

**NON-DELTA  
2010  
PLANNING BUDGETS**

**Mississippi State University  
Department of Agricultural Economics  
Budget Report 2009-07**

**December 2009**



## Foreword

This report is designed to provide necessary planning data to farmers, research and extension staffs, lending agencies, and others in agriculture. Readers are cautioned that returns presented are labeled "**Returns Above Specified Expenses.**" Estimated costs for land, management, and general farm overhead are not included in this report. The exception is unallocated labor, which is included. "**Returns Above Direct Expenses**" should be used in making 2010 planning decisions. This would be a one-year short-run decision. Decisions beyond one year, or long-run decisions, should be based on "**Returns Above Specified Expenses.**"

## Acknowledgments

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

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

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# 2010 Planning Budgets

## Budgets for Agricultural Enterprises

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

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

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

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

## Methods and Procedures

### Production Practices

The production practices listed in each budget are the result of a combined effort by researchers and extension personnel to represent those practices that producers could use in a specific production system. Producers might use different practices in their own operations. If different types and quantities of operating inputs are to be used, then the budgeted expenses should be changed to more accurately reflect actual input usage. The Mississippi Agricultural Statistics Service conducts a survey of producers of major field crops in Mississippi. Data collected from producers are a part of the information used in selecting the practices included in each budget.

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

### Machinery

Machinery manufacturers form the basis for machinery prices used in these publications. Prices by size of equipment are determined from the most common sales in each category as reported by machinery dealers. Prices used in the budgets reflect prices paid by farmers in 2008. (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 2009 crop year. Government payments for commodities are not included in the budgets except to the extent that they are included in loan rates.

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

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

### Irrigation Costs

A dryland crop budget may be converted to an irrigated crop budget by adding the appropriate direct and fixed costs to the costs of the dryland crop. Also, adjustments in crop yields and other costs may be required with the addition of supplemental irrigation.

### Net Returns

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



## Enterprise Budgets

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	6.00	2.0000	12.00	_____
App by Air ( 3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	750.0000	67.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.1750	2.69	_____
Potash (60% K2O)	cwt	26.10	1.4000	36.54	_____
UAN (32% N)	cwt	10.56	3.6000	38.02	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
2,4-D Amine 4	pt	2.08	1.0000	2.08	_____
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	52.5000	28.88	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	52.50	1.0000	52.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication NonDelta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.1134	12.49	_____
Self-Propelled	hour	11.23	0.3018	3.39	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.2798	2.54	_____
UNALLOCATED LABOR					
	hour	11.25	1.1322	12.74	_____
DIESEL FUEL					
Tractors	gal	2.22	10.8888	24.18	_____
Self-Propelled	gal	2.22	5.0405	11.19	_____
REPAIR & MAINTENANCE					
Implements	acre	9.75	1.0000	9.75	_____
Tractors	acre	4.45	1.0000	4.45	_____
Self-Propelled	acre	13.47	1.0000	13.47	_____
INTEREST ON OP. CAP.	acre	9.05	1.0000	9.05	_____
TOTAL DIRECT EXPENSES				515.42	_____
FIXED EXPENSES					
Implements	acre	17.94	1.0000	17.94	_____
Tractors	acre	30.88	1.0000	30.88	_____
Self-Propelled	acre	58.91	1.0000	58.91	_____
TOTAL FIXED EXPENSES				107.73	_____
TOTAL SPECIFIED EXPENSES				623.15	_____

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	750.0000	519.75	_____
Cotton Seed	lb	0.06	1125.0000	69.75	_____
				-----	
TOTAL INCOME				589.50	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	67.50	1.0000	67.50	_____
FERTILIZERS	acre	77.25	1.0000	77.25	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	40.21	1.0000	40.21	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.7289	6.61	_____
OPERATOR LABOR	hour	11.23	1.4152	15.88	_____
UNALLOCATED LABOR	hour	11.25	1.1322	12.74	_____
DIESEL FUEL	gal	2.22	15.9294	35.37	_____
REPAIR & MAINTENANCE	acre	27.67	1.0000	27.67	_____
INTEREST ON OP. CAP.	acre	9.05	1.0000	9.05	_____
				-----	
TOTAL DIRECT EXPENSES				515.42	_____
RETURNS ABOVE DIRECT EXPENSES				74.08	_____
				-----	
TOTAL FIXED EXPENSES				107.73	_____
				-----	
TOTAL SPECIFIED EXPENSES				623.15	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-33.65	_____

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

**Fertilization decisions should be based on soil tests.**

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
Paratill & Bed Fold.	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
App by Air ( 5 gal)	appl			1.00	Mar	1.0000				
2,4-D Amine 4	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
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 BG/RR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication NonDelta	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					8.0000				
Acephate 90%	lb					0.5500				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air ( 3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air ( 3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air ( 5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.41	1.11	2.14	1.13

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

**Fertilization decisions should be based on soil tests.**

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
Phosphorus(46% P2O5)	cwt	2.69						0.12	2.81	2.81
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64			0.22	5.06	4.44
App by Air ( 5 gal)	appl	6.00						0.18	6.18	6.18
2,4-D Amine 4	pt	2.08						0.06	2.14	2.14
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25	7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75			0.06	1.90	1.45
Custom Apply Fert	acre	7.00						0.21	7.21	7.21
Potash (60% K2O)	cwt	36.54						1.10	37.64	37.64
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.13	4.99	3.32
UAN (32% N)	cwt	19.01						0.50	19.51	19.51
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47
Plant & Pre-Rigid	8R-38		1.74	1.27	2.35			0.12	5.48	4.26
Cotton Seed BG/RR	thous	28.88						0.65	29.53	29.53
BG/RR Cot Tech Fee	cap/ac	52.50						1.18	53.68	53.68
Cotton Seed Trt.	acre	20.00						0.45	20.45	20.45
Insect Scouting	acre	7.00						0.16	7.16	7.16
Eradication NonDelta	acre	3.00						0.07	3.07	3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99
Dual Magnum	pt	12.46						0.28	12.74	12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20	7.20
Acephate 90%	lb	1.81						0.04	1.85	1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99
Centric 40WG	oz	9.58						0.18	9.76	9.76
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32
UAN (32% N)	cwt	19.01						0.36	19.37	19.37
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65			0.06	3.75	2.27
Diuron 80%	lb	4.55						0.07	4.62	4.62
Glyphosate 3lbs a.e.	oz	7.04						0.11	7.15	7.15
App by Air ( 3 gal)	appl	5.00						0.07	5.07	5.07
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Acephate 90%	lb	4.52						0.07	4.59	4.59
App by Air ( 3 gal)	appl	5.00						0.07	5.07	5.07
Karate Z	oz	6.56						0.10	6.66	6.66
Bidrin 8WM	oz	6.96						0.10	7.06	7.06
Incidental Pest										
App by Air ( 3 gal)	appl	2.50						0.04	2.54	2.54
Incidental Pest Trt	acre	6.00						0.09	6.09	6.09
App by Air ( 3 gal)	appl	5.00						0.06	5.06	5.06
Acephate 90%	lb	6.16						0.07	6.23	6.23
App by Air ( 5 gal)	appl	6.00						0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32	5.32
Ethephon 6E	pt	3.79						0.03	3.82	3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50
Tribufos 6lb	pt	3.58						0.03	3.61	3.61
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55			0.12	31.10	56.43
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21			0.05	13.54	10.87
Module Builder-1st	4R-38(325)		5.60	3.32	7.55			0.06	16.53	12.34
Gin & Haul	lb	67.50						0.25	67.75	67.75
Stalk Shredder	14'		2.56	1.69	2.38			0.02	6.65	4.08
TOTALS		408.10	35.37	27.67	35.23	0.00	9.05	515.42	107.73	623.15

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

**Fertilization decisions should be based on soil tests.**

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589.50
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.50
FERTILIZERS	2.69	0.00	0.00	0.00	36.54	19.01	0.00	19.01	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.12	0.00	19.50	0.00	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.36	1.65	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.04	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.39	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.13	0.00	0.00	0.00	1.82	0.63	3.20	0.68	0.81	0.13	0.15	0.50
TOTAL DIRECT EXPENSES	26.16	0.00	0.00	0.00	62.32	24.50	145.10	36.82	54.39	11.29	19.27	135.57
NET INCOME	-26.16	0.00	0.00	0.00	-62.32	-24.50	-145.10	-36.82	-54.39	-11.29	-19.27	453.93
NET INCOME TO DATE	-26.16	-26.16	-26.16	-26.16	-88.48	-112.98	-258.08	-294.90	-349.29	-360.58	-379.85	74.08

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

**Fertilization decisions should be based on soil tests.**

\* Lease costs are based on hourly usage costs.



