

**NON-DELTA
2012
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2011-06**

December 2011

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 2012 planning decisions. This would be a one-year short-run decision. Decisions beyond one year, or long-run decisions, should be based on "**Returns Above Specified Expenses.**"

Acknowledgments

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

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2012 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 2011. (Appendix Tables 1, 2, and 3).

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

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

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

Estimates of Direct Costs

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

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

$$RPA = RPH \times PR$$

where:

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

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

The labor wage rate per hour includes social security, accident and unemployment insurance, and some perquisites (11). Labor costs are estimated for four labor categories: operator labor, hand labor, irrigation labor, and unallocated labor. Operator labor and hand labor represent estimates of labor required to

perform the in-field tasks. Operator labor is that labor required to operate all power-driven equipment. Irrigation labor is used to perform tasks associated with an irrigation system. Unallocated labor is an estimate of labor that is not used directly in producing the enterprise. Its cost is estimated as a percentage of operator labor (11). The percentages used for the various crop enterprises are listed in Appendix Table 6.

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

Estimates of Fixed Costs

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

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

where:

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

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

where:

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

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

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

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

where:

CRCPH = Capital recovery charge per hour

HAU = Hours of annual use

CRCPA = Capital recovery charge per acre

PR = Performance rate

Estimates of Returns

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

To estimate returns, a price for the commodity must be used. Individual producers must determine their own expected price for the commodity. Commodity prices used in this report represent the higher of a calculated forward contract price or the loan rate that was applicable for the 2011 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

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
 B2RF variety, Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	750.0000	67.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	28.65	0.1000	2.87	_____
Potash (60% K2O)	cwt	29.19	1.4000	40.87	_____
UAN (32% N)	cwt	18.54	3.6000	66.74	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	96.0000	10.56	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Diuron 4L	pt	3.28	1.6000	5.25	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	45.0000	27.90	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	1.1134	12.92	_____
Self-Propelled	hour	11.60	0.4120	4.74	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.3349	3.04	_____
UNALLOCATED LABOR					
	hour	11.55	1.2203	14.10	_____
DIESEL FUEL					
Tractors	gal	3.40	10.8888	37.02	_____
Self-Propelled	gal	3.40	6.0322	20.51	_____
REPAIR & MAINTENANCE					
Implements	acre	9.85	1.0000	9.85	_____
Tractors	acre	4.99	1.0000	4.99	_____
Self-Propelled	acre	15.45	1.0000	15.45	_____
INTEREST ON OP. CAP.	acre	9.67	1.0000	9.67	_____
TOTAL DIRECT EXPENSES				563.48	_____
FIXED EXPENSES					
Implements	acre	16.45	1.0000	16.45	_____
Tractors	acre	31.84	1.0000	31.84	_____
Self-Propelled	acre	65.11	1.0000	65.11	_____
TOTAL FIXED EXPENSES				113.40	_____
TOTAL SPECIFIED EXPENSES				676.88	_____

Note: Cost of production estimates are based on 2011 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
 B2RF variety, Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	750.0000	684.75	_____
Cotton Seed	lb	0.07	1125.0000	85.50	_____

TOTAL INCOME				770.25	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	67.50	1.0000	67.50	_____
FERTILIZERS	acre	110.48	1.0000	110.48	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	50.60	1.0000	50.60	_____
INSECTICIDES	acre	32.43	1.0000	32.43	_____
SEED/PLANTS	acre	27.90	1.0000	27.90	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.7840	7.11	_____
OPERATOR LABOR	hour	11.60	1.5254	17.66	_____
UNALLOCATED LABOR	hour	11.55	1.2203	14.10	_____
DIESEL FUEL	gal	3.40	16.9211	57.53	_____
REPAIR & MAINTENANCE	acre	30.29	1.0000	30.29	_____
INTEREST ON OP. CAP.	acre	9.67	1.0000	9.67	_____

TOTAL DIRECT EXPENSES				563.48	_____
RETURNS ABOVE DIRECT EXPENSES				206.77	_____

TOTAL FIXED EXPENSES				113.40	_____

TOTAL SPECIFIED EXPENSES				676.88	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				93.37	_____

Note: Cost of production estimates are based on 2011 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
B2RF variety, Non-Delta Area, Mississippi, 2012

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				
Phosphorus(46% P2O5)	cwt					0.1000				
Bed-Paratill	Fold	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.06
Sprayer	600-750gal	60' 175hp		0.017	1.00	Mar			0.01	0.01
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Bed-Disk (Hipper)Rd	8R-38	MFWD 190		0.074	0.50	Mar		0.03	0.03	0.02
Custom Apply Fert	acre				1.00	Mar				
Potash (60% K2O)	cwt					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190		0.077	1.00	Apr		0.07	0.07	0.11
UAN (32% N)	cwt					1.8000				
Row Cond Rigid	26'	MFWD 190		0.059	1.00	May		0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190		0.080	1.00	May		0.08	0.08	0.16
Cotton Seed B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer	600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre				1.00	May				
Eradication	acre					1.0000				
Sprayer	600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02
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
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Fert Appl (Liquid)	8R-38	MFWD 190		0.077	1.00	Jun		0.07	0.07	0.11
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190		0.066	1.00	Jul		0.06	0.06	0.10
Diuron 4L	pt					1.6000				
Glyphosate 3lbs a.e.	oz					32.0000				
Sprayer	600-750gal	60' 175hp		0.017	1.00	Jul			0.01	0.02
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer	600-750gal	60' 175hp		0.017	0.25	Jul			0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest					1.00	Jul				
Sprayer	600-750gal	60' 175hp		0.017					0.01	0.02
Incidental Pest Trt	acre					1.0000				
Sprayer	600-750gal	60' 175hp		0.017	1.00	Aug			0.01	0.02
Acephate 90%	lb					0.7500				
Sprayer	600-750gal	60' 175hp		0.017	1.00	Sep			0.01	0.02
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer	600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R-38(350)			0.257	1.00	Oct			0.25	0.51
Boll Buggy	4R-38(325)	MFWD 190		0.257	1.00	Oct		0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190		0.257	1.00	Oct		0.25	0.25	0.51
Gin & Haul	lb				1.00	Oct	750.0000			
Stalk Shredder	14'	MFWD 190		0.117	1.00	Oct		0.11	0.11	0.11
TOTALS								1.52	1.11	2.30
										1.22

Note: Cost of production estimates are based on 2011 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
B2RF variety, Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Phosphorus(46% P2O5)	cwt	2.87						0.12	2.99		2.99
Bed-Paratill Fold	8R-38		2.69	1.93	1.69			0.27	6.58	5.10	11.68
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.03	1.16	0.97	2.13
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)Rd	8R-38		1.23	0.31	0.77			0.07	2.38	1.44	3.82
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	40.87						1.16	42.03		42.03
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.14	5.94	3.25	9.19
UAN (32% N)	cwt	33.37						0.83	34.20		34.20
Row Cond Rigid	26'		1.99	0.44	1.24			0.08	3.75	2.45	6.20
Plant & Pre-Rigid	8R-38		2.67	1.36	2.40			0.14	6.57	4.25	10.82
Cotton Seed B2RF	thous	27.90						0.59	28.49		28.49
B2RF Cot Tech Fee	thous	67.05						1.42	68.47		68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Dual Magnum	pt	12.25						0.26	12.51		12.51
Glyphosate 3lbs a.e.	oz	3.52						0.07	3.59		3.59
Acephate 90%	lb	1.46						0.03	1.49		1.49
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.10	5.90	3.25	9.15
UAN (32% N)	cwt	33.37						0.59	33.96		33.96
Spray (Direct/Layby)	8R-38		2.22	0.65	1.70			0.06	4.63	2.34	6.97
Diuron 4L	pt	5.25						0.07	5.32		5.32
Glyphosate 3lbs a.e.	oz	3.52						0.05	3.57		3.57
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Acephate 90%	lb	3.65						0.05	3.70		3.70
Sprayer 600-750gal	60' 175hp		0.13	0.04	0.11				0.28	0.24	0.52
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.82						0.03	1.85		1.85
Incidental Pest											
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Incidental Pest Trt	acre	12.00						0.17	12.17		12.17
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.01	1.14	0.97	2.11
Acephate 90%	lb	4.97						0.05	5.02		5.02
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.01	1.14	0.97	2.11
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-750gal	60' 175hp		0.27	0.07	0.22				0.56	0.49	1.05
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	4R-38(350)		15.79	14.14	7.72			0.13	37.78	56.62	94.40
Boll Buggy	4R-38(325)		8.57	2.72	5.38			0.06	16.73	10.61	27.34
Module Builder	4R-38(325)		8.57	3.12	7.72			0.07	19.48	11.44	30.92
Gin & Haul	lb	67.50						0.24	67.74		67.74
Stalk Shredder	14'		3.92	1.81	2.46			0.03	8.22	4.16	12.38
TOTALS			427.12	57.53	30.29	38.87	0.00	9.67	563.48	113.40	676.88

Note: Cost of production estimates are based on 2011 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
 B2RF variety, Non-Delta Area, Mississippi, 2012

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	770.25
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	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	67.50
FERTILIZERS	2.87	0.00	0.00	0.00	40.87	33.37	0.00	33.37	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	8.68	0.00	33.15	0.00	8.77	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	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	1.08	1.08	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	1.50	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	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.69	0.00	0.00	0.00	1.21	1.97	4.52	2.41	2.69	0.44	0.66	23.28
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	2.69	0.00	0.00	0.00	1.77	2.58	5.74	3.12	3.43	0.54	0.81	36.85
REPAIR & MAINTENANCE	1.93	0.00	0.00	0.00	0.46	1.25	2.10	1.40	0.99	0.15	0.22	21.79
INTEREST ON OP. CAP.	1.33	0.00	0.00	0.00	1.71	0.97	3.61	0.86	0.51	0.06	0.09	0.53
TOTAL DIRECT EXPENSES	32.51	0.00	0.00	0.00	61.70	40.14	174.03	49.40	36.31	6.16	13.28	149.95
NET INCOME	-32.51	0.00	0.00	0.00	-61.70	-40.14	-174.03	-49.40	-36.31	-6.16	-13.28	620.30
NET INCOME TO DATE	-32.51	-32.51	-32.51	-32.51	-94.21	-134.35	-308.38	-357.78	-394.09	-400.25	-413.53	206.77

Note: Cost of production estimates are based on 2011 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
 B2RF variety, Non-Delta Area, Mississippi, 2012

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14
PERCENT	YIELD	UNIT	dollars										
50	375.00	lb	-187 -300	-170 -283	-153 -266	-135 -249	-118 -232	-101 -215	-84 -198	-67 -180	-50 -163	-33 -146	-16 -129
60	450.00	lb	-142 -256	-122 -235	-101 -215	-81 -194	-60 -173	-40 -153	-19 -132	1 -112	21 -91	42 -71	62 -50
70	525.00	lb	-98 -211	-74 -187	-50 -163	-26 -139	-2 -115	21 -91	45 -67	69 -43	93 -19	117 4	141 28
80	600.00	lb	-53 -166	-26 -139	1 -112	28 -84	55 -57	83 -30	110 -2	138 24	165 52	192 79	220 106
90	675.00	lb	-9 -122	21 -91	52 -60	83 -29	114 0	145 31	175 62	206 93	237 124	268 154	299 185
100	750.00	lb	35 -77	69 -43	104 -9	138 24	172 59	206 93	241 127	275 161	309 196	343 230	377 264
110	825.00	lb	80 -33	117 4	155 42	193 79	230 117	268 155	306 192	343 230	381 268	419 305	456 343
120	900.00	lb	124 11	165 52	206 93	248 134	289 175	330 216	371 257	412 298	453 340	494 381	535 422
130	975.00	lb	169 55	213 100	258 144	302 189	347 233	391 278	436 322	480 367	525 411	569 456	614 501
140	1050.00	lb	213 100	261 148	309 196	357 244	405 292	453 340	501 388	549 436	597 483	645 531	693 579
150	1125.00	lb	258 145	309 196	361 247	412 299	463 350	515 401	566 453	617 504	669 555	720 607	772 658

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2011 input prices.

Table 2.A Estimated costs per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	750.0000	67.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	28.65	0.1000	2.87	_____
Amm Nitrate (34% N)	cwt	20.58	1.8000	37.04	_____
Potash (60% K2O)	cwt	29.19	1.4000	40.87	_____
UAN (32% N)	cwt	18.54	1.8000	33.37	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	96.0000	10.56	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Diuron 4L	pt	3.28	1.6000	5.25	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	45.0000	27.90	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.9212	10.69	_____
Self-Propelled	hour	11.60	0.4120	4.74	_____
HAND LABOR					
Implements	hour	9.06	0.4136	3.75	_____
Self-Propelled	hour	9.06	0.3349	3.04	_____
UNALLOCATED LABOR	hour	11.55	1.0666	12.33	_____
DIESEL FUEL					
Tractors	gal	3.40	9.0100	30.63	_____
Self-Propelled	gal	3.40	6.0322	20.51	_____
REPAIR & MAINTENANCE					
Implements	acre	7.42	1.0000	7.42	_____
Tractors	acre	4.12	1.0000	4.12	_____
Self-Propelled	acre	15.45	1.0000	15.45	_____
INTEREST ON OP. CAP.	acre	9.47	1.0000	9.47	_____
TOTAL DIRECT EXPENSES				552.94	_____
FIXED EXPENSES					
Implements	acre	12.59	1.0000	12.59	_____
Tractors	acre	26.34	1.0000	26.34	_____
Self-Propelled	acre	65.11	1.0000	65.11	_____
TOTAL FIXED EXPENSES				104.04	_____
TOTAL SPECIFIED EXPENSES				656.98	_____

Note: Cost of production estimates are based on 2011 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, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	750.0000	684.75	_____
Cotton Seed	lb	0.07	1125.0000	85.50	_____

TOTAL INCOME				770.25	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	67.50	1.0000	67.50	_____
FERTILIZERS	acre	114.15	1.0000	114.15	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	50.60	1.0000	50.60	_____
INSECTICIDES	acre	32.43	1.0000	32.43	_____
SEED/PLANTS	acre	27.90	1.0000	27.90	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.7485	6.79	_____
OPERATOR LABOR	hour	11.60	1.3333	15.43	_____
UNALLOCATED LABOR	hour	11.55	1.0666	12.33	_____
DIESEL FUEL	gal	3.40	15.0423	51.14	_____
REPAIR & MAINTENANCE	acre	26.99	1.0000	26.99	_____
INTEREST ON OP. CAP.	acre	9.47	1.0000	9.47	_____

TOTAL DIRECT EXPENSES				552.94	_____
RETURNS ABOVE DIRECT EXPENSES				217.31	_____

TOTAL FIXED EXPENSES				104.04	_____

TOTAL SPECIFIED EXPENSES				656.98	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				113.27	_____

Note: Cost of production estimates are based on 2011 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, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

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				
Phosphorus(46% P2O5)	cwt					0.1000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Mar			0.01	0.02	0.01
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					1.8000				
Potash (60% K2O)	cwt					1.4000				
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 B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Glyphosate 3lbs a.e.	oz					32.0000				
Dual Magnum	pt					1.0000				
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					12.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Diuron 4L	pt					1.6000				
Glyphosate 3lbs a.e.	oz					32.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jul			0.01	0.02	0.01
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer 600-750gal	60' 175hp		0.017	0.25	Jul			0.00	0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
Sprayer 600-750gal	60' 175hp		0.017					0.01	0.02	0.01
Incidental Pest Trt	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Aug			0.01	0.02	0.01
Acephate 90%	lb					0.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Sep			0.01	0.02	0.01
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	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.33	0.92	2.08	1.06

