTAL SPECIFIED EXPENSES				603.37	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 21.B Summary of estimated costs and returns per acre
 Contour levee rice
 Flood irrigated, 33 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	5.66	148.0000	837.68	_____

TOTAL INCOME				837.68	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	19.00	1.0000	19.00	_____
FERTILIZERS	acre	73.74	1.0000	73.74	_____
FUNGICIDES	acre	18.75	1.0000	18.75	_____
HERBICIDES	acre	60.68	1.0000	60.68	_____
INSECTICIDES	acre	6.56	1.0000	6.56	_____
SEED/PLANTS	acre	34.65	1.0000	34.65	_____
ADJUVANTS	acre	1.53	1.0000	1.53	_____
CUSTOM FERTILIZE	acre	33.25	1.0000	33.25	_____
HAULING	acre	32.56	1.0000	32.56	_____
DRYING	acre	59.20	1.0000	59.20	_____
SURVEY & MARK LEVEES	acre	4.00	1.0000	4.00	_____
HAND LABOR	hour	9.06	0.3356	3.04	_____
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_____
OPERATOR LABOR	hour	11.23	0.8121	9.11	_____
RICE MGT. LABOR	hour	9.06	1.5000	13.59	_____
UNALLOCATED LABOR	hour	11.21	0.6186	6.94	_____
DIESEL FUEL	gal	2.22	35.5882	79.01	_____
REPAIR & MAINTENANCE	acre	22.83	1.0000	22.83	_____
INTEREST ON OP. CAP.	acre	7.70	1.0000	7.70	_____

TOTAL DIRECT EXPENSES				518.10	_____
RETURNS ABOVE DIRECT EXPENSES				319.58	_____
TOTAL FIXED EXPENSES				85.27	_____

TOTAL SPECIFIED EXPENSES				603.37	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				234.31	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 21.C Estimated resource use for field operations, per acre
 Contour levee rice
 Flood irrigated, 33 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Harrow-Folding	40'	MFWD 190	0.038	1.00	Oct		0.03	0.03	0.03	0.03
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar		0.04	0.04	0.04	0.04
Grain Drill	24'	MFWD 190	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					90.0000				
Roller/Cultipacker	30'	MFWD 190	0.049	1.00	Apr		0.04	0.04	0.04	0.04
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Apr		0.01	0.01	0.02	0.01
Command 3ME	pt					0.6650				
Seed Levees				1.00	Apr					
Rice Seed (Levees)	lb					15.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet 75DF	lb					0.4000				
App Fert by Air	cwt			0.75	May	0.7500				
Amm Sulfate (21% N)	cwt					0.7500				
App by Air (5 gal)	appl			0.50	May	0.5000				
Stam M4	qt					2.0000				
Permit 75 DF	oz					0.2500				
Karate Z	oz					1.0000				
Surfactant	pt					0.0500				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.30	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.0000				
Crop Oil Conc.(Pet.)	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.50	
App Fert by Air	cwt			1.00	Jun	1.5000				
Urea, Solid (46% N)	cwt					1.5000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.50	
App by Air (5 gal)	appl			0.75	Jul	0.7500				
Stratego	pt					0.7500				
App by Air (3 gal)	appl			0.50	Jul	0.5000				
Karate Z	oz					1.0000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Rice (CL)	25' Rigid	265 hp	0.253	1.00	Aug		0.25	0.25	0.25	0.22
Grain Cart Rice	700 bu	MFWD 190	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	148.0000				
Dry Rice	bu			1.00	Aug	148.0000				
Disk - Heavy	21'	MFWD 190	0.097	2.00	Sep		0.19	0.19	0.19	0.17
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.81	0.81	6.17	0.61

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 21.D Estimated costs for field operations, per acre
 Contour levee rice
 Flood irrigated, 33 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Harrow-Folding	40'		0.84	0.32	0.83			0.09	2.08	1.35	3.43
Field Cultivate Fld	32'		1.01	0.57	0.99			0.07	2.64	3.08	5.72
Grain Drill	24'		1.71	1.76	2.38			0.13	5.98	5.24	11.22
Rice Seed Conv.	lb	29.70						0.67	30.37		30.37
Roller/Cultipacker	30'		1.08	0.39	1.06			0.06	2.59	1.68	4.27
Spray (Broadcast)	60'		0.31	0.13	0.36			0.02	0.82	0.49	1.31
Command 3ME	pt	9.98						0.22	10.20		10.20
Seed Levees											
Rice Seed (Levees)	lb	4.95						0.11	5.06		5.06
App by Air (5 gal)	appl	6.00						0.11	6.11		6.11
Facet 75DF	lb	20.30						0.38	20.68		20.68
App Fert by Air	cwt	5.25						0.10	5.35		5.35
Amm Sulfate (21% N)	cwt	8.58						0.16	8.74		8.74
App by Air (5 gal)	appl	3.00						0.06	3.06		3.06
Stam M4	qt	11.96						0.22	12.18		12.18
Permit 75 DF	oz	4.72						0.09	4.81		4.81
Karate Z	oz	3.28						0.06	3.34		3.34
Surfactant	pt	0.18							0.18		0.18
App Fert by Air	cwt	17.50						0.33	17.83		17.83
Urea, Solid (46% N)	cwt	40.72						0.76	41.48		41.48
Rice Management											
RICE MGT. LABOR	hour				2.72			0.05	2.77		2.77
App by Air (5 gal)	appl	3.00						0.05	3.05		3.05
Clincher SF	oz	13.72						0.21	13.93		13.93
Crop Oil Conc.(Pet.)	pt	1.35						0.02	1.37		1.37
Rice Management											
RICE MGT. LABOR	hour				4.53			0.07	4.60		4.60
App Fert by Air	cwt	10.50						0.16	10.66		10.66
Urea, Solid (46% N)	cwt	24.44						0.37	24.81		24.81
Rice Management											
RICE MGT. LABOR	hour				4.53			0.05	4.58		4.58
App by Air (5 gal)	appl	4.50						0.05	4.55		4.55
Stratego	pt	18.75						0.21	18.96		18.96
App by Air (3 gal)	appl	2.50						0.03	2.53		2.53
Karate Z	oz	3.28						0.04	3.32		3.32
Rice Management											
RICE MGT. LABOR	hour				1.81			0.01	1.82		1.82
Header - Rice (CL)	25' Rigid		7.69	7.80	5.42			0.16	21.07	28.21	49.28
Grain Cart Rice	700 bu		0.24	0.13	0.23				0.60	0.48	1.08
Handling & Storage											
HAND LABOR	hour				2.27			0.02	2.29		2.29
Haul Rice	bu	32.56						0.24	32.80		32.80
Dry Rice	bu	59.20						0.44	59.64		59.64
Disk - Heavy	21'		4.22	2.40	4.16			0.04	10.82	9.18	20.00
Flood Irr.	acre	4.00	61.91	9.33	33.35			1.84	110.43	35.56	145.99
TOTALS		343.92	79.01	22.83	64.64	0.00	7.70	518.10	85.27	603.37	

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 21.E Estimated monthly income and expense flows per acre
 Contour levee rice
 Flood irrigated, 33 ac-in., Delta Area, Mississippi, 2010

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	837.68	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	3.00	7.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.30	24.44	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	18.75	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	9.98	36.98	13.72	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	0.00	3.28	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	34.65	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.35	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.75	10.50	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	32.56	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.20	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.83	0.00	0.00	0.00	0.00	0.99	15.33	9.52	11.33	11.33	11.15	4.16
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	0.84	0.00	0.00	0.00	0.00	1.01	15.39	16.28	16.28	16.28	8.71	4.22
REPAIR & MAINTENANCE	0.32	0.00	0.00	0.00	0.00	0.57	3.51	5.33	1.28	1.28	8.14	2.40
INTEREST ON OP. CAP.	0.09	0.00	0.00	0.00	0.00	0.07	1.85	2.86	1.24	0.66	0.89	0.04
TOTAL DIRECT EXPENSES	2.08	0.00	0.00	0.00	0.00	2.64	84.71	155.48	83.14	58.58	120.65	10.82
NET INCOME	-2.08	0.00	0.00	0.00	0.00	-2.64	-84.71	-155.48	-83.14	-58.58	717.03	-10.82
NET INCOME TO DATE	-2.08	-2.08	-2.08	-2.08	-2.08	-4.72	-89.43	-244.91	-328.05	-386.63	330.40	319.58

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs

Table 21.F Estimated returns for various price/yield combinations, per acre
 Contour levee rice
 Flood irrigated, 33 ac-in., Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Rice			4.24	4.52	4.81	5.09	5.37	5.66	5.94	6.22	6.50	6.79	7.07
PERCENT	YIELD	UNIT	-----dollars-----										
50	74.00	bu	-157 -243	-136 -222	-115 -201	-94 -180	-73 -159	-53 -138	-32 -117	-11 -96	9 -75	30 -54	51 -33
60	88.80	bu	-104 -189	-79 -164	-53 -139	-28 -114	-3 -88	21 -63	46 -38	71 -13	96 11	122 36	147 61
70	103.60	bu	-50 -135	-21 -106	8 -77	37 -47	66 -18	96 10	125 40	154 69	183 98	213 128	242 157
80	118.40	bu	2 -82	36 -48	70 -15	103 18	137 51	170 85	204 118	237 152	271 185	304 219	338 252
90	133.20	bu	56 -28	94 9	131 46	169 84	207 122	245 159	282 197	320 235	358 272	395 310	433 348
100	148.00	bu	110 24	152 66	193 108	235 150	277 192	319 234	361 276	403 318	445 359	487 401	529 443
110	162.80	bu	163 78	209 124	255 170	301 216	348 262	394 308	440 354	486 400	532 447	578 493	624 539
120	177.60	bu	217 132	267 182	317 232	368 282	418 333	468 383	518 433	569 483	619 534	669 584	719 634
130	192.40	bu	270 185	325 240	379 294	434 348	488 403	543 457	597 512	652 566	706 621	760 675	815 730
140	207.20	bu	324 239	383 297	441 356	500 415	559 473	617 532	676 591	734 649	793 708	852 766	910 825
150	222.00	bu	378 292	440 355	503 418	566 481	629 544	692 606	755 669	817 732	880 795	943 858	1006 921

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 2009 input prices.

Table 22.A Estimated costs per acre
 Straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.7500	16.50	_____
App by Air (3 gal)	appl	5.00	0.5000	2.50	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	11.44	0.7500	8.58	_____
Urea, Solid (46% N)	cwt	16.29	4.0000	65.16	_____
FUNGICIDES					
Stratego	pt	25.00	0.7500	18.75	_____
HERBICIDES					
Command 3ME	pt	15.00	0.6650	9.98	_____
Facet 75DF	lb	50.75	0.4000	20.30	_____
Stam M4	qt	5.98	2.0000	11.96	_____
Permit 75 DF	oz	18.88	0.2500	4.72	_____
Clincher SF	oz	1.96	7.0000	13.72	_____
INSECTICIDES					
Karate Z	oz	3.28	2.0000	6.56	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	90.0000	29.70	_____
Rice Seed (Levees)	lb	0.33	15.0000	4.95	_____
ADJUVANTS					
Surfactant	pt	3.68	0.0500	0.18	_____
Crop Oil Conc.(Pet.)	pt	1.35	1.0000	1.35	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	7.00	4.7500	33.25	_____
HAULING					
Haul Rice	bu	0.22	156.0000	34.32	_____
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.00	0.5000	2.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.5106	5.73	_____
Harvesters	hour	11.23	0.2200	2.47	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0856	0.77	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR					
	hour	11.20	0.5881	6.59	_____
DIESEL FUEL					
Tractors	gal	2.22	4.8478	10.76	_____
Harvesters	gal	2.22	3.0008	6.66	_____
Flood Irr.	gal	2.22	21.9949	48.83	_____
REPAIR & MAINTENANCE					
Implements	acre	5.82	1.0000	5.82	_____
Tractors	acre	2.00	1.0000	2.00	_____
Harvesters	acre	5.00	1.0000	5.00	_____
Flood Irr.	acre	8.75	1.0000	8.75	_____
INTEREST ON OP. CAP.	acre	7.24	1.0000	7.24	_____
TOTAL DIRECT EXPENSES				487.63	_____
FIXED EXPENSES					
Implements	acre	12.91	1.0000	12.91	_____
Tractors	acre	13.75	1.0000	13.75	_____
Harvesters	acre	21.52	1.0000	21.52	_____
Flood Irr.	acre	50.21	1.0000	50.21	_____
TOTAL FIXED EXPENSES				98.39	_____
TOTAL SPECIFIED EXPENSES				586.02	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 22.B Summary of estimated costs and returns per acre
 Straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	5.66	156.0000	882.96	_____
TOTAL INCOME				882.96	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	19.00	1.0000	19.00	_____
FERTILIZERS	acre	73.74	1.0000	73.74	_____
FUNGICIDES	acre	18.75	1.0000	18.75	_____
HERBICIDES	acre	60.68	1.0000	60.68	_____
INSECTICIDES	acre	6.56	1.0000	6.56	_____
SEED/PLANTS	acre	34.65	1.0000	34.65	_____
ADJUVANTS	acre	1.53	1.0000	1.53	_____
CUSTOM FERTILIZE	acre	33.25	1.0000	33.25	_____
HAULING	acre	34.32	1.0000	34.32	_____
DRYING	acre	62.40	1.0000	62.40	_____
SURVEY & MARK LEVEES	acre	2.00	1.0000	2.00	_____
HAND LABOR	hour	9.06	0.3356	3.04	_____
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_____
OPERATOR LABOR	hour	11.23	0.7306	8.20	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	11.20	0.5881	6.59	_____
DIESEL FUEL	gal	2.22	29.8436	66.25	_____
REPAIR & MAINTENANCE	acre	21.57	1.0000	21.57	_____
INTEREST ON OP. CAP.	acre	7.24	1.0000	7.24	_____
TOTAL DIRECT EXPENSES				487.63	_____
RETURNS ABOVE DIRECT EXPENSES				395.33	_____
TOTAL FIXED EXPENSES				98.39	_____
TOTAL SPECIFIED EXPENSES				586.02	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				296.94	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 22.C Estimated resource use for field operations, per acre
 Straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Harrow-Folding	40'	MFWD 190	0.038	1.00	Oct		0.03	0.03	0.03	0.03
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar		0.04	0.04	0.04	0.04
Grain Drill	24'	MFWD 190	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					90.0000				
Roller/Cultipacker	30'	MFWD 190	0.049	1.00	Apr		0.04	0.04	0.04	0.04
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Apr		0.01	0.01	0.02	0.01
Command 3ME	pt					0.6650				
Seed Levees				1.00	Apr					
Rice Seed (Levees)	lb					15.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet 75DF	lb					0.4000				
App Fert by Air	cwt			0.75	May	0.7500				
Amm Sulfate (21% N)	cwt					0.7500				
App by Air (5 gal)	appl			0.50	May	0.5000				
Stam M4	qt					2.0000				
Permit 75 DF	oz					0.2500				
Karate Z	oz					1.0000				
Surfactant	pt					0.0500				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.0000				
Crop Oil Conc.(Pet.)	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	1.5000				
Urea, Solid (46% N)	cwt					1.5000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			0.75	Jul	0.7500				
Stratego	pt					0.7500				
App by Air (3 gal)	appl			0.50	Jul	0.5000				
Karate Z	oz					1.0000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Rice (SL)	25' Rigid	265 hp	0.220	1.00	Aug		0.22	0.22	0.22	0.19
Grain Cart Rice	700 bu	MFWD 190	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk - Heavy	21'	MFWD 190	0.097	2.00	Sep		0.19	0.19	0.19	0.17
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.73	0.73	4.14	0.58

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 22.D Estimated costs for field operations, per acre
 Straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Harrow-Folding	40'		0.84	0.32	0.83		0.09	2.08	1.35	3.43
Field Cultivate Fld	32'		1.01	0.57	0.99		0.07	2.64	3.08	5.72
Grain Drill	24'		1.71	1.76	2.38		0.13	5.98	5.24	11.22
Rice Seed Conv.	lb	29.70					0.67	30.37		30.37
Roller/Cultipacker	30'		1.08	0.39	1.06		0.06	2.59	1.68	4.27
Spray (Broadcast)	60'		0.31	0.13	0.36		0.02	0.82	0.49	1.31
Command 3ME	pt	9.98					0.22	10.20		10.20
Seed Levees										
Rice Seed (Levees)	lb	4.95					0.11	5.06		5.06
App by Air (5 gal)	appl	6.00					0.11	6.11		6.11
Facet 75DF	lb	20.30					0.38	20.68		20.68
App Fert by Air	cwt	5.25					0.10	5.35		5.35
Amm Sulfate (21% N)	cwt	8.58					0.16	8.74		8.74
App by Air (5 gal)	appl	3.00					0.06	3.06		3.06
Stam M4	qt	11.96					0.22	12.18		12.18
Permit 75 DF	oz	4.72					0.09	4.81		4.81
Karate Z	oz	3.28					0.06	3.34		3.34
Surfactant	pt	0.18						0.18		0.18
App Fert by Air	cwt	17.50					0.33	17.83		17.83
Urea, Solid (46% N)	cwt	40.72					0.76	41.48		41.48
Rice Management										
RICE MGT. LABOR	hour				0.91		0.02	0.93		0.93
App by Air (5 gal)	appl	3.00					0.05	3.05		3.05
Clincher SF	oz	13.72					0.21	13.93		13.93
Crop Oil Conc.(Pet.)	pt	1.35					0.02	1.37		1.37
Rice Management										
RICE MGT. LABOR	hour				1.81		0.03	1.84		1.84
App Fert by Air	cwt	10.50					0.16	10.66		10.66
Urea, Solid (46% N)	cwt	24.44					0.37	24.81		24.81
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
App by Air (5 gal)	appl	4.50					0.05	4.55		4.55
Stratego	pt	18.75					0.21	18.96		18.96
App by Air (3 gal)	appl	2.50					0.03	2.53		2.53
Karate Z	oz	3.28					0.04	3.32		3.32
Rice Management										
RICE MGT. LABOR	hour				1.81		0.01	1.82		1.82
Header - Rice (SL)	25' Rigid		6.66	6.76	4.69		0.14	18.25	24.45	42.70
Grain Cart Rice	700 bu		0.24	0.13	0.23			0.60	0.48	1.08
Handling & Storage										
HAND LABOR	hour				2.27		0.02	2.29		2.29
Haul Rice	bu	34.32					0.26	34.58		34.58
Dry Rice	bu	62.40					0.47	62.87		62.87
Disk - Heavy	21'		4.22	2.40	4.16		0.04	10.82	9.18	20.00
Flood Irr.	acre	2.00	50.18	9.11	22.38		1.45	85.12	52.44	137.56
TOTALS		346.88	66.25	21.57	45.69	0.00	7.24	487.63	98.39	586.02

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 22.E Estimated monthly income and expense flows per acre
 Straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

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	882.96	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	3.00	7.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.30	24.44	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	18.75	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	9.98	36.98	13.72	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	0.00	3.28	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	34.65	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.35	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.75	10.50	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	34.32	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.83	0.00	0.00	0.00	0.00	0.99	11.40	5.44	6.34	6.34	10.19	4.16
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	0.84	0.00	0.00	0.00	0.00	1.01	14.87	12.66	12.66	12.66	7.33	4.22
REPAIR & MAINTENANCE	0.32	0.00	0.00	0.00	0.00	0.57	3.56	5.27	1.22	1.22	7.01	2.40
INTEREST ON OP. CAP.	0.09	0.00	0.00	0.00	0.00	0.07	1.73	2.71	1.12	0.56	0.92	0.04
TOTAL DIRECT EXPENSES	2.08	0.00	0.00	0.00	0.00	2.64	78.19	147.57	74.35	49.81	122.17	10.82
NET INCOME	-2.08	0.00	0.00	0.00	0.00	-2.64	-78.19	-147.57	-74.35	-49.81	760.79	-10.82
NET INCOME TO DATE	-2.08	-2.08	-2.08	-2.08	-2.08	-4.72	-82.91	-230.48	-304.83	-354.64	406.15	395.33

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 22.F Estimated returns for various price/yield combinations, per acre
 Straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Rice			4.24	4.52	4.81	5.09	5.37	5.66	5.94	6.22	6.50	6.79	7.07
PERCENT	YIELD	UNIT	-----dollars-----										
50	78.00	bu	-107	-85	-63	-41	-19	2	24	46	68	90	112
			-206	-184	-162	-139	-117	-95	-73	-51	-29	-7	14
60	93.60	bu	-51	-24	1	28	54	81	107	134	160	187	213
			-149	-123	-96	-70	-43	-17	9	35	62	88	115
70	109.20	bu	5	36	66	97	128	159	190	221	252	283	314
			-93	-62	-31	-0	30	61	92	123	153	184	215
80	124.80	bu	61	96	132	167	202	238	273	308	344	379	414
			-36	-1	33	69	104	139	175	210	245	281	316
90	140.40	bu	118	157	197	237	277	316	356	396	435	475	515
			19	59	99	138	178	218	258	297	337	377	417
100	156.00	bu	174	218	262	307	351	395	439	483	527	571	616
			76	120	164	208	252	296	341	385	429	473	517
110	171.60	bu	231	279	328	376	425	473	522	571	619	668	716
			132	181	229	278	326	375	424	472	521	569	618
120	187.20	bu	287	340	393	446	499	552	605	658	711	764	817
			189	242	295	348	401	454	507	559	612	665	718
130	202.80	bu	344	401	458	516	573	630	688	745	803	860	917
			245	303	360	417	475	532	589	647	704	762	819
140	218.40	bu	400	462	524	585	647	709	771	833	894	956	1018
			302	363	425	487	549	611	672	734	796	858	920
150	234.00	bu	456	523	589	655	721	788	854	920	986	1052	1119
			358	424	491	557	623	689	755	822	888	954	1020

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 2009 input prices.