Table 1.F Estimated returns for various price/yield combinations, per acre  
 Cotton, 8R-38" solid, conservation tillage  
 BtRR variety, Non-Delta Area, Mississippi, 2010

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Cotton Lint			0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86
PERCENT	YIELD	UNIT	-----dollars-----										
50	375.00	lb	-216 -324	-203 -311	-190 -298	-177 -285	-164 -272	-151 -259	-138 -246	-125 -233	-112 -220	-99 -207	-86 -194
60	450.00	lb	-184 -292	-169 -276	-153 -261	-137 -245	-122 -230	-106 -214	-91 -198	-75 -183	-59 -167	-44 -152	-28 -136
70	525.00	lb	-152 -260	-134 -242	-116 -223	-97 -205	-79 -187	-61 -169	-43 -151	-25 -132	-6 -114	11 -96	29 -78
80	600.00	lb	-120 -228	-99 -207	-78 -186	-57 -165	-37 -144	-16 -124	4 -103	25 -82	46 -61	66 -40	87 -20
90	675.00	lb	-88 -195	-64 -172	-41 -149	-17 -125	5 -102	28 -78	52 -55	75 -32	99 -8	122 14	145 38
100	750.00	lb	-55 -163	-29 -137	-3 -111	22 -85	48 -59	74 -33	100 -7	126 18	152 44	178 70	204 96
110	825.00	lb	-23 -131	4 -102	33 -74	62 -45	90 -17	119 11	147 40	176 68	205 97	233 125	262 154
120	900.00	lb	8 -99	39 -67	70 -36	102 -5	133 25	164 56	195 87	226 119	258 150	289 181	320 212
130	975.00	lb	40 -66	74 -33	108 0	142 34	175 68	209 101	243 135	277 169	311 203	344 237	378 270
140	1050.00	lb	72 -34	109 1	145 38	182 74	218 110	254 147	291 183	327 219	364 256	400 292	436 329
150	1125.00	lb	105 -2	144 36	183 75	222 114	261 153	300 192	339 231	378 270	417 309	456 348	494 387

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	6.00	2.0000	12.00	_____
App by Air ( 3 gal)	appl	5.00	3.2500	16.25	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	750.0000	67.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.1750	2.69	_____
Potash (60% K2O)	cwt	26.10	1.4000	36.54	_____
UAN (32% N)	cwt	10.56	3.6000	38.02	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
2,4-D Amine 4	pt	2.08	1.0000	2.08	_____
Glyphosate 3lbs a.e.	oz	0.22	128.0000	28.16	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	0.5000	1.64	_____
Bidrin 8WM	oz	0.87	2.0000	1.74	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
TECHNOLOGY FEE					
BG II/RRF Tech Fee	cap/ac	67.50	1.0000	67.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication NonDelta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.1134	12.49	_____
Self-Propelled	hour	11.23	0.3018	3.39	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.2798	2.54	_____
UNALLOCATED LABOR	hour	11.25	1.1322	12.74	_____
DIESEL FUEL					
Tractors	gal	2.22	10.8888	24.18	_____
Self-Propelled	gal	2.22	5.0405	11.19	_____
REPAIR & MAINTENANCE					
Implements	acre	9.75	1.0000	9.75	_____
Tractors	acre	4.45	1.0000	4.45	_____
Self-Propelled	acre	13.47	1.0000	13.47	_____
INTEREST ON OP. CAP.	acre	8.79	1.0000	8.79	_____
TOTAL DIRECT EXPENSES				502.93	_____
FIXED EXPENSES					
Implements	acre	17.94	1.0000	17.94	_____
Tractors	acre	30.88	1.0000	30.88	_____
Self-Propelled	acre	58.91	1.0000	58.91	_____
TOTAL FIXED EXPENSES				107.73	_____
TOTAL SPECIFIED EXPENSES				610.66	_____

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	750.0000	519.75	_____
Cotton Seed	lb	0.06	1125.0000	69.75	_____
				-----	
TOTAL INCOME				589.50	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	28.25	1.0000	28.25	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	67.50	1.0000	67.50	_____
FERTILIZERS	acre	77.25	1.0000	77.25	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	47.25	1.0000	47.25	_____
INSECTICIDES	acre	37.45	1.0000	37.45	_____
TECHNOLOGY FEE	acre	67.50	1.0000	67.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.7289	6.61	_____
OPERATOR LABOR	hour	11.23	1.4152	15.88	_____
UNALLOCATED LABOR	hour	11.25	1.1322	12.74	_____
DIESEL FUEL	gal	2.22	15.9294	35.37	_____
REPAIR & MAINTENANCE	acre	27.67	1.0000	27.67	_____
INTEREST ON OP. CAP.	acre	8.79	1.0000	8.79	_____
				-----	
TOTAL DIRECT EXPENSES				502.93	_____
RETURNS ABOVE DIRECT EXPENSES				86.57	_____
				-----	
TOTAL FIXED EXPENSES				107.73	_____
				-----	
TOTAL SPECIFIED EXPENSES				610.66	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-21.16	_____

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

**Fertilization decisions should be based on soil tests.**

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
Paratill & Bed Fold.	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
App by Air ( 5 gal)	appl			1.00	Mar	1.0000				
2,4-D Amine 4	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
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
xxxCotton Seed BGRRF	thous					52.5000				
BG II/RRF Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication NonDelta	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					8.0000				
Acephate 90%	lb					0.5500				
App by Air ( 3 gal)	appl			0.25	Jul	0.2500				
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air ( 3 gal)	appl					1.0000				
Incidental Pest Trt	acre					1.0000				
App by Air ( 3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air ( 5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.41	1.11	2.14	1.13

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
Phosphorus(46% P2O5)	cwt	2.69						0.12	2.81	2.81
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64			0.22	5.06	4.44 9.50
App by Air ( 5 gal)	appl	6.00						0.18	6.18	6.18
2,4-D Amine 4	pt	2.08						0.06	2.14	2.14
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25	7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75			0.06	1.90	1.45 3.35
Custom Apply Fert	acre	7.00						0.21	7.21	7.21
Potash (60% K2O)	cwt	36.54						1.10	37.64	37.64
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.13	4.99	3.32 8.31
UAN (32% N)	cwt	19.01						0.50	19.51	19.51
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47 5.46
Plant & Pre-Rigid	8R-38		1.74	1.27	2.35			0.12	5.48	4.26 9.74
xxxCotton Seed BGRRF	thous									
BG II/RRF Tech Fee	cap/ac	67.50						1.52	69.02	69.02
Cotton Seed Trt.	acre	20.00						0.45	20.45	20.45
Insect Scouting	acre	7.00						0.16	7.16	7.16
Eradication NonDelta	acre	3.00						0.07	3.07	3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99 1.94
Dual Magnum	pt	12.46						0.28	12.74	12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20	7.20
Acephate 90%	lb	1.81						0.04	1.85	1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99 1.94
Centric 40WG	oz	9.58						0.18	9.76	9.76
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Glyphosate 3lbs a.e.	oz	7.04						0.13	7.17	7.17
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32 8.27
UAN (32% N)	cwt	19.01						0.36	19.37	19.37
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65			0.06	3.75	2.27 6.02
Diuron 80%	lb	4.55						0.07	4.62	4.62
Glyphosate 3lbs a.e.	oz	7.04						0.11	7.15	7.15
App by Air ( 3 gal)	appl	5.00						0.07	5.07	5.07
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Acephate 90%	lb	4.52						0.07	4.59	4.59
App by Air ( 3 gal)	appl	1.25						0.02	1.27	1.27
Karate Z	oz	1.64						0.02	1.66	1.66
Bidrin 8WM	oz	1.74						0.03	1.77	1.77
Incidental Pest										
App by Air ( 3 gal)	appl	5.00						0.07	5.07	5.07
Incidental Pest Trt	acre	12.00						0.18	12.18	12.18
App by Air ( 3 gal)	appl	5.00						0.06	5.06	5.06
Acephate 90%	lb	6.16						0.07	6.23	6.23
App by Air ( 5 gal)	appl	6.00						0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32	5.32
Ethephon 6E	pt	3.79						0.03	3.82	3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50 0.97
Tribufos 6lb	pt	3.58						0.03	3.61	3.61
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55			0.12	31.10	56.43 87.53
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21			0.05	13.54	10.87 24.41
Module Builder-1st	4R-38(325)		5.60	3.32	7.55			0.06	16.53	12.34 28.87
Gin & Haul	lb	67.50						0.25	67.75	67.75
Stalk Shredder	14'		2.56	1.69	2.38			0.02	6.65	4.08 10.73
TOTALS		395.87	35.37	27.67	35.23	0.00	8.79	502.93	107.73	610.66

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

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589.50
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	11.25	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.50
FERTILIZERS	2.69	0.00	0.00	0.00	36.54	19.01	0.00	19.01	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.12	0.00	19.50	7.04	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	19.90	6.16	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.36	1.65	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.04	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.39	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.13	0.00	0.00	0.00	1.82	0.63	2.89	0.81	0.73	0.13	0.15	0.50
TOTAL DIRECT EXPENSES	26.16	0.00	0.00	0.00	62.32	24.50	130.91	43.99	48.92	11.29	19.27	135.57
NET INCOME	-26.16	0.00	0.00	0.00	-62.32	-24.50	-130.91	-43.99	-48.92	-11.29	-19.27	453.93
NET INCOME TO DATE	-26.16	-26.16	-26.16	-26.16	-88.48	-112.98	-243.89	-287.88	-336.80	-348.09	-367.36	86.57

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

**Fertilization decisions should be based on soil tests.**

\* Lease costs are based on hourly usage costs.