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 2.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, no-till
B2RF variety, Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Phosphorus(46% P2O5)	cwt	2.87						0.12	2.99		2.99
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.03	1.16	0.97	2.13
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Amm Nitrate (34% N)	cwt	37.04						1.05	38.09		38.09
Potash (60% K2O)	cwt	40.87						1.16	42.03		42.03
Row Cond Rigid	26'		1.99	0.44	1.24			0.08	3.75	2.45	6.20
NT Plant&Pre-Rigid	8R-38		2.78	1.55	2.51			0.15	6.99	4.68	11.67
Cotton Seed B2RF	thous	27.90						0.59	28.49		28.49
B2RF Cot Tech Fee	thous	67.05						1.42	68.47		68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Glyphosate 3lbs a.e.	oz	3.52						0.07	3.59		3.59
Dual Magnum	pt	12.25						0.26	12.51		12.51
Acephate 90%	lb	1.46						0.03	1.49		1.49
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.10	5.90	3.25	9.15
UAN (32% N)	cwt	33.37						0.59	33.96		33.96
Spray (Direct/Layby)	8R-38		2.22	0.65	1.70			0.08	4.65	2.34	6.99
Diuron 4L	pt	5.25						0.09	5.34		5.34
Glyphosate 3lbs a.e.	oz	3.52						0.06	3.58		3.58
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Acephate 90%	lb	3.65						0.05	3.70		3.70
Sprayer 600-750gal	60' 175hp		0.13	0.04	0.11				0.28	0.24	0.52
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.82						0.03	1.85		1.85
Incidental Pest											
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Incidental Pest Trt	acre	12.00						0.17	12.17		12.17
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.01	1.14	0.97	2.11
Acephate 90%	lb	4.97						0.05	5.02		5.02
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.01	1.14	0.97	2.11
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-750gal	60' 175hp		0.27	0.07	0.22				0.56	0.49	1.05
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	4R-38(350)		15.79	14.14	7.72			0.13	37.78	56.62	94.40
Boll Buggy	4R-38(325)		8.57	2.72	5.38			0.06	16.73	10.61	27.34
Module Builder	4R-38(325)		8.57	3.12	7.72			0.07	19.48	11.44	30.92
Gin & Haul	lb	67.50						0.24	67.74		67.74
Stalk Shredder	14'		3.92	1.81	2.46			0.03	8.22	4.16	12.38
TOTALS			430.79	51.14	26.99	34.55	0.00	9.47	552.94	104.04	656.98

Note: Cost of production estimates are based on 2011 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, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

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	770.25
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	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	67.50
FERTILIZERS	2.87	0.00	0.00	0.00	77.91	0.00	0.00	33.37	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	8.68	0.00	33.15	8.77	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	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	1.08	1.08	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	1.50	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	22.00	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	0.44	0.00	4.63	4.11	0.99	0.44	0.66	23.28
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	0.54	0.00	5.85	5.34	1.21	0.54	0.81	36.85
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.15	0.00	2.29	2.05	0.34	0.15	0.22	21.79
INTEREST ON OP. CAP.	1.06	0.00	0.00	0.00	2.69	0.00	3.62	1.09	0.33	0.06	0.09	0.53
TOTAL DIRECT EXPENSES	25.93	0.00	0.00	0.00	97.41	0.00	174.45	62.97	22.79	6.16	13.28	149.95
NET INCOME	-25.93	0.00	0.00	0.00	-97.41	0.00	-174.45	-62.97	-22.79	-6.16	-13.28	620.30
NET INCOME TO DATE	-25.93	-25.93	-25.93	-25.93	-123.34	-123.34	-297.79	-360.76	-383.55	-389.71	-402.99	217.31

Note: Cost of production estimates are based on 2011 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, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

PRODUCT	PERCENT													
	75	80	85	90	95	100	105	110	115	120	125			
	PRODUCT PRICE													
Cotton Lint	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14			
PERCENT	YIELD	UNIT	dollars											
50	375.00	lb	-176 -280	-159 -263	-142 -246	-125 -229	-108 -212	-91 -195	-74 -178	-56 -160	-39 -143	-22 -126	-5 -109	
60	450.00	lb	-132 -236	-111 -215	-91 -195	-70 -174	-50 -154	-29 -133	-8 -112	11 -92	32 -71	52 -51	73 -30	
70	525.00	lb	-87 -191	-63 -167	-39 -143	-15 -119	8 -95	32 -71	56 -47	80 -23	104 0	128 24	152 47	
80	600.00	lb	-43 -147	-15 -119	11 -92	39 -64	66 -37	93 -10	121 17	148 44	176 72	203 99	230 126	
90	675.00	lb	1 -102	32 -71	63 -40	93 -10	124 20	155 51	186 82	217 113	248 144	278 174	309 205	
100	750.00	lb	46 -57	80 -23	114 10	148 44	183 79	217 113	251 147	285 181	320 215	354 250	388 284	
110	825.00	lb	90 -13	128 24	166 61	203 99	241 137	279 174	316 212	354 250	391 287	429 325	467 363	
120	900.00	lb	135 31	176 72	217 113	258 154	299 195	340 236	381 277	422 318	463 359	505 401	546 442	
130	975.00	lb	179 75	224 120	268 164	313 209	357 253	402 298	446 342	491 387	535 431	580 476	624 520	
140	1050.00	lb	224 120	272 168	320 216	368 264	416 312	464 360	512 408	559 455	607 503	655 551	703 599	
150	1125.00	lb	269 164	320 216	371 267	423 319	474 370	525 421	577 473	628 524	679 575	731 627	782 678	

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 2011 input prices.

Table 3.A Estimated costs per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	750.0000	67.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	28.65	0.1000	2.87	_____
Potash (60% K2O)	cwt	29.19	1.4000	40.87	_____
UAN (32% N)	cwt	18.54	3.6000	66.74	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	32.0000	3.52	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Ignite 280	oz	0.40	58.0000	23.20	_____
Valor SX	oz	4.58	2.0000	9.16	_____
MSMA 6.6	pt	2.69	2.7500	7.40	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed LLB2	thous	1.10	45.0000	49.50	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	1.1134	12.92	_____
Self-Propelled	hour	11.60	0.4120	4.74	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.3349	3.04	_____
UNALLOCATED LABOR					
	hour	11.55	1.2203	14.10	_____
DIESEL FUEL					
Tractors	gal	3.40	10.8888	37.02	_____
Self-Propelled	gal	3.40	6.0322	20.51	_____
REPAIR & MAINTENANCE					
Implements	acre	9.85	1.0000	9.85	_____
Tractors	acre	4.99	1.0000	4.99	_____
Self-Propelled	acre	15.45	1.0000	15.45	_____
INTEREST ON OP. CAP.	acre	10.63	1.0000	10.63	_____
TOTAL DIRECT EXPENSES				613.51	_____
FIXED EXPENSES					
Implements	acre	16.45	1.0000	16.45	_____
Tractors	acre	31.84	1.0000	31.84	_____
Self-Propelled	acre	65.11	1.0000	65.11	_____
TOTAL FIXED EXPENSES				113.40	_____
TOTAL SPECIFIED EXPENSES				726.91	_____

Note: Cost of production estimates are based on 2011 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, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	750.0000	684.75	_____
Cotton Seed	lb	0.07	1125.0000	85.50	_____

TOTAL INCOME				770.25	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	67.50	1.0000	67.50	_____
FERTILIZERS	acre	110.48	1.0000	110.48	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	78.07	1.0000	78.07	_____
INSECTICIDES	acre	32.43	1.0000	32.43	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.7840	7.11	_____
OPERATOR LABOR	hour	11.60	1.5254	17.66	_____
UNALLOCATED LABOR	hour	11.55	1.2203	14.10	_____
DIESEL FUEL	gal	3.40	16.9211	57.53	_____
REPAIR & MAINTENANCE	acre	30.29	1.0000	30.29	_____
INTEREST ON OP. CAP.	acre	10.63	1.0000	10.63	_____

TOTAL DIRECT EXPENSES				613.51	_____
RETURNS ABOVE DIRECT EXPENSES				156.74	_____

TOTAL FIXED EXPENSES				113.40	_____

TOTAL SPECIFIED EXPENSES				726.91	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				43.34	_____

Note: Cost of production estimates are based on 2011 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, conservation tillage
LLB2 variety, Non-Delta Area, Mississippi, 2012

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				
Phosphorus(46% P2O5)	cwt					0.1000				
Bed-Paratill	Fold	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.06
Sprayer	600-750gal	60' 175hp		0.017	1.00	Mar		0.01	0.02	0.01
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Bed-Disk (Hipper)Rd	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					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
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 LLB2	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer	600-750gal	60' 175hp		0.017	1.00	May		0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer	600-750gal	60' 175hp		0.017	1.00	May		0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Ignite 280	oz					29.0000				
Acephate 90%	lb					0.2200				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Sprayer	600-750gal	60' 175hp		0.017	1.00	Jun		0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Ignite 280	oz					29.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Valor SX	oz					2.0000				
MSMA 6.6	pt					2.7500				
Sprayer	600-750gal	60' 175hp		0.017	1.00	Jul		0.01	0.02	0.01
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer	600-750gal	60' 175hp		0.017	0.25	Jul		0.00	0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest					1.00	Jul				
Sprayer	600-750gal	60' 175hp		0.017			0.01	0.02	0.01	
Incidental Pest Trt	acre					1.0000				
Sprayer	600-750gal	60' 175hp		0.017	1.00	Aug		0.01	0.02	0.01
Acephate 90%	lb					0.7500				
Sprayer	600-750gal	60' 175hp		0.017	1.00	Sep		0.01	0.02	0.01
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	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb				1.00	Oct	750.0000			
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.52	1.11	2.30	1.22

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 3.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
LLB2 variety, Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Phosphorus(46% P2O5)	cwt	2.87						0.12	2.99		2.99
Bed-Paratill Fold	8R-38		2.69	1.93	1.69			0.27	6.58	5.10	11.68
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.03	1.16	0.97	2.13
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)Rd	8R-38		1.23	0.31	0.77			0.07	2.38	1.44	3.82
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	40.87						1.16	42.03		42.03
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.14	5.94	3.25	9.19
UAN (32% N)	cwt	33.37						0.83	34.20		34.20
Row Cond Rigid	26'		1.99	0.44	1.24			0.08	3.75	2.45	6.20
Plant & Pre-Rigid	8R-38		2.67	1.36	2.40			0.14	6.57	4.25	10.82
Cotton Seed LLB2	thous	49.50						1.05	50.55		50.55
B2RF Cot Tech Fee	thous	67.05						1.42	68.47		68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Dual Magnum	pt	12.25						0.26	12.51		12.51
Ignite 280	oz	11.60						0.25	11.85		11.85
Acephate 90%	lb	1.46						0.03	1.49		1.49
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.10	5.90	3.25	9.15
UAN (32% N)	cwt	33.37						0.59	33.96		33.96
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Ignite 280	oz	11.60						0.21	11.81		11.81
Spray (Direct/Layby)	8R-38		2.22	0.65	1.70			0.06	4.63	2.34	6.97
Valor SX	oz	9.16						0.13	9.29		9.29
MSMA 6.6	pt	7.40						0.10	7.50		7.50
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Acephate 90%	lb	3.65						0.05	3.70		3.70
Sprayer 600-750gal	60' 175hp		0.13	0.04	0.11				0.28	0.24	0.52
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.82						0.03	1.85		1.85
Incidental Pest											
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Incidental Pest Trt	acre	12.00						0.17	12.17		12.17
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.01	1.14	0.97	2.11
Acephate 90%	lb	4.97						0.05	5.02		5.02
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.01	1.14	0.97	2.11
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-750gal	60' 175hp		0.27	0.07	0.22				0.56	0.49	1.05
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	4R-38(350)		15.79	14.14	7.72			0.13	37.78	56.62	94.40
Boll Buggy	4R-38(325)		8.57	2.72	5.38			0.06	16.73	10.61	27.34
Module Builder	4R-38(325)		8.57	3.12	7.72			0.07	19.48	11.44	30.92
Gin & Haul	lb	67.50						0.24	67.74		67.74
Stalk Shredder	14'		3.92	1.81	2.46			0.03	8.22	4.16	12.38
TOTALS			476.19	57.53	30.29	38.87	0.00	10.63	613.51	113.40	726.91

Note: Cost of production estimates are based on 2011 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, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

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	770.25
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	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	67.50
FERTILIZERS	2.87	0.00	0.00	0.00	40.87	33.37	0.00	33.37	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	8.68	0.00	41.23	11.60	16.56	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	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
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	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	1.08	1.08	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	1.50	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	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.69	0.00	0.00	0.00	1.21	1.97	4.52	2.41	2.69	0.44	0.66	23.28
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	2.69	0.00	0.00	0.00	1.77	2.58	5.74	3.12	3.43	0.54	0.81	36.85
REPAIR & MAINTENANCE	1.93	0.00	0.00	0.00	0.46	1.25	2.10	1.40	0.99	0.15	0.22	21.79
INTEREST ON OP. CAP.	1.33	0.00	0.00	0.00	1.71	0.97	4.25	1.07	0.62	0.06	0.09	0.53
TOTAL DIRECT EXPENSES	32.51	0.00	0.00	0.00	61.70	40.14	204.35	61.21	44.21	6.16	13.28	149.95
NET INCOME	-32.51	0.00	0.00	0.00	-61.70	-40.14	-204.35	-61.21	-44.21	-6.16	-13.28	620.30
NET INCOME TO DATE	-32.51	-32.51	-32.51	-32.51	-94.21	-134.35	-338.70	-399.91	-444.12	-450.28	-463.56	156.74

Note: Cost of production estimates are based on 2011 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, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
	-----PRODUCT PRICE-----												
Cotton Lint	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14		
PERCENT	YIELD	UNIT	-----dollars-----										
50	375.00	lb	-237	-220	-203	-186	-168	-151	-134	-117	-100	-83	-66
			-350	-333	-316	-299	-282	-265	-248	-230	-213	-196	-179
60	450.00	lb	-192	-172	-151	-131	-110	-90	-69	-48	-28	-7	12
			-306	-285	-265	-244	-224	-203	-182	-162	-141	-121	-100
70	525.00	lb	-148	-124	-100	-76	-52	-28	-4	19	43	67	91
			-261	-237	-213	-189	-165	-141	-117	-93	-69	-45	-21
80	600.00	lb	-103	-76	-48	-21	5	33	60	88	115	142	170
			-217	-189	-162	-134	-107	-80	-52	-25	2	29	56
90	675.00	lb	-59	-28	2	33	64	95	125	156	187	218	249
			-172	-141	-110	-79	-49	-18	12	43	74	104	135
100	750.00	lb	-14	19	54	88	122	156	190	225	259	293	327
			-127	-93	-59	-25	9	43	77	111	146	180	214
110	825.00	lb	30	67	105	143	180	218	256	293	331	369	406
			-83	-45	-7	29	67	105	142	180	218	255	293
120	900.00	lb	74	115	156	197	239	280	321	362	403	444	485
			-38	2	43	84	125	166	207	248	289	331	372
130	975.00	lb	119	163	208	252	297	341	386	430	475	519	564
			5	50	94	139	183	228	272	317	361	406	450
140	1050.00	lb	163	211	259	307	355	403	451	499	547	595	643
			50	98	146	194	242	290	338	386	433	481	529
150	1125.00	lb	208	259	311	362	413	465	516	567	619	670	722
			95	146	197	249	300	351	403	454	505	557	608

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 2011 input prices.