Table 23.A Estimated costs per acre
 Straight levee rice
 Multi inlet flood irrigated, 23 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.7500	16.50	_____
App by Air (3 gal)	appl	5.00	0.5000	2.50	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	11.44	0.7500	8.58	_____
Urea, Solid (46% N)	cwt	16.29	4.0000	65.16	_____
FUNGICIDES					
Stratego	pt	25.00	0.7500	18.75	_____
HERBICIDES					
Command 3ME	pt	15.00	0.6650	9.98	_____
Facet 75DF	lb	50.75	0.4000	20.30	_____
Stam M4	qt	5.98	2.0000	11.96	_____
Permit 75 DF	oz	18.88	0.2500	4.72	_____
Clincher SF	oz	1.96	7.0000	13.72	_____
INSECTICIDES					
Karate Z	oz	3.28	2.0000	6.56	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	90.0000	29.70	_____
Rice Seed (Levees)	lb	0.33	15.0000	4.95	_____
ADJUVANTS					
Surfactant	pt	3.68	0.0500	0.18	_____
Crop Oil Conc.(Pet.)	pt	1.35	1.0000	1.35	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	7.00	4.7500	33.25	_____
HAULING					
Haul Rice	bu	0.22	156.0000	34.32	_____
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.00	0.5000	2.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.5387	6.05	_____
Harvesters	hour	11.23	0.2538	2.85	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_____
Implements	hour	9.06	0.0375	0.34	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0856	0.77	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR					
	hour	11.21	0.6186	6.94	_____
DIESEL FUEL					
Tractors	gal	2.22	5.0360	11.18	_____
Harvesters	gal	2.22	3.4625	7.69	_____
Flood Irr.	gal	2.22	18.7364	41.59	_____
REPAIR & MAINTENANCE					
Implements	acre	6.15	1.0000	6.15	_____
Tractors	acre	2.07	1.0000	2.07	_____
Harvesters	acre	5.77	1.0000	5.77	_____
Flood Irr.	acre	8.54	1.0000	8.54	_____
INTEREST ON OP. CAP.	acre	7.12	1.0000	7.12	_____
TOTAL DIRECT EXPENSES				479.33	_____
FIXED EXPENSES					
Implements	acre	13.90	1.0000	13.90	_____
Tractors	acre	14.24	1.0000	14.24	_____
Harvesters	acre	24.83	1.0000	24.83	_____
Flood Irr.	acre	49.99	1.0000	49.99	_____
TOTAL FIXED EXPENSES				102.96	_____
TOTAL SPECIFIED EXPENSES				582.29	_____

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 23.B Summary of estimated costs and returns per acre
 Straight levee rice
 Multi inlet flood irrigated, 23 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	5.66	156.0000	882.96	_____
TOTAL INCOME				882.96	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	19.00	1.0000	19.00	_____
FERTILIZERS	acre	73.74	1.0000	73.74	_____
FUNGICIDES	acre	18.75	1.0000	18.75	_____
HERBICIDES	acre	60.68	1.0000	60.68	_____
INSECTICIDES	acre	6.56	1.0000	6.56	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	34.65	1.0000	34.65	_____
ADJUVANTS	acre	1.53	1.0000	1.53	_____
CUSTOM FERTILIZE	acre	33.25	1.0000	33.25	_____
HAULING	acre	34.32	1.0000	34.32	_____
DRYING	acre	62.40	1.0000	62.40	_____
SURVEY & MARK LEVEES	acre	2.00	1.0000	2.00	_____
HAND LABOR	hour	9.06	0.3356	3.04	_____
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_____
OPERATOR LABOR	hour	11.23	0.7926	8.90	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	11.21	0.6186	6.94	_____
DIESEL FUEL	gal	2.22	27.2349	60.46	_____
REPAIR & MAINTENANCE	acre	22.53	1.0000	22.53	_____
INTEREST ON OP. CAP.	acre	7.12	1.0000	7.12	_____
TOTAL DIRECT EXPENSES				479.33	_____
RETURNS ABOVE DIRECT EXPENSES				403.63	_____
TOTAL FIXED EXPENSES				102.96	_____
TOTAL SPECIFIED EXPENSES				582.29	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				300.67	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 23.C Estimated resource use for field operations, per acre
 Straight levee rice
 Multi inlet flood irrigated, 23 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Harrow-Folding	40'	MFWD 190	0.038	1.00	Oct		0.03	0.03	0.03	0.03
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar		0.04	0.04	0.04	0.04
Grain Drill	24'	MFWD 190	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					90.0000				
Roller/Cultipacker	30'	MFWD 190	0.049	1.00	Apr		0.04	0.04	0.04	0.04
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Apr		0.01	0.01	0.02	0.01
Command 3ME	pt					0.6650				
Seed Levees				1.00	Apr					
Rice Seed (Levees)	lb					15.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet 75DF	lb					0.4000				
App Fert by Air	cwt			0.75	May	0.7500				
Amm Sulfate (21% N)	cwt					0.7500				
App by Air (5 gal)	appl			0.50	May	0.5000				
Stam M4	qt					2.0000				
Permit 75 DF	oz					0.2500				
Karate Z	oz					1.0000				
Surfactant	pt					0.0500				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.0000				
Crop Oil Conc.(Pet.)	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	1.5000				
Urea, Solid (46% N)	cwt					1.5000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			0.75	Jul	0.7500				
Stratego	pt					0.7500				
App by Air (3 gal)	appl			0.50	Jul	0.5000				
Karate Z	oz					1.0000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Rice (CL)	25' Rigid	265 hp	0.253	1.00	Aug		0.25	0.25	0.25	0.22
Grain Cart Rice	700 bu	MFWD 190	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk - Heavy	21'	MFWD 190	0.097	2.00	Sep		0.19	0.19	0.19	0.17
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.79	0.79	2.99	0.61

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 23.D Estimated costs for field operations, per acre
 Straight levee rice
 Multi inlet flood irrigated, 23 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Harrow-Folding	40'		0.84	0.32	0.83		0.09	2.08	1.35	3.43
Field Cultivate Fld	32'		1.01	0.57	0.99		0.07	2.64	3.08	5.72
Grain Drill	24'		1.71	1.76	2.38		0.13	5.98	5.24	11.22
Rice Seed Conv.	lb	29.70					0.67	30.37		30.37
Roller/Cultipacker	30'		1.08	0.39	1.06		0.06	2.59	1.68	4.27
Spray (Broadcast)	60'		0.31	0.13	0.36		0.02	0.82	0.49	1.31
Command 3ME	pt	9.98					0.22	10.20		10.20
Seed Levees										
Rice Seed (Levees)	lb	4.95					0.11	5.06		5.06
App by Air (5 gal)	appl	6.00					0.11	6.11		6.11
Facet 75DF	lb	20.30					0.38	20.68		20.68
App Fert by Air	cwt	5.25					0.10	5.35		5.35
Amm Sulfate (21% N)	cwt	8.58					0.16	8.74		8.74
App by Air (5 gal)	appl	3.00					0.06	3.06		3.06
Stam M4	qt	11.96					0.22	12.18		12.18
Permit 75 DF	oz	4.72					0.09	4.81		4.81
Karate Z	oz	3.28					0.06	3.34		3.34
Surfactant	pt	0.18						0.18		0.18
App Fert by Air	cwt	17.50					0.33	17.83		17.83
Urea, Solid (46% N)	cwt	40.72					0.76	41.48		41.48
Rice Management										
RICE MGT. LABOR	hour				0.91		0.02	0.93		0.93
App by Air (5 gal)	appl	3.00					0.05	3.05		3.05
Clincher SF	oz	13.72					0.21	13.93		13.93
Crop Oil Conc.(Pet.)	pt	1.35					0.02	1.37		1.37
Rice Management										
RICE MGT. LABOR	hour				1.81		0.03	1.84		1.84
App Fert by Air	cwt	10.50					0.16	10.66		10.66
Urea, Solid (46% N)	cwt	24.44					0.37	24.81		24.81
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
App by Air (5 gal)	appl	4.50					0.05	4.55		4.55
Stratego	pt	18.75					0.21	18.96		18.96
App by Air (3 gal)	appl	2.50					0.03	2.53		2.53
Karate Z	oz	3.28					0.04	3.32		3.32
Rice Management										
RICE MGT. LABOR	hour				1.81		0.01	1.82		1.82
Header - Rice (CL)	25' Rigid		7.69	7.80	5.42		0.16	21.07	28.21	49.28
Grain Cart Rice	700 bu		0.24	0.13	0.23			0.60	0.48	1.08
Handling & Storage										
HAND LABOR	hour				2.27		0.02	2.29		2.29
Haul Rice	bu	34.32					0.26	34.58		34.58
Dry Rice	bu	62.40					0.47	62.87		62.87
Disk - Heavy	21'		4.22	2.40	4.16		0.04	10.82	9.18	20.00
Flood Irr.	acre	8.60	43.36	9.03	11.70		1.31	74.00	53.25	127.25
TOTALS		353.48	60.46	22.53	35.74	0.00	7.12	479.33	102.96	582.29

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 23.E Estimated monthly income and expense flows per acre
 Straight levee rice
 Multi inlet flood irrigated, 23 ac-in., Delta Area, Mississippi, 2010

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	882.96	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	3.00	7.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.30	24.44	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	18.75	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	9.98	36.98	13.72	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	0.00	3.28	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	34.65	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.35	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.75	10.50	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	34.32	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.83	0.00	0.00	0.00	0.00	0.99	9.16	2.72	3.62	3.62	10.64	4.16
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	0.84	0.00	0.00	0.00	0.00	1.01	13.39	10.85	10.85	10.85	8.45	4.22
REPAIR & MAINTENANCE	0.32	0.00	0.00	0.00	0.00	0.57	3.60	5.22	1.17	1.17	8.08	2.40
INTEREST ON OP. CAP.	0.09	0.00	0.00	0.00	0.00	0.07	1.80	2.63	1.05	0.51	0.93	0.04
TOTAL DIRECT EXPENSES	2.08	0.00	0.00	0.00	0.00	2.64	81.18	142.91	69.70	45.18	124.82	10.82
NET INCOME	-2.08	0.00	0.00	0.00	0.00	-2.64	-81.18	-142.91	-69.70	-45.18	758.14	-10.82
NET INCOME TO DATE	-2.08	-2.08	-2.08	-2.08	-2.08	-4.72	-85.90	-228.81	-298.51	-343.69	414.45	403.63

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs

Table 23.F Estimated returns for various price/yield combinations, per acre
 Straight levee rice
 Multi inlet flood irrigated, 23 ac-in., Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
Rice	4.24	4.52	4.81	5.09	5.37	5.66	5.94	6.22	6.50	6.79	7.07		
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-99 -202	-77 -180	-55 -158	-33 -136	-11 -114	10 -92	32 -70	55 -47	77 -25	99 -3	121 18
60	93.60	bu	-43 -145	-16 -119	9 -93	36 -66	62 -40	89 -13	115 12	142 39	168 65	195 92	221 118
70	109.20	bu	13 -89	44 -58	75 -27	106 3	137 34	167 65	198 95	229 126	260 157	291 188	322 219
80	124.80	bu	69 -33	105 2	140 37	175 72	211 108	246 143	281 178	317 214	352 249	387 284	423 320
90	140.40	bu	126 23	166 63	205 102	245 142	285 182	325 222	364 261	404 301	444 341	484 381	523 420
100	156.00	bu	182 79	227 124	271 168	315 212	359 256	403 300	447 344	491 388	536 433	580 477	624 521
110	171.60	bu	239 136	287 184	336 233	385 282	433 330	482 379	530 427	579 476	627 524	676 573	724 622
120	187.20	bu	295 192	348 245	401 298	454 351	507 404	560 457	613 510	666 563	719 616	772 669	825 722
130	202.80	bu	352 249	409 306	467 364	524 421	581 478	639 536	696 593	754 651	811 708	868 765	926 823
140	218.40	bu	408 305	470 367	532 429	594 491	656 553	717 614	779 676	841 738	903 800	965 862	1026 923
150	234.00	bu	465 362	531 428	597 494	663 560	730 627	796 693	862 759	928 825	995 892	1061 958	1127 1024

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 2009 input prices.

Table 24.A Estimated costs per acre
 Clearfield straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (10 gal)	appl	8.00	2.0000	16.00	_____
App by Air (5 gal)	appl	6.00	1.2500	7.50	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	11.44	0.7500	8.58	_____
Urea, Solid (46% N)	cwt	16.29	4.0000	65.16	_____
FUNGICIDES					
Stratego	pt	25.00	1.0000	25.00	_____
HERBICIDES					
Command 3ME	pt	15.00	0.6650	9.98	_____
Newpath 2SL	oz	3.89	8.0000	31.12	_____
Aim 2EC	oz	6.84	1.0000	6.84	_____
Beyond	oz	4.47	1.2500	5.59	_____
INSECTICIDES					
Karate Z	oz	3.28	2.0000	6.56	_____
SEED/PLANTS					
Rice Clearfield	lb	0.88	80.0000	70.40	_____
Rice Seed CF(Levees)	lb	0.88	14.0000	12.32	_____
ADJUVANTS					
Crop Oil Conc.(Pet.)	pt	1.35	0.2000	0.27	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	7.00	5.2500	36.75	_____
HAULING					
Haul Rice	bu	0.22	148.0000	32.56	_____
DRYING					
Dry Rice	bu	0.40	148.0000	59.20	_____
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.00	0.5000	2.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.5106	5.73	_____
Harvesters	hour	11.23	0.2538	2.85	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0856	0.77	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR					
	hour	11.21	0.6186	6.94	_____
DIESEL FUEL					
Tractors	gal	2.22	4.8478	10.76	_____
Harvesters	gal	2.22	3.4625	7.69	_____
Flood Irr.	gal	2.22	21.9949	48.83	_____
REPAIR & MAINTENANCE					
Implements	acre	6.09	1.0000	6.09	_____
Tractors	acre	2.00	1.0000	2.00	_____
Harvesters	acre	5.77	1.0000	5.77	_____
Flood Irr.	acre	8.75	1.0000	8.75	_____
INTEREST ON OP. CAP.	acre	8.45	1.0000	8.45	_____
TOTAL DIRECT EXPENSES				545.60	_____
FIXED EXPENSES					
Implements	acre	13.36	1.0000	13.36	_____
Tractors	acre	13.75	1.0000	13.75	_____
Harvesters	acre	24.83	1.0000	24.83	_____
Flood Irr.	acre	50.21	1.0000	50.21	_____
TOTAL FIXED EXPENSES				102.15	_____
TOTAL SPECIFIED EXPENSES				647.75	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 24.B Summary of estimated costs and returns per acre
 Clearfield straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	5.66	148.0000	837.68	_____

TOTAL INCOME				837.68	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	28.50	1.0000	28.50	_____
FERTILIZERS	acre	73.74	1.0000	73.74	_____
FUNGICIDES	acre	25.00	1.0000	25.00	_____
HERBICIDES	acre	53.53	1.0000	53.53	_____
INSECTICIDES	acre	6.56	1.0000	6.56	_____
SEED/PLANTS	acre	82.72	1.0000	82.72	_____
ADJUVANTS	acre	0.28	1.0000	0.28	_____
CUSTOM FERTILIZE	acre	36.75	1.0000	36.75	_____
HAULING	acre	32.56	1.0000	32.56	_____
DRYING	acre	59.20	1.0000	59.20	_____
SURVEY & MARK LEVEES	acre	2.00	1.0000	2.00	_____
HAND LABOR	hour	9.06	0.3356	3.04	_____
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_____
OPERATOR LABOR	hour	11.23	0.7645	8.58	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	11.21	0.6186	6.94	_____
DIESEL FUEL	gal	2.22	30.3053	67.28	_____
REPAIR & MAINTENANCE	acre	22.61	1.0000	22.61	_____
INTEREST ON OP. CAP.	acre	8.45	1.0000	8.45	_____

TOTAL DIRECT EXPENSES				545.60	_____
RETURNS ABOVE DIRECT EXPENSES				292.08	_____
TOTAL FIXED EXPENSES				102.15	_____

TOTAL SPECIFIED EXPENSES				647.75	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				189.93	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 24.C Estimated resource use for field operations, per acre
 Clearfield straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Harrow-Folding	40'	MFWD 190	0.038	1.00	Oct		0.03	0.03	0.03	0.03
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar		0.04	0.04	0.04	0.04
Grain Drill	24'	MFWD 190	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Clearfield	lb					80.0000				
Roller/Cultipacker	30'	MFWD 190	0.049	1.00	Apr		0.04	0.04	0.04	0.04
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Apr		0.01	0.01	0.02	0.01
Command 3ME	pt					0.6650				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					14.0000				
App by Air (10 gal)	appl			1.00	Apr	1.0000				
Newpath 2SL	oz					4.0000				
Crop Oil Conc.(Pet.)	pt					0.1000				
App Fert by Air	cwt			0.75	May	0.7500				
Amm Sulfate (21% N)	cwt					0.7500				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath 2SL	oz					4.0000				
Aim 2EC	oz					1.0000				
Crop Oil Conc.(Pet.)	pt					0.1000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.25	Jun	0.2500				
Beyond	oz					1.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			0.50	Jun	0.5000				
Karate Z	oz					1.0000				
App Fert by Air	cwt			1.00	Jun	1.0000				
Urea, Solid (46% N)	cwt					0.7500				
App Fert by Air	cwt			1.00	Jul	1.0000				
Urea, Solid (46% N)	cwt					0.7500				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Stratego	pt					1.0000				
App by Air (3 gal)	appl			0.50	Jul	0.5000				
Karate Z	oz					1.0000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Rice (CL)	25' Rigid	265 hp	0.253	1.00	Aug		0.25	0.25	0.25	0.22
Grain Cart Rice	700 bu	MFWD 190	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	148.0000				
Dry Rice	bu			1.00	Aug	148.0000				
Disk - Heavy	21'	MFWD 190	0.097	2.00	Sep		0.19	0.19	0.19	0.17
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.76	0.76	4.17	0.61