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

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86		
PERCENT	YIELD	UNIT	dollars										
50	375.00	lb	-204	-191	-178	-165	-152	-139	-126	-113	-100	-87	-74
			-312	-299	-286	-273	-260	-247	-234	-221	-208	-195	-182
60	450.00	lb	-172	-156	-141	-125	-109	-94	-78	-63	-47	-31	-16
			-279	-264	-248	-233	-217	-201	-186	-170	-155	-139	-123
70	525.00	lb	-139	-121	-103	-85	-67	-49	-30	-12	5	23	41
			-247	-229	-211	-193	-174	-156	-138	-120	-102	-83	-65
80	600.00	lb	-107	-86	-66	-45	-24	-3	16	37	58	79	100
			-215	-194	-173	-153	-132	-111	-90	-69	-49	-28	-7
90	675.00	lb	-75	-52	-28	-5	17	41	64	88	111	134	158
			-183	-159	-136	-113	-89	-66	-42	-19	3	27	50
100	750.00	lb	-43	-17	8	34	60	86	112	138	164	190	216
			-151	-125	-99	-73	-47	-21	4	30	56	82	108
110	825.00	lb	-11	17	46	74	103	131	160	188	217	246	274
			-118	-90	-61	-33	-4	24	52	81	109	138	166
120	900.00	lb	21	52	83	114	145	176	208	239	270	301	332
			-86	-55	-24	6	38	69	100	131	162	193	225
130	975.00	lb	53	87	120	154	188	222	255	289	323	357	391
			-54	-20	13	46	80	114	148	182	215	249	283
140	1050.00	lb	85	121	158	194	230	267	303	340	376	412	449
			-22	14	50	86	123	159	196	232	268	305	341
150	1125.00	lb	117	156	195	234	273	312	351	390	429	468	507
			9	48	87	126	165	204	243	282	321	360	399

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	6.00	2.0000	12.00	_____
App by Air ( 3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	750.0000	67.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.1750	2.69	_____
Amm Nitrate (34% N)	cwt	14.23	1.8000	25.61	_____
Potash (60% K2O)	cwt	26.10	1.4000	36.54	_____
UAN (32% N)	cwt	10.56	1.8000	19.01	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
2,4-D Amine 4	pt	2.08	1.0000	2.08	_____
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	52.5000	28.88	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	52.50	1.0000	52.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication NonDelta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.9212	10.33	_____
Self-Propelled	hour	11.23	0.3018	3.39	_____
HAND LABOR					
Implements	hour	9.06	0.4136	3.75	_____
Self-Propelled	hour	9.06	0.2798	2.54	_____
UNALLOCATED LABOR					
	hour	11.25	0.9785	11.01	_____
DIESEL FUEL					
Tractors	gal	2.22	9.0100	20.02	_____
Self-Propelled	gal	2.22	5.0405	11.19	_____
REPAIR & MAINTENANCE					
Implements	acre	7.71	1.0000	7.71	_____
Tractors	acre	3.69	1.0000	3.69	_____
Self-Propelled	acre	13.47	1.0000	13.47	_____
INTEREST ON OP. CAP.	acre	8.97	1.0000	8.97	_____
TOTAL DIRECT EXPENSES				510.77	_____
FIXED EXPENSES					
Implements	acre	14.50	1.0000	14.50	_____
Tractors	acre	25.55	1.0000	25.55	_____
Self-Propelled	acre	58.91	1.0000	58.91	_____
TOTAL FIXED EXPENSES				98.96	_____
TOTAL SPECIFIED EXPENSES				609.73	_____

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



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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	750.0000	519.75	_____
Cotton Seed	lb	0.06	1125.0000	69.75	_____
				-----	
TOTAL INCOME				589.50	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	67.50	1.0000	67.50	_____
FERTILIZERS	acre	83.85	1.0000	83.85	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	40.21	1.0000	40.21	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.6934	6.29	_____
OPERATOR LABOR	hour	11.23	1.2231	13.72	_____
UNALLOCATED LABOR	hour	11.25	0.9785	11.01	_____
DIESEL FUEL	gal	2.22	14.0506	31.21	_____
REPAIR & MAINTENANCE	acre	24.87	1.0000	24.87	_____
INTEREST ON OP. CAP.	acre	8.97	1.0000	8.97	_____
				-----	
TOTAL DIRECT EXPENSES				510.77	_____
RETURNS ABOVE DIRECT EXPENSES				78.73	_____
TOTAL FIXED EXPENSES					
				98.96	_____
				-----	
TOTAL SPECIFIED EXPENSES				609.73	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-20.23	_____

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

**Fertilization decisions should be based on soil tests.**

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	POWER IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
App by Air ( 5 gal)	appl			1.00	Mar	1.0000				
2,4-D Amine 4	pt					1.0000				
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 BG/RR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication NonDelta	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					8.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					8.0000				
Acephate 90%	lb					0.5500				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air ( 3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air ( 3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air ( 5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
<b>TOTALS</b>							<b>1.22</b>	<b>0.92</b>	<b>1.91</b>	<b>0.97</b>

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
Phosphorus(46% P2O5)	cwt	2.69						0.12	2.81	2.81
App by Air ( 5 gal)	appl	6.00						0.18	6.18	6.18
2,4-D Amine 4	pt	2.08						0.06	2.14	2.14
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25	7.25
Custom Apply Fert	acre	7.00						0.21	7.21	7.21
Amm Nitrate (34% N)	cwt	25.61						0.77	26.38	26.38
Potash (60% K2O)	cwt	36.54						1.10	37.64	37.64
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47
NT Plant&Pre-Rigid	8R-38		1.82	1.46	2.45			0.13	5.86	4.70
Cotton Seed BG/RR	thous	28.88						0.65	29.53	29.53
BG/RR Cot Tech Fee	cap/ac	52.50						1.18	53.68	53.68
Cotton Seed Trt.	acre	20.00						0.45	20.45	20.45
Insect Scouting	acre	7.00						0.16	7.16	7.16
Eradication NonDelta	acre	3.00						0.07	3.07	3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20	7.20
Dual Magnum	pt	12.46						0.28	12.74	12.74
Acephate 90%	lb	1.81						0.04	1.85	1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99
Centric 40WG	oz	9.58						0.18	9.76	9.76
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32
UAN (32% N)	cwt	19.01						0.36	19.37	19.37
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65			0.07	3.76	2.27
Diuron 80%	lb	4.55						0.09	4.64	4.64
Glyphosate 3lbs a.e.	oz	7.04						0.13	7.17	7.17
App by Air ( 3 gal)	appl	5.00						0.07	5.07	5.07
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Acephate 90%	lb	4.52						0.07	4.59	4.59
App by Air ( 3 gal)	appl	5.00						0.07	5.07	5.07
Karate Z	oz	6.56						0.10	6.66	6.66
Bidrin 8WM	oz	6.96						0.10	7.06	7.06
Incidental Pest										
App by Air ( 3 gal)	appl	2.50						0.04	2.54	2.54
Incidental Pest Trt	acre	6.00						0.09	6.09	6.09
App by Air ( 3 gal)	appl	5.00						0.06	5.06	5.06
Acephate 90%	lb	6.16						0.07	6.23	6.23
App by Air ( 5 gal)	appl	6.00						0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32	5.32
Ethephon 6E	pt	3.79						0.03	3.82	3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50
Tribufos 6lb	pt	3.58						0.03	3.61	3.61
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55			0.12	31.10	56.43
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21			0.05	13.54	10.87
Module Builder-1st	4R-38(325)		5.60	3.32	7.55			0.06	16.53	12.34
Gin & Haul	lb	67.50						0.25	67.75	67.75
Stalk Shredder	14'		2.56	1.69	2.38			0.02	6.65	4.08
TOTALS		414.70	31.21	24.87	31.02	0.00	8.97	510.77	98.96	609.73