Table 4.A Estimated costs per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	1.5000	8.63	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.30	8.0000	2.40	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	28.65	0.6600	18.91	_____
Potash (60% K2O)	cwt	29.19	1.0000	29.19	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.83	2.5000	2.07	_____
Headline EC	oz	2.66	3.0000	7.98	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	1.75	6.0000	10.50	_____
2,4-D Amine 4	pt	2.01	2.0000	4.02	_____
Valor SX	oz	4.58	2.0000	9.16	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
INSECTICIDES					
Gaucho 600	oz	5.75	1.0000	5.75	_____
Acephate 90SP	lb	6.63	0.7500	4.97	_____
SEED/PLANTS					
Soybean Seed RR2	lb	0.98	50.0000	49.00	_____
ADJUVANTS					
Surfactant	pt	2.62	0.1000	0.26	_____
HAULING					
Haul Soybeans/Field	bu	0.24	43.0000	10.32	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.2500	11.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.3791	4.40	_____
Harvesters	hour	11.60	0.1021	1.19	_____
HAND LABOR					
Implements	hour	9.06	0.1857	1.68	_____
UNALLOCATED LABOR	hour	11.56	0.4332	5.01	_____
DIESEL FUEL					
Tractors	gal	3.40	3.7083	12.62	_____
Harvesters	gal	3.40	1.3935	4.74	_____
REPAIR & MAINTENANCE					
Implements	acre	3.98	1.0000	3.98	_____
Tractors	acre	1.71	1.0000	1.71	_____
Harvesters	acre	2.56	1.0000	2.56	_____
INTEREST ON OP. CAP.	acre	5.64	1.0000	5.64	_____

TOTAL DIRECT EXPENSES				229.94	_____
FIXED EXPENSES					
Implements	acre	8.11	1.0000	8.11	_____
Tractors	acre	10.85	1.0000	10.85	_____
Harvesters	acre	10.27	1.0000	10.27	_____

TOTAL FIXED EXPENSES				29.23	_____

TOTAL SPECIFIED EXPENSES				259.17	_____

Note: Cost of production estimates are based on 2011 input prices.

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 4.B Summary of estimated costs and returns per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	11.86	43.0000	509.98	_____

TOTAL INCOME				509.98	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.63	1.0000	8.63	_____
HARVEST AIDS	acre	2.40	1.0000	2.40	_____
FERTILIZERS	acre	48.10	1.0000	48.10	_____
FUNGICIDES	acre	10.05	1.0000	10.05	_____
HERBICIDES	acre	35.93	1.0000	35.93	_____
INSECTICIDES	acre	10.72	1.0000	10.72	_____
SEED/PLANTS	acre	49.00	1.0000	49.00	_____
ADJUVANTS	acre	0.26	1.0000	0.26	_____
HAULING	acre	10.32	1.0000	10.32	_____
CUSTOM LIME	acre	11.00	1.0000	11.00	_____
HAND LABOR	hour	9.06	0.1857	1.68	_____
OPERATOR LABOR	hour	11.60	0.4813	5.59	_____
UNALLOCATED LABOR	hour	11.56	0.4332	5.01	_____
DIESEL FUEL	gal	3.40	5.1019	17.36	_____
REPAIR & MAINTENANCE	acre	8.25	1.0000	8.25	_____
INTEREST ON OP. CAP.	acre	5.64	1.0000	5.64	_____

TOTAL DIRECT EXPENSES				229.94	_____
RETURNS ABOVE DIRECT EXPENSES				280.04	_____
TOTAL FIXED EXPENSES				29.23	_____

TOTAL SPECIFIED EXPENSES				259.17	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				250.81	_____

Note: Cost of production estimates are based on 2011 input prices.

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 4.C Estimated resource use for field operations, per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

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	0.2500				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
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	Mar	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 RR2	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Gaucho 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				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Jul		0.01	0.01	0.02	0.01
Headline EC	oz					3.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Aug		0.02	0.02	0.04	0.02
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			0.50	Aug	0.5000				
Gramoxone Inteon	oz					8.0000				
Surfactant	pt					0.1000				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Soybeans/Field	bu					43.0000				
TOTALS							0.48	0.48	0.66	0.43

Note: Cost of production estimates are based on 2011 input prices.

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 4.D Estimated costs for field operations, per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	11.00						0.47	11.47		11.47
Spin Spreader	5 ton		1.40	0.46	1.31			0.13	3.30	1.75	5.05
Phosphorus(46% P2O5)	cwt	18.91						0.80	19.71		19.71
Potash (60% K2O)	cwt	29.19						1.24	30.43		30.43
Disk Harrow	24'		2.72	1.12	1.80			0.24	5.88	3.95	9.83
Field Cultivate Fld	24'		2.07	0.65	1.37			0.17	4.26	3.35	7.61
App by Air (5 gal)	appl	5.75						0.14	5.89		5.89
Glyphosate 3lbs a.e.	pt	3.50						0.09	3.59		3.59
2,4-D Amine 4	pt	4.02						0.10	4.12		4.12
Valor SX	oz	9.16						0.23	9.39		9.39
Plant - Rigid	12R-20		3.14	1.80	2.92			0.17	8.03	5.39	13.42
Soybean Seed RR2	lb	49.00						1.04	50.04		50.04
Apron Maxx RTA	oz	2.07						0.04	2.11		2.11
Gaucho 600	oz	5.75						0.12	5.87		5.87
Spray (Broadcast)	60'		0.94	0.28	0.75			0.03	2.00	0.99	2.99
Glyphosate 3lbs a.e.	pt	3.50						0.06	3.56		3.56
Dual Magnum	pt	12.25						0.22	12.47		12.47
Spray (Broadcast)	60'		0.94	0.28	0.75			0.03	2.00	0.99	2.99
Glyphosate 3lbs a.e.	pt	3.50						0.06	3.56		3.56
Spray (Broadcast)	60'		0.47	0.13	0.37			0.01	0.98	0.49	1.47
Headline EC	oz	7.98						0.08	8.06		8.06
Spray (Broadcast)	60'		0.94	0.28	0.75			0.01	1.98	0.99	2.97
Acephate 90SP	lb	4.97						0.04	5.01		5.01
App by Air (5 gal)	appl	2.88						0.02	2.90		2.90
Gramoxone Inteon	oz	2.40						0.02	2.42		2.42
Surfactant	pt	0.26							0.26		0.26
Header -Soybean	25' Flex		4.74	3.25	2.26			0.04	10.29	11.33	21.62
Haul Soybeans/Field	bu	10.32						0.04	10.36		10.36
TOTALS		186.41	17.36	8.25	12.28	0.00	5.64	229.94	29.23	259.17	

Note: Cost of production estimates are based on 2011 input prices.

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 4.E Estimated monthly income and expense flows per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

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	509.98
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	0.00	2.88	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.00
FERTILIZERS	48.10	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	2.07	0.00	0.00	7.98	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	16.68	0.00	19.25	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	4.97	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.00	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	0.26	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	10.32
CUSTOM LIME	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.48	0.00	0.00	0.00	0.00	0.00	2.92	1.50	0.00	0.37	0.75	2.26
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	6.19	0.00	0.00	0.00	0.00	0.00	3.14	1.88	0.00	0.47	0.94	4.74
REPAIR & MAINTENANCE	2.23	0.00	0.00	0.00	0.00	0.00	1.80	0.56	0.00	0.13	0.28	3.25
INTEREST ON OP. CAP.	3.05	0.00	0.00	0.00	0.00	0.56	1.37	0.40	0.00	0.09	0.09	0.08
TOTAL DIRECT EXPENSES	75.05	0.00	0.00	0.00	0.00	22.99	66.05	23.59	0.00	9.04	12.57	20.65
NET INCOME	-75.05	0.00	0.00	0.00	0.00	-22.99	-66.05	-23.59	0.00	-9.04	-12.57	489.33
NET INCOME TO DATE	-75.05	-75.05	-75.05	-75.05	-75.05	-98.04	-164.09	-187.68	-187.68	-196.72	-209.29	280.04

Note: Cost of production estimates are based on 2011 input prices.

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 4.F Estimated returns for various price/yield combinations, per acre
 Soybeans, early-planted, RR, reduced tillage, 12R 20"
 Non-Delta Area, Mississippi, 2012

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Soybeans			8.89	9.48	10.08	10.67	11.26	11.86	12.45	13.04	13.63	14.23	14.82
PERCENT YIELD UNIT			-----dollars-----										
50	21.50	bu	-33	-20	-8	4	17	30	42	55	68	81	93
			-62	-49	-37	-24	-11	1	13	26	39	51	64
60	25.80	bu	3	18	34	49	64	80	95	110	126	141	156
			-25	-10	5	20	35	50	66	81	96	112	127
70	30.10	bu	40	58	76	94	112	130	148	165	183	201	219
			11	29	47	65	83	100	118	136	154	172	190
80	34.40	bu	78	98	118	139	159	180	200	220	241	261	282
			48	69	89	110	130	150	171	191	212	232	252
90	38.70	bu	115	138	161	184	207	230	253	275	298	321	344
			86	109	132	154	177	200	223	246	269	292	315
100	43.00	bu	152	178	203	229	254	280	305	331	356	382	407
			123	148	174	199	225	250	276	301	327	352	378
110	47.30	bu	189	217	245	273	301	330	358	386	414	442	470
			160	188	216	244	272	300	328	356	384	412	441
120	51.60	bu	226	257	288	318	349	379	410	441	471	502	532
			197	228	258	289	320	350	381	411	442	473	503
130	55.90	bu	264	297	330	363	396	429	463	496	529	562	595
			234	268	301	334	367	400	433	466	500	533	566
140	60.20	bu	301	337	372	408	444	479	515	551	586	622	658
			272	307	343	379	414	450	486	522	557	593	629
150	64.50	bu	338	376	415	453	491	529	568	606	644	682	721
			309	347	385	424	462	500	538	577	615	653	691

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 2011 input prices.

Table 5.A Estimated costs per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	28.65	0.6600	18.91	_____
Potash (60% K2O)	cwt	29.19	1.0000	29.19	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.83	2.5000	2.07	_____
Quadris	oz	2.24	3.0000	6.72	_____
HERBICIDES					
Dual Magnum	pt	12.25	1.0000	12.25	_____
Glyphosate 3lbs a.e.	pt	1.75	4.0000	7.00	_____
INSECTICIDES					
Gaucho 600	oz	5.75	1.0000	5.75	_____
Dimilin 2L	oz	1.76	1.0000	1.76	_____
Acephate 90SP	lb	6.63	0.7500	4.97	_____
Intrepid 2F	oz	1.79	2.0000	3.58	_____
Baythroid XL	oz	2.19	1.0650	2.33	_____
SEED/PLANTS					
Soybean Seed RR2	lb	0.98	50.0000	49.00	_____
ADJUVANTS					
Surfactant	pt	2.62	0.0500	0.13	_____
HAULING					
Haul Soybeans/Field	bu	0.24	30.0000	7.20	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.2500	11.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.4005	4.65	_____
Harvesters	hour	11.60	0.1021	1.19	_____
HAND LABOR					
Implements	hour	9.06	0.2000	1.81	_____
UNALLOCATED LABOR	hour	11.58	0.4524	5.24	_____
DIESEL FUEL					
Tractors	gal	3.40	3.9172	13.33	_____
Harvesters	gal	3.40	1.3935	4.74	_____
REPAIR & MAINTENANCE					
Implements	acre	4.35	1.0000	4.35	_____
Tractors	acre	1.80	1.0000	1.80	_____
Harvesters	acre	2.56	1.0000	2.56	_____
INTEREST ON OP. CAP.	acre	4.15	1.0000	4.15	_____
TOTAL DIRECT EXPENSES				205.68	_____
FIXED EXPENSES					
Implements	acre	8.78	1.0000	8.78	_____
Tractors	acre	11.45	1.0000	11.45	_____
Harvesters	acre	10.27	1.0000	10.27	_____
TOTAL FIXED EXPENSES				30.50	_____
TOTAL SPECIFIED EXPENSES				236.18	_____

Note: Cost of production estimates are based on 2011 input prices.

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 5.B Summary of estimated costs and returns per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	11.86	30.0000	355.80	_____

TOTAL INCOME				355.80	_____
DIRECT EXPENSES					
FERTILIZERS	acre	48.10	1.0000	48.10	_____
FUNGICIDES	acre	8.79	1.0000	8.79	_____
HERBICIDES	acre	19.25	1.0000	19.25	_____
INSECTICIDES	acre	18.39	1.0000	18.39	_____
SEED/PLANTS	acre	49.00	1.0000	49.00	_____
ADJUVANTS	acre	0.13	1.0000	0.13	_____
HAULING	acre	7.20	1.0000	7.20	_____
CUSTOM LIME	acre	11.00	1.0000	11.00	_____
HAND LABOR	hour	9.06	0.2000	1.81	_____
OPERATOR LABOR	hour	11.60	0.5027	5.84	_____
UNALLOCATED LABOR	hour	11.58	0.4524	5.24	_____
DIESEL FUEL	gal	3.40	5.3107	18.07	_____
REPAIR & MAINTENANCE	acre	8.71	1.0000	8.71	_____
INTEREST ON OP. CAP.	acre	4.15	1.0000	4.15	_____

TOTAL DIRECT EXPENSES				205.68	_____
RETURNS ABOVE DIRECT EXPENSES				150.12	_____
TOTAL FIXED EXPENSES				30.50	_____

TOTAL SPECIFIED EXPENSES				236.18	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				119.62	_____

Note: Cost of production estimates are based on 2011 input prices.

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 5.C Estimated resource use for field operations, per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

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	0.2500				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Apr		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
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 RR2	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Gaucha 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				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Jul		0.01	0.01	0.02	0.01
Dimilin 2L	oz					1.0000				
Quadris	oz					3.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Aug		0.02	0.02	0.04	0.02
Acephate 90SP	lb					0.7500				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Aug		0.01	0.01	0.02	0.01
Intrepid 2F	oz					2.0000				
Baythroid XL	oz					1.0650				
Surfactant	pt					0.0500				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Oct		0.10	0.10	0.10	0.09
Haul Soybeans/Field	bu					30.0000				
TOTALS							0.50	0.50	0.70	0.45

Note: Cost of production estimates are based on 2011 input prices.
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 5.D Estimated costs for field operations, per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	11.00						0.47	11.47		11.47
Spin Spreader	5 ton		1.40	0.46	1.31			0.08	3.25	1.75	5.00
Phosphorus(46% P2O5)	cwt	18.91						0.47	19.38		19.38
Potash (60% K2O)	cwt	29.19						0.72	29.91		29.91
Disk Harrow	24'		2.72	1.12	1.80			0.14	5.78	3.95	9.73
Field Cultivate Fld	24'		2.07	0.65	1.37			0.09	4.18	3.35	7.53
Plant & Pre-Rigid	12R-20		3.38	2.13	3.16			0.18	8.85	6.17	15.02
Soybean Seed RR2	lb	49.00						1.04	50.04		50.04
Apron Maxx RTA	oz	2.07						0.04	2.11		2.11
Gaucho 600	oz	5.75						0.12	5.87		5.87
Dual Magnum	pt	12.25						0.26	12.51		12.51
Spray (Broadcast)	60'		0.94	0.28	0.75			0.04	2.01	0.99	3.00
Glyphosate 3lbs a.e.	pt	3.50						0.07	3.57		3.57
Spray (Broadcast)	60'		0.94	0.28	0.75			0.03	2.00	0.99	2.99
Glyphosate 3lbs a.e.	pt	3.50						0.06	3.56		3.56
Spray (Broadcast)	60'		0.47	0.13	0.37			0.01	0.98	0.49	1.47
Dimilin 2L	oz	1.76						0.02	1.78		1.78
Quadris	oz	6.72						0.10	6.82		6.82
Spray (Broadcast)	60'		0.94	0.28	0.75			0.02	1.99	0.99	2.98
Acephate 90SP	lb	4.97						0.05	5.02		5.02
Spray (Broadcast)	60'		0.47	0.13	0.37			0.01	0.98	0.49	1.47
Intrepid 2F	oz	3.58						0.04	3.62		3.62
Baythroid XL	oz	2.33						0.02	2.35		2.35
Surfactant	pt	0.13							0.13		0.13
Header -Soybean	25' Flex		4.74	3.25	2.26			0.04	10.29	11.33	21.62
Haul Soybeans/Field	bu	7.20						0.03	7.23		7.23
TOTALS		161.86	18.07	8.71	12.89	0.00		4.15	205.68	30.50	236.18

Note: Cost of production estimates are based on 2011 input prices.