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 24.D Estimated costs for field operations, per acre
 Clearfield straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Harrow-Folding	40'		0.84	0.32	0.83		0.09	2.08	1.35	3.43
Field Cultivate Fld	32'		1.01	0.57	0.99		0.07	2.64	3.08	5.72
Grain Drill	24'		1.71	1.76	2.38		0.13	5.98	5.24	11.22
Rice Clearfield	lb	70.40					1.58	71.98		71.98
Roller/Cultipacker	30'		1.08	0.39	1.06		0.06	2.59	1.68	4.27
Spray (Broadcast)	60'		0.31	0.13	0.36		0.02	0.82	0.49	1.31
Command 3ME	pt	9.98					0.22	10.20		10.20
Seed Levees										
Rice Seed CF(Levees)	lb	12.32					0.28	12.60		12.60
App by Air (10 gal)	appl	8.00					0.18	8.18		8.18
Newpath 2SL	oz	15.56					0.35	15.91		15.91
Crop Oil Conc.(Pet.)	pt	0.14						0.14		0.14
App Fert by Air	cwt	5.25					0.10	5.35		5.35
Amm Sulfate (21% N)	cwt	8.58					0.16	8.74		8.74
App Fert by Air	cwt	17.50					0.33	17.83		17.83
Urea, Solid (46% N)	cwt	40.72					0.76	41.48		41.48
App by Air (10 gal)	appl	8.00					0.15	8.15		8.15
Newpath 2SL	oz	15.56					0.29	15.85		15.85
Aim 2EC	oz	6.84					0.13	6.97		6.97
Crop Oil Conc.(Pet.)	pt	0.14						0.14		0.14
Rice Management										
RICE MGT. LABOR	hour				0.91		0.02	0.93		0.93
App by Air (5 gal)	appl	1.50					0.02	1.52		1.52
Beyond	oz	5.59					0.08	5.67		5.67
Rice Management										
RICE MGT. LABOR	hour				1.81		0.03	1.84		1.84
App by Air (3 gal)	appl	2.50					0.04	2.54		2.54
Karate Z	oz	3.28					0.05	3.33		3.33
App Fert by Air	cwt	7.00					0.11	7.11		7.11
Urea, Solid (46% N)	cwt	12.22					0.18	12.40		12.40
App Fert by Air	cwt	7.00					0.08	7.08		7.08
Urea, Solid (46% N)	cwt	12.22					0.14	12.36		12.36
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
App by Air (5 gal)	appl	6.00					0.07	6.07		6.07
Stratego	pt	25.00					0.28	25.28		25.28
App by Air (3 gal)	appl	2.50					0.03	2.53		2.53
Karate Z	oz	3.28					0.04	3.32		3.32
Rice Management										
RICE MGT. LABOR	hour				1.81		0.01	1.82		1.82
Header - Rice (CL)	25' Rigid		7.69	7.80	5.42		0.16	21.07	28.21	49.28
Grain Cart Rice	700 bu		0.24	0.13	0.23			0.60	0.48	1.08
Handling & Storage										
HAND LABOR	hour				2.27		0.02	2.29		2.29
Haul Rice	bu	32.56					0.24	32.80		32.80
Dry Rice	bu	59.20					0.44	59.64		59.64
Disk - Heavy	21'		4.22	2.40	4.16		0.04	10.82	9.18	20.00
Flood Irr.	acre	2.00	50.18	9.11	22.38		1.45	85.12	52.44	137.56
TOTALS		400.84	67.28	22.61	46.42	0.00	8.45	545.60	102.15	647.75

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

Table 24.E Estimated monthly income and expense flows per acre
 Clearfield straight levee rice
 Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

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	837.68	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	8.00	8.00	4.00	8.50	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.30	12.22	12.22	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	25.54	22.40	5.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	3.28	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	82.72	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.75	7.00	7.00	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	32.56	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.20	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.83	0.00	0.00	0.00	0.00	0.99	11.40	5.44	6.34	6.34	10.92	4.16
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	0.84	0.00	0.00	0.00	0.00	1.01	14.87	12.66	12.66	12.66	8.36	4.22
REPAIR & MAINTENANCE	0.32	0.00	0.00	0.00	0.00	0.57	3.56	5.27	1.22	1.22	8.05	2.40
INTEREST ON OP. CAP.	0.09	0.00	0.00	0.00	0.00	0.07	3.34	2.36	0.79	0.87	0.89	0.04
TOTAL DIRECT EXPENSES	2.08	0.00	0.00	0.00	0.00	2.64	151.57	128.32	53.10	77.09	119.98	10.82
NET INCOME	-2.08	0.00	0.00	0.00	0.00	-2.64	-151.57	-128.32	-53.10	-77.09	717.70	-10.82
NET INCOME TO DATE	-2.08	-2.08	-2.08	-2.08	-2.08	-4.72	-156.29	-284.61	-337.71	-414.80	302.90	292.08

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 24.F Estimated returns for various price/yield combinations, per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Delta Area, Mississippi, 2010

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
Rice			-----PRODUCT PRICE-----										
			4.24	4.52	4.81	5.09	5.37	5.66	5.94	6.22	6.50	6.79	7.07
PERCENT	YIELD	UNIT	-----dollars-----										
50	74.00	bu	-185 -287	-164 -266	-143 -245	-122 -224	-101 -203	-80 -182	-59 -161	-38 -140	-17 -119	3 -98	24 -77
60	88.80	bu	-131 -233	-106 -208	-81 -183	-56 -158	-31 -133	-6 -108	19 -83	44 -57	69 -32	94 -7	119 17
70	103.60	bu	-78 -180	-48 -150	-19 -121	9 -92	39 -62	68 -33	97 -4	127 24	156 54	185 83	215 112
80	118.40	bu	-24 -126	9 -93	42 -59	76 -26	109 7	143 40	176 74	210 107	243 141	277 174	310 208
90	133.20	bu	29 -73	66 -35	104 2	142 40	179 77	217 115	255 153	292 190	330 228	368 266	406 303
100	148.00	bu	82 -19	124 22	166 64	208 106	250 148	292 189	333 231	375 273	417 315	459 357	501 399
110	162.80	bu	136 34	182 80	228 126	274 172	320 218	366 264	412 310	458 356	504 402	550 448	596 494
120	177.60	bu	189 87	240 137	290 188	340 238	390 288	441 338	491 389	541 439	591 489	642 540	692 590
130	192.40	bu	243 141	297 195	352 250	406 304	461 359	515 413	570 467	624 522	679 576	733 631	787 685
140	207.20	bu	296 194	355 253	414 312	472 370	531 429	590 488	648 546	707 605	766 663	824 722	883 781
150	222.00	bu	350 248	413 311	476 374	539 436	601 499	664 562	727 625	790 688	853 751	916 813	978 876

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 2009 input prices.

Table 25.A Estimated costs per acre
 Straight levee rice - zero grade
 Flood irrigated, 19 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.7500	16.50	_____
App by Air (3 gal)	appl	5.00	0.5000	2.50	_____
FERTILIZERS					
Amm Sulfate (21% N)	cwt	11.44	0.7500	8.58	_____
Urea, Solid (46% N)	cwt	16.29	4.0000	65.16	_____
FUNGICIDES					
Stratego	pt	25.00	0.7500	18.75	_____
HERBICIDES					
Command 3ME	pt	15.00	0.6650	9.98	_____
Facet 75DF	lb	50.75	0.4000	20.30	_____
Stam M4	qt	5.98	2.0000	11.96	_____
Permit 75 DF	oz	18.88	0.2500	4.72	_____
Clincher SF	oz	1.96	7.0000	13.72	_____
INSECTICIDES					
Karate Z	oz	3.28	2.0000	6.56	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	90.0000	29.70	_____
ADJUVANTS					
Surfactant	pt	3.68	0.0500	0.18	_____
Crop Oil Conc.(Pet.)	pt	1.35	1.0000	1.35	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	7.00	4.7500	33.25	_____
HAULING					
Haul Rice	bu	0.22	164.0000	36.08	_____
DRYING					
Dry Rice	bu	0.40	164.0000	65.60	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.4335	4.87	_____
Harvesters	hour	11.23	0.2200	2.47	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_____
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_____
Implements	hour	9.06	0.0856	0.77	_____
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR					
	hour	11.20	0.5881	6.59	_____
DIESEL FUEL					
Tractors	gal	2.22	4.2397	9.41	_____
Harvesters	gal	2.22	3.0008	6.66	_____
Flood Irr.	gal	2.22	15.4779	34.35	_____
REPAIR & MAINTENANCE					
Implements	acre	5.71	1.0000	5.71	_____
Tractors	acre	1.75	1.0000	1.75	_____
Harvesters	acre	5.00	1.0000	5.00	_____
Flood Irr.	acre	7.35	1.0000	7.35	_____
INTEREST ON OP. CAP.	acre	6.58	1.0000	6.58	_____
TOTAL DIRECT EXPENSES				454.54	_____
FIXED EXPENSES					
Implements	acre	12.40	1.0000	12.40	_____
Tractors	acre	12.03	1.0000	12.03	_____
Harvesters	acre	21.52	1.0000	21.52	_____
Flood Irr.	acre	49.76	1.0000	49.76	_____
TOTAL FIXED EXPENSES				95.71	_____
TOTAL SPECIFIED EXPENSES				550.25	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 25.B Summary of estimated costs and returns per acre
 Straight levee rice - zero grade
 Flood irrigated, 19 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	5.66	164.0000	928.24	_____

TOTAL INCOME				928.24	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	19.00	1.0000	19.00	_____
FERTILIZERS	acre	73.74	1.0000	73.74	_____
FUNGICIDES	acre	18.75	1.0000	18.75	_____
HERBICIDES	acre	60.68	1.0000	60.68	_____
INSECTICIDES	acre	6.56	1.0000	6.56	_____
SED/PLANTS	acre	29.70	1.0000	29.70	_____
ADJUVANTS	acre	1.53	1.0000	1.53	_____
CUSTOM FERTILIZE	acre	33.25	1.0000	33.25	_____
HAULING	acre	36.08	1.0000	36.08	_____
DRYING	acre	65.60	1.0000	65.60	_____
HAND LABOR	hour	9.06	0.3356	3.04	_____
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_____
OPERATOR LABOR	hour	11.23	0.6535	7.34	_____
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_____
UNALLOCATED LABOR	hour	11.20	0.5881	6.59	_____
DIESEL FUEL	gal	2.22	22.7185	50.42	_____
REPAIR & MAINTENANCE	acre	19.81	1.0000	19.81	_____
INTEREST ON OP. CAP.	acre	6.58	1.0000	6.58	_____

TOTAL DIRECT EXPENSES				454.54	_____
RETURNS ABOVE DIRECT EXPENSES				473.70	_____
TOTAL FIXED EXPENSES				95.71	_____

TOTAL SPECIFIED EXPENSES				550.25	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				377.99	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 25.C Estimated resource use for field operations, per acre
 Straight levee rice - zero grade
 Flood irrigated, 19 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Harrow-Folding	40'	MFWD 190	0.038	1.00	Oct		0.03	0.03	0.03	0.03
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar		0.04	0.04	0.04	0.04
Grain Drill	24'	MFWD 190	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					90.0000				
Roller/Cultipacker	30'	MFWD 190	0.049	1.00	Apr		0.04	0.04	0.04	0.04
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Apr		0.01	0.01	0.02	0.01
Command 3ME	pt					0.6650				
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet 75DF	lb					0.4000				
App Fert by Air	cwt			0.75	May	0.7500				
Amm Sulfate (21% N)	cwt					0.7500				
App by Air (5 gal)	appl			0.50	May	0.5000				
Stam M4	qt					2.0000				
Permit 75 DF	oz					0.2500				
Karate Z	oz					1.0000				
Surfactant	pt					0.0500				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.0000				
Crop Oil Conc.(Pet.)	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	1.5000				
Urea, Solid (46% N)	cwt					1.5000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			0.75	Jul	0.7500				
Stratego	pt					0.7500				
App by Air (3 gal)	appl			0.50	Jul	0.5000				
Karate Z	oz					1.0000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Rice (SL)	25' Rigid	265 hp	0.220	1.00	Aug		0.22	0.22	0.22	0.19
Grain Cart Rice	700 bu	MFWD 190	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	164.0000				
Dry Rice	bu			1.00	Aug	164.0000				
Disk - Heavy	21'	MFWD 190	0.097	2.00	Sep		0.19	0.19	0.19	0.17
Flood Irr.	acre				Jan	1.0000			1.05	
TOTALS							0.65	0.65	2.73	0.58

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 25.D Estimated costs for field operations, per acre
 Straight levee rice - zero grade
 Flood irrigated, 19 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Harrow-Folding	40'		0.84	0.32	0.83		0.09	2.08	1.35	3.43
Field Cultivate Fld	32'		1.01	0.57	0.99		0.07	2.64	3.08	5.72
Grain Drill	24'		1.71	1.76	2.38		0.13	5.98	5.24	11.22
Rice Seed Conv.	lb	29.70					0.67	30.37		30.37
Roller/Cultipacker	30'		1.08	0.39	1.06		0.06	2.59	1.68	4.27
Spray (Broadcast)	60'		0.31	0.13	0.36		0.02	0.82	0.49	1.31
Command 3ME	pt	9.98					0.22	10.20		10.20
App by Air (5 gal)	appl	6.00					0.11	6.11		6.11
Facet 75DF	lb	20.30					0.38	20.68		20.68
App Fert by Air	cwt	5.25					0.10	5.35		5.35
Amm Sulfate (21% N)	cwt	8.58					0.16	8.74		8.74
App by Air (5 gal)	appl	3.00					0.06	3.06		3.06
Stam M4	qt	11.96					0.22	12.18		12.18
Permit 75 DF	oz	4.72					0.09	4.81		4.81
Karate Z	oz	3.28					0.06	3.34		3.34
Surfactant	pt	0.18						0.18		0.18
App Fert by Air	cwt	17.50					0.33	17.83		17.83
Urea, Solid (46% N)	cwt	40.72					0.76	41.48		41.48
Rice Management										
RICE MGT. LABOR	hour				0.91		0.02	0.93		0.93
App by Air (5 gal)	appl	3.00					0.05	3.05		3.05
Clincher SF	oz	13.72					0.21	13.93		13.93
Crop Oil Conc.(Pet.)	pt	1.35					0.02	1.37		1.37
Rice Management										
RICE MGT. LABOR	hour				1.81		0.03	1.84		1.84
App Fert by Air	cwt	10.50					0.16	10.66		10.66
Urea, Solid (46% N)	cwt	24.44					0.37	24.81		24.81
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
App by Air (5 gal)	appl	4.50					0.05	4.55		4.55
Stratego	pt	18.75					0.21	18.96		18.96
App by Air (3 gal)	appl	2.50					0.03	2.53		2.53
Karate Z	oz	3.28					0.04	3.32		3.32
Rice Management										
RICE MGT. LABOR	hour				1.81		0.01	1.82		1.82
Header - Rice (SL)	25' Rigid		6.66	6.76	4.69		0.14	18.25	24.45	42.70
Grain Cart Rice	700 bu		0.24	0.13	0.23			0.60	0.48	1.08
Handling & Storage										
HAND LABOR	hour				2.27		0.02	2.29		2.29
Haul Rice	bu	36.08					0.27	36.35		36.35
Dry Rice	bu	65.60					0.49	66.09		66.09
Disk - Heavy	21'		4.22	2.40	4.16		0.04	10.82	9.18	20.00
Flood Irr.	acre		34.35	7.35	9.53		0.87	52.10	49.76	101.86
TOTALS		344.89	50.42	19.81	32.84	0.00	6.58	454.54	95.71	550.25

Note: Cost of production estimates are based on 2009 input prices.
Fertilization decisions should be based on soil tests.

Table 25.E Estimated monthly income and expense flows per acre
 Straight levee rice - zero grade
 Flood irrigated, 19 ac-in., Delta Area, Mississippi, 2010

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	928.24	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	3.00	7.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.30	24.44	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	18.75	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	9.98	36.98	13.72	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	0.00	3.28	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	29.70	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.35	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.75	10.50	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	36.08	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.60	0.00
LABOR	0.83	0.00	0.00	0.00	0.00	0.99	6.52	3.18	4.08	4.08	9.00	4.16
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	0.84	0.00	0.00	0.00	0.00	1.01	10.33	9.04	9.04	9.04	6.90	4.22
REPAIR & MAINTENANCE	0.32	0.00	0.00	0.00	0.00	0.57	2.97	4.92	0.87	0.87	6.89	2.40
INTEREST ON OP. CAP.	0.09	0.00	0.00	0.00	0.00	0.07	1.34	2.60	1.02	0.49	0.93	0.04
TOTAL DIRECT EXPENSES	2.08	0.00	0.00	0.00	0.00	2.64	60.84	141.23	68.02	43.51	125.40	10.82
NET INCOME	-2.08	0.00	0.00	0.00	0.00	-2.64	-60.84	-141.23	-68.02	-43.51	802.84	-10.82
NET INCOME TO DATE	-2.08	-2.08	-2.08	-2.08	-2.08	-4.72	-65.56	-206.79	-274.81	-318.32	484.52	473.70

Note: Cost of production estimates are based on 2009 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 25.F Estimated returns for various price/yield combinations, per acre
 Straight levee rice - zero grade
 Flood irrigated, 19 ac-in., Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Rice			4.24	4.52	4.81	5.09	5.37	5.66	5.94	6.22	6.50	6.79	7.07
PERCENT			-----dollars-----										
YIELD	UNIT												
50	82.00	bu	-55 -150	-32 -127	-8 -104	14 -81	37 -58	60 -34	84 -11	107 11	130 34	153 57	176 81
60	98.40	bu	4 -91	31 -63	59 -35	87 -8	115 19	143 47	171 75	199 103	226 131	254 159	282 186
70	114.80	bu	63 -32	96 0	128 32	160 65	193 97	225 130	258 162	290 195	323 227	355 260	388 292
80	131.20	bu	122 27	160 64	197 101	234 138	271 175	308 212	345 249	382 287	419 324	457 361	494 398
90	147.60	bu	182 86	224 128	265 170	307 211	349 253	391 295	432 337	474 378	516 420	558 462	599 504
100	164.00	bu	241 145	288 192	334 238	380 285	427 331	473 377	520 424	566 470	612 517	659 563	705 610
110	180.40	bu	301 205	352 256	403 307	454 358	505 409	556 460	607 511	658 562	709 613	760 664	811 715
120	196.80	bu	360 264	416 320	471 376	527 431	583 487	638 543	694 598	750 654	805 710	861 765	917 821
130	213.20	bu	419 324	480 384	540 444	600 505	661 565	721 625	781 686	842 746	902 806	962 867	1023 927
140	229.60	bu	479 383	544 448	609 513	674 578	739 643	804 708	868 773	933 838	998 903	1063 968	1128 1033
150	246.00	bu	538 442	608 512	677 582	747 651	816 721	886 790	956 860	1025 930	1095 999	1165 1069	1234 1138

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 2009 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, 2010