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

**Fertilization decisions should be based on soil tests.**

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589.50
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.50
FERTILIZERS	2.69	0.00	0.00	0.00	62.15	0.00	0.00	19.01	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.12	0.00	19.50	11.59	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.10	4.01	0.00	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	3.47	3.49	0.00	0.00	0.18	24.07
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.98	0.00	0.00	0.07	20.81
INTEREST ON OP. CAP.	0.91	0.00	0.00	0.00	2.53	0.00	3.21	0.97	0.57	0.13	0.15	0.50
TOTAL DIRECT EXPENSES	21.10	0.00	0.00	0.00	86.80	0.00	145.48	52.39	38.87	11.29	19.27	135.57
NET INCOME	-21.10	0.00	0.00	0.00	-86.80	0.00	-145.48	-52.39	-38.87	-11.29	-19.27	453.93
NET INCOME TO DATE	-21.10	-21.10	-21.10	-21.10	-107.90	-107.90	-253.38	-305.77	-344.64	-355.93	-375.20	78.73

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

**Fertilization decisions should be based on soil tests.**

\* Lease costs are based on hourly usage costs.

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

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
	-----PRODUCT PRICE-----												
Cotton Lint	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86		
PERCENT	YIELD	UNIT	-----dollars-----										
50	375.00	lb	-212	-199	-186	-173	-160	-147	-134	-121	-108	-95	-82
			-311	-298	-285	-272	-259	-246	-233	-220	-207	-194	-181
60	450.00	lb	-180	-164	-148	-133	-117	-102	-86	-70	-55	-39	-24
			-278	-263	-247	-232	-216	-201	-185	-169	-154	-138	-123
70	525.00	lb	-147	-129	-111	-93	-75	-56	-38	-20	-2	15	34
			-246	-228	-210	-192	-174	-155	-137	-119	-101	-83	-64
80	600.00	lb	-115	-94	-74	-53	-32	-11	9	29	50	71	92
			-214	-193	-173	-152	-131	-110	-89	-69	-48	-27	-6
90	675.00	lb	-83	-60	-36	-13	10	33	56	80	103	127	150
			-182	-158	-135	-112	-88	-65	-42	-18	4	28	51
100	750.00	lb	-51	-25	0	26	52	78	104	130	156	182	208
			-150	-124	-98	-72	-46	-20	5	31	57	83	109
110	825.00	lb	-19	9	38	66	95	123	152	181	209	238	266
			-117	-89	-60	-32	-3	24	53	82	110	139	167
120	900.00	lb	13	44	75	106	137	169	200	231	262	293	325
			-85	-54	-23	7	38	70	101	132	163	194	226
130	975.00	lb	45	79	112	146	180	214	248	281	315	349	383
			-53	-19	14	47	81	115	149	182	216	250	284
140	1050.00	lb	77	114	150	186	223	259	295	332	368	405	441
			-21	15	51	87	124	160	196	233	269	306	342
150	1125.00	lb	109	148	187	226	265	304	343	382	421	460	499
			10	49	88	127	166	205	244	283	322	361	400

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

Table 4.A Estimated costs per acre  
Soybeans, early-planted, RR, reduced tillage, 12R 20"  
Non-Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	6.00	1.0000	6.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.6600	10.13	_____
Potash (60% K2O)	cwt	26.10	1.0000	26.10	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.75	2.5000	1.88	_____
Headline	oz	2.75	3.0000	8.25	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	6.0000	20.94	_____
2,4-D Amine 4	pt	2.08	2.0000	4.16	_____
Valor SX	oz	3.94	2.0000	7.88	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
INSECTICIDES					
Gaicho 600	oz	7.77	1.0000	7.77	_____
Acephate 90SP	lb	8.38	0.7500	6.29	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.99	50.0000	49.50	_____
HAULING					
Haul Soybeans	bu	0.20	43.0000	8.60	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.2500	8.75	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.3791	4.27	_____
Harvesters	hour	11.23	0.1021	1.15	_____
HAND LABOR					
Implements	hour	9.06	0.1857	1.68	_____
UNALLOCATED LABOR	hour	11.26	0.4332	4.88	_____
DIESEL FUEL					
Tractors	gal	2.22	3.7083	8.23	_____
Harvesters	gal	2.22	1.3935	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	3.92	1.0000	3.92	_____
Tractors	acre	1.52	1.0000	1.52	_____
Harvesters	acre	2.32	1.0000	2.32	_____
INTEREST ON OP. CAP.	acre	5.40	1.0000	5.40	_____
TOTAL DIRECT EXPENSES				215.17	_____
FIXED EXPENSES					
Implements	acre	8.77	1.0000	8.77	_____
Tractors	acre	10.51	1.0000	10.51	_____
Harvesters	acre	9.99	1.0000	9.99	_____
TOTAL FIXED EXPENSES				29.27	_____
TOTAL SPECIFIED EXPENSES				244.44	_____

Note: Cost of production estimates are based on 2009 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, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.22	43.0000	396.46	_____
				-----	
TOTAL INCOME				396.46	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	6.00	1.0000	6.00	_____
FERTILIZERS	acre	36.23	1.0000	36.23	_____
FUNGICIDES	acre	10.13	1.0000	10.13	_____
HERBICIDES	acre	45.44	1.0000	45.44	_____
INSECTICIDES	acre	14.06	1.0000	14.06	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
HAULING	acre	8.60	1.0000	8.60	_____
CUSTOM LIME	acre	8.75	1.0000	8.75	_____
HAND LABOR	hour	9.06	0.1857	1.68	_____
OPERATOR LABOR	hour	11.23	0.4813	5.42	_____
UNALLOCATED LABOR	hour	11.26	0.4332	4.88	_____
DIESEL FUEL	gal	2.22	5.1019	11.32	_____
REPAIR & MAINTENANCE	acre	7.76	1.0000	7.76	_____
INTEREST ON OP. CAP.	acre	5.40	1.0000	5.40	_____
				-----	
TOTAL DIRECT EXPENSES				215.17	_____
RETURNS ABOVE DIRECT EXPENSES				181.29	_____
TOTAL FIXED EXPENSES				29.27	_____
				-----	
TOTAL SPECIFIED EXPENSES				244.44	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				152.02	_____

Note: Cost of production estimates are based on 2009 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, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Oct	0.2500				
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 RR	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Gaicho 600	oz					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Dual Magnum	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Jul		0.01	0.01	0.02	0.01
Headline	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				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Soybeans	bu					43.0000				
TOTALS							0.48	0.48	0.66	0.43

Note: Cost of production estimates are based on 2009 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, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	8.75						0.39	9.14		9.14
Spin Spreader	5 ton		0.91	0.45	1.28			0.12	2.76	1.80	4.56
Phosphorus(46% P2O5)	cwt	10.13						0.46	10.59		10.59
Potash (60% K2O)	cwt	26.10						1.17	27.27		27.27
Disk Harrow	24'		1.78	1.09	1.75			0.21	4.83	4.06	8.89
Field Cultivate Fld	24'		1.35	0.61	1.33			0.15	3.44	3.42	6.86
App by Air ( 5 gal)	appl	6.00						0.16	6.16		6.16
Glyphosate 3lbs a.e.	pt	6.98						0.18	7.16		7.16
2,4-D Amine 4	pt	4.16						0.11	4.27		4.27
Valor SX	oz	7.88						0.21	8.09		8.09
Plant - Rigid	12R-20		2.05	1.72	2.86			0.15	6.78	5.46	12.24
Soybean Seed RR	lb	49.50						1.11	50.61		50.61
Apron Maxx RTA	oz	1.88						0.04	1.92		1.92
Gaucho 600	oz	7.77						0.17	7.94		7.94
Spray (Broadcast)	60'		0.61	0.25	0.74			0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98						0.13	7.11		7.11
Dual Magnum	pt	12.46						0.23	12.69		12.69
Spray (Broadcast)	60'		0.61	0.25	0.74			0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98						0.13	7.11		7.11
Spray (Broadcast)	60'		0.31	0.13	0.36			0.01	0.81	0.49	1.30
Headline	oz	8.25						0.09	8.34		8.34
Spray (Broadcast)	60'		0.61	0.25	0.74			0.01	1.61	0.97	2.58
Acephate 90SP	lb	6.29						0.05	6.34		6.34
Header -Soybean	25' Flex		3.09	3.01	2.18			0.03	8.31	11.13	19.44
Haul Soybeans	bu	8.60						0.03	8.63		8.63
TOTALS		178.71	11.32	7.76	11.98	0.00	5.40	215.17	29.27	244.44	