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 5.E Estimated monthly income and expense flows per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2012

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	355.80
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	48.10	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	2.07	0.00	6.72	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	15.75	3.50	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	5.75	0.00	1.76	10.88	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.00	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	0.13	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.20
CUSTOM LIME	11.00	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	3.11	5.28	0.75	0.37	1.12	0.00	2.26
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	4.12	6.39	0.94	0.47	1.41	0.00	4.74
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	1.58	3.06	0.28	0.13	0.41	0.00	3.25
INTEREST ON OP. CAP.	0.47	0.00	0.00	0.00	0.00	1.41	1.84	0.09	0.13	0.14	0.00	0.07
TOTAL DIRECT EXPENSES	11.47	0.00	0.00	0.00	0.00	58.32	89.14	5.56	9.58	14.09	0.00	17.52
NET INCOME	-11.47	0.00	0.00	0.00	0.00	-58.32	-89.14	-5.56	-9.58	-14.09	0.00	338.28
NET INCOME TO DATE	-11.47	-11.47	-11.47	-11.47	-11.47	-69.79	-158.93	-164.49	-174.07	-188.16	-188.16	150.12

Note: Cost of production estimates are based on 2011 input prices.

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 5.F Estimated returns for various price/yield combinations, per acre
 Soybeans, May-planted, RR, convent. tillage, 12R 20"
 Non-Delta Area, Mississippi, 2012

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
			-----dollars-----										
PERCENT	YIELD	UNIT											
Soybeans			8.89	9.48	10.08	10.67	11.26	11.86	12.45	13.04	13.63	14.23	14.82
50	15.00	bu	-68 -99	-59 -90	-50 -81	-41 -72	-33 -63	-24 -54	-15 -45	-6 -36	2 -27	11 -19	20 -10
60	18.00	bu	-42 -73	-32 -62	-21 -51	-10 -41	0 -30	10 -19	21 -9	32 1	42 12	53 22	64 33
70	21.00	bu	-16 -47	-4 -34	8 -22	20 -9	33 2	45 15	58 27	70 39	82 52	95 64	107 77
80	24.00	bu	9 -21	23 -7	37 7	51 21	66 35	80 49	94 64	108 78	123 92	137 106	151 121
90	27.00	bu	35 4	51 20	67 36	83 52	99 68	115 84	131 100	147 116	163 132	179 148	195 164
100	30.00	bu	61 30	78 48	96 66	114 84	132 101	150 119	167 137	185 155	203 172	221 190	239 208
110	33.00	bu	87 56	106 76	126 95	145 115	165 134	184 154	204 174	224 193	243 213	263 232	282 252
120	36.00	bu	113 82	134 103	155 125	177 146	198 167	219 189	241 210	262 232	283 253	305 274	326 296
130	39.00	bu	139 108	162 131	185 154	208 177	231 201	254 224	277 247	300 270	324 293	347 316	370 339
140	42.00	bu	165 134	189 159	214 184	239 209	264 234	289 259	314 283	339 308	364 333	389 358	414 383
150	45.00	bu	190 160	217 187	244 213	271 240	297 267	324 293	351 320	377 347	404 373	431 400	457 427

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 2011 input prices.

Table 6.A Estimated costs per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	28.65	0.6600	18.91	_____
Potash (60% K2O)	cwt	29.19	1.0000	29.19	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.83	2.5000	2.07	_____
Quadris	oz	2.24	3.0000	6.72	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	1.75	5.0000	8.75	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
INSECTICIDES					
Gaucho 600	oz	5.75	1.0000	5.75	_____
Dimilin 2L	oz	1.76	1.0000	1.76	_____
Acephate 90SP	lb	6.63	0.7500	4.97	_____
Intrepid 2F	oz	1.79	3.0000	5.37	_____
Baythroid XL	oz	2.19	1.5975	3.50	_____
SEED/PLANTS					
Soybean Seed RR2	lb	0.98	50.0000	49.00	_____
HAULING					
Haul Soybeans/Field	bu	0.24	25.0000	6.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.2818	3.28	_____
Harvesters	hour	11.60	0.1021	1.19	_____
HAND LABOR					
Implements	hour	9.06	0.2148	1.95	_____
UNALLOCATED LABOR	hour	11.59	0.3302	3.83	_____
DIESEL FUEL					
Tractors	gal	3.40	2.7565	9.38	_____
Harvesters	gal	3.40	1.3935	4.74	_____
REPAIR & MAINTENANCE					
Implements	acre	3.66	1.0000	3.66	_____
Tractors	acre	1.26	1.0000	1.26	_____
Harvesters	acre	2.56	1.0000	2.56	_____
INTEREST ON OP. CAP.	acre	4.11	1.0000	4.11	_____

TOTAL DIRECT EXPENSES				190.20	_____
FIXED EXPENSES					
Implements	acre	6.35	1.0000	6.35	_____
Tractors	acre	8.05	1.0000	8.05	_____
Harvesters	acre	10.27	1.0000	10.27	_____

TOTAL FIXED EXPENSES				24.67	_____

TOTAL SPECIFIED EXPENSES				214.87	_____

Note: Cost of production estimates are based on 2011 input prices.

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 6.B Summary of estimated costs and returns per acre
 Soybeans after wheat, RR, no-till, 12R 20"
 Non-Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	11.86	25.0000	296.50	_____

TOTAL INCOME				296.50	_____
DIRECT EXPENSES					
FERTILIZERS	acre	48.10	1.0000	48.10	_____
FUNGICIDES	acre	8.79	1.0000	8.79	_____
HERBICIDES	acre	21.00	1.0000	21.00	_____
INSECTICIDES	acre	21.35	1.0000	21.35	_____
SEED/PLANTS	acre	49.00	1.0000	49.00	_____
HAULING	acre	6.00	1.0000	6.00	_____
HAND LABOR	hour	9.06	0.2148	1.95	_____
OPERATOR LABOR	hour	11.60	0.3840	4.47	_____
UNALLOCATED LABOR	hour	11.59	0.3302	3.83	_____
DIESEL FUEL	gal	3.40	4.1501	14.12	_____
REPAIR & MAINTENANCE	acre	7.48	1.0000	7.48	_____
INTEREST ON OP. CAP.	acre	4.11	1.0000	4.11	_____

TOTAL DIRECT EXPENSES				190.20	_____
RETURNS ABOVE DIRECT EXPENSES				106.30	_____
TOTAL FIXED EXPENSES				24.67	_____

TOTAL SPECIFIED EXPENSES				214.87	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				81.63	_____

Note: Cost of production estimates are based on 2011 input prices.
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 6.C Estimated resource use for field operations, per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Nov		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
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				
NT Plant&Pre-Rigid	12R-20	MFWD 190	0.105	1.00	Jun		0.10	0.10	0.21	0.09
Soybean Seed RR2	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
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				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Aug		0.01	0.01	0.02	0.01
Dimilin 2L	oz					1.0000				
Quadris	oz					3.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Aug		0.02	0.02	0.04	0.02
Acephate 90SP	lb					0.7500				
Spray (Broadcast)	60'	MFWD 190	0.028	0.75	Aug		0.02	0.02	0.03	0.01
Intrepid 2F	oz					3.0000				
Baythroid XL	oz					1.5975				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Oct		0.10	0.10	0.10	0.08
Haul Soybeans/Field	bu					25.0000				
TOTALS							0.38	0.38	0.59	0.33

Note: Cost of production estimates are based on 2011 input prices.
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.

6.D Estimated costs for field operations, per acre
 Soybeans after wheat, RR, no-till, 12R 20"
 Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Spin Spreader	5 ton		1.40	0.46	1.29			0.13	3.28	1.75	5.03
Phosphorus(46% P2O5)	cwt	18.91						0.80	19.71		19.71
Potash (60% K2O)	cwt	29.19						1.24	30.43		30.43
Spray (Broadcast)	60'		0.94	0.28	0.74			0.03	1.99	0.99	2.98
Glyphosate 3lbs a.e.	pt	3.50						0.06	3.56		3.56
NT Plant&Pre-Rigid	12R-20		3.52	2.47	3.25			0.16	9.40	6.91	16.31
Soybean Seed RR2	lb	49.00						0.87	49.87		49.87
Apron Maxx RTA	oz	2.07						0.04	2.11		2.11
Gaucho 600	oz	5.75						0.10	5.85		5.85
Dual Magnum	pt	12.25						0.22	12.47		12.47
Spray (Broadcast)	60'		0.94	0.28	0.74			0.03	1.99	0.99	2.98
Glyphosate 3lbs a.e.	pt	3.50						0.05	3.55		3.55
Spray (Broadcast)	60'		0.47	0.13	0.36			0.01	0.97	0.49	1.46
Glyphosate 3lbs a.e.	pt	1.75						0.02	1.77		1.77
Spray (Broadcast)	60'		0.47	0.13	0.36			0.01	0.97	0.49	1.46
Dimilin 2L	oz	1.76						0.02	1.78		1.78
Quadris	oz	6.72						0.07	6.79		6.79
Spray (Broadcast)	60'		0.94	0.28	0.74			0.02	1.98	0.99	2.97
Acephate 90SP	lb	4.97						0.05	5.02		5.02
Spray (Broadcast)	60'		0.70	0.20	0.56			0.02	1.48	0.73	2.21
Intrepid 2F	oz	5.37						0.06	5.43		5.43
Baythroid XL	oz	3.50						0.04	3.54		3.54
Header -Soybean	25' Flex		4.74	3.25	2.21			0.04	10.24	11.33	21.57
Haul Soybeans/Field	bu	6.00						0.02	6.02		6.02
TOTALS		154.24	14.12	7.48	10.25	0.00	4.11	190.20	24.67	214.87	

Note: Cost of production estimates are based on 2011 input prices.

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 6.E Estimated monthly income and expense flows per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2012

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	296.50
DIRECT EXPENSES												
FERTILIZERS	48.10	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	2.07	0.00	6.72	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.75	5.25	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.75	0.00	15.60	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	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	6.00
LABOR	1.29	0.00	0.00	0.00	0.00	0.00	0.00	3.99	1.10	1.66	0.00	2.21
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	1.40	0.00	0.00	0.00	0.00	0.00	0.00	4.46	1.41	2.11	0.00	4.74
REPAIR & MAINTENANCE	0.46	0.00	0.00	0.00	0.00	0.00	0.00	2.75	0.41	0.61	0.00	3.25
INTEREST ON OP. CAP.	2.17	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.11	0.29	0.00	0.06
TOTAL DIRECT EXPENSES	53.42	0.00	0.00	0.00	0.00	0.00	0.00	85.25	8.28	26.99	0.00	16.26
NET INCOME	-53.42	0.00	0.00	0.00	0.00	0.00	0.00	-85.25	-8.28	-26.99	0.00	280.24
NET INCOME TO DATE	-53.42	-53.42	-53.42	-53.42	-53.42	-53.42	-53.42	-138.67	-146.95	-173.94	-173.94	106.30

Note: Cost of production estimates are based on 2011 input prices.

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 6.F Estimated returns for various price/yield combinations, per acre
 Soybeans after wheat, RR, no-till, 12R 20"
 Non-Delta Area, Mississippi, 2012

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Soybeans			8.89	9.48	10.08	10.67	11.26	11.86	12.45	13.04	13.63	14.23	14.82
PERCENT	YIELD	UNIT	-----dollars-----										
50	12.50	bu	-76 -100	-68 -93	-61 -85	-53 -78	-46 -71	-38 -63	-31 -56	-24 -48	-16 -41	-9 -33	-1 -26
60	15.00	bu	-54 -79	-45 -70	-36 -61	-27 -52	-18 -43	-9 -34	-0 -25	7 -16	16 -7	25 1	34 9
70	17.50	bu	-32 -57	-22 -47	-11 -36	-1 -26	8 -15	19 -5	29 4	39 15	50 25	60 35	71 46
80	20.00	bu	-11 -35	0 -23	12 -12	24 -0	36 11	48 23	60 35	71 47	83 59	95 70	107 82
90	22.50	bu	10 -14	23 -0	37 12	50 25	63 39	77 52	90 65	103 79	117 92	130 105	143 119
100	25.00	bu	32 7	47 22	61 37	76 51	91 66	106 81	121 96	135 111	150 126	165 140	180 155
110	27.50	bu	53 29	70 45	86 61	102 78	119 94	135 110	151 126	167 143	184 159	200 175	216 192
120	30.00	bu	75 50	93 68	111 86	128 104	146 121	164 139	182 157	199 175	217 193	235 210	253 228
130	32.50	bu	97 72	116 91	135 110	154 130	174 149	193 168	212 188	231 207	251 226	270 245	289 265
140	35.00	bu	118 94	139 114	160 135	180 156	201 177	222 197	243 218	264 239	284 260	305 280	326 301
150	37.50	bu	140 115	162 137	184 160	207 182	229 204	251 226	273 249	296 271	318 293	340 315	362 338

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 2011 input prices.