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	218,222	300	8	13.64	11.23	30.28	22.73	64.24	97.81	162.05
Combine (300-349 hp)	325 hp	245,060	300	8	16.73	11.23	37.14	25.52	73.89	109.84	183.73
Combine (350-399 hp)	355 hp	265,425	300	8	18.27	11.23	40.55	27.64	79.43	118.96	198.40
Combine (400-449 hp)	425 hp	295,385	300	8	21.87	11.23	48.56	30.76	90.56	132.39	222.96
Combine (450-499hp)	475 hp	311,593	300	8	24.44	11.23	54.27	32.45	97.96	139.66	237.62
Cotton Stripper	173 hp	145,021	200	8	8.08	11.23	17.93	22.65	51.82	97.50	149.32
Tractor(20-39hp)CB	MFWD 30	22,489	600	8	1.54	11.23	3.42	0.70	15.36	4.66	20.02
Tractor(20-39hp)RB	MFWD 30	17,515	600	8	1.54	11.23	3.42	0.54	15.20	3.63	18.84
Tractor(40-59hp)CB	2WD 50	27,323	600	8	2.57	11.23	5.71	0.85	17.79	5.67	23.46
Tractor(40-59hp)CB	MFWD 50	31,011	600	8	2.57	11.23	5.71	0.96	17.91	6.43	24.34
Tractor(40-59hp)RB	2WD 50	21,340	600	8	2.57	11.23	5.71	0.66	17.61	4.42	22.03
Tractor(40-59hp)RB	MFWD 50	25,324	600	8	2.57	11.23	5.71	0.79	17.73	5.25	22.99
Tractor(60-89hp)CB	2WD 75	37,648	600	8	3.86	11.23	8.57	1.17	20.97	7.81	28.79
Tractor(60-89hp)CB	MFWD 75	41,918	600	8	3.86	11.23	8.57	1.30	21.11	8.70	29.81
Tractor(60-89hp)RB	2WD 75	30,393	600	8	3.86	11.23	8.57	0.94	20.74	6.30	27.05
Tractor(60-89hp)RB	MFWD 75	34,785	600	8	3.86	11.23	8.57	1.08	20.88	7.22	28.10
Tractor(90-119hp)CB	2WD 105	60,333	600	8	5.40	11.23	11.99	1.88	25.11	12.52	37.63
Tractor(90-119hp)CB	MFWD 105	67,402	600	8	5.40	11.23	11.99	2.10	25.33	13.99	39.32
Tractor(90-119hp)RB	2WD 105	46,708	600	8	5.40	11.23	11.99	1.45	24.68	9.69	34.38
Tractor(90-119hp)RB	MFWD 105	52,037	600	8	5.40	11.23	11.99	1.62	24.85	10.80	35.65
Tractor(120-139hp)CB	2WD 130	84,260	600	8	6.69	11.23	14.85	2.63	28.71	17.48	46.20
Tractor(120-139hp)CB	MFWD 130	91,323	600	8	6.69	11.23	14.85	2.85	28.93	18.95	47.89
Tractor(140-159hp)CB	2WD 150	98,933	600	8	7.72	11.23	17.14	3.09	31.46	20.53	51.99
Tractor(140-159hp)CB	MFWD 150	107,720	600	8	7.72	11.23	17.14	3.36	31.73	22.35	54.09
Tractor(160-179hp)CB	2WD 170	108,217	600	8	8.75	11.23	19.42	3.38	34.03	23.35	57.39
Tractor(160-179hp)CB	MFWD 170	123,668	600	8	8.75	11.23	19.42	3.86	34.52	26.69	61.21
Tractor(180-199hp)CB	MFWD 190	128,470	600	8	9.77	11.23	21.71	4.01	36.95	27.72	64.68
Tractor(200-249hp)CB	MFWD 225	153,821	600	8	11.58	11.23	25.71	4.80	41.74	33.20	74.94
Tractor(200-249hp)CB	Track 225	180,007	600	8	11.58	11.23	25.71	5.62	42.56	38.85	81.41
Tractor(250-349hp)CB	4WD 300	191,494	600	8	15.44	11.23	34.28	5.98	51.49	41.33	92.82
Tractor(250-349hp)CB	MFWD 300	186,975	600	8	15.44	11.23	34.28	5.84	51.35	40.35	91.71
Tractor(250-349hp)CB	Track 300	197,980	600	8	15.44	11.23	34.28	6.18	51.69	42.73	94.42
Tractor(350-449hp)CB	4WD 400	219,927	600	8	20.58	11.23	45.70	6.87	63.81	47.46	111.27
Tractor(350-449hp)CB	Track 400	258,225	600	8	20.58	11.23	45.70	8.06	65.00	55.73	120.74
Tractor(450-550hp)CB	4WD 500	258,778	600	8	25.73	11.23	57.13	8.08	76.45	55.85	132.30
Tractor(450-550hp)CB	Track 500	283,094	600	8	25.73	11.23	57.13	8.84	77.21	61.10	138.31
Utility Vehicle	600 CC	10,920	200	8	0.50	11.23	1.23	1.70	14.17	7.34	21.51
Utility Vehicle	800 CC	13,687	200	8	0.70	11.23	1.72	2.13	15.09	9.20	24.29

Notes:
 Labor: Includes allocated labor from power unit.
 Total Direct: Does not include interest on operating capital.
 CB = Cab, RB = Roll Bar

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, 2010

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-----					
Backhoe	2WD Cab	71,348	0	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker-1st-BB	4R-30(250)	261,825	200	8	12.86	0.327	6.64	9.35	13.39	29.38	57.62	87.01
Cotton Picker-1st-BB	4R-30(350)	311,088	200	8	18.01	0.327	6.64	13.09	15.91	35.64	68.47	104.12
Cotton Picker-1st-BB	4R-38(255)	262,818	200	8	13.12	0.257	5.23	7.51	10.58	23.32	45.54	68.87
Cotton Picker-1st-BB	4R-38(350)	325,618	200	8	18.01	0.257	5.23	10.30	13.11	28.65	56.43	85.08
Cotton Picker-1st-BB	4R2x1(350)	353,354	200	8	18.01	0.172	3.49	6.89	9.51	19.90	40.93	60.83
Cotton Picker-1st-BB	5R-30(250)	285,303	200	8	12.86	0.261	5.31	7.48	11.67	24.47	50.23	74.70
Cotton Picker-1st-BB	5R-36(250)	290,471	200	8	12.86	0.207	4.20	5.91	9.40	19.52	40.46	59.99
Cotton Picker-1st-BB	6R-30(355)	405,906	200	8	18.27	0.218	4.42	8.85	13.84	27.12	59.56	86.68
Cotton Picker-1st-BB	6R-38(355)	404,462	200	8	18.27	0.172	3.49	6.98	10.88	21.37	46.85	68.23
Cotton Picker-1st-Tr	4R-30(250)	261,825	200	8	12.86	0.327	6.64	9.35	13.39	29.38	57.62	87.01
Cotton Picker-1st-Tr	4R-30(350)	311,088	200	8	18.01	0.327	6.64	13.09	15.91	35.64	68.47	104.12
Cotton Picker-1st-Tr	4R-38(255)	262,818	200	8	13.12	0.257	5.23	7.51	10.58	23.32	45.54	68.87
Cotton Picker-1st-Tr	4R-38(350)	325,618	200	8	18.01	0.257	5.23	10.30	13.11	28.65	56.43	85.08
Cotton Picker-1st-Tr	4R2x1(350)	353,354	200	8	18.01	0.172	3.49	6.89	9.51	19.90	40.93	60.83
Cotton Picker-1st-Tr	5R-30(250)	285,303	200	8	12.86	0.261	5.31	7.48	11.67	24.47	50.23	74.70
Cotton Picker-1st-Tr	5R-36(250)	290,471	200	8	12.86	0.207	4.20	5.91	9.40	19.52	40.46	59.99
Cotton Picker-1st-Tr	6R-30(355)	405,906	200	8	18.27	0.218	4.42	8.85	13.84	27.12	59.56	86.68
Cotton Picker-1st-Tr	6R-38(355)	404,462	200	8	18.27	0.172	3.49	6.98	10.88	21.37	46.85	68.23
Cotton Picker-2nd-BB	4R-30(250)	261,825	200	8	12.86	0.277	5.62	7.92	11.34	24.89	48.81	73.70
Cotton Picker-2nd-BB	4R-30(350)	311,088	200	8	18.01	0.277	5.62	11.09	13.47	30.19	58.00	88.19
Cotton Picker-2nd-BB	4R-38(255)	262,818	200	8	13.12	0.218	4.43	6.36	8.96	19.75	38.58	58.34
Cotton Picker-2nd-BB	4R-38(350)	325,618	200	8	18.01	0.218	4.43	8.73	11.10	24.27	47.80	72.07
Cotton Picker-2nd-BB	4R2x1(350)	353,354	200	8	18.01	0.145	2.96	5.83	8.05	16.85	34.67	51.53
Cotton Picker-2nd-BB	5R-30(250)	285,303	200	8	12.86	0.221	4.50	6.33	9.88	20.72	42.55	63.28
Cotton Picker-2nd-BB	5R-36(250)	290,471	200	8	12.86	0.175	3.56	5.01	7.96	16.54	34.27	50.81
Cotton Picker-2nd-BB	6R-30(355)	405,906	200	8	18.27	0.184	3.75	7.49	11.72	22.97	50.45	73.42
Cotton Picker-2nd-BB	6R-38(355)	404,462	200	8	18.27	0.145	2.96	5.92	9.22	18.10	39.68	57.79
Cotton Picker-2nd-Tr	4R-30(250)	261,825	200	8	12.86	0.277	5.62	7.92	11.34	24.89	48.81	73.70
Cotton Picker-2nd-Tr	4R-30(350)	311,088	200	8	18.01	0.277	5.62	11.09	13.47	30.19	58.00	88.19
Cotton Picker-2nd-Tr	4R-38(255)	262,818	200	8	13.12	0.218	4.43	6.36	8.96	19.75	38.58	58.34
Cotton Picker-2nd-Tr	4R-38(350)	325,618	200	8	18.01	0.218	4.43	8.73	11.10	24.27	47.80	72.07
Cotton Picker-2nd-Tr	4R2x1(350)	353,354	200	8	18.01	0.145	2.96	5.83	8.05	16.85	34.67	51.53
Cotton Picker-2nd-Tr	5R-30(250)	285,303	200	8	12.86	0.221	4.50	6.33	9.88	20.72	42.55	63.28
Cotton Picker-2nd-Tr	5R-38(250)	290,471	200	8	12.86	0.175	3.56	5.01	7.96	16.54	34.27	50.81
Cotton Picker-2nd-Tr	6R-30(355)	405,906	200	8	18.27	0.184	3.75	7.49	11.72	22.97	50.45	73.42
Cotton Picker-2nd-Tr	6R-38(355)	404,462	200	8	18.27	0.145	2.96	5.92	9.22	18.10	39.68	57.79
Cotton Picker/Module	4R-38(365)	456,003	200	8	18.78	0.257	5.23	10.75	18.36	34.34	79.03	113.37
Cotton Picker/Module	6R-30(365)	507,464	200	8	18.78	0.218	4.42	9.10	17.30	30.83	74.46	105.29
Cotton Picker/Module	6R-30(500)	553,245	200	8	25.73	0.218	4.42	12.46	18.86	35.76	81.18	116.94
Cotton Picker/Module	6R-38(365)	505,999	200	8	18.78	0.172	3.49	7.18	13.62	24.30	58.61	82.92
Cotton Picker/Module	6R-38(500)	554,375	200	8	25.73	0.172	3.49	9.84	14.92	28.26	64.22	92.49
Dry Applicator SP	70'300cuft	328,945	350	8	16.98	0.015	0.23	0.56	0.26	1.07	1.90	2.98
Sprayer	110Gal	43,696	350	8	2.41	0.035	0.55	0.18	0.08	0.82	0.59	1.41
Sprayer	300-450gal	94,162	350	8	5.66	0.017	0.27	0.22	0.08	0.58	0.63	1.22
Sprayer	300-450gal	96,671	350	8	6.43	0.013	0.20	0.18	0.06	0.46	0.49	0.95
Sprayer	600-750gal	146,177	350	8	9.00	0.017	0.27	0.35	0.13	0.76	0.99	1.75
Sprayer	600-825gal	180,785	350	8	11.81	0.013	0.20	0.34	0.12	0.68	0.91	1.60
Sprayer	600-825gal	195,439	350	8	12.73	0.011	0.18	0.33	0.12	0.64	0.88	1.52
Sprayer	1000-1400gal	222,643	350	8	14.15	0.010	0.16	0.33	0.12	0.62	0.90	1.53
Sprayer	1000gal	199,997	350	8	14.15	0.010	0.16	0.33	0.11	0.61	0.81	1.42
Sprayer	1000gal	258,435	350	8	15.44	0.010	0.16	0.36	0.14	0.67	1.05	1.72
Sprayer	1200+gal	253,395	350	8	15.44	0.008	0.13	0.30	0.11	0.56	0.85	1.41
Utility Vehicle	20'	13,687	200	8	0.70	0.052	0.83	0.09	0.11	1.03	0.48	1.52
Utility Vehicle	75" Rope W	10,920	200	8	0.50	0.167	2.64	0.20	0.28	3.13	1.23	4.37

Notes:

Labor: includes allocated labor plus any additional labor from self-propelled machine.

Direct: Does not include interest on operating capital.

BB = Boll Buggy, Tr = Trailer

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2010 (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-----							
Module Builder-1st	4R-38(255)	MFWD 190	35,588	200	10	0.257	5.23	5.59	2.29	1.03	14.15	5.19	7.14	26.49
Module Builder-1st	4R-38(325)	MFWD 190	35,588	200	10	0.257	5.23	5.59	2.29	1.03	14.15	5.19	7.14	26.49
Module Builder-1st	4R2x1(350)	MFWD 190	35,588	200	10	0.172	3.49	3.74	1.53	0.69	9.46	3.46	4.77	17.70
Module Builder-1st	5R-30(255)	MFWD 190	35,588	200	10	0.261	5.31	5.68	2.33	1.05	14.38	5.27	7.26	26.91
Module Builder-1st	5R-38(250)	MFWD 190	35,588	200	10	0.207	4.20	4.49	1.84	0.83	11.37	4.17	5.74	21.29
Module Builder-1st	6R-30(325)	MFWD 190	35,588	200	10	0.218	4.42	4.73	1.94	0.87	11.98	4.39	6.05	22.43
Module Builder-1st	6R-38(330)	MFWD 190	35,588	200	10	0.172	3.49	3.74	1.53	0.69	9.46	3.46	4.77	17.70
Module Builder-2nd	4R-30(250)	MFWD 190	35,588	200	10	0.277	5.62	6.02	2.46	1.11	15.22	5.58	7.68	28.50
Module Builder-2nd	4R-30(325)	MFWD 190	35,588	200	10	0.277	5.62	6.02	2.46	1.11	15.22	5.58	7.68	28.50
Module Builder-2nd	4R-38(255)	MFWD 190	35,588	200	10	0.218	4.43	4.74	1.94	0.87	11.99	4.39	6.05	22.44
Module Builder-2nd	4R-38(325)	MFWD 190	35,588	200	10	0.218	4.43	4.74	1.94	0.87	11.99	4.39	6.05	22.44
Module Builder-2nd	4R2x1(350)	MFWD 190	35,588	200	10	0.145	2.96	3.16	1.29	0.58	8.01	2.93	4.04	15.00
Module Builder-2nd	5R-30(255)	MFWD 190	35,588	200	10	0.221	4.50	4.81	1.97	0.89	12.18	4.46	6.15	22.80
Module Builder-2nd	5R-38(250)	MFWD 190	35,588	200	10	0.175	3.56	3.81	1.56	0.70	9.63	3.53	4.86	18.03
Module Builder-2nd	6R-30(325)	MFWD 190	35,588	200	10	0.184	3.75	4.01	1.64	0.74	10.15	3.72	5.12	19.00
Module Builder-2nd	6R-38(330)	MFWD 190	35,588	200	10	0.145	2.96	3.16	1.29	0.58	8.01	2.93	4.04	15.00
Module Builder-Strip	13' Bcast	MFWD 150	35,588	200	10	0.251	5.10	4.31	2.24	0.84	12.51	5.07	5.63	23.21
Module Builder-Strip	16' Bcast	MFWD 150	35,588	200	10	0.204	4.15	3.50	1.82	0.68	10.16	4.12	4.57	18.86
Module Builder-Strip	19' Bcast	MFWD 150	35,588	200	10	0.172	3.49	2.95	1.53	0.58	8.56	3.46	3.85	15.88
Module Builder-Strip	4R-30 2x1	MFWD 150	35,588	200	10	0.218	4.42	3.74	1.94	0.73	10.84	4.39	4.87	20.12
Module Builder-Strip	4R-36	MFWD 150	35,588	200	10	0.272	5.53	4.67	2.42	0.91	13.55	5.49	6.10	25.15
Module Builder-Strip	4R-38	MFWD 150	35,588	200	10	0.257	5.23	4.41	2.29	0.86	12.81	5.19	5.76	23.76
Module Builder-Strip	4R-38 2x1	MFWD 150	35,588	200	10	0.172	3.49	2.95	1.53	0.58	8.56	3.46	3.85	15.88
Module Builder-Strip	5R-30	MFWD 150	35,588	200	10	0.261	5.31	4.48	2.33	0.88	13.01	5.27	5.85	24.14
Module Builder-Strip	5R-38	MFWD 150	35,588	200	10	0.207	4.20	3.55	1.84	0.69	10.29	4.17	4.63	19.10
Module Builder-Strip	6R-30	MFWD 150	35,588	200	10	0.218	4.42	3.74	1.94	0.73	10.84	4.39	4.87	20.12
Module Builder-Strip	6R-38	MFWD 190	35,588	200	10	0.172	3.49	3.74	1.53	0.69	9.46	3.46	4.77	17.70
Module Builder-Strip	8R-36/38	MFWD 190	35,588	200	10	0.129	2.62	2.80	1.15	0.51	7.10	2.60	3.58	13.29
NT Grain Drill	6'	MFWD 170	18,568	150	8	0.327	5.15	6.35	2.27	1.26	15.06	4.84	8.73	28.64
NT Grain Drill	10'	2WD 130	27,418	150	8	0.235	4.78	3.50	2.42	0.62	11.32	5.15	4.12	20.60
NT Grain Drill	12'	2WD 130	34,991	150	8	0.163	3.32	2.43	2.14	0.43	8.33	4.56	2.86	15.76
NT Grain Drill	15'	MFWD 150	38,643	150	8	0.130	2.65	2.24	1.89	0.44	7.23	4.03	2.92	14.20
NT Grain Drill	20'	MFWD 170	55,625	150	8	0.098	1.99	1.90	2.04	0.37	6.32	4.35	2.62	13.30
NT Grain Drill	24'	MFWD 190	74,421	150	8	0.081	1.66	1.77	2.28	0.32	6.05	4.85	2.26	13.17
NT Grain Drill	30'	MFWD 225	99,634	150	8	0.065	1.32	1.68	2.44	0.31	5.77	5.20	2.17	13.14
NT Grain Drill & Pre	6'	MFWD 170	18,568	150	8	0.352	5.55	6.84	2.45	1.36	16.22	5.21	9.41	30.85
NT Grain Drill & Pre	10'	2WD 130	32,440	150	8	0.211	4.29	3.14	2.57	0.55	10.56	5.47	3.69	19.73
NT Grain Drill & Pre	12'	2WD 130	40,014	150	8	0.176	3.57	2.61	2.64	0.46	9.30	5.62	3.08	18.01
NT Grain Drill & Pre	15'	MFWD 150	43,666	150	8	0.141	2.86	2.41	2.30	0.47	8.06	4.90	3.15	16.12
NT Grain Drill & Pre	20'	MFWD 170	60,647	150	8	0.105	2.14	2.05	2.40	0.40	7.01	5.11	2.82	14.95
NT Grain Drill & Pre	24'	MFWD 190	79,443	150	8	0.088	1.78	1.91	2.62	0.35	6.68	5.58	2.44	14.70
NT Grain Drill & Pre	30'	MFWD 225	104,657	150	8	0.070	1.43	1.81	2.76	0.33	6.34	5.88	2.34	14.57
NT Plant Folding	12R-15	MFWD 225	97,501	150	8	0.130	2.06	3.36	4.78	0.62	10.84	10.17	4.34	25.37
NT Plant&Pre-Folding	8R-38	MFWD 170	46,117	150	8	0.083	1.69	1.62	1.44	0.32	5.08	3.07	2.23	10.39
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	67,295	150	8	0.055	1.12	1.08	1.40	0.21	3.83	2.98	1.48	8.30
NT Plant&Pre-Folding	10R-30	MFWD 190	57,555	150	8	0.084	1.71	1.83	1.82	0.33	5.72	3.88	2.34	11.94
NT Plant&Pre-Folding	12R-15	MFWD 225	102,523	150	8	0.141	2.22	3.62	5.42	0.67	11.94	11.52	4.68	28.15
NT Plant&Pre-Folding	12R-20	MFWD 190	66,597	150	8	0.105	2.14	2.29	2.64	0.42	7.50	5.61	2.93	16.05
NT Plant&Pre-Folding	12R-30	MFWD 190	70,136	150	8	0.070	1.43	1.53	1.85	0.28	5.09	3.94	1.95	10.99
NT Plant&Pre-Folding	12R-38	MFWD 190	67,295	150	8	0.055	1.12	1.20	1.40	0.22	3.96	2.98	1.54	8.49
NT Plant&Pre-Folding	16R-30	MFWD 190	90,929	150	8	0.052	1.07	1.14	1.80	0.21	4.23	3.83	1.46	9.53
NT Plant&Pre-Folding	23R-15	MFWD 190	108,798	150	8	0.073	1.49	1.59	2.99	0.29	6.37	6.37	2.03	14.78
NT Plant&Pre-Folding	24R-15	MFWD 225	112,216	150	8	0.070	1.43	1.81	2.96	0.33	6.54	6.30	2.34	15.19
NT Plant&Pre-Folding	24R-20	MFWD 190	122,343	150	8	0.052	1.07	1.14	2.42	0.21	4.85	5.15	1.46	11.48
NT Plant&Pre-Folding	24R-30	MFWD 190	149,696	150	8	0.035	0.71	0.76	1.97	0.14	3.60	4.20	0.97	8.78
NT Plant&Pre-Folding	31R-15	MFWD 225	131,316	150	8	0.054	1.10	1.40	2.69	0.26	5.46	5.72	1.81	13.00
NT Plant&Pre-Folding	32R-15	MFWD 225	145,722	150	8	0.052	1.07	1.35	2.88	0.25	5.57	6.14	1.75	13.47
NT Plant&Pre-Folding	32R-30	MFWD 225	209,979	150	8	0.026	0.53	0.67	2.08	0.12	3.42	4.42	0.87	8.72
NT Plant&Pre-Folding	36R-20	MFWD 225	164,656	150	8	0.035	0.71	0.90	2.17	0.16	3.96	4.62	1.17	9.76
NT Plant&Pre-Folding	36R-30	MFWD 225	253,210	150	8	0.023	0.47	0.60	2.23	0.11	3.42	4.74	0.78	8.94
NT Plant&Pre-Rigid	4R-30	2WD 130	24,784	150	8	0.211	4.29	3.14	1.96	0.55	9.95	4.17	3.69	17.83
NT Plant&Pre-Rigid	4R-38	2WD 130	25,092	150	8	0.166	3.37	2.47	1.56	0.43	7.86	3.33	2.91	14.10
NT Plant&Pre-Rigid	6R-30	MFWD 150	31,797	150	8	0.141	2.86	2.41	1.68	0.47	7.43	3.57	3.15	14.16
NT Plant&Pre-Rigid	6R-38	MFWD 150	31,559	150	8	0.111	2.25	1.90	1.31	0.37	5.85	2.80	2.48	11.15
NT Plant&Pre-Rigid	8R-30	MFWD 170	39,094	150	8	0.105	2.14	2.05	1.55	0.40	6.16	3.29	2.82	12.27
NT Plant&Pre-Rigid	8R-38	MFWD 170	35,772	150	8	0.083	1.69	1.62	1.12	0.32	4.76	2.38	2.23	9.38
NT Plant&Pre-Rigid	10R-30	MFWD 190	38,123	150	8	0.084	1.71	1.83	1.20	0.33	5.10	2.57	2.34	10.02
NT Plant&Pre-Rigid	11R-15	MFWD 170	44,213	150	8	0.143	2.91	2.79	2.38	0.55	8.65	5.07	3.84	17.57
NT Plant&Pre-Rigid	11R-20	MFWD 170	42,401	150	8	0.115	2.34	2.24	1.83	0.44	6.87	3.90	3.08	13.86
NT Plant&Pre-Rigid	12R-20	MFWD 190	49,116	150	8	0.105	2.14	2.29	1.94	0.42	6.81	4.14	2.93	13.88
NT Plant&Pre-Rigid	12R-30	MFWD 190	55,190	150	8	0.070	1.43	1.53	1.45	0.28	4.70	3.10	1.95	9.76
NT Plant&Pre-Rigid	13R-18/20	MFWD 225	47,400	150	8	0.097	1.97	2.50	1.73	0.46	6.68	3.68	3.23	13.60
NT Plant&Pre-Rigid	15R-15	MFWD 190	57,405	150	8	0.113	2.29	2.45	2.43	0.45	7.64	5.17	3.13	15.95
NT Plant&Pre-Rigid	15R-20	MFWD 190	52,096	150	8	0.084	1.71	1.83	1.65	0.33	5.54	3.51	2.34	11.40
NT Plant&Pre-Rigid	16R-30	MFWD 225	91,735	150	8	0.052	1.07	1.35	1.81	0.25	4.50	3.86	1.75	10.12
NT Plant&Pre-TwinRow	12R-30/40	MFWD 225	104,162	150	8	0.055	1.12	1.43	2.17	0.26	5.00	4.62	1.84	11.47
NT Plant&Pre-TwinRow	8R-30/40	MFWD 225	85,944	150	8	0.083	1.69	2.14	2.69	0.40	6.94	5.72	2.77	15.44
NT Plant-Folding	8R-38	MFWD 170	41,094	150	8	0.077	1.57	1.50	1.19	0.30	4.58	2.54	2.07	9.19