Note: Cost of production estimates are based on 2009 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, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	396.46
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00
FERTILIZERS	36.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.00	8.25	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	19.02	0.00	26.42	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	0.00	0.00	6.29	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.60
CUSTOM LIME	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.36	0.00	0.00	0.00	0.00	0.00	2.86	1.48	0.00	0.36	0.74	2.18
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.04	0.00	0.00	0.00	0.00	0.00	2.05	1.22	0.00	0.31	0.61	3.09
REPAIR & MAINTENANCE	2.15	0.00	0.00	0.00	0.00	0.00	1.72	0.50	0.00	0.13	0.25	3.01
INTEREST ON OP. CAP.	2.50	0.00	0.00	0.00	0.00	0.66	1.47	0.55	0.00	0.10	0.06	0.06
TOTAL DIRECT EXPENSES	58.03	0.00	0.00	0.00	0.00	25.68	67.25	30.17	0.00	9.15	7.95	16.94
NET INCOME	-58.03	0.00	0.00	0.00	0.00	-25.68	-67.25	-30.17	0.00	-9.15	-7.95	379.52
NET INCOME TO DATE	-58.03	-58.03	-58.03	-58.03	-58.03	-83.71	-150.96	-181.13	-181.13	-190.28	-198.23	181.29

Note: Cost of production estimates are based on 2009 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, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
PRODUCT PRICE													
Soybeans	6.91	7.37	7.83	8.29	8.75	9.22	9.68	10.14	10.60	11.06	11.52		
PERCENT	YIELD	UNIT	dollars										
50	21.50	bu	-62	-52	-42	-32	-22	-12	-2	7	17	27	36
			-91	-81	-71	-61	-51	-41	-31	-22	-12	-2	7
60	25.80	bu	-33	-21	-9	2	14	26	38	49	61	73	85
			-62	-50	-38	-26	-15	-3	8	20	32	44	56
70	30.10	bu	-4	9	23	37	51	64	78	92	106	120	134
			-33	-19	-5	7	21	35	49	63	77	91	105
80	34.40	bu	24	40	56	72	87	103	119	135	151	167	183
			-4	11	26	42	58	74	90	106	122	137	153
90	38.70	bu	53	71	88	106	124	142	160	178	196	213	231
			24	41	59	77	95	113	131	148	166	184	202
100	43.00	bu	82	101	121	141	161	181	201	220	240	260	280
			52	72	92	112	132	152	171	191	211	231	251
110	47.30	bu	111	132	154	176	198	220	241	263	285	307	329
			81	103	125	147	168	190	212	234	256	278	299
120	51.60	bu	139	163	187	211	235	258	282	306	330	354	377
			110	134	158	182	205	229	253	277	300	324	348
130	55.90	bu	168	194	220	246	271	297	323	349	374	400	426
			139	165	191	216	242	268	294	319	345	371	397
140	60.20	bu	197	225	253	280	308	336	364	391	419	447	475
			168	196	223	251	279	307	334	362	390	418	445
150	64.50	bu	226	256	286	315	345	375	404	434	464	494	523
			197	226	256	286	316	345	375	405	435	464	494

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

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

Table 5.A Estimated costs per acre  
Soybeans, May-planted, RR, convent. tillage, 12R 20"  
Non-Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	15.35	0.6600	10.13	_____
Potash (60% K2O)	cwt	26.10	1.0000	26.10	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.75	2.5000	1.88	_____
Quadris	oz	2.56	3.0000	7.68	_____
HERBICIDES					
Dual Magnum	pt	12.46	1.0000	12.46	_____
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
INSECTICIDES					
Gaucho 600	oz	7.77	1.0000	7.77	_____
Dimilin 2L	oz	1.84	1.0000	1.84	_____
Acephate 90SP	lb	8.38	0.7500	6.29	_____
Intrepid 2F	oz	1.96	2.0000	3.92	_____
Baythroid XL	oz	2.15	1.0650	2.29	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.99	50.0000	49.50	_____
ADJUVANTS					
Surfactant	pt	3.68	0.0500	0.18	_____
HAULING					
Haul Soybeans	bu	0.20	30.0000	6.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.2500	8.75	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.4005	4.51	_____
Harvesters	hour	11.23	0.1021	1.15	_____
HAND LABOR					
Implements	hour	9.06	0.2000	1.81	_____
UNALLOCATED LABOR	hour	11.27	0.4524	5.10	_____
DIESEL FUEL					
Tractors	gal	2.22	3.9172	8.69	_____
Harvesters	gal	2.22	1.3935	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	4.29	1.0000	4.29	_____
Tractors	acre	1.61	1.0000	1.61	_____
Harvesters	acre	2.32	1.0000	2.32	_____
INTEREST ON OP. CAP.	acre	4.12	1.0000	4.12	_____
TOTAL DIRECT EXPENSES				195.44	_____
FIXED EXPENSES					
Implements	acre	9.50	1.0000	9.50	_____
Tractors	acre	11.11	1.0000	11.11	_____
Harvesters	acre	9.99	1.0000	9.99	_____
TOTAL FIXED EXPENSES				30.60	_____
TOTAL SPECIFIED EXPENSES				226.04	_____

Note: Cost of production estimates are based on 2009 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, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.22	30.0000	276.60	_____
				-----	
TOTAL INCOME				276.60	_____
DIRECT EXPENSES					
FERTILIZERS	acre	36.23	1.0000	36.23	_____
FUNGICIDES	acre	9.56	1.0000	9.56	_____
HERBICIDES	acre	26.42	1.0000	26.42	_____
INSECTICIDES	acre	22.11	1.0000	22.11	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
ADJUVANTS	acre	0.18	1.0000	0.18	_____
HAULING	acre	6.00	1.0000	6.00	_____
CUSTOM LIME	acre	8.75	1.0000	8.75	_____
HAND LABOR	hour	9.06	0.2000	1.81	_____
OPERATOR LABOR	hour	11.23	0.5027	5.66	_____
UNALLOCATED LABOR	hour	11.27	0.4524	5.10	_____
DIESEL FUEL	gal	2.22	5.3107	11.78	_____
REPAIR & MAINTENANCE	acre	8.22	1.0000	8.22	_____
INTEREST ON OP. CAP.	acre	4.12	1.0000	4.12	_____
				-----	
TOTAL DIRECT EXPENSES				195.44	_____
RETURNS ABOVE DIRECT EXPENSES				81.16	_____
TOTAL FIXED EXPENSES				30.60	_____
				-----	
TOTAL SPECIFIED EXPENSES				226.04	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				50.56	_____

Note: Cost of production estimates are based on 2009 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, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Nov	0.2500				
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 RR	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	bu					30.0000				
TOTALS							0.50	0.50	0.70	0.45

Note: Cost of production estimates are based on 2009 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, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	8.75						0.39	9.14		9.14
Spin Spreader	5 ton		0.91	0.45	1.28			0.07	2.71	1.80	4.51
Phosphorus(46% P2O5)	cwt	10.13						0.27	10.40		10.40
Potash (60% K2O)	cwt	26.10						0.69	26.79		26.79
Disk Harrow	24'		1.78	1.09	1.75			0.12	4.74	4.06	8.80
Field Cultivate Fld	24'		1.35	0.61	1.33			0.07	3.36	3.42	6.78
Plant & Pre-Rigid	12R-20		2.20	2.05	3.09			0.17	7.51	6.30	13.81
Soybean Seed RR	lb	49.50						1.11	50.61		50.61
Apron Maxx RTA	oz	1.88						0.04	1.92		1.92
Gaucht 600	oz	7.77						0.17	7.94		7.94
Dual Magnum	pt	12.46						0.28	12.74		12.74
Spray (Broadcast)	60'		0.61	0.25	0.74			0.04	1.64	0.97	2.61
Glyphosate 3lbs a.e.	pt	6.98						0.16	7.14		7.14
Spray (Broadcast)	60'		0.61	0.25	0.74			0.03	1.63	0.97	2.60
Glyphosate 3lbs a.e.	pt	6.98						0.13	7.11		7.11
Spray (Broadcast)	60'		0.31	0.13	0.36			0.01	0.81	0.49	1.30
Dimilin 2L	oz	1.84						0.03	1.87		1.87
Quadris	oz	7.68						0.12	7.80		7.80
Spray (Broadcast)	60'		0.61	0.25	0.74			0.02	1.62	0.97	2.59
Acephate 90SP	lb	6.29						0.07	6.36		6.36
Spray (Broadcast)	60'		0.31	0.13	0.36			0.01	0.81	0.49	1.30
Intrepid 2F	oz	3.92						0.04	3.96		3.96
Baythroid XL	oz	2.29						0.03	2.32		2.32
Surfactant	pt	0.18							0.18		0.18
Header -Soybean	25' Flex		3.09	3.01	2.18			0.03	8.31	11.13	19.44
Haul Soybeans	bu	6.00						0.02	6.02		6.02
TOTALS		158.75	11.78	8.22	12.57	0.00		4.12	195.44	30.60	226.04