Table 7.A Estimated costs per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	1.0000	5.75	_____
App by Air (3 gal)	appl	4.50	1.0000	4.50	_____
FERTILIZERS					
DAP	cwt	32.46	1.0870	35.28	_____
Potash (60% K2O)	cwt	29.19	0.8300	24.23	_____
UAN + Sulfur (28%)	cwt	18.54	2.1430	39.73	_____
UAN (32% N)	cwt	18.54	3.2815	60.84	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	1.75	2.0000	3.50	_____
Clarity	pt	10.31	0.5000	5.16	_____
Atrazine 4L	pt	2.04	4.0000	8.16	_____
Dual II Magnum	pt	12.25	1.3300	16.29	_____
Steadfast	oz	23.95	0.3750	8.98	_____
INSECTICIDES					
Intrepid 2F	oz	1.79	4.0000	7.16	_____
SEED/PLANTS					
Corn Seed RR2	thous	2.78	28.0000	77.84	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn/Field	bu	0.24	135.0000	32.40	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.5682	6.60	_____
Harvesters	hour	11.60	0.1277	1.48	_____
HAND LABOR					
Implements	hour	9.06	0.1995	1.80	_____
UNALLOCATED LABOR	hour	11.59	0.6263	7.26	_____
DIESEL FUEL					
Tractors	gal	3.40	4.9725	16.90	_____
Harvesters	gal	3.40	1.7419	5.92	_____
REPAIR & MAINTENANCE					
Implements	acre	7.86	1.0000	7.86	_____
Tractors	acre	2.40	1.0000	2.40	_____
Harvesters	acre	3.21	1.0000	3.21	_____
INTEREST ON OP. CAP.	acre	9.88	1.0000	9.88	_____
TOTAL DIRECT EXPENSES				422.13	_____
FIXED EXPENSES					
Implements	acre	11.29	1.0000	11.29	_____
Tractors	acre	15.35	1.0000	15.35	_____
Harvesters	acre	12.84	1.0000	12.84	_____
TOTAL FIXED EXPENSES				39.48	_____
TOTAL SPECIFIED EXPENSES				461.61	_____

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 7.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	5.64	135.0000	761.40	_____

TOTAL INCOME				761.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	10.25	1.0000	10.25	_____
FERTILIZERS	acre	160.08	1.0000	160.08	_____
HERBICIDES	acre	42.09	1.0000	42.09	_____
INSECTICIDES	acre	7.16	1.0000	7.16	_____
SEED/PLANTS	acre	77.84	1.0000	77.84	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	32.40	1.0000	32.40	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.1995	1.80	_____
OPERATOR LABOR	hour	11.60	0.6959	8.08	_____
UNALLOCATED LABOR	hour	11.59	0.6263	7.26	_____
DIESEL FUEL	gal	3.40	6.7145	22.82	_____
REPAIR & MAINTENANCE	acre	13.47	1.0000	13.47	_____
INTEREST ON OP. CAP.	acre	9.88	1.0000	9.88	_____

TOTAL DIRECT EXPENSES				422.13	_____
RETURNS ABOVE DIRECT EXPENSES				339.27	_____
TOTAL FIXED EXPENSES				39.48	_____

TOTAL SPECIFIED EXPENSES				461.61	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				299.79	_____

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

Table 7.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2012

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	20'	MFWD 170	0.097	1.00	Oct		0.09	0.09	0.09	0.08
Bed-Disk 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 RR2	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/Field	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 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 7.D Estimated costs for field operations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Spin Spreader	5 ton		1.25	0.45	1.31			0.13	3.14	1.69	4.83
DAP	cwt	35.28						1.50	36.78		36.78
Potash (60% K20)	cwt	24.23						1.03	25.26		25.26
Disk Heavy	20'		2.89	1.21	2.15			0.27	6.52	4.36	10.88
Bed-Disk w/roller	8R-30		2.79	0.89	2.07			0.24	5.99	3.83	9.82
App by Air (5 gal)	appl	5.75						0.16	5.91		5.91
Glyphosate 3lbs a.e.	pt	3.50						0.10	3.60		3.60
Clarity	pt	5.16						0.15	5.31		5.31
Plant - Rigid	8R-30		2.81	1.53	2.92			0.18	7.44	4.75	12.19
Corn Seed RR2	thous	77.84						1.93	79.77		79.77
Custom Apply Fert	acre	7.00						0.15	7.15		7.15
UAN + Sulfur (28%)	cwt	39.73						0.84	40.57		40.57
Atrazine 4L	pt	8.16						0.17	8.33		8.33
Dual II Magnum	pt	16.29						0.35	16.64		16.64
Fert Appl (Liquid)	8R-30		2.92	1.42	2.61			0.12	7.07	3.81	10.88
UAN (32% N)	cwt	60.84						1.08	61.92		61.92
Spray (Broadcast)	60'		0.84	0.27	0.75			0.03	1.89	0.94	2.83
Steadfast	oz	8.98						0.16	9.14		9.14
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Intrepid 2F	oz	7.16						0.10	7.26		7.26
Header - Corn	8R-30		5.92	4.83	2.81			0.05	13.61	15.32	28.93
Grain Cart Corn	500 bu		0.95	0.32	0.70			0.01	1.98	1.20	3.18
Haul Corn/Field	bu	32.40						0.11	32.51		32.51
Stalk Shredder	20'		2.45	2.55	1.82			0.02	6.84	3.58	10.42
TOTALS		358.82	22.82	13.47	17.14	0.00	9.88	422.13	39.48	461.61	

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 7.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2012

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	761.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	4.50	0.00	0.00	0.00
FERTILIZERS	59.51	0.00	0.00	0.00	0.00	0.00	39.73	60.84	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.66	0.00	24.45	8.98	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	7.16	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	77.84	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	32.40
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	5.53	0.00	0.00	0.00	0.00	2.92	0.00	3.36	0.00	0.00	0.00	5.33
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	6.93	0.00	0.00	0.00	0.00	2.81	0.00	3.76	0.00	0.00	0.00	9.32
REPAIR & MAINTENANCE	2.55	0.00	0.00	0.00	0.00	1.53	0.00	1.69	0.00	0.00	0.00	7.70
INTEREST ON OP. CAP.	4.11	0.00	0.00	0.00	0.41	2.11	1.51	1.39	0.16	0.00	0.00	0.19
TOTAL DIRECT EXPENSES	100.63	0.00	0.00	0.00	14.82	87.21	72.69	80.02	11.82	0.00	0.00	54.94
NET INCOME	-100.63	0.00	0.00	0.00	-14.82	-87.21	-72.69	-80.02	-11.82	0.00	0.00	706.46
NET INCOME TO DATE	-100.63	-100.63	-100.63	-100.63	-115.45	-202.66	-275.35	-355.37	-367.19	-367.19	-367.19	339.27

Note: Cost of production estimates are based on 2011 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
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2012

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
	-----PRODUCT PRICE-----												
Corn	4.23	4.51	4.79	5.07	5.35	5.64	5.92	6.20	6.48	6.76	7.05		
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-120 -159	-101 -140	-82 -121	-63 -102	-44 -83	-25 -64	-6 -45	12 -26	31 -7	50 11	70 30
60	81.00	bu	-66 -105	-43 -83	-20 -60	2 -37	24 -14	47 8	70 31	93 53	116 76	139 99	161 122
70	94.50	bu	-12 -52	14 -25	40 1	67 27	93 54	120 81	147 107	173 134	200 161	227 187	253 214
80	108.00	bu	41 1	71 32	102 62	132 93	163 123	193 154	223 184	254 214	284 245	315 275	345 306
90	121.50	bu	95 55	129 89	163 124	197 158	232 192	266 226	300 261	334 295	369 329	403 363	437 398
100	135.00	bu	148 109	186 147	225 185	263 223	301 261	339 299	377 337	415 375	453 414	491 452	529 490
110	148.50	bu	202 163	244 205	286 247	328 288	370 330	412 372	454 414	495 456	537 498	579 540	621 582
120	162.00	bu	256 217	302 262	347 308	393 354	439 399	485 445	530 491	576 536	622 582	667 628	713 673
130	175.50	bu	310 271	359 320	409 369	458 419	508 468	557 518	607 567	656 617	706 666	755 716	805 765
140	189.00	bu	364 324	417 378	470 431	524 484	577 538	630 591	684 644	737 697	790 751	844 804	897 857
150	202.50	bu	418 378	475 435	532 492	589 550	646 607	703 664	760 721	817 778	875 835	932 892	989 949

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 2011 input prices.

Table 8.A Estimated costs per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	1.0000	5.75	_____
App by Air (3 gal)	appl	4.50	1.0000	4.50	_____
FERTILIZERS					
DAP	cwt	32.46	1.0870	35.28	_____
Potash (60% K2O)	cwt	29.19	0.8300	24.23	_____
Fert 10-34-0	cwt	29.25	0.5000	14.63	_____
UAN (32% N)	cwt	18.54	5.0000	92.70	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	1.75	4.0000	7.00	_____
Clarity	pt	10.31	0.5000	5.16	_____
Lexar	pt	5.72	3.3000	18.88	_____
INSECTICIDES					
Intrepid 2F	oz	1.79	4.0000	7.16	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.93	28.0000	82.04	_____
HAULING					
Haul Corn/Field	bu	0.24	135.0000	32.40	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.4231	4.92	_____
Harvesters	hour	11.60	0.1277	1.48	_____
HAND LABOR					
Implements	hour	9.06	0.2283	2.06	_____
UNALLOCATED LABOR	hour	11.57	0.4957	5.74	_____
DIESEL FUEL					
Tractors	gal	3.40	3.2673	11.12	_____
Harvesters	gal	3.40	1.7419	5.92	_____
REPAIR & MAINTENANCE					
Implements	acre	7.07	1.0000	7.07	_____
Tractors	acre	1.49	1.0000	1.49	_____
Harvesters	acre	3.21	1.0000	3.21	_____
INTEREST ON OP. CAP.	acre	8.49	1.0000	8.49	_____
TOTAL DIRECT EXPENSES				403.23	_____
FIXED EXPENSES					
Implements	acre	9.24	1.0000	9.24	_____
Tractors	acre	9.14	1.0000	9.14	_____
Harvesters	acre	12.84	1.0000	12.84	_____
TOTAL FIXED EXPENSES				31.22	_____
TOTAL SPECIFIED EXPENSES				434.45	_____

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 8.B Summary of estimated costs and returns per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	5.64	135.0000	761.40	_____

TOTAL INCOME				761.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	10.25	1.0000	10.25	_____
FERTILIZERS	acre	166.84	1.0000	166.84	_____
HERBICIDES	acre	31.04	1.0000	31.04	_____
INSECTICIDES	acre	7.16	1.0000	7.16	_____
SEED/PLANTS	acre	82.04	1.0000	82.04	_____
HAULING	acre	32.40	1.0000	32.40	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.2283	2.06	_____
OPERATOR LABOR	hour	11.60	0.5508	6.40	_____
UNALLOCATED LABOR	hour	11.57	0.4957	5.74	_____
DIESEL FUEL	gal	3.40	5.0092	17.04	_____
REPAIR & MAINTENANCE	acre	11.77	1.0000	11.77	_____
INTEREST ON OP. CAP.	acre	8.49	1.0000	8.49	_____

TOTAL DIRECT EXPENSES				403.23	_____
RETURNS ABOVE DIRECT EXPENSES				358.17	_____
TOTAL FIXED EXPENSES				31.22	_____

TOTAL SPECIFIED EXPENSES				434.45	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				326.95	_____

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 8.C Estimated resource use for field operations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2012

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				
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Spin Spreader	5 ton	2WD 150	0.042	1.00	Mar		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
NT Plant&Pre-Rigid	8R-30	2WD 150	0.105	1.00	Mar		0.10	0.10	0.21	0.09
Corn Seed BtRR	thous					28.0000				
Fert 10-34-0	cwt					0.5000				
Spray (Broadcast)	27'	2WD 150	0.062	1.00	Apr		0.06	0.06	0.09	0.05
Glyphosate 3lbs a.e.	pt					2.0000				
Lexar	pt					3.3000				
Fert Appl (Liquid)	8R-30	2WD 150	0.098	1.00	Apr		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					5.0000				
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	2WD 150	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn/Field	bu					135.0000				
Stalk Shredder	20'	2WD 150	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.55	0.55	0.77	0.49

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 8.D Estimated costs for field operations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----						FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER		
-----dollars-----									
Lime (Spread)	ton	22.00					0.94	22.94	22.94
App by Air (5 gal)	appl	5.75					0.16	5.91	5.91
Glyphosate 3lbs a.e.	pt	3.50					0.10	3.60	3.60
Clarity	pt	5.16					0.15	5.31	5.31
Spin Spreader	5 ton		1.10	0.42	1.31		0.07	2.90	1.46 4.36
DAP	cwt	35.28					0.87	36.15	36.15
Potash (60% K2O)	cwt	24.23					0.60	24.83	24.83
NT Plant&Pre-Rigid	8R-30		2.78	2.00	3.29		0.20	8.27	5.47 13.74
Corn Seed BtRR	thous	82.04					2.03	84.07	84.07
Fert 10-34-0	cwt	14.63					0.36	14.99	14.99
Spray (Broadcast)	27'		1.65	0.37	1.66		0.08	3.76	1.53 5.29
Glyphosate 3lbs a.e.	pt	3.50					0.07	3.57	3.57
Lexar	pt	18.88					0.40	19.28	19.28
Fert Appl (Liquid)	8R-30		2.58	1.36	2.61		0.14	6.69	3.28 9.97
UAN (32% N)	cwt	92.70					1.97	94.67	94.67
App by Air (3 gal)	appl	4.50					0.06	4.56	4.56
Intrepid 2F	oz	7.16					0.10	7.26	7.26
Header - Corn	8R-30		5.92	4.83	2.81		0.05	13.61	15.32 28.93
Grain Cart Corn	500 bu		0.84	0.30	0.70		0.01	1.85	1.03 2.88
Haul Corn/Field	bu	32.40					0.11	32.51	32.51
Stalk Shredder	20'		2.17	2.49	1.82		0.02	6.50	3.13 9.63
TOTALS		351.73	17.04	11.77	14.20	0.00	8.49	403.23	31.22 434.45

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 8.E Estimated monthly income and expense flows per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2012

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	761.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	4.50	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	74.14	92.70	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.66	0.00	22.38	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	7.16	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	82.04	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.40
CUSTOM LIME	22.00	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	4.60	4.27	0.00	0.00	0.00	0.00	5.33
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	3.88	4.23	0.00	0.00	0.00	0.00	8.93
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	2.42	1.73	0.00	0.00	0.00	0.00	7.62
INTEREST ON OP. CAP.	0.94	0.00	0.00	0.00	0.41	4.13	2.66	0.00	0.16	0.00	0.00	0.19
TOTAL DIRECT EXPENSES	22.94	0.00	0.00	0.00	14.82	171.21	127.97	0.00	11.82	0.00	0.00	54.47
NET INCOME	-22.94	0.00	0.00	0.00	-14.82	-171.21	-127.97	0.00	-11.82	0.00	0.00	706.93
NET INCOME TO DATE	-22.94	-22.94	-22.94	-22.94	-37.76	-208.97	-336.94	-336.94	-348.76	-348.76	-348.76	358.17

Note: Cost of production estimates are based on 2011 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 8.F Estimated returns for various price/yield combinations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2012

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
	-----PRODUCT PRICE-----												
Corn	4.23	4.51	4.79	5.07	5.35	5.64	5.92	6.20	6.48	6.76	7.05		
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-101 -132	-82 -113	-63 -94	-44 -75	-25 -56	-6 -37	12 -18	31 0	50 19	69 38	88 57
60	81.00	bu	-47 -78	-24 -55	-1 -33	20 -10	43 12	66 35	89 58	112 81	135 103	157 126	180 149
70	94.50	bu	6 -24	32 1	59 28	86 54	112 81	139 108	166 134	192 161	219 188	246 214	272 241
80	108.00	bu	60 28	90 59	121 89	151 120	181 150	212 181	242 211	273 242	303 272	334 302	364 333
90	121.50	bu	113 82	148 117	182 151	216 185	251 219	285 254	319 288	353 322	388 356	422 391	456 425
100	135.00	bu	167 136	205 174	243 212	282 250	320 288	358 326	396 365	434 403	472 441	510 479	548 517
110	148.50	bu	221 190	263 232	305 274	347 316	389 357	431 399	472 441	514 483	556 525	598 567	640 609
120	162.00	bu	275 244	321 289	366 335	412 381	458 427	503 472	549 518	595 564	641 609	686 655	732 701
130	175.50	bu	329 298	378 347	428 397	477 446	527 496	576 545	626 595	675 644	725 694	774 743	824 793
140	189.00	bu	383 352	436 405	489 458	543 511	596 565	649 618	703 671	756 725	809 778	862 831	916 884
150	202.50	bu	437 405	494 462	551 520	608 577	665 634	722 691	779 748	836 805	893 862	951 919	1008 976

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 2011 input prices.