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2010 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---	Total	--Fixed--	Total		
			dollars	hours	years	hr/acre	-----\$/acre-----						Cost	
							Imp.	P.U.	Direct	Imp.	P.U.			
NT Plant-Folding	8R-38 2x1	MFWD 170	60,826	150	8	0.051	1.04	1.00	1.17	0.19	3.43	2.50	1.37	7.31
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	1.59	1.70	1.53	0.31	5.14	3.26	2.17	10.58
NT Plant-Folding	12R-20	MFWD 190	61,574	150	8	0.098	1.99	2.13	2.26	0.39	6.78	4.82	2.72	14.33
NT Plant-Folding	12R-30	MFWD 190	65,113	150	8	0.065	1.32	1.42	1.59	0.26	4.61	3.39	1.81	9.82
NT Plant-Folding	12R-38	MFWD 190	60,826	150	8	0.051	1.04	1.12	1.17	0.20	3.55	2.50	1.43	7.49
NT Plant-Folding	16R-30	MFWD 190	84,460	150	8	0.049	0.99	1.06	1.55	0.19	3.81	3.30	1.36	8.48
NT Plant-Folding	23R-15	MFWD 190	103,775	150	8	0.068	1.38	1.48	2.65	0.27	5.79	5.64	1.89	13.32
NT Plant-Folding	24R-15	MFWD 225	107,193	150	8	0.065	1.32	1.68	2.63	0.31	5.95	5.59	2.17	13.72
NT Plant-Folding	24R-20	MFWD 190	115,874	150	8	0.049	0.99	1.06	2.13	0.19	4.39	4.53	1.36	10.29
NT Plant-Folding	24R-30	MFWD 190	138,752	150	8	0.032	0.66	0.71	1.70	0.13	3.21	3.62	0.90	7.73
NT Plant-Folding	31R-15	MFWD 225	120,372	150	8	0.050	1.02	1.30	2.29	0.24	4.87	4.87	1.68	11.42
NT Plant-Folding	32R-15	MFWD 225	134,778	150	8	0.049	0.99	1.26	2.48	0.23	4.97	5.27	1.63	11.88
NT Plant-Folding	32R-30	MFWD 225	202,399	150	8	0.024	0.49	0.63	1.86	0.11	3.11	3.96	0.81	7.88
NT Plant-Folding	36R-20	MFWD 225	153,712	150	8	0.032	0.66	0.84	1.88	0.15	3.55	4.01	1.08	8.64
NT Plant-Folding	36R-30	MFWD 225	242,266	150	8	0.021	0.44	0.56	1.98	0.10	3.09	4.21	0.72	8.03
NT Plant-Rigid	4R-30	2WD 130	19,762	150	8	0.196	3.98	2.91	1.45	0.51	8.87	3.09	3.43	15.40
NT Plant-Rigid	4R-38	2WD 130	20,070	150	8	0.154	3.13	2.29	1.16	0.40	7.00	2.47	2.70	12.18
NT Plant-Rigid	6R-30	MFWD 150	26,774	150	8	0.130	2.65	2.24	1.31	0.44	6.65	2.79	2.92	12.38
NT Plant-Rigid	6R-38	MFWD 150	26,536	150	8	0.103	2.09	1.77	1.02	0.34	5.24	2.18	2.31	9.74
NT Plant-Rigid	8R-30	MFWD 170	34,072	150	8	0.098	1.99	1.90	1.25	0.37	5.53	2.66	2.62	10.82
NT Plant-Rigid	8R-38	MFWD 170	30,750	150	8	0.077	1.57	1.50	0.89	0.30	4.27	1.90	2.07	8.25
NT Plant-Rigid	10R-30	MFWD 190	33,100	150	8	0.078	1.59	1.70	0.97	0.31	4.59	2.07	2.17	8.84
NT Plant-Rigid	11R-15	MFWD 170	39,191	150	8	0.133	2.71	2.59	1.96	0.51	7.78	4.17	3.56	15.52
NT Plant-Rigid	11R-20	MFWD 170	37,379	150	8	0.107	2.17	2.08	1.50	0.41	6.18	3.19	2.86	12.24
NT Plant-Rigid	12R-20	MFWD 190	44,094	150	8	0.098	1.99	2.13	1.62	0.39	6.14	3.45	2.72	12.31
NT Plant-Rigid	12R-30	MFWD 190	50,168	150	8	0.065	1.32	1.42	1.23	0.26	4.24	2.61	1.81	8.67
NT Plant-Rigid	13R-18/20	MFWD 225	41,380	150	8	0.090	1.84	2.33	1.41	0.43	6.03	2.99	3.01	12.05
NT Plant-Rigid	15R-15	MFWD 190	50,936	150	8	0.105	2.13	2.28	2.00	0.42	6.83	4.26	2.91	14.01
NT Plant-Rigid	15R-20	MFWD 190	46,076	150	8	0.078	1.59	1.70	1.35	0.31	4.97	2.88	2.17	10.03
NT Plant-Rigid	16R-30	MFWD 225	85,715	150	8	0.049	0.99	1.26	1.57	0.23	4.07	3.35	1.63	9.05
NT Plant-TwinRow	12R-30/40	MFWD 225	97,693	150	8	0.051	1.04	1.32	1.89	0.24	4.51	4.02	1.71	10.26
NT Plant-TwinRow	8R-30/40	MFWD 225	80,921	150	8	0.077	1.57	1.99	2.35	0.37	6.30	5.00	2.57	13.88
One Trip Plow	4R-38	MFWD 170	21,959	150	10	0.146	1.64	2.85	1.50	0.56	6.56	2.51	3.91	12.99
One Trip Plow	6R-38	MFWD 190	24,276	150	10	0.097	1.09	2.11	1.10	0.39	4.69	1.84	2.69	9.23
One Trip Plow	8R-38	MFWD 225	36,003	150	10	0.073	0.83	1.90	1.24	0.35	4.32	2.07	2.45	8.85
Paratill & Bed Fold.	8R-38	MFWD 225	38,732	150	12	0.080	0.90	2.07	1.12	0.38	4.50	2.19	2.68	9.37
Paratill & Bed Fold.	8R-38 2x1	MFWD 225	51,707	150	12	0.053	0.60	1.38	1.00	0.25	3.24	1.95	1.78	6.98
Paratill & Bed Fold.	10R-30	MFWD 225	32,137	150	12	0.081	0.91	2.10	0.94	0.39	4.36	1.84	2.71	8.91
Paratill & Bed Fold.	12R-38	MFWD 225	51,707	150	12	0.053	0.60	1.38	1.00	0.25	3.24	1.95	1.78	6.98
Paratill & Bed Rigid	4R-30	MFWD 225	13,795	150	12	0.204	2.29	5.25	1.01	0.98	9.54	1.97	6.78	18.31
Paratill & Bed Rigid	4R-38	MFWD 225	13,087	150	12	0.160	1.80	4.13	0.76	0.77	7.47	1.47	5.34	14.29
Paratill & Bed Rigid	6R-30	MFWD 225	18,932	150	12	0.136	1.52	3.50	0.93	0.65	6.61	1.81	4.52	12.95
Paratill & Bed Rigid	6R-38	MFWD 225	18,426	150	12	0.107	1.20	2.76	0.71	0.51	5.20	1.39	3.57	10.16
Paratill & Bed Rigid	8R-30	MFWD 225	23,794	150	12	0.102	1.14	2.62	0.87	0.49	5.14	1.70	3.39	10.24
Paratill & Bed Rigid	8R-38	MFWD 225	23,989	150	12	0.080	0.90	2.07	0.69	0.38	4.07	1.35	2.68	8.11
Paratill & Bed Rigid	10R-30	MFWD 225	24,422	150	12	0.081	0.91	2.10	0.72	0.39	4.13	1.40	2.71	8.24
Peanut Cond. & Lifter	6-Row	MFWD 190	12,255	300	20	0.100	1.12	2.17	0.20	0.40	3.89	0.34	2.77	7.02
Peanut Conditioner	6-Row	MFWD 190	12,488	300	20	0.100	1.12	2.17	0.24	0.40	3.94	0.32	2.77	7.04
Peanut Dig/Inventor	4R-30	MFWD 190	25,098	300	15	0.235	2.64	5.12	1.47	0.94	10.18	1.97	6.53	18.70
Peanut Dig/Inventor	4R-38	MFWD 190	25,098	300	15	0.186	2.09	4.04	1.16	0.74	8.04	1.56	5.16	14.76
Peanut Dig/Inventor	6R-38	MFWD 190	35,640	300	15	0.124	1.39	2.69	0.77	0.49	5.36	1.47	3.44	10.27
Peanut Dump Cart	6-Row	MFWD 190	38,771	300	20	0.310	3.48	6.73	0.70	1.24	12.15	3.32	8.59	24.07
Peanut Harvester	4R-30	MFWD 225	118,808	300	20	0.849	9.54	21.85	5.72	4.08	41.20	26.21	28.22	95.64
Peanut Harvester	4R-38	MFWD 225	118,808	300	20	0.934	10.49	24.02	6.29	4.49	45.30	29.77	31.02	106.11
Peanut Harvester	6R-38	MFWD 225	135,617	300	20	0.625	7.01	16.06	4.09	3.00	30.18	22.73	20.75	73.67
Peanut Lifter	6-Row	MFWD 225	5,483	300	20	0.100	1.12	2.57	0.11	0.48	4.28	0.14	3.32	7.75
Peanut Plt&Pre Fold.	12R-38	MFWD 190	61,161	150	8	0.080	1.63	1.74	1.84	0.32	5.54	3.92	2.22	11.69
Peanut Plt&Pre Rigid	8R-30	MFWD 190	35,004	150	8	0.152	3.09	3.31	2.00	0.61	9.03	4.26	4.23	17.53
Peanut Plt&Pre Rigid	8R-38	MFWD 190	28,962	150	8	0.120	2.45	2.62	1.31	0.48	6.86	2.78	3.34	13.00
Pipe Spool 160ac	1/4m roll	2WD 130	3,850	15	12	0.003	0.09	0.04	0.00	0.00	0.15	0.08	0.05	0.29
Pipe Trailer 1m/160a	30'	2WD 130	1,122	100	15	0.003	0.17	0.05	0.00	0.00	0.24	0.00	0.06	0.31
Plant & Pre-Folding	8R-38	MFWD 170	42,027	150	8	0.080	1.62	1.55	1.26	0.31	4.76	2.68	2.14	9.59
Plant & Pre-Folding	8R-38 2x1	MFWD 170	61,161	150	8	0.053	1.08	1.03	1.22	0.20	3.55	2.60	1.42	7.58
Plant & Pre-Folding	10R-30	MFWD 190	52,920	150	8	0.081	1.64	1.76	1.61	0.32	5.34	3.42	2.25	11.02
Plant & Pre-Folding	12R-15	MFWD 225	96,386	150	8	0.135	2.13	3.48	4.89	0.65	11.15	10.40	4.49	26.05
Plant & Pre-Folding	12R-20	MFWD 190	60,462	150	8	0.101	2.06	2.20	2.30	0.40	6.97	4.89	2.81	14.68
Plant & Pre-Folding	12R-30	MFWD 190	64,001	150	8	0.067	1.37	1.46	1.62	0.27	4.73	3.45	1.87	10.07
Plant & Pre-Folding	12R-38	MFWD 190	61,161	150	8	0.053	1.08	1.16	1.22	0.21	3.68	2.60	1.48	7.77
Plant & Pre-Folding	16R-30	MFWD 190	82,750	150	8	0.050	1.03	1.10	1.57	0.20	3.91	3.34	1.40	8.66
Plant & Pre-Folding	23R-15	MFWD 190	97,040	150	8	0.070	1.43	1.53	2.56	0.28	5.81	5.45	1.95	13.22
Plant & Pre-Folding	24R-15	MFWD 225	99,947	150	8	0.067	1.37	1.74	2.53	0.32	5.97	5.39	2.24	13.61
Plant & Pre-Folding	24R-20	MFWD 190	110,075	150	8	0.050	1.03	1.10	2.09	0.20	4.43	4.45	1.40	10.29
Plant & Pre-Folding	24R-30	MFWD 190	137,427	150	8	0.033	0.68	0.73	1.74	0.13	3.30	3.70	0.93	7.94
Plant & Pre-Folding	31R-15	MFWD 225	115,469	150	8	0.052	1.06	1.34	2.27	0.25	4.93	4.82	1.74	11.50
Plant & Pre-Folding	32R-15	MFWD 225	129,363	150	8	0.050	1.03	1.30	2.46	0.24	5.04	5.23	1.68	11.96
Plant & Pre-Folding	32R-30	MFWD 225	195,147	150	8	0.025	0.51	0.65	1.85	0.12	3.14	3.94	0.84	7.93
Plant & Pre-Folding	36R-20	MFWD 225	146,253	150	8	0.033	0.68	0.87	1.85	0.16	3.57	3.94	1.12	8.64
Plant & Pre-Folding	36R-30	MFWD 225	234,807	150	8	0.022	0.45	0.58	1.98	0.10	3.13	4.22	0.74	8.10
Plant & Pre-Rigid	4R-30	2WD 130	22,740	150	8	0.203	4.12	3.01	1.73	0.53	9.40	3.68	3.55	16.63