Note: Cost of production estimates are based on 2009 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, 2010

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	276.60
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	36.23	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	7.68	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	19.44	6.98	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	1.84	12.50	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
CUSTOM LIME	8.75	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	3.03	5.16	0.74	0.36	1.10	0.00	2.18
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	2.69	4.16	0.61	0.31	0.92	0.00	3.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	1.54	2.91	0.25	0.13	0.38	0.00	3.01
INTEREST ON OP. CAP.	0.39	0.00	0.00	0.00	0.00	1.15	2.04	0.16	0.16	0.17	0.00	0.05
TOTAL DIRECT EXPENSES	9.14	0.00	0.00	0.00	0.00	44.64	92.86	8.74	10.48	15.25	0.00	14.33
NET INCOME	-9.14	0.00	0.00	0.00	0.00	-44.64	-92.86	-8.74	-10.48	-15.25	0.00	262.27
NET INCOME TO DATE	-9.14	-9.14	-9.14	-9.14	-9.14	-53.78	-146.64	-155.38	-165.86	-181.11	-181.11	81.16

Note: Cost of production estimates are based on 2009 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, 2010

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
	-----PRODUCT PRICE-----												
Soybeans	6.91	7.37	7.83	8.29	8.75	9.22	9.68	10.14	10.60	11.06	11.52		
PERCENT	YIELD	UNIT	-----dollars-----										
50	15.00	bu	-88	-81	-74	-67	-61	-54	-47	-40	-33	-26	-19
			-119	-112	-105	-98	-91	-84	-77	-70	-63	-57	-50
60	18.00	bu	-68	-60	-51	-43	-35	-27	-18	-10	-2	6	14
			-99	-90	-82	-74	-65	-57	-49	-41	-32	-24	-16
70	21.00	bu	-48	-38	-29	-19	-9	-0	9	19	29	38	48
			-79	-69	-59	-49	-40	-30	-20	-11	-1	8	17
80	24.00	bu	-28	-17	-6	4	15	27	38	49	60	71	82
			-58	-47	-36	-25	-14	-3	7	18	29	40	51
90	27.00	bu	-8	4	16	29	41	54	66	78	91	103	116
			-38	-26	-13	-1	11	23	35	48	60	73	85
100	30.00	bu	12	25	39	53	67	81	94	108	122	136	150
			-18	-4	9	22	36	50	64	78	92	105	119
110	33.00	bu	32	47	62	77	93	108	123	138	153	169	184
			1	16	31	47	62	77	92	108	123	138	153
120	36.00	bu	52	68	85	102	118	135	151	168	185	201	218
			21	38	54	71	88	104	121	137	154	171	187
130	39.00	bu	72	90	108	126	144	162	180	198	216	234	252
			41	59	77	95	113	131	149	167	185	203	221
140	42.00	bu	92	111	131	150	170	189	208	228	247	266	286
			61	81	100	120	139	158	178	197	216	236	255
150	45.00	bu	112	133	154	174	195	216	237	257	278	299	320
			82	102	123	144	165	185	206	227	248	268	289

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

Table 6.A Estimated costs per acre  
Soybeans after wheat, RR, no-till, 12R 20"  
Non-Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	15.35	0.6600	10.13	_____
Potash (60% K2O)	cwt	26.10	1.0000	26.10	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.75	2.5000	1.88	_____
Quadris	oz	2.56	3.0000	7.68	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	5.0000	17.45	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
INSECTICIDES					
Gaucho 600	oz	7.77	1.0000	7.77	_____
Dimilin 2L	oz	1.84	1.0000	1.84	_____
Acephate 90SP	lb	8.38	0.7500	6.29	_____
Intrepid 2F	oz	1.96	3.0000	5.88	_____
Baythroid XL	oz	2.15	1.5975	3.43	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.99	50.0000	49.50	_____
HAULING					
Haul Soybeans	bu	0.20	25.0000	5.00	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.2818	3.18	_____
Harvesters	hour	11.23	0.1021	1.15	_____
HAND LABOR					
Implements	hour	9.06	0.2148	1.95	_____
UNALLOCATED LABOR	hour	11.23	0.3302	3.71	_____
DIESEL FUEL					
Tractors	gal	2.22	2.7565	6.12	_____
Harvesters	gal	2.22	1.3935	3.09	_____
REPAIR & MAINTENANCE					
Implements	acre	3.59	1.0000	3.59	_____
Tractors	acre	1.12	1.0000	1.12	_____
Harvesters	acre	2.32	1.0000	2.32	_____
INTEREST ON OP. CAP.	acre	3.97	1.0000	3.97	_____
TOTAL DIRECT EXPENSES				185.61	_____
FIXED EXPENSES					
Implements	acre	6.82	1.0000	6.82	_____
Tractors	acre	7.81	1.0000	7.81	_____
Harvesters	acre	9.99	1.0000	9.99	_____
TOTAL FIXED EXPENSES				24.62	_____
TOTAL SPECIFIED EXPENSES				210.23	_____

Note: Cost of production estimates are based on 2009 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, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.22	25.0000	230.50	_____
				-----	
TOTAL INCOME				230.50	_____
DIRECT EXPENSES					
FERTILIZERS	acre	36.23	1.0000	36.23	_____
FUNGICIDES	acre	9.56	1.0000	9.56	_____
HERBICIDES	acre	29.91	1.0000	29.91	_____
INSECTICIDES	acre	25.21	1.0000	25.21	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
HAULING	acre	5.00	1.0000	5.00	_____
HAND LABOR	hour	9.06	0.2148	1.95	_____
OPERATOR LABOR	hour	11.23	0.3840	4.33	_____
UNALLOCATED LABOR	hour	11.23	0.3302	3.71	_____
DIESEL FUEL	gal	2.22	4.1501	9.21	_____
REPAIR & MAINTENANCE	acre	7.03	1.0000	7.03	_____
INTEREST ON OP. CAP.	acre	3.97	1.0000	3.97	_____
				-----	
TOTAL DIRECT EXPENSES				185.61	_____
RETURNS ABOVE DIRECT EXPENSES				44.89	_____
TOTAL FIXED EXPENSES				24.62	_____
				-----	
TOTAL SPECIFIED EXPENSES				210.23	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				20.27	_____

Note: Cost of production estimates are based on 2009 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, 2010

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 RR	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	bu					25.0000				
TOTALS							0.38	0.38	0.59	0.33

Note: Cost of production estimates are based on 2009 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.D Estimated costs for field operations, per acre  
Soybeans after wheat, RR, no-till, 12R 20"  
Non-Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Spin Spreader	5 ton		0.91	0.45	1.26			0.12	2.74	1.80	4.54
Phosphorus(46% P2O5)	cwt	10.13						0.46	10.59		10.59
Potash (60% K2O)	cwt	26.10						1.17	27.27		27.27
Spray (Broadcast)	60'		0.61	0.25	0.72			0.03	1.61	0.97	2.58
Glyphosate 3lbs a.e.	pt	6.98						0.13	7.11		7.11
NT Plant&Pre-Rigid	12R-20		2.30	2.37	3.17			0.15	7.99	7.07	15.06
Soybean Seed RR	lb	49.50						0.93	50.43		50.43
Apron Maxx RTA	oz	1.88						0.04	1.92		1.92
Gaucho 600	oz	7.77						0.15	7.92		7.92
Dual Magnum	pt	12.46						0.23	12.69		12.69
Spray (Broadcast)	60'		0.61	0.25	0.72			0.02	1.60	0.97	2.57
Glyphosate 3lbs a.e.	pt	6.98						0.10	7.08		7.08
Spray (Broadcast)	60'		0.31	0.13	0.36			0.01	0.81	0.49	1.30
Glyphosate 3lbs a.e.	pt	3.49						0.05	3.54		3.54
Spray (Broadcast)	60'		0.31	0.13	0.36			0.01	0.81	0.49	1.30
Dimilin 2L	oz	1.84						0.02	1.86		1.86
Quadris	oz	7.68						0.09	7.77		7.77
Spray (Broadcast)	60'		0.61	0.25	0.72			0.02	1.60	0.97	2.57
Acephate 90SP	lb	6.29						0.07	6.36		6.36
Spray (Broadcast)	60'		0.46	0.19	0.54			0.01	1.20	0.73	1.93
Intrepid 2F	oz	5.88						0.07	5.95		5.95
Baythroid XL	oz	3.43						0.04	3.47		3.47
Header -Soybean	25' Flex		3.09	3.01	2.14			0.03	8.27	11.13	19.40
Haul Soybeans	bu	5.00						0.02	5.02		5.02
TOTALS		155.41	9.21	7.03	9.99	0.00		3.97	185.61	24.62	210.23