Table 9.A Estimated costs per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Custom Spray	acre	6.50	1.0000	6.50	_____
FERTILIZERS					
DAP	cwt	32.46	0.7600	24.67	_____
Potash (60% K2O)	cwt	29.19	0.5800	16.93	_____
UAN (32% N)	cwt	18.54	3.0690	56.90	_____
HERBICIDES					
Bicep II Magnum	qt	11.01	3.0000	33.03	_____
SEED/PLANTS					
Sorghum Concept	lb	1.82	6.0000	10.92	_____
HAULING					
Haul Sorghum/Field	bu	0.24	100.0000	24.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.3434	3.98	_____
Harvesters	hour	11.60	0.1021	1.19	_____
HAND LABOR					
Implements	hour	9.06	0.1756	1.59	_____
UNALLOCATED LABOR	hour	11.59	0.4010	4.65	_____
DIESEL FUEL					
Tractors	gal	3.40	3.0053	10.23	_____
Harvesters	gal	3.40	1.3935	4.74	_____
REPAIR & MAINTENANCE					
Implements	acre	4.35	1.0000	4.35	_____
Tractors	acre	1.46	1.0000	1.46	_____
Harvesters	acre	2.56	1.0000	2.56	_____
INTEREST ON OP. CAP.	acre	4.31	1.0000	4.31	_____
TOTAL DIRECT EXPENSES				234.01	_____
FIXED EXPENSES					
Implements	acre	8.52	1.0000	8.52	_____
Tractors	acre	9.28	1.0000	9.28	_____
Harvesters	acre	10.27	1.0000	10.27	_____
TOTAL FIXED EXPENSES				28.07	_____
TOTAL SPECIFIED EXPENSES				262.08	_____

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 9.B Summary of estimated costs and returns per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grain Sorghum	bu	5.36	100.0000	536.00	_____

TOTAL INCOME				536.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	6.50	1.0000	6.50	_____
FERTILIZERS	acre	98.50	1.0000	98.50	_____
HERBICIDES	acre	33.03	1.0000	33.03	_____
SEED/PLANTS	acre	10.92	1.0000	10.92	_____
HAULING	acre	24.00	1.0000	24.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.1756	1.59	_____
OPERATOR LABOR	hour	11.60	0.4456	5.17	_____
UNALLOCATED LABOR	hour	11.59	0.4010	4.65	_____
DIESEL FUEL	gal	3.40	4.3989	14.97	_____
REPAIR & MAINTENANCE	acre	8.37	1.0000	8.37	_____
INTEREST ON OP. CAP.	acre	4.31	1.0000	4.31	_____

TOTAL DIRECT EXPENSES				234.01	_____
RETURNS ABOVE DIRECT EXPENSES				301.99	_____
TOTAL FIXED EXPENSES				28.07	_____

TOTAL SPECIFIED EXPENSES				262.08	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				273.92	_____

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 9.C Estimated resource use for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2012

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/Field	bu					100.0000				
TOTALS							0.44	0.44	0.62	0.40

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 9.D Estimated costs for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Spin Spreader	5 ton		1.25	0.45	1.31			0.06	3.07	1.69	4.76
DAP	cwt	24.67						0.52	25.19		25.19
Potash (60% K20)	cwt	16.93						0.36	17.29		17.29
Disk Harrow	24'		2.44	1.10	1.80			0.11	5.45	3.82	9.27
Field Cultivate Fld	32'		1.39	0.58	1.03			0.06	3.06	2.90	5.96
Plant - Rigid	12R-20		2.81	1.78	2.92			0.13	7.64	5.24	12.88
Sorghum Concept	lb	10.92						0.19	11.11		11.11
Custom Spray	acre	6.50						0.12	6.62		6.62
Bicep II Magnum	qt	33.03						0.58	33.61		33.61
Fert Appl (Liquid)	12R-30		2.34	1.30	2.09			0.10	5.83	3.23	9.06
UAN (32% N)	cwt	56.90						1.01	57.91		57.91
Header Wheat/Sorghum	25' Rigid		4.74	3.16	2.26			0.04	10.20	11.19	21.39
Haul Sorghum/Field	bu	24.00						0.09	24.09		24.09
TOTALS		194.95	14.97	8.37	11.41	0.00	4.31	234.01	28.07	262.08	

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 9.E Estimated monthly income and expense flows per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2012

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	536.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	41.60	56.90	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.03	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.92	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	24.00
CUSTOM LIME	22.00	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	4.14	5.01	0.00	0.00	0.00	2.26
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	5.08	5.15	0.00	0.00	0.00	4.74
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.13	3.08	0.00	0.00	0.00	3.16
INTEREST ON OP. CAP.	0.94	0.00	0.00	0.00	0.00	0.00	1.11	2.13	0.00	0.00	0.00	0.13
TOTAL DIRECT EXPENSES	22.94	0.00	0.00	0.00	0.00	0.00	54.06	122.72	0.00	0.00	0.00	34.29
NET INCOME	-22.94	0.00	0.00	0.00	0.00	0.00	-54.06	-122.72	0.00	0.00	0.00	501.71
NET INCOME TO DATE	-22.94	-22.94	-22.94	-22.94	-22.94	-22.94	-77.00	-199.72	-199.72	-199.72	-199.72	301.99

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 9.F Estimated returns for various price/yield combinations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2012

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
Grain Sorghum			4.02	4.28	4.55	4.82	5.09	5.36	5.62	5.89	6.16	6.43	6.70
PERCENT	YIELD	UNIT	dollars										
50	50.00	bu	-20	-7	5	19	32	46	59	72	86	99	113
			-49	-35	-22	-8	4	17	31	44	58	71	84
60	60.00	bu	16	32	48	65	81	97	113	129	145	161	177
			-11	4	20	36	53	69	85	101	117	133	149
70	70.00	bu	54	73	92	110	129	148	167	185	204	223	242
			26	45	64	82	101	120	139	157	176	195	214
80	80.00	bu	92	113	135	156	178	199	221	242	263	285	306
			64	85	107	128	150	171	192	214	235	257	278
90	90.00	bu	130	154	178	202	226	250	274	299	323	347	371
			102	126	150	174	198	222	246	270	295	319	343
100	100.00	bu	167	194	221	248	275	301	328	355	382	409	435
			139	166	193	220	247	273	300	327	354	381	407
110	110.00	bu	205	235	264	294	323	353	382	412	441	471	500
			177	207	236	266	295	325	354	384	413	443	472
120	120.00	bu	243	275	307	340	372	404	436	468	500	533	565
			215	247	279	311	344	376	408	440	472	504	537
130	130.00	bu	281	316	351	385	420	455	490	525	560	594	629
			253	288	322	357	392	427	462	497	532	566	601
140	140.00	bu	319	356	394	431	469	506	544	581	619	656	694
			291	328	366	403	441	478	516	553	591	628	666
150	150.00	bu	356	397	437	477	517	557	598	638	678	718	758
			328	369	409	449	489	529	570	610	650	690	730

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 2011 input prices.

Table 10.A Estimated costs per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	3.0000	17.25	_____
FERTILIZERS					
DAP	cwt	32.46	1.0000	32.46	_____
Potash (60% K2O)	cwt	29.19	0.7500	21.89	_____
Fert 41-0-0-4	cwt	21.88	2.8000	61.26	_____
FUNGICIDES					
Quilt	pt	16.88	0.8750	14.77	_____
HERBICIDES					
Osprey	oz	3.05	4.7500	14.49	_____
Harmony Extra SG	oz	12.50	0.9000	11.25	_____
SEED/PLANTS					
Wheat Seed Private	lb	0.32	90.0000	28.80	_____
ADJUVANTS					
Surfactant	pt	2.62	1.6000	4.19	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	6.25	2.8000	17.50	_____
HAULING					
Haul Wheat/Field	bu	0.24	70.0000	16.80	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.2648	3.07	_____
Harvesters	hour	11.60	0.1021	1.19	_____
HAND LABOR					
Implements	hour	9.06	0.1363	1.23	_____
UNALLOCATED LABOR	hour	11.61	0.2936	3.41	_____
DIESEL FUEL					
Tractors	gal	3.40	2.3178	7.89	_____
Harvesters	gal	3.40	1.3935	4.74	_____
REPAIR & MAINTENANCE					
Implements	acre	3.03	1.0000	3.03	_____
Tractors	acre	1.13	1.0000	1.13	_____
Harvesters	acre	2.56	1.0000	2.56	_____
INTEREST ON OP. CAP.	acre	6.79	1.0000	6.79	_____
TOTAL DIRECT EXPENSES				297.70	_____
FIXED EXPENSES					
Implements	acre	6.72	1.0000	6.72	_____
Tractors	acre	7.16	1.0000	7.16	_____
Harvesters	acre	10.27	1.0000	10.27	_____
TOTAL FIXED EXPENSES				24.15	_____
TOTAL SPECIFIED EXPENSES				321.85	_____

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 10.B Summary of estimated costs and returns per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	6.29	70.0000	440.30	_____

TOTAL INCOME				440.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	17.25	1.0000	17.25	_____
FERTILIZERS	acre	115.61	1.0000	115.61	_____
FUNGICIDES	acre	14.77	1.0000	14.77	_____
HERBICIDES	acre	25.74	1.0000	25.74	_____
SEED/PLANTS	acre	28.80	1.0000	28.80	_____
ADJUVANTS	acre	4.19	1.0000	4.19	_____
CUSTOM FERTILIZE	acre	17.50	1.0000	17.50	_____
HAULING	acre	16.80	1.0000	16.80	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.1363	1.23	_____
OPERATOR LABOR	hour	11.60	0.3670	4.26	_____
UNALLOCATED LABOR	hour	11.61	0.2936	3.41	_____
DIESEL FUEL	gal	3.40	3.7114	12.63	_____
REPAIR & MAINTENANCE	acre	6.72	1.0000	6.72	_____
INTEREST ON OP. CAP.	acre	6.79	1.0000	6.79	_____

TOTAL DIRECT EXPENSES				297.70	_____
RETURNS ABOVE DIRECT EXPENSES				142.60	_____
TOTAL FIXED EXPENSES				24.15	_____

TOTAL SPECIFIED EXPENSES				321.85	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				118.45	_____

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 10.C Estimated resource use for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2012

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/Field	bu					70.0000				
TOTALS							0.36	0.36	0.50	0.29

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 10.D Estimated costs for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----						FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER			
-----dollars-----										
Lime (Spread)	ton	22.00					0.78	22.78		22.78
Disk Harrow	24'		2.44	1.10	1.71		0.19	5.44	3.82	9.26
Spin Spreader	5 ton		1.25	0.45	1.26		0.10	3.06	1.69	4.75
DAP	cwt	32.46					1.15	33.61		33.61
Potash (60% K2O)	cwt	21.89					0.78	22.67		22.67
Field Cultivate Fld	32'		1.39	0.58	0.97		0.10	3.04	2.90	5.94
Grain Drill	20'		2.81	1.43	2.82		0.23	7.29	4.55	11.84
Wheat Seed Private	lb	28.80					0.92	29.72		29.72
App by Air (5 gal)	appl	5.75					0.16	5.91		5.91
Osprey	oz	14.49					0.41	14.90		14.90
Surfactant	pt	3.93					0.11	4.04		4.04
App Fert by Air	cwt	8.75					0.15	8.90		8.90
Fert 41-0-0-4	cwt	30.63					0.54	31.17		31.17
App by Air (5 gal)	appl	5.75					0.10	5.85		5.85
Harmony Extra SG	oz	11.25					0.20	11.45		11.45
Surfactant	pt	0.26						0.26		0.26
App Fert by Air	cwt	8.75					0.12	8.87		8.87
Fert 41-0-0-4	cwt	30.63					0.43	31.06		31.06
App by Air (5 gal)	appl	5.75					0.06	5.81		5.81
Quilt	pt	14.77					0.16	14.93		14.93
Header Wheat/Sorghum	25' Rigid		4.74	3.16	2.14		0.04	10.08	11.19	21.27
Haul Wheat/Field	bu	16.80					0.06	16.86		16.86
TOTALS		262.66	12.63	6.72	8.90	0.00	6.79	297.70	24.15	321.85

Note: Cost of production estimates are based on 2011 input prices.
Fertilization decisions should be based on soil tests.

Table 10.E Estimated monthly income and expense flows per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2012

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	440.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	5.75	0.00	5.75	0.00	0.00
FERTILIZERS	0.00	0.00	54.35	0.00	0.00	0.00	0.00	30.63	30.63	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	14.77	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	14.49	0.00	0.00	11.25	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	28.80	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	3.93	0.00	0.00	0.26	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.75	8.75	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	16.80
CUSTOM LIME	0.00	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	3.94	2.82	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	5.08	2.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.74
REPAIR & MAINTENANCE	0.00	0.00	2.13	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16
INTEREST ON OP. CAP.	0.00	0.00	3.10	1.15	0.68	0.00	0.00	0.99	0.55	0.22	0.00	0.10
TOTAL DIRECT EXPENSES	0.00	0.00	90.60	37.01	24.85	0.00	0.00	57.63	39.93	20.74	0.00	26.94
NET INCOME	0.00	0.00	-90.60	-37.01	-24.85	0.00	0.00	-57.63	-39.93	-20.74	0.00	413.36
NET INCOME TO DATE	0.00	0.00	-90.60	-127.61	-152.46	-152.46	-152.46	-210.09	-250.02	-270.76	-270.76	142.60

Note: Cost of production estimates are based on 2011 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 10.F Estimated returns for various price/yield combinations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2012

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Wheat			4.71	5.03	5.34	5.66	5.97	6.29	6.60	6.91	7.23	7.54	7.86
PERCENT	YIELD	UNIT	-----dollars-----										
50	35.00	bu	-124	-113	-102	-91	-80	-69	-58	-47	-36	-25	-14
			-148	-137	-126	-115	-104	-93	-82	-71	-60	-49	-38
60	42.00	bu	-92	-79	-66	-53	-39	-26	-13	-0	12	26	39
			-116	-103	-90	-77	-64	-50	-37	-24	-11	1	15
70	49.00	bu	-61	-46	-30	-15	0	15	30	46	61	77	92
			-85	-70	-54	-39	-23	-8	6	22	37	53	68
80	56.00	bu	-30	-12	5	22	40	57	75	93	110	128	145
			-54	-36	-19	-1	16	33	51	68	86	104	121
90	63.00	bu	1	21	40	60	80	100	120	139	159	179	199
			-22	-3	16	36	56	76	95	115	135	155	175
100	70.00	bu	32	54	76	98	120	142	164	186	208	230	252
			8	30	52	74	96	118	140	162	184	206	228
110	77.00	bu	63	88	112	136	160	184	209	233	257	281	306
			39	63	88	112	136	160	185	209	233	257	281
120	84.00	bu	95	121	148	174	200	227	253	280	306	332	359
			71	97	123	150	176	203	229	255	282	308	335
130	91.00	bu	126	155	183	212	241	269	298	326	355	384	412
			102	131	159	188	216	245	274	302	331	359	388
140	98.00	bu	157	188	219	250	281	311	342	373	404	435	466
			133	164	195	226	257	287	318	349	380	411	441
150	105.00	bu	189	222	255	288	321	354	387	420	453	486	519
			165	198	231	264	297	330	363	396	429	462	495

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2011 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, 2012