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2010 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M--- Imp. P.U.	Total Direct	--Fixed-- Imp. P.U.	Total Cost		
			dollars	hours	years	hr/ac	-----\$/acre-----							
Plant & Pre-Rigid	4R-38	2WD 130	23,047	150	8	0.159	3.24	2.37	1.38	0.42	7.42	2.93	2.79	13.15
Plant & Pre-Rigid	6R-30	MFWD 150	29,752	150	8	0.135	2.74	2.32	1.51	0.45	7.03	3.21	3.02	13.27
Plant & Pre-Rigid	6R-38	MFWD 150	28,491	150	8	0.106	2.16	1.83	1.14	0.35	5.50	2.42	2.38	10.31
Plant & Pre-Rigid	8R-30	MFWD 170	35,004	150	8	0.101	2.06	1.97	1.33	0.39	5.75	2.83	2.71	11.30
Plant & Pre-Rigid	8R-38	MFWD 170	31,683	150	8	0.080	1.62	1.55	0.95	0.31	4.45	2.02	2.14	8.62
Plant & Pre-Rigid	10R-30	MFWD 190	33,011	150	8	0.081	1.64	1.76	1.00	0.32	4.74	2.13	2.25	9.13
Plant & Pre-Rigid	11R-15	MFWD 170	38,590	150	8	0.148	3.00	2.87	2.14	0.57	8.60	4.56	3.95	17.12
Plant & Pre-Rigid	11R-20	MFWD 170	36,778	150	8	0.110	2.25	2.15	1.53	0.42	6.36	3.25	2.96	12.58
Plant & Pre-Rigid	12R-20	MFWD 190	42,982	150	8	0.101	2.06	2.20	1.63	0.40	6.30	3.47	2.81	12.60
Plant & Pre-Rigid	12R-30	MFWD 190	49,056	150	8	0.067	1.37	1.46	1.24	0.27	4.36	2.64	1.87	8.88
Plant & Pre-Rigid	13R-18/20	MFWD 225	41,375	150	8	0.093	1.89	2.40	1.45	0.44	6.20	3.08	3.10	12.40
Plant & Pre-Rigid	15R-15	MFWD 190	49,737	150	8	0.108	2.20	2.35	2.02	0.43	7.02	4.30	3.01	14.34
Plant & Pre-Rigid	15R-20	MFWD 190	45,144	150	8	0.081	1.64	1.76	1.37	0.32	5.11	2.92	2.25	10.28
Plant & Pre-Rigid	16R30	MFWD 225	84,319	150	8	0.050	1.03	1.30	1.60	0.24	4.18	3.41	1.68	9.28
Plant & Pre-TwinRow	12R-30/40	MFWD 225	98,028	150	8	0.053	1.08	1.37	1.96	0.25	4.67	4.17	1.77	10.63
Plant & Pre-TwinRow	8R-30/40	MFWD 225	76,832	150	8	0.080	1.62	2.06	2.31	0.38	6.39	4.91	2.66	13.97
Plant - Folding	8R-38	MFWD 170	37,005	150	8	0.074	1.51	1.44	1.03	0.28	4.28	2.19	1.98	8.47
Plant - Folding	8R-38 2x1	MFWD 170	54,691	150	8	0.049	1.00	0.96	1.01	0.19	3.18	2.16	1.32	6.66
Plant - Folding	10R-30	MFWD 190	47,426	150	8	0.075	1.53	1.63	1.34	0.30	4.81	2.85	2.09	9.75
Plant - Folding	12R-15	MFWD 225	91,366	150	8	0.135	2.13	3.48	4.63	0.65	10.90	9.86	4.49	25.25
Plant - Folding	12R-20	MFWD 190	55,440	150	8	0.094	1.91	2.04	1.96	0.37	6.29	4.16	2.61	13.08
Plant - Folding	12R-30	MFWD 190	58,979	150	8	0.062	1.27	1.36	1.39	0.25	4.28	2.95	1.74	8.98
Plant - Folding	12R-38	MFWD 190	54,691	150	8	0.049	1.00	1.07	1.01	0.19	3.30	2.16	1.37	6.84
Plant - Folding	16R-30	MFWD 190	76,281	150	8	0.047	0.95	1.02	1.34	0.18	3.51	2.86	1.30	7.69
Plant - Folding	23R-15	MFWD 190	92,018	150	8	0.065	1.32	1.42	2.25	0.26	5.27	4.80	1.81	11.89
Plant - Folding	24R-15	MFWD 225	94,924	150	8	0.062	1.27	1.61	2.23	0.30	5.43	4.75	2.08	12.27
Plant - Folding	24R-20	MFWD 190	103,605	150	8	0.047	0.95	1.02	1.83	0.18	4.00	3.89	1.30	9.20
Plant - Folding	24R-30	MFWD 190	126,483	150	8	0.031	0.63	0.68	1.49	0.12	2.93	3.16	0.87	6.97
Plant - Folding	31R-15	MFWD 225	104,525	150	8	0.048	0.98	1.25	1.91	0.23	4.38	4.06	1.61	10.06
Plant - Folding	32R-15	MFWD 225	118,419	150	8	0.047	0.95	1.21	2.09	0.22	4.48	4.45	1.56	10.50
Plant - Folding	32R-30	MFWD 225	187,567	150	8	0.023	0.47	0.60	1.65	0.11	2.85	3.52	0.78	7.16
Plant - Folding	36R-20	MFWD 225	135,309	150	8	0.031	0.63	0.80	1.59	0.15	3.19	3.39	1.04	7.62
Plant - Folding	36R-30	MFWD 225	223,863	150	8	0.020	0.42	0.53	1.75	0.10	2.82	3.73	0.69	7.25
Plant - Rigid	4R-30	2WD 130	17,717	150	8	0.188	3.82	2.80	1.25	0.49	8.37	2.66	3.29	14.33
Plant - Rigid	4R-38	2WD 130	18,025	150	8	0.148	3.01	2.20	1.00	0.39	6.61	2.13	2.59	11.34
Plant - Rigid	6R-30	MFWD 150	24,730	150	8	0.125	2.55	2.15	1.16	0.42	6.29	2.47	2.81	11.58
Plant - Rigid	6R-38	MFWD 150	23,469	150	8	0.099	2.01	1.70	0.87	0.33	4.92	1.85	2.21	8.99
Plant - Rigid	8R-30	MFWD 170	29,982	150	8	0.094	1.91	1.83	1.06	0.36	5.16	2.25	2.51	9.93
Plant - Rigid	8R-38	MFWD 170	26,660	150	8	0.074	1.51	1.44	0.74	0.28	3.99	1.58	1.98	7.56
Plant - Rigid	10R-30	MFWD 190	27,988	150	8	0.075	1.53	1.63	0.79	0.30	4.26	1.68	2.09	8.03
Plant - Rigid	11R-15	MFWD 170	33,567	150	8	0.137	2.79	2.67	1.73	0.53	7.73	3.68	3.67	15.08
Plant - Rigid	11R-20	MFWD 170	31,756	150	8	0.103	2.09	2.00	1.22	0.39	5.71	2.60	2.75	11.07
Plant - Rigid	12R-20	MFWD 190	37,959	150	8	0.094	1.91	2.04	1.34	0.37	5.68	2.85	2.61	11.14
Plant - Rigid	12R-30	MFWD 190	44,033	150	8	0.062	1.27	1.36	1.03	0.25	3.93	2.20	1.74	7.88
Plant - Rigid	13R-18/20	MFWD 225	35,355	150	8	0.086	1.76	2.23	1.15	0.41	5.56	2.44	2.88	10.90
Plant - Rigid	15R-15	2WD 150	43,268	150	8	0.094	1.91	1.61	1.52	0.29	5.35	3.25	1.93	10.53
Plant - Rigid	15R-20	MFWD 190	39,124	150	8	0.075	1.53	1.63	1.10	0.30	4.57	2.35	2.09	9.02
Plant - Rigid	16R-30	MFWD 225	78,299	150	8	0.047	0.95	1.21	1.38	0.22	3.77	2.94	1.56	8.28
Plant - TwinRow	12R-30/40	MFWD 225	91,558	150	8	0.049	1.00	1.27	1.70	0.23	4.22	3.62	1.64	9.49
Plant - TwinRow	8R-30/40	MFWD 225	81,854	150	8	0.074	1.51	1.91	2.28	0.35	6.07	4.86	2.47	13.41
Ridge Till Cult + PD	8R-30	2WD 150	30,140	200	12	0.110	1.73	1.88	1.58	0.34	5.54	1.79	2.25	9.59
Ridge Till Cult + PD	12R-30	2WD 190	41,293	200	12	0.073	1.15	1.59	1.45	0.25	4.45	1.63	1.74	7.82
Ridge Till Cultivate	8R-30	2WD 170	25,118	200	12	0.103	1.15	2.00	1.24	0.34	4.75	1.40	2.40	8.56
Ridge Till Cultivate	12R-30	2WD 190	36,271	200	12	0.068	0.77	1.49	1.19	0.23	3.69	1.34	1.63	6.67
Rip/Bed/Till-Fold.	8R-38	MFWD 190	34,080	300	20	0.073	0.82	1.58	0.12	0.29	2.82	0.68	2.02	5.54
Rip/Bed/Till-Fold.	12R-30	MFWD 225	47,583	300	20	0.061	0.69	1.58	0.14	0.29	2.71	0.81	2.04	5.57
Rip/Bed/Till-Fold.	12R-38	MFWD 225	47,583	300	20	0.046	0.51	1.18	0.10	0.22	2.03	0.60	1.53	4.18
Rip/Bed/Till-Rigid	4R-30	MFWD 190	15,062	300	20	0.184	2.07	4.01	0.13	0.74	6.97	0.77	5.12	12.86
Rip/Bed/Till-Rigid	4R-38	MFWD 190	15,062	300	20	0.146	1.64	3.18	0.11	0.58	5.53	0.61	4.06	10.21
Rip/Bed/Till-Rigid	6R-38	MFWD 190	22,010	300	20	0.097	1.09	2.11	0.10	0.39	3.70	0.59	2.69	6.99
Rip/Bed/Till-Rigid	8R-30	MFWD 190	27,931	300	20	0.139	1.56	3.01	0.19	0.55	5.33	1.07	3.85	10.25
Rip/Bed/Till-Rigid	8R-38	MFWD 190	27,931	300	20	0.073	0.82	1.58	0.10	0.29	2.80	0.56	2.02	5.39
Rip/Bed/Till-Rigid	6R-30	MFWD 190	22,010	300	20	0.123	1.38	2.67	0.13	0.49	4.69	0.75	3.41	8.85
Ripper Conditioner	6-Row	MFWD 225	20,225	150	12	0.107	1.20	2.76	0.78	0.51	5.27	1.52	3.57	10.37
Ripper Conditioner	8-Row	MFWD 225	24,150	150	12	0.080	0.90	2.07	0.70	0.38	4.07	1.36	2.68	8.12
Roller/Cultipacker	12'	2WD 130	5,583	300	12	0.124	1.39	1.84	0.16	0.32	3.73	0.25	2.17	6.16
Roller/Cultipacker	20'	MFWD 150	14,448	300	12	0.074	0.83	1.27	0.25	0.25	2.62	0.38	1.66	4.68
Roller/Cultipacker	30'	MFWD 170	16,587	300	12	0.049	0.55	0.96	0.19	0.19	1.91	0.29	1.32	3.53
Roller/Cultipacker	38'	MFWD 225	17,933	300	12	0.039	0.44	1.01	0.16	0.18	1.80	0.25	1.30	3.36
Roller/Stubble	20'	2WD 50	12,128	300	12	0.074	0.83	0.42	0.21	0.04	1.52	0.32	0.33	2.18
Roller/Stubble	32'	MFWD 225	20,525	300	12	0.046	0.52	1.19	0.22	0.22	2.17	0.34	1.54	4.06
Rotary Cutter	7'	MFWD 130	4,057	185	10	0.168	1.89	2.50	0.55	0.48	5.42	0.43	3.19	9.04
Rotary Cutter	12'	2WD 150	10,160	185	10	0.098	1.10	1.68	0.80	0.30	3.89	0.63	2.01	6.54
Rotary Cutter-Flex	15'	MFWD 150	16,712	185	10	0.078	0.88	1.34	1.06	0.26	3.55	0.82	1.75	6.14
Rotary Cutter-Flex	20'	MFWD 150	24,540	185	10	0.058	0.66	1.01	1.17	0.19	3.04	0.91	1.31	5.27
Row Cond & Inc-Fold.	26'	MFWD 190	22,361	100	10	0.063	1.00	1.37	0.35	0.25	2.98	1.65	1.75	6.40
Row Cond & Inc-Fold.	38'	MFWD 225	27,316	100	10	0.043	0.68	1.11	0.29	0.20	2.30	1.38	1.44	5.13
Row Cond & Inc-Rigid	13'	2WD 130	11,165	100	10	0.126	2.00	1.88	0.35	0.33	4.57	1.65	2.21	8.45

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2010 (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 & Inc-Rigid	21'	2WD 170	14,594	100	10	0.078	1.23	1.52	0.28	0.26	3.31	1.34	1.83	6.49
Row Cond & Inc-Rigid	26'	MFWD 190	16,649	100	10	0.026	0.41	0.57	0.11	0.10	1.21	0.51	0.73	2.47
Row Cond Folding	26'	MFWD 225	17,338	100	10	0.059	0.67	1.53	0.25	0.28	2.75	1.21	1.98	5.94
Row Cond Folding	38'	MFWD 225	20,847	100	10	0.040	0.45	1.05	0.21	0.19	1.91	0.99	1.35	4.27
Row Cond Rigid	13'	2WD 130	6,143	100	10	0.119	1.34	1.77	0.18	0.31	3.61	0.85	2.08	6.56
Row Cond Rigid	21'	2WD 170	9,572	100	10	0.073	0.83	1.43	0.17	0.25	2.69	0.82	1.72	5.24
Row Cond Rigid	26'	MFWD 190	11,626	100	10	0.059	0.67	1.29	0.17	0.23	2.38	0.81	1.65	4.84
Spin Spreader	5 ton	MFWD 190	11,941	100	8	0.042	0.85	0.91	0.28	0.16	2.21	0.62	1.16	4.01
Spray (ATV Ropewick)	75"	800 CC	512	200	8	0.260	4.10	0.45	0.06	0.55	5.17	0.08	2.39	7.65
Spray (ATV)	12'/17'	800 CC	597	200	8	0.112	1.77	0.19	0.03	0.24	2.24	0.04	1.03	3.32
Spray (ATV)	20'	800 CC	1,202	200	8	0.084	1.33	0.14	0.04	0.18	1.70	0.06	0.77	2.55
Spray (Band)	27' Fold	MFWD 170	5,022	200	8	0.062	0.98	1.21	0.14	0.24	2.59	0.19	1.67	4.46
Spray (Band)	40' Fold	MFWD 170	6,469	200	8	0.042	0.66	0.82	0.12	0.16	1.78	0.17	1.12	3.08
Spray (Band)	50' Fold	MFWD 170	9,381	200	8	0.033	0.53	0.65	0.14	0.13	1.47	0.19	0.90	2.57
Spray (Band)	53' Fold	MFWD 170	6,823	200	8	0.031	0.50	0.62	0.10	0.12	1.34	0.13	0.85	2.33
Spray (Band)	60' Fold	MFWD 170	10,944	200	8	0.028	0.44	0.54	0.14	0.10	1.24	0.19	0.75	2.19
Spray (Bcast/HB)	13' Rigid	MFWD 150	4,873	200	8	0.130	2.05	2.23	0.29	0.43	5.01	0.39	2.91	8.32
Spray (Bcast/HB)	20' Rigid	MFWD 150	5,734	200	8	0.084	1.33	1.45	0.22	0.28	3.29	0.30	1.89	5.49
Spray (Bcast/HB)	27' Fold	MFWD 170	9,742	200	8	0.062	0.98	1.21	0.28	0.24	2.73	0.38	1.67	4.78
Spray (Bcast/HB)	27' Rigid	MFWD 170	6,657	200	8	0.062	0.98	1.21	0.19	0.24	2.64	0.25	1.67	4.57
Spray (Bcast/HB)	30' Fold	MFWD 170	13,025	200	8	0.056	0.88	1.09	0.34	0.21	2.54	0.45	1.50	4.51
Spray (Bcast/HB)	40' Fold	MFWD 170	13,627	200	8	0.042	0.66	0.82	0.27	0.16	1.92	0.35	1.12	3.41
Spray (Bcast/HB/HD)	27'	MFWD 170	20,541	200	8	0.062	0.98	1.21	0.60	0.24	3.05	0.80	1.67	5.52
Spray (Bcast/HB/HD)	40'	MFWD 170	24,379	200	8	0.042	0.66	0.82	0.48	0.16	2.13	0.64	1.12	3.90
Spray (Broadcast)	27'	MFWD 170	5,022	200	8	0.062	0.98	1.21	0.14	0.24	2.59	0.19	1.67	4.46
Spray (Broadcast)	40'	MFWD 170	6,469	200	8	0.042	0.66	0.82	0.12	0.16	1.78	0.17	1.12	3.08
Spray (Broadcast)	50'	MFWD 170	9,381	200	8	0.033	0.53	0.65	0.14	0.13	1.47	0.19	0.90	2.57
Spray (Broadcast)	53'	MFWD 170	6,823	200	8	0.031	0.50	0.62	0.10	0.12	1.34	0.13	0.85	2.33
Spray (Broadcast)	60'	MFWD 170	10,944	200	8	0.028	0.44	0.54	0.14	0.10	1.24	0.19	0.75	2.19
Spray (Direct/Hood)	8R-30	MFWD 170	14,472	200	8	0.084	1.33	1.64	0.57	0.32	3.87	0.76	2.25	6.89
Spray (Direct/Hood)	8R-38	MFWD 170	15,668	200	8	0.066	1.05	1.29	0.49	0.25	3.10	0.65	1.78	5.54
Spray (Direct/Hood)	12R-30	MFWD 170	18,370	200	8	0.056	0.88	1.09	0.48	0.21	2.68	0.64	1.50	4.83
Spray (Direct/Hood)	12R-38	MFWD 170	18,837	200	8	0.044	0.70	0.86	0.39	0.17	2.13	0.52	1.18	3.84
Spray (Direct/Layby)	8R-30	MFWD 170	9,112	200	8	0.084	1.33	1.64	0.36	0.32	3.66	0.48	2.25	6.40
Spray (Direct/Layby)	8R-38	MFWD 170	10,176	200	8	0.066	1.05	1.29	0.31	0.25	2.93	0.42	1.78	5.14
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	17,524	200	8	0.044	0.70	0.86	0.36	0.17	2.10	0.48	1.18	3.77
Spray (Direct/Layby)	10R-30	MFWD 170	10,489	200	8	0.067	1.06	1.31	0.33	0.26	2.97	0.44	1.80	5.22
Spray (Direct/Layby)	12R-30	MFWD 170	11,817	200	8	0.056	0.88	1.09	0.31	0.21	2.51	0.41	1.50	4.43
Spray (Direct/Layby)	12R-38	MFWD 170	17,524	200	8	0.044	0.70	0.86	0.36	0.17	2.10	0.48	1.18	3.77
Spray (Direct/Layby)	16R-20	MFWD 170	9,843	200	8	0.063	0.99	1.23	0.29	0.24	2.76	0.38	1.69	4.84
Spray (Levee Leaper)	50'	MFWD 225	11,475	200	8	0.033	0.53	0.87	0.18	0.16	1.74	0.24	1.12	3.11
Spray (Pull Type)	60'	MFWD 225	28,533	200	8	0.028	0.44	0.72	0.37	0.13	1.68	0.50	0.93	3.12
Spray (Pull Type)	80'	MFWD 225	38,671	200	8	0.021	0.33	0.54	0.38	0.10	1.36	0.50	0.70	2.57
Spray (Pull Type)	90'	2WD 50	39,026	200	8	0.018	0.29	0.10	0.34	0.01	0.76	0.45	0.08	1.30
Spray (Pull Type)	100'	MFWD 225	38,610	200	8	0.016	0.26	0.43	0.30	0.08	1.08	0.40	0.56	2.05
Spray (Pull Type)	120'	MFWD 225	48,086	200	8	0.014	0.22	0.36	0.31	0.06	0.97	0.42	0.46	1.86
Spray (Ropewick)	20'	MFWD 190	2,300	200	8	0.084	1.33	1.83	0.09	0.33	3.60	0.12	2.34	6.06
Spray (Spot)	27'	MFWD 170	5,022	200	8	0.062	0.98	1.21	0.14	0.24	2.59	0.19	1.67	4.46
Spray (Spot)	40'	MFWD 170	6,469	200	8	0.042	0.66	0.82	0.12	0.16	1.78	0.17	1.12	3.08
Spray (Spot)	50'	MFWD 170	9,381	200	8	0.033	0.53	0.65	0.14	0.13	1.47	0.19	0.90	2.57
Spray (Spot)	53'	MFWD 170	6,823	200	8	0.031	0.50	0.62	0.10	0.12	1.34	0.13	0.85	2.33
Spray (Spot)	60'	MFWD 225	10,944	200	8	0.028	0.44	0.72	0.14	0.13	1.45	0.19	0.93	2.57
Stalk Shredder	14'	MFWD 150	11,804	200	10	0.117	1.32	2.02	1.21	0.39	4.95	0.81	2.63	8.40
Stalk Shredder	20'	MFWD 150	30,159	200	10	0.082	0.92	1.41	2.17	0.27	4.79	1.45	1.84	8.09
Stalk Shredder-Flail	12'	MFWD 150	15,792	200	10	0.137	1.54	2.35	1.89	0.46	6.26	1.26	3.07	10.60
Stalk Shredder-Flail	15'	MFWD 150	17,871	200	10	0.110	1.23	1.88	1.72	0.37	5.21	1.14	2.45	8.81
Stalk Shredder-Flail	18'	MFWD 150	22,332	200	10	0.091	1.02	1.57	1.79	0.30	4.70	1.19	2.04	7.94
Stalk Shredder-Flail	20'	MFWD 150	22,717	200	10	0.082	0.92	1.41	1.63	0.27	4.25	1.09	1.84	7.19
Stalk Shredder-Flail	25'	MFWD 150	29,803	200	10	0.066	0.74	1.13	1.72	0.22	3.81	1.14	1.47	6.44
Strip Till	12R-30	MFWD 225	28,551	150	10	0.061	0.97	1.58	0.76	0.29	3.61	1.37	2.04	7.03
Subsoiler	3 shank	MFWD 190	3,361	100	15	0.204	2.29	4.43	0.22	0.82	7.78	0.64	5.66	14.09
Subsoiler	4 shank	MFWD 225	6,655	100	15	0.153	1.72	3.94	0.34	0.73	6.75	0.96	5.10	12.81
Subsoiler	5 shank	MFWD 225	6,954	100	15	0.122	1.37	3.14	0.28	0.58	5.39	0.79	4.06	10.25
Subsoiler low-till	4 shank	MFWD 225	1,058	100	15	0.153	1.72	3.94	0.05	0.73	6.46	0.15	5.10	11.72
Subsoiler low-till	6 shank	MFWD 225	15,072	100	15	0.102	1.14	2.62	0.51	0.49	4.77	1.44	3.39	9.61
Subsoiler low-till	8 shank	MFWD 225	19,263	100	15	0.076	0.85	1.96	0.49	0.36	3.68	1.38	2.54	7.61
TerraTill Bed w/roll	4R-30	MFWD 225	15,804	150	12	0.204	2.29	5.25	1.16	0.98	9.69	2.26	6.78	18.74
TerraTill Bed w/roll	4R-38	MFWD 225	15,804	150	12	0.160	1.80	4.13	0.91	0.77	7.63	1.78	5.34	14.76
TerraTill Bed w/roll	6R-38	MFWD 225	21,456	150	12	0.107	1.20	2.76	0.83	0.51	5.32	1.61	3.57	10.51

Notes:

Labor: Includes labor from Power unit plus additional labor from the implement.