Note: Cost of production estimates are based on 2009 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, 2010

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	230.50
DIRECT EXPENSES												
FERTILIZERS	36.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	7.68	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.44	10.47	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	17.44	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
LABOR	1.26	0.00	0.00	0.00	0.00	0.00	0.00	3.89	1.08	1.62	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	0.91	0.00	0.00	0.00	0.00	0.00	0.00	2.91	0.92	1.38	0.00	3.09
REPAIR & MAINTENANCE	0.45	0.00	0.00	0.00	0.00	0.00	0.00	2.62	0.38	0.57	0.00	3.01
INTEREST ON OP. CAP.	1.75	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.18	0.33	0.00	0.05
TOTAL DIRECT EXPENSES	40.60	0.00	0.00	0.00	0.00	0.00	0.00	89.67	13.03	29.02	0.00	13.29
NET INCOME	-40.60	0.00	0.00	0.00	0.00	0.00	0.00	-89.67	-13.03	-29.02	0.00	217.21
NET INCOME TO DATE	-40.60	-40.60	-40.60	-40.60	-40.60	-40.60	-40.60	-130.27	-143.30	-172.32	-172.32	44.89

Note: Cost of production estimates are based on 2009 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, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
PRODUCT PRICE													
Soybeans	6.91	7.37	7.83	8.29	8.75	9.22	9.68	10.14	10.60	11.06	11.52		
PERCENT	YIELD	UNIT	dollars										
50	12.50	bu	-96 -121	-90 -115	-85 -109	-79 -103	-73 -98	-67 -92	-62 -86	-56 -80	-50 -75	-44 -69	-39 -63
60	15.00	bu	-79 -104	-72 -97	-66 -90	-59 -83	-52 -76	-45 -69	-38 -63	-31 -56	-24 -49	-17 -42	-10 -35
70	17.50	bu	-63 -87	-55 -79	-46 -71	-38 -63	-30 -55	-22 -47	-14 -39	-6 -31	1 -23	9 -15	17 -7
80	20.00	bu	-46 -70	-37 -61	-27 -52	-18 -43	-9 -34	-0 -24	9 -15	18 -6	27 2	36 12	45 21
90	22.50	bu	-29 -54	-19 -43	-8 -33	1 -23	11 -12	22 -2	32 8	43 18	53 28	63 39	74 49
100	25.00	bu	-12 -37	-1 -25	10 -14	21 -2	33 8	44 20	56 31	67 43	79 54	90 66	102 77
110	27.50	bu	4 -20	16 -7	29 4	42 17	54 30	67 42	80 55	92 68	105 80	118 93	130 106
120	30.00	bu	20 -3	34 10	48 23	62 37	76 51	89 65	103 79	117 93	131 106	145 120	159 134
130	32.50	bu	37 13	52 27	67 42	82 57	97 72	112 87	127 102	142 117	157 132	172 147	187 162
140	35.00	bu	54 29	70 45	86 62	102 78	118 94	135 110	151 126	167 142	183 158	199 175	215 191
150	37.50	bu	71 46	88 63	105 81	123 98	140 115	157 133	174 150	192 167	209 184	226 202	244 219

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

Table 7.A Estimated costs per acre  
 Corn, stale seedbed, RR seed , 8-row 30",  
 135 bu yield goal, All Areas, Mississippi, 2010

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

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

**Fertilization decisions should be based on soil tests.**



Table 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, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____
				-----	
TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	95.84	1.0000	95.84	_____
HERBICIDES	acre	49.44	1.0000	49.44	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	76.16	1.0000	76.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1995	1.80	_____
OPERATOR LABOR	hour	11.23	0.6959	7.81	_____
UNALLOCATED LABOR	hour	11.22	0.6263	7.03	_____
DIESEL FUEL	gal	2.22	6.7145	14.91	_____
REPAIR & MAINTENANCE	acre	12.75	1.0000	12.75	_____
INTEREST ON OP. CAP.	acre	8.43	1.0000	8.43	_____
				-----	
TOTAL DIRECT EXPENSES				344.51	_____
RETURNS ABOVE DIRECT EXPENSES				175.24	_____
TOTAL FIXED EXPENSES				39.53	_____
				-----	
TOTAL SPECIFIED EXPENSES				384.04	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				135.71	_____

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

**Fertilization decisions should be based on soil tests.**

Table 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, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
Disk - Heavy	21'	MFWD 170	0.097	1.00	Oct		0.09	0.09	0.09	0.08
Disk Bed w/roller	8R-30	MFWD 170	0.093	1.00	Oct		0.09	0.09	0.09	0.08
App by Air ( 5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Plant - Rigid	8R-30	MFWD 170	0.094	1.00	Mar		0.09	0.09	0.18	0.08
Corn Seed RR	thous					28.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					2.1430				
Atrazine 4L	pt					4.0000				
Dual II Magnum	pt					1.3300				
Fert Appl (Liquid)	8R-30	MFWD 170	0.098	1.00	May		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					3.2815				
Spray (Broadcast)	60'	MFWD 170	0.028	1.00	May		0.02	0.02	0.04	0.02
Steadfast	oz					0.3750				
App by Air ( 3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-30	265 hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Grain Cart Corn	500 bu	MFWD 170	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	MFWD 170	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.69	0.69	0.89	0.62

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

Table 7.D Estimated costs for field operations, per acre  
 Corn, stale seedbed, RR seed , 8-row 30",  
 135 bu yield goal, All Areas, Mississippi, 2010

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

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

**Fertilization decisions should be based on soil tests.**

Table 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, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	519.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	39.48	0.00	0.00	0.00	0.00	0.00	21.71	34.65	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	27.66	8.73	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	76.16	0.00	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	5.35	0.00	0.00	0.00	0.00	2.86	0.00	3.27	0.00	0.00	0.00	5.16
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.53	0.00	0.00	0.00	0.00	1.83	0.00	2.46	0.00	0.00	0.00	6.09
REPAIR & MAINTENANCE	2.44	0.00	0.00	0.00	0.00	1.42	0.00	1.71	0.00	0.00	0.00	7.18
INTEREST ON OP. CAP.	3.11	0.00	0.00	0.00	0.57	2.16	1.28	0.95	0.19	0.00	0.00	0.17
TOTAL DIRECT EXPENSES	72.41	0.00	0.00	0.00	19.62	84.43	57.65	51.77	13.03	0.00	0.00	45.60
NET INCOME	-72.41	0.00	0.00	0.00	-19.62	-84.43	-57.65	-51.77	-13.03	0.00	0.00	474.15
NET INCOME TO DATE	-72.41	-72.41	-72.41	-72.41	-92.03	-176.46	-234.11	-285.88	-298.91	-298.91	-298.91	175.24

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

**Fertilization decisions should be based on soil tests.**

\* Lease costs are based on hourly usage costs.