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	241,000	300	8	13.64	11.60	46.37	25.10	83.08	100.53	183.61
Combine (300-349 hp)	325 hp	269,000	300	8	16.73	11.60	56.88	28.02	96.50	112.22	208.72
Combine (350-399 hp)	355 hp	288,000	300	8	18.27	11.60	62.11	30.00	103.71	120.14	223.86
Combine (400-449 hp)	425 hp	321,000	300	8	21.87	11.60	74.37	33.43	119.41	133.91	253.32
Combine (450-499hp)	475 hp	342,000	300	8	24.44	11.60	83.12	35.62	130.35	142.67	273.02
Cotton Stripper	173 hp	157,000	200	8	8.08	11.60	27.47	24.53	63.60	98.24	161.84
Tractor(20-39hp)CB	MFWD 30	24,700	600	8	1.54	11.60	5.24	0.77	17.62	4.72	22.34
Tractor(20-39hp)RB	MFWD 30	19,000	600	8	1.54	11.60	5.24	0.59	17.44	3.63	21.07
Tractor(40-59hp)CB	2WD 50	31,500	600	8	2.57	11.60	8.75	0.98	21.33	6.02	27.36
Tractor(40-59hp)CB	MFWD 50	32,900	600	8	2.57	11.60	8.75	1.02	21.37	6.29	27.67
Tractor(40-59hp)RB	2WD 50	25,500	600	8	2.57	11.60	8.75	0.79	21.14	4.87	26.02
Tractor(40-59hp)RB	MFWD 50	30,100	600	8	2.57	11.60	8.75	0.94	21.29	5.75	27.04
Tractor(60-89hp)CB	2WD 75	42,100	600	8	3.86	11.60	13.12	1.31	26.04	8.05	34.09
Tractor(60-89hp)CB	MFWD 75	46,600	600	8	3.86	11.60	13.12	1.45	26.18	8.91	35.09
Tractor(60-89hp)RB	2WD 75	35,600	600	8	3.86	11.60	13.12	1.11	25.83	6.80	32.64
Tractor(60-89hp)RB	MFWD 75	39,300	600	8	3.86	11.60	13.12	1.22	25.95	7.51	33.47
Tractor(90-119hp)CB	2WD 105	65,300	600	8	5.40	11.60	18.37	2.04	32.01	12.49	44.50
Tractor(90-119hp)CB	MFWD 105	69,600	600	8	5.40	11.60	18.37	2.17	32.15	13.31	45.46
Tractor(90-119hp)RB	2WD 105	52,700	600	8	5.40	11.60	18.37	1.64	31.62	10.08	41.70
Tractor(90-119hp)RB	MFWD 105	55,500	600	8	5.40	11.60	18.37	1.73	31.71	10.61	42.32
Tractor(120-139hp)CB	2WD 130	97,500	600	8	6.69	11.60	22.75	3.04	37.39	18.65	56.04
Tractor(120-139hp)CB	MFWD 130	98,000	600	8	6.69	11.60	22.75	3.06	37.41	18.74	56.15
Tractor(140-159hp)CB	2WD 150	113,000	600	8	7.72	11.60	26.25	3.53	41.38	21.61	62.99
Tractor(140-159hp)CB	MFWD 150	122,000	600	8	7.72	11.60	26.25	3.81	41.66	23.33	65.00
Tractor(160-179hp)CB	2WD 170	119,000	600	8	8.75	11.60	29.75	3.71	45.06	23.79	68.86
Tractor(160-179hp)CB	MFWD 170	135,000	600	8	8.75	11.60	29.75	4.21	45.56	26.99	72.56
Tractor(180-199hp)CB	MFWD 190	143,000	600	8	9.77	11.60	33.25	4.46	49.32	28.59	77.91
Tractor(200-249hp)CB	MFWD 225	191,000	600	8	11.58	11.60	39.37	5.96	56.94	38.18	95.13
Tractor(200-249hp)CB	Track 225	212,000	600	8	11.58	11.60	39.37	6.62	57.60	42.38	99.98
Tractor(250-349hp)CB	4WD 300	211,000	600	8	15.44	11.60	52.50	6.59	70.69	42.18	112.88
Tractor(250-349hp)CB	MFWD 300	246,000	600	8	15.44	11.60	52.50	7.68	71.78	49.18	120.97
Tractor(250-349hp)CB	Track 300	225,000	600	8	15.44	11.60	52.50	7.03	71.13	44.98	116.11
Tractor(350-449hp)CB	4WD 400	245,000	600	8	20.58	11.60	70.00	7.65	89.25	48.98	138.24
Tractor(350-449hp)CB	Track 400	305,000	600	8	20.58	11.60	70.00	9.53	91.13	60.98	152.11
Tractor(450-550hp)CB	4WD 500	294,000	600	8	25.73	11.60	87.50	9.18	108.28	58.78	167.07
Tractor(450-550hp)CB	Track 500	347,000	600	8	25.73	11.60	87.50	10.84	109.94	69.37	179.32
Utility Vehicle	500 CC	6,500	200	8	0.40	11.60	1.40	1.01	14.01	4.06	18.08
Utility Vehicle	800 CC	7,600	200	8	0.70	11.60	2.45	1.18	15.23	4.75	19.99
Utility Vehicle-mule	600 CC	9,800	200	8	0.50	11.60	1.75	1.53	14.88	6.13	21.01

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, 2012

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	75,218	0	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker	4R-30(350)	350,000	200	8	18.01	0.327	6.76	20.05	17.90	44.71	71.70	116.42
Cotton Picker	4R-38(255)	267,000	200	8	13.12	0.257	5.32	11.50	10.75	27.58	43.06	70.65
Cotton Picker	4R-38(350)	351,000	200	8	18.01	0.257	5.32	15.78	14.13	35.25	56.61	91.87
Cotton Picker	4R2x1(350)	274,000	200	8	18.01	0.172	3.55	10.55	7.37	21.49	29.54	51.03
Cotton Picker	6R-30(355)	429,000	200	8	18.27	0.218	4.50	13.55	14.62	32.69	58.58	91.28
Cotton Picker	6R-38(355)	429,000	200	8	18.27	0.172	3.55	10.70	11.55	25.81	46.25	72.07
Cotton Picker/Module	4R-38(365)	470,000	200	8	18.78	0.257	5.32	16.46	18.93	40.72	75.81	116.53
Cotton Picker/Module	6R-30(365)	521,000	200	8	18.78	0.218	4.50	13.94	17.76	36.21	71.15	107.37
Cotton Picker/Module	6R-30(500)	600,000	200	8	25.73	0.218	4.50	19.09	20.46	44.06	81.94	126.01
Cotton Picker/Module	6R-38(365)	523,000	200	8	18.78	0.172	3.55	11.00	14.08	28.64	56.39	85.03
Cotton Picker/Module	6R-38(500)	601,000	200	8	25.73	0.172	3.55	15.07	16.18	34.81	64.80	99.62
Dry Applicator SP	70'300cuft	282,000	350	8	16.98	0.015	0.24	0.87	0.22	1.34	1.52	2.86
Sprayer 110Gal	30' 50hp	40,300	350	8	2.41	0.035	0.56	0.29	0.07	0.93	0.50	1.44
Sprayer 300-450gal	60' 125hp	98,100	350	8	5.66	0.017	0.28	0.33	0.09	0.71	0.61	1.33
Sprayer 300-450gal	80' 125hp	102,000	350	8	6.43	0.013	0.21	0.28	0.07	0.57	0.48	1.05
Sprayer 600-750gal	60' 175hp	154,000	350	8	9.00	0.017	0.28	0.53	0.14	0.96	0.97	1.94
Sprayer 600-825gal	80' 175hp	154,000	350	8	11.81	0.013	0.21	0.53	0.10	0.85	0.72	1.58
Sprayer 600-825gal	90' 250hp	223,000	350	8	12.73	0.011	0.18	0.50	0.14	0.83	0.93	1.77
Sprayer 800gal	100' 250hp	224,000	350	8	14.15	0.010	0.17	0.50	0.12	0.80	0.84	1.65
Sprayer 800gal	80' 250hp	213,000	350	8	12.86	0.013	0.21	0.57	0.15	0.94	1.00	1.94
Sprayer 1000-1400gal	90' 275hp	256,000	350	8	14.15	0.010	0.17	0.50	0.14	0.82	0.96	1.79
Sprayer 1000gal	100' 300hp	257,000	350	8	15.44	0.010	0.17	0.55	0.14	0.87	0.97	1.84
Sprayer 1200+gal	120' 300hp	266,000	350	8	15.44	0.008	0.14	0.46	0.12	0.73	0.83	1.56
Utility Vehicle	20'	11,100	200	8	0.50	0.052	0.85	0.09	0.09	1.03	0.36	1.40
Utility Vehicle	75"ropewic	7,100	200	8	0.40	0.170	2.75	0.23	0.18	3.17	0.75	3.93

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, 2012 (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-----							
Stalk Shredder-Flail	15'	MFWD 150	18,700	200	10	0.110	1.27	2.88	1.79	0.41	6.38	1.10	2.56	10.05
Stalk Shredder-Flail	18'	MFWD 150	23,100	200	10	0.091	1.06	2.40	1.85	0.34	5.67	1.13	2.13	8.94
Stalk Shredder-Flail	20'	MFWD 150	24,100	200	10	0.082	0.95	2.16	1.73	0.31	5.17	1.06	1.92	8.17
Stalk Shredder-Flail	25'	MFWD 150	31,400	200	10	0.066	0.76	1.73	1.81	0.25	4.56	1.11	1.54	7.21
Strip Till	12R-30	MFWD 225	28,600	150	10	0.061	0.71	2.42	0.76	0.36	4.27	1.26	2.35	7.88
Subsoiler	3 shank	MFWD 190	3,250	100	15	0.204	2.37	6.79	0.22	0.91	10.29	0.56	5.84	16.70
Subsoiler	4 shank	MFWD 225	7,340	100	15	0.153	1.78	6.04	0.37	0.91	9.12	0.95	5.86	15.94
Subsoiler	5 shank	MFWD 225	7,070	100	15	0.122	1.41	4.81	0.28	0.73	7.25	0.72	4.67	12.65
Subsoiler low-till	4 shank	MFWD 225	1,060	100	15	0.153	1.78	6.04	0.05	0.91	8.80	0.13	5.86	14.80
Subsoiler low-till	6 shank	MFWD 225	15,100	100	15	0.102	1.18	4.02	0.51	0.60	6.33	1.30	3.90	11.53
Subsoiler low-till	8 shank	MFWD 225	19,250	100	15	0.076	0.88	3.01	0.49	0.45	4.84	1.24	2.92	9.01

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, 2012

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANTS			Enable 2F	oz	1.90
Crop Oil Conc.(Pet.)	pt	1.55	Folicur 3.6	oz	1.08
Crop Oil Conc.(Veg.)	pt	3.36	Gem 25 WG	oz	3.70
Drift/Defoamer	pt	5.75	Headline EC	oz	2.66
Spreader Sticker	pt	3.78	Manzate 75 DF	lb	3.49
Surfactant	pt	2.62	Manzate Flowable	pt	4.60
CLEANING			Moncut 70 DF	lb	24.85
Cleaning Peanuts	ton	18.00	Prevail	lb	28.25
CROP CONSULTANT			Provost	oz	2.16
Crop Consultant	acre	5.00	Quadris	oz	2.24
Rice Consultant	acre	7.00	Quadris Ridomil Gold	oz	3.26
CUSTOM FERTILIZE			Quilt	pt	16.88
App Fert by Air	cwt	6.25	Quilt XCEL	pt	22.06
App Fert by Air(Min)	appl	6.25	Ridomil Gold	oz	6.25
Custom Apply Fert	acre	7.00	Ridomil Gold PC GR	lb	2.35
CUSTOM LIME			Rovral 4F	pt	16.88
Lime (Spread)	ton	44.00	Stiletto	oz	0.56
CUSTOM PLANT			Stratego	pt	19.31
Custom Plant	acre	7.00	Terrachlor 2EC	pt	1.87
Custom Plant Air	cwt	6.25	Tilt 3.6 EC	oz	1.25
CUSTOM SPRAY			Tilt/ Bravo SE	oz	0.30
App by Air (2 gal)	appl	3.75	Uniform	oz	3.07
App by Air (3 gal)	appl	4.50	Vitavax RTU-Thiram	oz	0.35
App by Air (5 gal)	appl	5.75	GINNING		
App by Air (10 gal)	appl	7.75	Gin & Haul	lb	0.09
Custom Spray	acre	6.50	GROWTH REGULATORS		
DRYING			Early Harvest PGR	oz	1.55
Dry Corn	bu	0.19	Mepex	oz	0.08
Dry Grain Sorghum	cwt	0.25	Mepex Gin Out	oz	0.14
Dry Peanuts	ton	24.00	Mepiquat	oz	0.08
Dry Rice	bu	0.40	Mepiquat Extra	oz	0.09
ERADICATION FEE			Pentia	pt	4.44
Eradication	acre	1.50	Stance	oz	1.15
FERTILIZERS			SuperBoll	pt	3.00
Amm Nitrate (34% N)	cwt	20.58	HARVEST AIDS		
Amm Sulfate (21% N)	cwt	18.90	Adios	oz	1.29
Amm Sulfate dry/mix	lb	0.28	Aim 2EC	oz	6.70
Boron 15G	lb	0.40	Ammonium Sulfate	lb	0.28
Boron Plus	pt	4.00	Boll Buster	pt	3.27
DAP	cwt	32.46	CottonQuik	pt	4.25
Fert 10-34-0	cwt	29.25	Def 6	pt	7.34
Fert 11-37-0	cwt	30.25	Def/Folex	pt	7.92
Fert 30-0-0-5	cwt	18.32	Defol 3	gal	3.00
Fert 33-0-0-12s	cwt	21.50	Defol 5	gal	5.95
Fert 41-0-0-4	cwt	21.88	Defol 750	pt	1.24
Lime	ton	34.00	Dropp SC	oz	1.74
MAP	cwt	33.33	ET	pt	46.88
Phosphorus(46% P2O5)	cwt	28.65	Ethephon 6E	pt	3.55
Potash (60% K2O)	cwt	29.19	Finish 6	pt	7.29
Sulfur 90%	lb	0.30	First Pick	pt	3.12
Sulfur Plus	pt	2.37	Folex 6EC	pt	8.49
SuperMax AMS	pt	2.47	Freefall SC	oz	1.41
UAN (32% N)	cwt	18.54	Ginstar EC	pt	27.36
UAN + Sulfur (28%)	cwt	18.54	Gramoxone Inteon	oz	0.30
Urea, Solid (46% N)	cwt	22.29	Prep	pt	3.00
Zinc Plus	pt	2.62	Shed-a-leaf	gal	3.60
Zinc Sulfate 31%	lb	0.55	Sodium Chlorate 3L	gal	3.00
FUNGICIDES			Sodium Chlorate 5L	gal	5.95
Abound	pt	31.25	TDZ SC	oz	1.37
Absolute 500SC	pt	53.42	Thidiazuron 4lb	oz	1.41
Allegiance Flowable	pt	50.63	Tribufos 6lb	pt	7.92
Apron Maxx RTA	oz	0.83	HAULING		
Apron Maxx RTA+Moly	pt	14.84	Haul Corn/Bin	bu	0.16
Apron XL LS	oz	8.51	Haul Corn/Field	bu	0.24
Artisan	oz	0.85	Haul Cotton	lb	0.02
Bravo Ultrex	lb	6.83	Haul Peanuts	ton	14.50
Bravo Weather Stick	pt	3.72	Haul Rice/Bin	bu	0.32
Captan 50 WP	lb	5.05	Haul Rice/Field	bu	0.26
Cotton Seed Trt.	acre	20.00	Haul Sorghum/Bin	bu	0.16
Dithane F-45	qt	8.13			
Dithane Rainshield	lb	2.25			