Total Direct: Does not include interest on operating capital.

HB = Hooded Boom, HD = Hooded Direct

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2010

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANTS			Convoy	oz	0.78
Crop Oil Conc.(Pet.)	pt	1.35	Cotton Seed Trt.	acre	20.00
Crop Oil Conc.(Veg.)	pt	3.27	Dithane F-45	qt	7.15
Drift/Defoamer	pt	5.95	Dithane Rainshield	lb	2.54
Spreader Sticker	pt	3.61	Folicur 3.6	oz	1.07
Surfactant	pt	3.68	Fungicide	lb	2.82
CLEANING			Gem 25 WG	oz	3.47
Cleaning Peanuts	ton	18.00	Headline	oz	2.75
CROP CONSULTANT			Headline SBR Copak	oz	1.78
Rice Consultant	acre	7.00	Manzate 75 DF	lb	7.43
CUSTOM FERTILIZE			Manzate Flowable	pt	4.60
App Fert by Air	cwt	7.00	Moncut 70 DF	lb	24.85
App Fert by Air(Min)	appl	7.00	Prevail	lb	25.53
Custom Apply Fert	acre	7.00	Provost	oz	2.09
CUSTOM LIME			Quadris	oz	2.56
Lime (Spread)	ton	35.00	Quadris Ridomil Gold	oz	4.70
CUSTOM PLANT			Quilt	pt	20.42
Custom Plant	acre	8.00	Ridomil Gold PC GR	lb	2.08
Custom Plant Air	cwt	7.00	Rovral 4F	pt	17.83
CUSTOM SPRAY			Stiletto	oz	0.56
App by Air (2 gal)	appl	4.00	Stratego	pt	25.00
App by Air (3 gal)	appl	5.00	Terrachlor 2EC	pt	1.87
App by Air (5 gal)	appl	6.00	Terraclor Super X EC	pt	3.95
App by Air (10 gal)	appl	8.00	Terraclor Super X G	lb	2.82
Custom Spray	acre	7.00	Tilt 3.6 EC	oz	2.69
DRYING			Tilt/ Bravo SE	oz	0.45
Dry Corn	bu	0.19	Uniform	oz	3.09
Dry Grain Sorghum	cwt	0.25	Vitavax 200	oz	0.47
Dry Peanuts	ton	24.00	Vitavax RTU-Thiram	oz	0.34
Dry Rice	bu	0.40	GINNING		
ERADICATION FEE			Gin & Haul	lb	0.09
Eradication Delta	acre	3.00	GROWTH REGULATORS		
Eradication NonDelta	acre	3.00	Early Harvest PGR	oz	1.55
Eradication Zone 1	acre	3.00	Mepex	oz	0.29
Eradication Zone 1A	acre	3.00	Mepex Gin Out	oz	0.27
Eradication Zone 1B	acre	3.00	Mepichlor 4.2% Liq	oz	0.25
Eradication Zone 2	acre	3.00	Mepiquat	oz	0.14
Eradication Zone 3	acre	3.00	Mepiquat Chloride	oz	0.22
Eradication Zone 4	acre	3.00	Mepiquat Extra	oz	0.22
FERTILIZERS			Pentia	pt	4.49
Amm Nitrate (34% N)	cwt	14.23	PGR IV	oz	1.55
Amm Sulfate (21% N)	cwt	11.44	PGR Plus	oz	5.48
Boron 10%	lb	0.36	Pix Plus	oz	0.28
Boron Plus	pt	3.99	Pix Ultra	oz	0.39
DAP	cwt	16.39	Stance	oz	1.10
Fert 10-34-0	cwt	19.38	SuperBoll	pt	3.03
Fert 11-37-0	cwt	19.27	HARVEST AIDS		
Fert 41-0-0-4	cwt	19.88	Accelerate	pt	2.59
Phosphorus(46% P2O5)	cwt	15.35	Aim 2EC	oz	6.84
Potash (60% K2O)	cwt	26.10	Ammonium Sulfate	lb	0.11
Sulfur 90%	lb	0.20	Boll Buster	pt	2.99
Sulfur Plus	pt	2.37	CottonQuik	pt	4.25
UAN (32% N)	cwt	10.56	Def 6	pt	7.02
UAN + Sulfur (28%)	cwt	10.13	Def/Folex	pt	7.15
Urea, Solid (46% N)	cwt	16.29	Defol 3	gal	3.00
Zinc Sulfate 31%	lb	0.52	Defol 5	gal	5.24
FUNGICIDES			Defol 6	gal	4.69
Abound	pt	41.58	Defol 750	pt	1.22
Absolute 500SC	pt	45.94	Dropp 50 WP	lb	45.45
Allegiance Flowable	pt	51.70	Dropp SC	oz	2.64
Apron Maxx RTA	oz	0.75	ET	pt	47.48
Apron Maxx RTA+Moly	pt	12.50	Ethephon 6E	pt	2.85
Apron XL	oz	8.13	Finish 6	pt	7.39
Apron XL LS	oz	6.90	First Pick	pt	3.27
Artisan	oz	0.76	Folex 6EC	pt	7.27
Bravo Ultrex	lb	8.82	Freefall SC	oz	1.90
Bravo Weather Stick	pt	7.74	Ginstar EC	pt	29.47
Captan 50 WP	lb	5.33	Gramoxone Inteon	oz	0.25

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2010 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Gramoxone Max	pt	5.46	Clearpath	lb	61.24
Harvade 5F	oz	0.67	Clincher SF	oz	1.96
Leafless	pt	18.56	Cobra 2EC	oz	1.21
MFX Cotton Har. Aid	pt	3.64	Command 3ME	pt	15.00
Prep	pt	5.28	Conclude XACT	pt	11.32
Shed-a-leaf	gal	3.60	Cornerstone	pt	3.88
Sodium Chlorate 3L	gal	3.00	Cornerstone Plus	pt	3.94
Sodium Chlorate 5L	gal	5.24	Cotoran 4L	pt	4.82
Sodium Chlorate 6L	gal	4.69	Cotoran DF	lb	7.92
TDZ SC	oz	2.07	Cotton Pro	pt	3.13
Thidiazuron 50 WSB	oz	2.08	Credit Extra	pt	3.59
Thidiazuron 4lb	oz	2.64	Direx 4L	pt	3.77
Thidiazuron 4SC	oz	2.79	Direx 80 DF	lb	7.37
Tribufos 6lb	pt	7.15	Diuron 4L	pt	3.06
HAULING			Diuron 80 DF	lb	4.55
Haul Corn	bu	0.20	Diuron 80%	lb	4.55
Haul Cotton	lb	0.02	DSMA 3.6lb Liq	pt	1.24
Haul Peanuts	ton	14.50	DSMA 4	pt	0.90
Haul Rice	bu	0.22	Dual II Magnum	pt	13.22
Haul Sorghum	bu	0.20	Dual Magnum	pt	12.46
Haul Soybeans	bu	0.20	Duet	pt	3.73
Haul Wheat	bu	0.20	Envoke	oz	81.94
HERBICIDES			Equip	oz	10.65
2,4-D Amine 4	pt	2.08	Evik DF 80W	lb	8.66
2,4-D LV 4Ester	pt	2.70	Exceed	oz	10.71
2,4-D Weedar 64	pt	2.32	Expert	pt	4.80
2,4-DB 200	pt	3.76	Facet 75DF	lb	50.75
AAtrex 4L	pt	2.57	Finesse	oz	17.44
AAtrex NINE-O	lb	4.35	First Rate	oz	33.95
Accent Gold	oz	6.12	First Shot	oz	6.82
Accent SP	oz	29.01	Flexstar HL	pt	14.67
Aim 2EC	oz	6.84	FloMet 4L	pt	4.74
Aim DF	oz	9.65	Flomet DF	lb	6.61
Arrosolo	qt	7.88	Fluometuron 4lb	pt	4.78
Arrow 2EC	pt	15.06	Frontier 6.0	oz	0.63
Assure II	oz	1.06	Fultime	pt	4.27
Atrazine 4L	pt	2.52	Fusilade DX	oz	1.43
Atrazine 90DF	lb	4.33	Fusion	pt	22.33
Axiom 68DF	lb	25.11	Glyfos	pt	2.84
Backdraft SL	pt	2.40	Glyfos Xtra	pt	3.70
Banvel	pt	6.41	Glyphosate 3lbs a.e.	pt	3.49
Basagran	pt	11.54	Glyphosate 3lbs a.e.	oz	0.22
Basis Gold	lb	9.00	Glystar	pt	3.16
Beacon 75% WSP	oz	30.63	Glystar Plus	pt	3.19
Beyond	oz	4.47	Goal 2XL	pt	11.18
Bicep II	pt	4.00	Gramoxone Inteon	oz	0.25
Bicep II Magnum	qt	10.16	Gramoxone Max	pt	5.46
Bicep Lite Magnum	pt	7.03	Grandstand R	qt	24.65
Blazer Ultra	pt	8.23	Guardman Max	pt	5.46
Bolero 8EC	pt	4.95	Halex GT	pt	7.29
Boundary 6.5 EC	pt	10.72	Harmony Extra SG	oz	10.99
Boundary 7.5	pt	8.69	Harmony Extra XP	oz	11.75
Buccaneer Plus	pt	3.19	Harmony GT	oz	20.42
Buctril 2EC	pt	15.80	Harness	pt	11.88
Buctril 4EC	pt	16.00	Harness XTRA	pt	7.31
Bullet	pt	3.71	Hoelon 3EC	pt	11.45
Butoxone 200(2,4-DB)	pt	4.04	Honcho	pt	2.78
Butyrac 175 (2,4-DB)	pt	2.71	Honcho Plus	pt	3.98
Butyrac 200 (2,4-DB)	pt	3.97	Hornet WDG	lb	65.62
Cadre	oz	5.07	Ignite 280	pt	7.89
Callisto 4SC	oz	4.48	Karmex DF	lb	4.20
Canopy 75%	oz	3.08	Karmex XP	lb	6.35
Canopy EX	oz	6.47	Lariat	qt	6.24
Canopy XL	oz	2.23	Layby Pro	qt	11.06
Caparol 4L	pt	4.86	Lexar	pt	5.81
Celebrity Plus	lb	84.96	Liberty	pt	8.31
Clarity	pt	12.13	Lightning	oz	13.28
Classic	oz	13.92	Linex 4L	pt	8.13

(continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Londax 60DF	oz	13.40	Valor XLT	oz	3.61
Lorox 50DF	lb	18.65	Weedar 64	pt	1.86
Me-Too-Lachlor	pt	6.43	Weedone 638	pt	3.22
MSMA 6.6	pt	2.78	Weedone LV4	pt	2.97
MSMA6 Plus	pt	2.92	Weedone LV6	pt	3.00
Newpath 2SL	oz	3.89	Whip 360	pt	25.08
Option	oz	9.92	Zorial Rapid 80DF	lb	15.42
Ordram 15-GM	lb	1.34	INOCULANT		
Ordram 8-E	pt	9.42	Nitragin S	oz	0.27
Osprey	oz	2.95	Optimize LIFT	oz	0.56
Outlook	pt	20.68	Vault	oz	1.65
Parrlay	pt	10.68	INSECT SCOUTING		
Peak Accu Pak	oz	12.74	Insect Scouting	acre	7.00
Pendimax 3.3	pt	2.47	INSECTICIDES		
Permit 75 DF	oz	18.88	Acephate 90%	lb	8.21
Poast 1.53	pt	10.78	Acephate 90SP	lb	8.38
Poast Plus	pt	8.49	Acramite-4SC	oz	1.37
Prefix	pt	5.72	Aeris	oz	6.64
Prometryne	pt	2.87	Ambush 2E	oz	0.27
Propimax EC	pt	37.72	Ammo 2.5 EC	oz	0.92
Prowl 3.3 EC	pt	4.19	Asana .66 XL	oz	0.71
Prowl H20	pt	4.48	Aztec 2.1% G	lb	2.63
Pursuit 2S	oz	4.13	Baythroid 2	oz	2.36
Pursuit DG	oz	11.59	Baythroid XL	oz	2.15
Pursuit Plus EC	pt	7.10	Bidrin 8WM	oz	0.87
Python WDG	oz	11.94	Bidrin XP	oz	1.52
Raptor	oz	4.37	Bifenture 2EC	pt	16.25
Reflex 2LC	pt	14.14	Brigade EC	pt	17.22
Regiment 80WP	oz	36.23	Brigade WSB	lb	20.73
Remedy	pt	15.12	Capture 2EC	oz	1.50
Resource .86EC	pt	23.46	Carbaryl 4L	pt	3.93
RicePro	pt	4.27	Carbine	oz	4.41
Riceshot	pt	2.94	Carbine 50WG	oz	4.41
Ricestar	pt	18.13	Centric 40WG	oz	4.79
Ricestar HT	pt	19.81	Comite 1l	pt	6.90
Rifel	pt	5.42	Confirm 2F	oz	1.62
Roundup Original Max	oz	0.45	Counter 15G	lb	2.26
Roundup Original Max	pt	7.25	Counter CR	lb	2.65
Roundup Power Max	oz	0.58	Couraze 1.6F	pt	26.39
Roundup PowerMax	pt	9.22	Couraze 2F	pt	33.33
Roundup WeatherMax	oz	0.56	Cruiser 5FS	oz	15.12
Roundup WeatherMax	pt	8.98	Curacron 8E	pt	10.73
Scepter 70 DG	oz	3.26	Cypermethrin	oz	0.63
Select 2EC	oz	1.53	Declare	pt	4.08
Select Max	pt	15.71	Delta Gold	pt	40.20
Sencor 4F	pt	14.74	Denim 0.16 EC	pt	26.36
Sencor DF	lb	14.85	Di-Syston 15G	lb	3.64
Sequence	pt	6.30	Di-Syston 8	pt	14.32
Simazine 4L	pt	2.90	Diamond .83EC	pt	15.72
Stalwart	pt	6.75	Dimethoate 4E	pt	5.48
Stam 80 EDF	lb	5.47	Dimilin 2L	oz	1.84
Stam M4	qt	5.98	Dipel DF	lb	11.68
Staple	oz	16.01	Dipel ES	pt	4.08
Staple LX	oz	6.96	Discipline 2 EC	oz	1.05
Steadfast	oz	23.27	Endigo ZC	pt	28.09
Storm	pt	11.07	Fanfare 2EC	oz	1.22
Strada WG	oz	5.94	Force 3G	lb	4.57
Strongarm	oz	43.54	Furadan 4F	pt	9.95
Superwham	qt	6.90	Gaucha 480	oz	8.56
Suprend	lb	11.17	Gaucha 600	oz	7.77
Surpass EC	qt	17.88	Hero	pt	20.97
Synchrony XP	oz	8.96	Holster	pt	8.76
Touchdown HiTech	qt	14.63	Imidan 70 WSB	oz	0.58
Touchdown Total	qt	17.49	Incidental Pest Trt	acre	12.00
Treflan HFP	pt	3.16	Intrepid 2F	oz	1.96
Treflan TR-10	lb	0.77	Intruder 70WSP	oz	8.00
Trifluralin 4EC	pt	2.97	Karate Z	oz	3.28
Ultra Blazer	pt	8.98	Kelthane MF 4EC	pt	5.60
Valor SX	oz	3.94			

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2010 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Knack	pt	86.07	Zeal	oz	19.71
Lannate LV	pt	8.74	Zephyr	oz	4.02
Lannate SP	oz	1.75	IRRIGATION SUPPLIES		
Larvin 3.2	oz	0.53	Roll-Out Pipe	ft	0.20
Leverage 2.7	oz	1.79	SEED/PLANTS		
Lorsban 15G	lb	1.89	Corn Seed BtRR	thous	2.95
Lorsban 4E	pt	6.42	Corn Seed RR	thous	2.72
Malathion 57EC	pt	4.23	Cotton Seed BG/RR	thous	0.55
Malathion 5E	pt	3.81	Cotton Seed BG11/RRF	thous	0.57
Malathion 8E	pt	5.50	Cotton Seed Liberty	thous	0.62
Methyl 4EC	pt	4.84	Cotton Seed RR	thous	0.53
Methyl Parathion 4	pt	4.30	Cotton Seed RRF	thous	0.55
Monitor 4	pt	15.67	Peanut Seed	lb	0.86
Mustang Max	oz	1.55	Rice Clearfield	lb	0.88
Oberon 4 SC	pt	66.58	Rice Clearfield Hyb	lb	4.28
Orthene 90S	lb	8.04	Rice Conv. Hybrid	lb	3.20
Pennacap-M	pt	3.64	Rice Seed (Levees)	lb	0.33
Phorate	lb	2.69	Rice Seed CF(Levees)	lb	0.88
Pounce 25WP	lb	10.63	Rice Seed CFH(Levee)	lb	4.88
Prolex	oz	2.87	Rice Seed Conv.	lb	0.33
Provado 1.6F	oz	1.98	Sorghum Concept	lb	1.75
Respect .8EC	pt	28.20	Sorghum Hybrid Sudax	lb	0.87
Sevin 4F	pt	4.83	Soybean Seed RR	lb	0.99
Sevin 80S	lb	6.81	Soybean Seed Stack	lb	0.88
Sevin XLR Plus	qt	9.85	Wheat Seed Private	lb	0.29
Sniper	oz	0.82	SURVEY & MARK LEVEES		
Steward	pt	25.91	Survey & Mark Levees	acre	4.00
Temik 15G Grit	lb	3.78	Survey & Mark Levees	acre	3.50
Temik 15G Gypsum	lb	3.38	TECHNOLOGY FEE		
Thimet 20-G Lock N L	lb	2.61	BG II/RRF Tech Fee	thous	1.45
Thionex 3 EC	pt	3.40	BG II/RRF Tech Fee	cap/ac	67.50
Thionex 50W	lb	8.20	BG/RR Cot Tech Fee	thous	1.13
Tombstone 2E	pt	42.01	BG/RR Cot Tech Fee	cap/ac	52.50
Tracer 4SC	oz	7.30	RR Cotton Tech Fee	thous	0.76
Trimax	oz	3.11	RR Cotton Tech Fee	cap/ac	35.50
Trimax Pro	oz	3.12	RRF Cotton Tech Fee	thous	1.00
Vydate C-LV	oz	0.61	RRF Cotton Tech Fee	cap/ac	46.50
Warrior Z	oz	1.85			

Appendix Table 5. Estimated fuel prices
and interest rates, Mississippi, 2010

ITEM NAME	UNIT	PRICE
dollars		
FUEL TYPES		
Diesel Fuel	gal	2.22
Gasoline	gal	2.47
LP Gas	gal	2.64
INTEREST RATES		
Short-term	%	4.50
Intermediate-term	%	6.50

Appendix Table 6. Labor types, wage rates and unallocated labor
multipliers for crop enterprises, Mississippi, 2010

Item name	
LABOR TYPES	
	WAGE RATE (\$/HR)
OPERATOR LABOR	11.23
IRRIGATE LABOR	9.06
HAND LABOR	9.06
HAND. & STOR. LABOR	9.06
RICE MGT. LABOR	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, 2010

	Unit	Futures Contract Month	Futures Contract Price ^a	Basis ^b	Forward Contract Price ^c	Loan Rate ^d	Budget Price ^e
Corn	bu	Dec '10	4.13	-0.2841	3.85	2.08	3.85
Cotton Lint	lb	Dec '10	0.719	-0.0264	0.693	.524	0.693
Cottonseed	lb						0.062 ^f
Grain Sorghum	bu				3.62	1.97	3.62
Peanuts	ton				400.00	354.00	400.00
Soybeans	bu	Nov '10	9.55	-0.3320	9.22	5.18	9.22
Rice	bu	Sep '10	6.33	-0.6710	5.66	2.96	5.66
Wheat	bu	Jul '10	5.39	-0.6899	4.70	2.01	4.70

^a Average of the futures contract month closings in October.

^b The basis is computed by subtracting the 2001-2009 average near futures contract month closings in October from the daily spot cash prices reported in October. Sources: Arkansas Farm Bureau Commodity Report and Daily Grain Report, Mississippi Department of Ag-USDA Market News.

^c The forward contract price for cotton, soybeans, corn, wheat, and rice is the futures contract price plus the basis. The forward contract price for grain sorghum is 94% of the forward contract price for corn. The forward contract price for peanuts is estimated from a poll of industry peanut buyers.

^d Average Mississippi loan rate for the 2009 crop year for soybeans, corn, grain sorghum, and wheat. 2009 Mississippi base loan rate for the Delta area for cotton. 2009 Mississippi loan rate for long grain rice. 2009 national average loan rate for peanuts.

^e Price used in the 2010 MAFES Planning Budgets.

^f Cottonseed price is the marketing year average price averaged over the years 2004-2008, Agricultural Prices Summary, USDA.

Appendix Table 8. Estimated costs for field operations, per acre
 Additional practices for irrigated cotton
 160-acre roll-out pipe system, 10.5 ac-in., Delta Area, Mississippi, 2010

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'		0.82	0.23	0.43			0.01	1.49	1.28	2.77
Disk Bed (Hipper)Rdg	8R-38		0.40	0.14	0.21			0.02	0.77	0.72	1.49
UAN (32% N)	cwt	3.17						0.08	3.25		3.25
Set Up Engine											
IRRIGATE LABOR	hour				0.23			0.01	0.24		0.24
Ditcher (1m/160a)			0.14	0.04	0.11			0.01	0.30	0.19	0.49
UAN (32% N)	cwt	3.17						0.06	3.23		3.23
Roll-Out Pipe	ft	6.60						0.12	6.72		6.72
Lay Roll-out Pipe											
Pipe Spool 160ac	1/4m roll		0.19	0.06	0.37			0.01	0.63	0.56	1.19
IRRIGATE LABOR	hour				1.81			0.03	1.84		1.84
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.28			0.01	0.78	0.99	1.77
Caparol 4L	pt	4.86						0.09	4.95		4.95
MSMA 6.6	pt	7.65						0.14	7.79		7.79
App by Air (3 gal)	appl	5.00						0.09	5.09		5.09
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
App by Air (3 gal)	appl	2.50						0.04	2.54		2.54
Incidental Pest Trt	acre	6.00						0.09	6.09		6.09
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Pick Up Pipe											
Pipe Spool 160ac	1/4m roll		0.28	0.09	0.55			0.01	0.93	0.84	1.77
Land Forming (\$300)	each									24.59	24.59
Well & Pump, Furrow	each			2.03				0.04	2.07	6.92	8.99
Main Line Pipe	each									4.87	4.87
Engine, RPF, 75	each									5.67	5.67
June Irrigation	ac-in		6.33	0.78				0.13	7.24		7.24
July Irrigation	ac-in		6.33	0.78				0.11	7.22		7.22
August Irrigation	ac-in		6.33	0.78				0.08	7.19		7.19
TOTALS		40.71	21.17	5.07	4.68	0.00	1.21		72.84	46.63	119.47

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 9. Estimated costs for field operations, per acre
 Additional practices for irrigated cotton
 135-acre 1/4-mile pivot system, 7.5 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
UAN (32% N)	cwt	3.17						0.08	3.25	3.25
Set Up Engine										
IRRIGATE LABOR	hour				0.27			0.01	0.28	0.28
Maintenance										
IRRIGATE LABOR	hour				1.07			0.02	1.09	1.09
UAN (32% N)	cwt	3.17						0.06	3.23	3.23
Apply Water										
IRRIGATE LABOR	hour				0.15				0.15	0.15
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.28			0.01	0.78	1.77
Caparol 4L	pt	4.86						0.09	4.95	4.95
MSMA 6.6	pt	7.65						0.14	7.79	7.79
App by Air (3 gal)	appl	5.00						0.09	5.09	5.09
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Apply Water										
IRRIGATE LABOR	hour				0.20				0.20	0.20
App by Air (3 gal)	appl	2.50						0.04	2.54	2.54
Incidental Pest Trt	acre	6.00						0.09	6.09	6.09
Apply Water										
IRRIGATE LABOR	hour				0.15				0.15	0.15
Pivot, 1/4 CP	each			8.15				0.15	8.30	36.97
Well & Pump, 1/4 CP	each			2.40				0.05	2.45	8.20
Engine, 1/4 CP, 65	each									6.05
June Irr. 3app@.75"	ac-in		7.46	0.75				0.15	8.36	8.36
July Irr. 4app@.75"	ac-in		9.95	1.00				0.16	11.11	11.11
Aug Irr. 3app@.75"	ac-in		7.46	0.75				0.09	8.30	8.30
TOTALS		34.11	25.22	13.19	2.12	0.00		1.26	75.90	52.21

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 10. Estimated costs for field operations, per acre
 Early soybeans irrigated with roll-out pipe
 160-acre system, 9 ac-in., Delta Area, Mississippi, 2010

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'		0.82	0.23	0.43			0.07	1.55	1.28	2.83
Set Up Engine											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Ditcher (1m/160a)			0.14	0.04	0.11				0.29	0.19	0.48
Roll-Out Pipe	ft	6.60						0.10	6.70		6.70
Lay Roll-out Pipe											
Pipe Spool 160ac	1/4m roll		0.19	0.06	0.37			0.01	0.63	0.56	1.19
IRRIGATE LABOR	hour				1.81			0.03	1.84		1.84
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		0.28	0.09	0.55				0.92	0.84	1.76
Land Forming (\$300)	each									24.59	24.59
Well & Pump, Furrow	each			2.03				0.03	2.06	6.92	8.98
Main Line Pipe	each									4.87	4.87
Engine, RPF, ESB	each									5.67	5.67
1st June Irrigation	ac-in		5.43	0.78				0.09	6.30		6.30
2nd June Irrigation	ac-in		5.43	0.78				0.09	6.30		6.30
July Irrigation	ac-in		5.43	0.78				0.07	6.28		6.28
TOTALS		6.60	17.72	4.79	4.19	0.00		0.49	33.79	44.92	78.71

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 11. Estimated costs for field operations, per acre
 Irrigation with a contour flood system
 80-acre system, 13.5 ac-in., Delta Area, Mississippi, 2010

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				0.45			0.01	0.46	0.46
Build Outside Levee										
Levee Pull (1m/80a)	8 blade		0.31	0.08	0.18			0.01	0.58	1.15
Survey & Mark Levees	acre	2.00						0.04	2.04	2.04
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.42	0.11	0.24			0.01	0.78	1.54
Butt Levees										
Blade-Box	6'-7'		0.30	0.07	0.22			0.01	0.60	0.96
IRRIGATE LABOR	hour				0.68			0.01	0.69	0.69
Apply Water										
IRRIGATE LABOR	hour				0.11				0.11	0.11
Tear Down Levees										
Levee Splitter (1/80)	8 blade		0.29	0.08	0.19			0.01	0.57	1.06
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.42	0.11	0.24			0.01	0.78	1.54
Butt Levees										
Blade-Box	6'-7'		0.30	0.07	0.22			0.01	0.60	0.96
IRRIGATE LABOR	hour				0.68			0.01	0.69	0.69
Apply Water										
IRRIGATE LABOR	hour				0.11				0.11	0.11
Tear Down Levees										
Levee Splitter (1/80)	8 blade		0.29	0.08	0.19			0.01	0.57	1.06
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.42	0.11	0.24			0.01	0.78	1.54
Butt Levees										
Blade-Box	6'-7'		0.30	0.07	0.22			0.01	0.60	0.96
IRRIGATE LABOR	hour				0.68			0.01	0.69	0.69
Apply Water										
IRRIGATE LABOR	hour				0.11				0.11	0.11
Tear Down Levees										
Levee Splitter (1/80)	8 blade		0.29	0.08	0.19			0.01	0.57	1.06
Tear Down Levees										
Levee Splitter (1/80)	8 blade		0.21	0.06	0.14				0.41	0.78
Land Forming (\$75)	each								6.15	6.15
Well & Pump, Flood	each			4.05				0.08	4.13	17.96
Engine, CF, 75	each								11.34	11.34
June Irrigation	ac-in		8.14	1.56				0.18	9.88	9.88
July Irrigation	ac-in		8.14	1.56				0.15	9.85	9.85
August Irrigation	ac-in		8.14	1.56				0.11	9.81	9.81
TOTALS		2.00	27.97	9.65	5.09	0.00	0.70	45.41	37.09	82.50

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 12. Estimated costs for field operations, per acre
 Irrigation with a 1/2-mile center pivot system
 530-acre system, 7.5 ac-in., Delta Area, Mississippi, 2010

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			4.91			0.09	5.00	22.30	27.30
Well & Pump, 1/2 CP	each			0.82			0.02	0.84	2.78	3.62
Engine, 1/2 CP, 225	each								3.25	3.25
June Irr. 3app@.75"	ac-in		9.32	0.40			0.18	9.90		9.90
July Irr. 4app@.75"	ac-in		12.43	0.54			0.19	13.16		13.16
Aug Irr. 3app@.75"	ac-in		9.32	0.40			0.11	9.83		9.83
TOTALS		0.00	31.07	7.07	0.47	0.00	0.60	39.21	28.33	67.54

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 13. 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, 2010

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			0.02	1.09	1.09
Apply Water										
IRRIGATE LABOR	hour				0.15				0.15	0.15
Apply Water										
IRRIGATE LABOR	hour				0.20				0.20	0.20
Apply Water										
IRRIGATE LABOR	hour				0.15				0.15	0.15
Pivot, 1/4 CP	each			8.15				0.15	8.30	36.97
Well & Pump, 1/4 CP	each			2.40				0.05	2.45	8.20
Engine, 1/4 CP, 65	each									6.05
June Irr. 3app@.75"	ac-in		7.46	0.75				0.15	8.36	8.36
July Irr. 4app@.75"	ac-in		9.95	1.00				0.16	11.11	11.11
Aug Irr. 3app@.75"	ac-in		7.46	0.75				0.09	8.30	8.30
TOTALS		0.00	24.87	13.05	1.84	0.00	0.63		40.39	51.22
										91.61

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 14. Estimated costs for field operations, per acre
 Corn irrigated with roll-out pipe
 160-acre system, 13 ac-in., Delta Area, Mississippi, 2010

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'		0.82	0.23	0.43			0.07	1.55	1.28	2.83
Set Up Engine											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Ditcher (1m/160a)			0.14	0.04	0.11				0.29	0.19	0.48
Roll-Out Pipe	ft	6.60						0.10	6.70		6.70
Lay Roll-out Pipe											
Pipe Spool 160ac	1/4m roll		0.19	0.06	0.37			0.01	0.63	0.56	1.19
IRRIGATE LABOR	hour				1.81			0.03	1.84		1.84
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
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Pick Up Pipe											
Pipe Spool 160ac	1/4m roll		0.28	0.09	0.55			0.01	0.93	0.84	1.77
Land Forming (\$75)	each									6.15	6.15
Well & Pump, Furrow	each			2.03				0.03	2.06	6.92	8.98
Main Line Pipe	each									4.87	4.87
Engine, RPF, Corn	each									5.67	5.67
1st June Irrigation	ac-in		5.88	0.59				0.10	6.57		6.57
2nd June Irrigation	ac-in		5.88	0.59				0.10	6.57		6.57
3rd June Irrigation	ac-in		5.88	0.59				0.10	6.57		6.57
1st July Irrigation	ac-in		5.88	0.59				0.07	6.54		6.54
TOTALS		6.60	24.95	4.81	4.42	0.00		0.62	41.40	26.48	67.88

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 15. Estimated costs for field operations, per acre
 Contour levee rice flood irrigation system
 80-acre system, 33 ac-in., Delta Area, Mississippi, 2010

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				0.45		0.01	0.46	0.46	
Build Outside Levee										
Levee Pull (1m/80a)	8 blade		0.31	0.08	0.18		0.01	0.58	1.15	
Survey & Mark Levees	acre	4.00					0.09	4.09	4.09	
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.83	0.23	0.48		0.03	1.57	3.09	
Butt Levees										
Blade-Box	6'-7'		0.30	0.07	0.22		0.01	0.60	0.96	
IRRIGATE LABOR	hour				0.68		0.02	0.70	0.70	
Install Gates										
IRRIGATE LABOR	hour				2.72		0.06	2.78	2.78	
Apply Water										
IRRIGATE LABOR	hour				6.80		0.15	6.95	6.95	
Apply Water										
IRRIGATE LABOR	hour				6.80		0.13	6.93	6.93	
Apply Water										
IRRIGATE LABOR	hour				6.80		0.10	6.90	6.90	
Apply Water										
IRRIGATE LABOR	hour				6.80		0.08	6.88	6.88	
Remove Gates										
IRRIGATE LABOR	hour				0.91		0.01	0.92	0.92	
Tear Down Levees										
Levee Splitter (1/80)	8 blade		0.57	0.15	0.37		0.01	1.10	2.07	
Tear Down Levees										
Levee Splitter (1/80)	8 blade		0.21	0.06	0.14			0.41	0.78	
Land Forming (\$75)	each							6.15	6.15	
Levee Gates	each							0.45	0.45	
Well & Pump, Flood	each			4.05			0.08	4.13	17.96	
Engine, Rice CL, 75	each							11.34	11.34	
May Irrigation	ac-in		10.85	0.85			0.26	11.96	11.96	
June Irrigation	ac-in		16.28	1.28			0.33	17.89	17.89	
July Irrigation	ac-in		16.28	1.28			0.26	17.82	17.82	
August Irrigation	ac-in		16.28	1.28			0.20	17.76	17.76	
TOTALS		4.00	61.91	9.33	33.35	0.00	1.84	110.43	35.56	145.99

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 16. Estimated costs for field operations, per acre
 Straight levee rice flood irrigation system
 80-acre system, 27 ac-in., Delta Area, Mississippi, 2010

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				0.45			0.01	0.46	0.46
Survey & Mark Levees	acre	2.00						0.05	2.05	2.05
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.62	0.17	0.36			0.03	1.18	1.14
Butt Levees										
Blade-Box	6'-7'		0.30	0.07	0.22			0.01	0.60	0.36
IRRIGATE LABOR	hour				0.68			0.02	0.70	0.70
Install Gates										
IRRIGATE LABOR	hour				1.36			0.03	1.39	1.39
Apply Water										
IRRIGATE LABOR	hour				4.53			0.10	4.63	4.63
Apply Water										
IRRIGATE LABOR	hour				4.53			0.08	4.61	4.61
Apply Water										
IRRIGATE LABOR	hour				4.53			0.07	4.60	4.60
Apply Water										
IRRIGATE LABOR	hour				4.53			0.05	4.58	4.58
Remove Gates										
IRRIGATE LABOR	hour				0.91			0.01	0.92	0.92
Tear Down Levees										
Levee Splitter (1/80)	8 blade		0.43	0.12	0.28			0.01	0.84	0.73
Land Forming (\$300)	each									24.59
Levee Gates	each									0.45
Well & Pump, Flood	each			4.05				0.08	4.13	13.83
Engine, Rice SL, 75	each									11.34
May Irrigation	ac-in		10.85	1.04				0.27	12.16	12.16
June Irrigation	ac-in		12.66	1.22				0.26	14.14	14.14
July Irrigation	ac-in		12.66	1.22				0.21	14.09	14.09
August Irrigation	ac-in		12.66	1.22				0.16	14.04	14.04
TOTALS		2.00	50.18	9.11	22.38	0.00		1.45	85.12	52.44

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 17. Estimated costs for field operations, per acre
 Straight levee rice multi inlet flood irrigation system
 80-acre system, 23 ac-in., Delta Area, Mississippi, 2010

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				0.45			0.01	0.46	0.46
Survey & Mark Levees	acre	2.00						0.05	2.05	2.05
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.62	0.17	0.36			0.03	1.18	1.14
Butt Levees										
Blade-Box	6'-7'		0.30	0.07	0.22			0.01	0.60	0.36
IRRIGATE LABOR	hour				0.68			0.02	0.70	0.70
Ditcher (1m/160a)			0.14	0.04	0.11			0.01	0.30	0.19
Roll-Out Pipe	ft	6.60						0.15	6.75	6.75
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.19	0.06	0.37			0.01	0.63	0.56
Install Gates										
IRRIGATE LABOR	hour				1.36			0.03	1.39	1.39
Apply Water										
IRRIGATE LABOR	hour				1.81			0.04	1.85	1.85
Apply Water										
IRRIGATE LABOR	hour				1.81			0.03	1.84	1.84
Apply Water										
IRRIGATE LABOR	hour				1.81			0.03	1.84	1.84
Apply Water										
IRRIGATE LABOR	hour				1.81			0.02	1.83	1.83
Remove Gates										
IRRIGATE LABOR	hour				0.45				0.45	0.45
Tear Down Levees										
Levee Splitter (1/80)	8 blade		0.43	0.12	0.28			0.01	0.84	0.73
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.09	0.03	0.18				0.30	0.28
Land Forming (\$300)	each									24.59
Levee Gates	each									0.23
Well & Pump, Flood	each			4.05				0.08	4.13	13.83
Engine, Mult In Rice	each									11.34
May Irrigation	ac-in		9.04	0.98				0.23	10.25	10.25
June Irrigation	ac-in		10.85	1.17				0.23	12.25	12.25
July Irrigation	ac-in		10.85	1.17				0.18	12.20	12.20
August Irrigation	ac-in		10.85	1.17				0.14	12.16	12.16
TOTALS		8.60	43.36	9.03	11.70	0.00	1.31		74.00	53.25

Note: Cost of production estimates are based on 2009 input prices.

Appendix Table 18. Estimated costs for field operations, per acre
 Straight levee rice - zero grade flood irrigation system
 80-acre system, 19 ac-in., Delta Area, Mississippi, 2010

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				0.45		0.01	0.46	0.46	
Apply Water										
IRRIGATE LABOR	hour				2.27		0.05	2.32	2.32	
Apply Water										
IRRIGATE LABOR	hour				2.27		0.04	2.31	2.31	
Apply Water										
IRRIGATE LABOR	hour				2.27		0.03	2.30	2.30	
Apply Water										
IRRIGATE LABOR	hour				2.27		0.03	2.30	2.30	
Land Forming (\$300)	each							24.59	24.59	
Well & Pump, Flood	each			4.05			0.08	4.13	13.83	
Engine, Rice SL, 75	each							11.34	11.34	
May Irrigation	ac-in		7.23	0.69			0.18	8.10	8.10	
June Irrigation	ac-in		9.04	0.87			0.19	10.10	10.10	
July Irrigation	ac-in		9.04	0.87			0.15	10.06	10.06	
August Irrigation	ac-in		9.04	0.87			0.11	10.02	10.02	
TOTALS		0.00	34.35	7.35	9.53	0.00	0.87	52.10	49.76	101.86

Note: Cost of production estimates are based on 2009 input prices..

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