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2012(continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Haul Sorghum/Field	bu	0.24	Fusilade DX	oz	1.13
Haul Soybeans/Bin	bu	0.16	Fusion	pt	24.31
Haul Soybeans/Field	bu	0.24	Glyfos	pt	1.66
Haul Wheat/Bin	bu	0.16	Glyfos Xtra	pt	1.56
Haul Wheat/Field	bu	0.24	Glyphosate 3lbs a.e.	pt	1.75
HERBICIDES			Glyphosate 3lbs a.e.	oz	0.11
2,4-D Amine 4	pt	2.01	Glystar	pt	1.66
2,4-D LV 4Ester	pt	2.31	Glystar Plus	pt	1.56
2,4-D Weedar 64	pt	1.99	Goal 2XL	pt	9.31
2,4-DB 200	pt	4.34	Gramoxone Inteon	oz	0.25
AAtrex 4L	pt	2.12	Grandstand R	qt	24.63
AAtrex NINE-0	lb	4.60	Guardzman Max	pt	6.66
Accent Q	oz	28.05	Halex GT	pt	5.00
Accent SP	oz	36.25	Harmony Extra SG	oz	12.50
Aim 2EC	oz	10.38	Harmony Extra XP	oz	14.40
Assure II	oz	0.84	Harmony GT	oz	19.35
Atrazine 4L	pt	2.04	Harness	pt	11.88
Atrazine 90DF	lb	4.25	Harness XTRA	pt	7.31
Axial	pt	14.94	Hoelon 3EC	pt	11.03
Axiom 68DF	lb	26.95	Hornet WDG	lb	65.62
Banvel	pt	4.94	Ignite 280	oz	0.40
Basagran	pt	11.69	Impact	oz	18.25
Basis	oz	17.50	Karmex XP	lb	6.50
Beacon 75% WSP	oz	34.87	Lariat	qt	5.71
Beyond	oz	4.20	Layby Pro	qt	12.75
Bicep II Magnum	qt	11.01	Lexar	pt	5.72
Bicep Lite Magnum	pt	7.07	Lightning	oz	14.25
Blazer Ultra	pt	8.94	Linex 4L	pt	8.87
Bolero 8EC	pt	6.50	Londax 60DF	oz	14.50
Boundary 6.5 EC	pt	8.72	Lorox 50DF	lb	18.83
Buccaneer Plus	pt	1.81	Makaze	pt	1.50
Buctril 4EC	pt	17.06	MSMA 6.6	pt	2.69
Bullet	pt	2.97	MSMA6 Plus	pt	2.81
Butoxone	pt	4.12	Newpath 2SL	oz	3.29
Butyrac 200 (2,4-DB)	pt	3.84	Option	oz	9.95
Cadre	oz	3.16	Ordram 15-GM	lb	1.34
Callisto 4SC	oz	4.77	Osprey	oz	3.05
Canopy 75%	oz	3.13	Outlook	pt	20.63
Canopy EX	oz	6.50	Parrlay	pt	8.13
Caparol 4L	pt	3.59	Peak Accu Pak	oz	13.75
Celebrity Plus	lb	84.50	Permit 75 DF	oz	17.88
Clarity	pt	10.31	Poast 1.53	pt	10.22
Classic	oz	15.28	Poast Plus	pt	7.84
Clearpath	lb	50.00	Prefix	pt	6.14
Clincher SF	oz	1.97	Propimax EC	pt	
Cobra 2EC	oz	1.30	Prowl 3.3 EC	pt	4.29
Command 3ME	pt	14.75	Prowl H20	pt	5.13
Cornerstone Plus	pt	1.50	Pursuit 2S	oz	4.73
Cotoran 4L	pt	4.69	Python WDG	oz	12.44
Cotton Pro	pt	3.44	Raptor	oz	4.62
Credit Extra	pt	1.69	Reflex 2LC	pt	15.44
Direx 4L	pt	3.00	Regiment 80WP	oz	36.63
Diuron 4L	pt	3.28	Remedy Ultra	pt	11.86
Diuron 80 DF	lb	5.25	Resolve SG	oz	7.20
Diuron 80%	lb	5.25	Resource .86EC	pt	24.30
Dual II Magnum	pt	12.25	Ricebeaux	pt	5.04
Dual Magnum	pt	12.25	RicePro	pt	4.94
Duet	pt	4.45	Riceshot	pt	3.34
Envoke	oz	83.08	Ricestar HT	pt	20.59
Equip	oz	10.65	Rifel	pt	4.38
Evik DF 80W	lb	9.75	Roundup Power Max	oz	0.14
Exceed	oz	10.71	Roundup PowerMax	pt	2.28
Expert	pt	3.69	Roundup WeatherMax	oz	0.21
Facet 75DF	lb	45.50	Roundup WeatherMax	pt	3.28
Finesse	oz	14.75	Salvo	pt	3.56
First Rate	oz	38.60	Scepter 70 DG	oz	3.91
Flexstar HL	pt	15.63	Select Max	pt	11.80
Fluometuron 4lb	pt	4.50	Sequence	pt	5.53
Frontier 6.0	oz	0.63			
Fultime	pt	4.56			(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2012 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Simazine 4L	pt	3.14	Imidan 70 WSB	oz	0.66
Stalwart	pt	6.25	Incidental Pest Trt	acre	12.00
Stam 80 EDF	lb	6.25	Intrepid 2F	oz	1.79
Stam M4	qt	6.69	Intruder 70WSP	oz	9.03
Staple LX	oz	7.35	Karate Z	oz	2.73
Steadfast	oz	23.95	Kelthane MF 4EC	pt	5.03
Sterling Blue	pt	9.81	Lannate LV	pt	9.56
Storm	pt	11.56	Lannate SP	oz	1.68
Strada WG	oz	6.30	Larvin 3.2	oz	0.60
Strongarm	oz	47.50	Leverage 2.7	oz	1.33
Superwham	qt	8.26	Lorsban 15G	lb	1.85
Suprend	lb	11.50	Lorsban 4E	pt	5.00
Surpass EC	qt	23.00	Malathion 5E	pt	4.44
Synchrony XP	oz	9.98	Malathion 8E	pt	5.50
Touchdown Total	qt	4.25	Methyl Parathion 4	pt	5.44
Treflan HFP	pt	3.12	Monitor 4	pt	16.33
Treflan TR-10	lb	0.92	Mustang Max	oz	1.43
Trifluralin 4EC	pt	3.19	Oberon 4 SC	pt	71.22
Ultra Blazer	pt	10.23	Orthene 90S	lb	3.25
Valor SX	oz	4.58	Penncap-M	pt	4.59
Valor XLT	oz	3.73	Phorate	lb	2.69
Whip 360	pt	25.08	Pounce 25WP	lb	10.63
Zorial Rapid 80DF	lb	13.95	Prolex	oz	2.62
INOCULANT			Provado 1.6F	oz	1.94
Nitrastick S	lbseed	0.02	Respect .8EC	pt	29.04
Optimize LIFT	oz	0.58	Sevin 4F	pt	5.22
INSECT SCOUTING			Sevin 80S	lb	7.35
Insect Scouting	acre	7.00	Sevin XLR Plus	qt	11.13
INSECTICIDES			Sniper	oz	0.70
Acephate 90%	lb	6.63	Steward	pt	28.13
Acephate 90SP	lb	6.63	Temik 15G Grit	lb	4.00
Acramite-4SC	oz	1.37	Temik 15G Gypsum	lb	3.90
Ambush 2E	oz	0.27	Thimet 20-G Lock N L	lb	3.10
Asana .66 XL	oz	0.71	Thionex 3 EC	pt	3.47
Aztec 2.1% G	lb	2.65	Thionex 50W	lb	8.20
Baythroid XL	oz	2.19	Tombstone Helios	pt	36.30
Bidrin 8WM	oz	0.91	Tracer 4SC	oz	8.20
Bidrin XP	oz	0.78	Trimax Pro	oz	2.30
Bifenture 2EC	pt	12.50	Tundra	oz	0.80
Brigade EC	pt	12.50	Vydate C-LV	oz	0.70
Brigade WSB	lb	21.00	Warrior Z	oz	1.80
Capture 2EC	oz	1.76	Wrangler	oz	1.70
Capture LFR	oz	1.80	Zeal	oz	14.50
Carbaryl 4L	pt	4.34	Zephyr	oz	2.20
Carbine 50WG	oz	5.11	IRRIGATION SUPPLIES		
Centric 40WG	oz	3.58	Roll-Out Pipe	ft	0.20
Comite 1l	pt	6.00	SEED/PLANTS		
Confirm 2F	oz	1.68	Corn Seed BtRR	thous	2.93
Counter 15G	lb	2.50	Corn Seed RR2	thous	2.78
Cruiser 5FS	oz	13.25	Corn Seed VT3	thous	2.97
Curacron 8E	pt	10.78	Corn Seed VT3Pro	thous	3.23
Cypermethrin	oz	0.47	Cotton Seed B2RF	thous	0.62
Delta Gold	pt	40.47	Cotton Seed LL	thous	1.05
Denim 0.16 EC	pt	27.19	Cotton Seed LLB2	thous	1.10
Di-Syston 15G	lb	3.48	Cotton Seed RF	thous	0.57
Di-Syston 8	pt	14.32	Cotton Seed W	thous	0.49
Diamond .83EC	pt	16.74	Cotton Seed WRF	thous	0.63
Dimethoate 4E	pt	5.50	Peanut Seed	lb	1.25
Dimilin 2L	oz	1.76	Rice Clearfield	lb	0.94
Dipel DF	lb	12.25	Rice Clearfield Hyb	lb	5.70
Dipel ES	pt	4.56	Rice Conv. Hybrid	lb	1.00
Discipline 2 EC	oz	0.78	Rice Seed (Levees)	lb	0.45
Endigo ZC	pt	26.25	Rice Seed CF(Levees)	lb	0.94
Fanfare 2EC	oz	0.78	Rice Seed CFH(Levee)	lb	5.70
Force 3G	lb	4.85	Rice Seed Conv.	lb	0.45
Furadan 4F	pt	9.81	Sorghum Concept	lb	1.82
Furadan 4FLFR	pt	9.70	Soybean Seed LL	lb	0.99
Gaicho 600	oz	5.75	Soybean Seed RR2	lb	0.98
Hero	pt	21.88	Wheat Seed Private	lb	0.32
Holster	pt	0.80			

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2012 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
SURVEY & MARK LEVEES			LLB2 Cot Tech Fee	thous	0.76
Survey & Mark Levees	acre	4.50	RF Cot Tech Fee	thous	1.04
Survey & Mark Levees	acre	4.50	RF Cot Tech Fee	cap/ac	48.25
TECHNOLOGY FEE			WRF Cot Tech Fee	thous	1.45
B2 Cot Tech Fee	thous	0.76	WS Cot Tech Fee	thous	0.41
B2 Cot Tech Fee	cap/ac	35.25	WS Cotton Tech Fee	cap/ac	24.00
B2RF Cot Tech Fee	thous	1.49			
B2RF Cot Tech Fee	cap/ac	69.25			

Appendix Table 5. Estimated fuel prices
and interest rates, Mississippi, 2012

ITEM NAME	UNIT	PRICE
dollars		
FUEL TYPES		
Diesel Fuel	gal	3.40
Electricity	kWh	0.00
Gasoline	gal	3.50
LP Gas	gal	2.60
Natural Gas	Mcf	0.00
INTEREST RATES		
Short-term	%	4.25
Intermediate-term	%	5.25

Appendix Table 6. Labor types, wage rates and unallocated labor
multipliers for crop enterprises, Mississippi, 2012

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	11.60
IRRIGATE LABOR	hour	9.06
HAND LABOR	hour	9.06
HAND. & STOR. LABOR	hour	9.06
RICE MGT. LABOR	hour	9.06
CROP ENTERPRISE	UNALLOCATED LABOR MULTIPLIERS (%)	
Corn		90
Cotton		80
Grain Sorghum		90
Peanuts		80
Rice		90
Soybeans		90
Wheat		80

Appendix Table 7. Futures contract prices, basis levels, forward contract prices, and loan rates used in row crop budgets, Mississippi, 2012

	Unit	Futures Contract Month	Futures Contract Price ^a	Basis ^b	Forward Contract Price ^c	Loan Rate ^d	Budget Price ^e
Corn	bu	Dec '12	5.93	-0.2894	5.64	2.09	5.64
Cotton Lint	lb	Dec '12	0.939	-0.0263	0.913	.524	0.913
Cottonseed	lb						0.076 ^f
Grain Sorghum	bu				5.36	6.31	5.36
Peanuts	ton				750.00	355.00	750.00
Soybeans	bu	Nov '12	12.17	-0.3120	11.86	5.20	11.86
Rice	bu	Sep '12	7.47	-0.8030	6.67	2.96	6.67
Wheat	bu	Jul '12	6.99	-0.7008	6.29	2.29	6.29

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

^b The basis is computed by subtracting the 2001-2011 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 95% 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 2011 crop year for soybeans, corn, grain sorghum, and wheat. 2011 Mississippi base loan rate for the Delta area for cotton. 2011 Mississippi loan rate for long grain rice. 2011 national average loan rate for peanuts.

^e Price used in the 2012 MAFES Planning Budgets.

^f Cottonseed price is the marketing year average price averaged over the years 2006-2010, Agricultural Prices Summary, USDA.

Literature Cited

1. Agricultural Engineers Yearbook of Standards. American Society of Agricultural Engineers, St. Joseph, Michigan.
2. Boehlje, M.D. and V.R. Eidman. *Farm Management*. New York: John Wiley and Sons, 1984.
3. Bolton, Bill, J.B. Penn, Fred T. Cooke Jr., and Arthur M. Heagler. "Days Suitable for Fieldwork, Mississippi River Delta Cotton Area." D.A.E. Research Report No. 384, Louisiana State University, November 1968."
4. Budgets for Major Farm Enterprises in the Mississippi River Delta of Arkansas, Louisiana, and Mississippi." D.A.E. Circular No. 281, Department of Agricultural Economics and Agribusiness, Agricultural Experiment Station, Louisiana State University, June 1961
5. Caillavet, DeWitt F. "An Economic Assessment of Production Alternatives Resulting From Changes in the Machinery Complement of Representative Farms in the Delta Area of Mississippi." Master of Science Thesis, Department of Agricultural Economics, Mississippi State University, May 1984.
6. Cooke, Fred T. Jr., J.M. Anderson, and Arthur M. Heagler. "Crop Budgets and Planning Data for Major Farm Enterprises in the Yazoo-Mississippi Delta." Mississippi Agricultural and Forestry Experiment Station Bulletin 794, July 1972.
7. Cooke, Fred T. Jr., J.M. Anderson, D.W. Parvin Jr., A.M. Heagler, Kenneth Paxton, Shelby Holders Jr., and James G. Hamill. "Crop Budgets and Planning Data for Major Farm Enterprises in the Mississippi-Louisiana Delta, 1975." Mississippi Agricultural and Forestry Experiment Station Bulletin 834, May 1975.
8. "Corn, Grain Sorghum & Wheat 2011 Planning Budgets." Budget Report No. 2010-10, Department of Agricultural Economics, Mississippi State University, December 2010.
9. "Costs of Producing Selected Crops in the U.S., 1974." Senate Committee Project No. 63-092, Committee on Agriculture and Forestry, U.S. Senate, January 8, 1976.
10. "Cotton 2011 Planning Budgets." Budget Report No. 2010-12, Department of Agricultural Economics, Mississippi State University, December 2010.
11. Cox, Laura Rebecca. "Overhead Labor Cost in the Delta Area of Mississippi." Master of Science Thesis, Department of Agricultural Economics, Mississippi State University, October 1982.
12. "Forage 2009 Planning Budgets." Budget Report No. 2008-1, Department of Agricultural Economics, Mississippi State University, September 2008.
13. Laughlin, David H. and Robert K. Mehrle. "An Economic Evaluation: Straight Versus Contour Levee Rice Production Practices in Mississippi." Mississippi Agricultural and Forestry Experiment Station Bulletin 1063. December 1996.
14. Laughlin, David H. and Stan Spurlock. "User's Guide for the Mississippi State Budget Generator Version 6.0 for Windows." AEC Staff Report No. 2003-01, Department of Agricultural Economics, Mississippi State University, March 2003.
15. "Mississippi Agricultural Statistics." Mississippi Department of Agriculture and Commerce and Department of Agriculture, Mississippi Agriculture Statistical Service, Jackson, Mississippi.
16. "Rice 2011 Planning Budgets." Budget Report No. 2010-13, Department of Agricultural Economics, Mississippi State University, December 2010.
17. "Soybeans 2011 Planning Budgets." Budget Report No. 2010-11, Department of Agricultural Economics, Mississippi State University, December 2010.
18. "Vegetables 2011 Planning Budgets." Budget Report No. 2010-09, Department of Agricultural Economics, Mississippi State University December 2010.
19. "Peanuts 2011 Planning Budgets." Budget Report No. 2010-14, Department of Agricultural Economics, Mississippi State University, December 2010.



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