Table 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, 2010

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

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

Table 8.A Estimated costs per acre  
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal  
 Non-Delta Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	6.00	1.0000	6.00	_____
App by Air ( 3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.0870	17.82	_____
Potash (60% K2O)	cwt	26.10	0.8300	21.66	_____
Fert 10-34-0	cwt	19.38	0.5000	9.69	_____
UAN (32% N)	cwt	10.56	5.0000	52.80	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
Clarity	pt	12.13	0.5000	6.07	_____
Lexar	pt	5.81	3.3000	19.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.95	28.0000	82.60	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.4231	4.75	_____
Harvesters	hour	11.23	0.1277	1.43	_____
HAND LABOR					
Implements	hour	9.06	0.2283	2.06	_____
UNALLOCATED LABOR	hour	11.21	0.4957	5.56	_____
DIESEL FUEL					
Tractors	gal	2.22	3.2673	7.24	_____
Harvesters	gal	2.22	1.7419	3.87	_____
REPAIR & MAINTENANCE					
Implements	acre	6.90	1.0000	6.90	_____
Tractors	acre	1.31	1.0000	1.31	_____
Harvesters	acre	2.90	1.0000	2.90	_____
INTEREST ON OP. CAP.	acre	7.40	1.0000	7.40	_____
TOTAL DIRECT EXPENSES				330.53	_____
FIXED EXPENSES					
Implements	acre	9.73	1.0000	9.73	_____
Tractors	acre	8.69	1.0000	8.69	_____
Harvesters	acre	12.49	1.0000	12.49	_____
TOTAL FIXED EXPENSES				30.91	_____
TOTAL SPECIFIED EXPENSES				361.44	_____

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

**Fertilization decisions should be based on soil tests.**

**Intrepid application is necessary only on refuge acres.**

Table 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, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____
				-----	
TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	101.97	1.0000	101.97	_____
HERBICIDES	acre	39.20	1.0000	39.20	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	82.60	1.0000	82.60	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.2283	2.06	_____
OPERATOR LABOR	hour	11.23	0.5508	6.18	_____
UNALLOCATED LABOR	hour	11.21	0.4957	5.56	_____
DIESEL FUEL	gal	2.22	5.0092	11.11	_____
REPAIR & MAINTENANCE	acre	11.11	1.0000	11.11	_____
INTEREST ON OP. CAP.	acre	7.40	1.0000	7.40	_____
				-----	
TOTAL DIRECT EXPENSES				330.53	_____
RETURNS ABOVE DIRECT EXPENSES				189.22	_____
TOTAL FIXED EXPENSES				30.91	_____
				-----	
TOTAL SPECIFIED EXPENSES				361.44	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				158.31	_____

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

**Fertilization decisions should be based on soil tests.**

**Intrepid application is necessary only on refuge acres.**

Table 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, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Oct	0.5000				
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	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 2009 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, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
App by Air ( 5 gal)	appl	6.00						0.18	6.18	6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19	7.19
Clarity	pt	6.07						0.18	6.25	6.25
Spin Spreader	5 ton		0.72	0.41	1.28			0.06	2.47	1.49 3.96
DAP	cwt	17.82						0.47	18.29	18.29
Potash (60% K2O)	cwt	21.66						0.57	22.23	22.23
NT Plant&Pre-Rigid	8R-30		1.81	1.88	3.22			0.18	7.09	5.47 12.56
Corn Seed BtRR	thous	82.60						2.17	84.77	84.77
Fert 10-34-0	cwt	9.69						0.25	9.94	9.94
Spray (Broadcast)	27'		1.07	0.34	1.61			0.07	3.09	1.49 4.58
Glyphosate 3lbs a.e.	pt	6.98						0.16	7.14	7.14
Lexar	pt	19.17						0.43	19.60	19.60
Fert Appl (Liquid)	8R-30		1.68	1.38	2.53			0.13	5.72	3.36 9.08
UAN (32% N)	cwt	52.80						1.19	53.99	53.99
App by Air ( 3 gal)	appl	5.00						0.07	5.07	5.07
Intrepid 2F	oz	7.84						0.12	7.96	7.96
Header - Corn	8R-30		3.87	4.38	2.72			0.04	11.01	14.95 25.96
Grain Cart Corn	500 bu		0.55	0.28	0.68			0.01	1.52	1.01 2.53
Haul Corn	bu	27.00						0.10	27.10	27.10
Stalk Shredder	20'		1.41	2.44	1.76			0.02	5.63	3.14 8.77
<b>TOTALS</b>		<b>287.11</b>	<b>11.11</b>	<b>11.11</b>	<b>13.80</b>	<b>0.00</b>	<b>7.40</b>	<b>330.53</b>	<b>30.91</b>	<b>361.44</b>

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

**Fertilization decisions should be based on soil tests.**

**Intrepid application is necessary only on refuge acres.**

Table 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, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	519.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	49.17	52.80	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	26.15	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	82.60	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	27.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	4.50	4.14	0.00	0.00	0.00	0.00	5.16
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	2.53	2.75	0.00	0.00	0.00	0.00	5.83
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	2.29	1.72	0.00	0.00	0.00	0.00	7.10
INTEREST ON OP. CAP.	0.79	0.00	0.00	0.00	0.57	3.70	1.98	0.00	0.19	0.00	0.00	0.17
TOTAL DIRECT EXPENSES	18.29	0.00	0.00	0.00	19.62	144.79	89.54	0.00	13.03	0.00	0.00	45.26
NET INCOME	-18.29	0.00	0.00	0.00	-19.62	-144.79	-89.54	0.00	-13.03	0.00	0.00	474.49
NET INCOME TO DATE	-18.29	-18.29	-18.29	-18.29	-37.91	-182.70	-272.24	-272.24	-285.27	-285.27	-285.27	189.22

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

**Fertilization decisions should be based on soil tests.**

**Intrepid application is necessary only on refuge acres.**

\* Lease costs are based on hourly usage costs.

Table 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, 2010

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----PRODUCT PRICE-----													
Corn	2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81		
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-122	-109	-96	-83	-70	-57	-44	-31	-18	-5	7
			-152	-139	-126	-114	-101	-88	-75	-62	-49	-36	-23
60	81.00	bu	-85	-70	-54	-39	-23	-7	7	23	38	54	70
			-116	-101	-85	-69	-54	-38	-23	-7	8	23	39
70	94.50	bu	-49	-31	-13	5	23	41	59	77	95	114	132
			-80	-62	-44	-25	-7	10	28	46	65	83	101
80	108.00	bu	-13	7	28	49	69	90	111	132	153	173	194
			-44	-23	-2	18	38	59	80	101	122	142	163
90	121.50	bu	23	46	69	93	116	139	163	186	210	233	256
			-7	15	38	62	85	109	132	155	179	202	225
100	135.00	bu	59	85	111	137	163	189	215	241	267	293	319
			28	54	80	106	132	158	184	210	236	262	288
110	148.50	bu	95	124	152	181	209	238	267	295	324	352	381
			64	93	121	150	178	207	236	264	293	321	350
120	162.00	bu	131	163	194	225	256	287	318	350	381	412	443
			100	132	163	194	225	256	288	319	350	381	412
130	175.50	bu	168	201	235	269	303	337	370	404	438	472	505
			137	170	204	238	272	306	339	373	407	441	475
140	189.00	bu	204	240	277	313	349	386	422	459	495	531	568
			173	209	246	282	318	355	391	428	464	500	537
150	202.50	bu	240	279	318	357	396	435	474	513	552	591	630
			209	248	287	326	365	404	443	482	521	560	599

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

Table 9.A Estimated costs per acre  
 Grain sorghum, 12-row 30", 100 bu yield goal  
 All Areas, Mississippi, 2010

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

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

Table 9.B Summary of estimated costs and returns per acre  
 Grain sorghum, 12-row 30", 100 bu yield goal  
 All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grain Sorghum	bu	3.62	100.0000	362.00	_____
				-----	
TOTAL INCOME				362.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	7.00	1.0000	7.00	_____
FERTILIZERS	acre	60.01	1.0000	60.01	_____
HERBICIDES	acre	30.48	1.0000	30.48	_____
SEED/PLANTS	acre	10.50	1.0000	10.50	_____
HAULING	acre	20.00	1.0000	20.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1756	1.59	_____
OPERATOR LABOR	hour	11.23	0.4456	5.00	_____
UNALLOCATED LABOR	hour	11.22	0.4010	4.50	_____
DIESEL FUEL	gal	2.22	4.3989	9.77	_____
REPAIR & MAINTENANCE	acre	8.08	1.0000	8.08	_____
INTEREST ON OP. CAP.	acre	3.45	1.0000	3.45	_____
				-----	
TOTAL DIRECT EXPENSES				177.88	_____
RETURNS ABOVE DIRECT EXPENSES				184.12	_____
TOTAL FIXED EXPENSES				28.57	_____
				-----	
TOTAL SPECIFIED EXPENSES				206.45	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				155.55	_____

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

Table 9.C Estimated resource use for field operations, per acre  
 Grain sorghum, 12-row 30", 100 bu yield goal  
 All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Apr		0.04	0.04	0.08	0.03
DAP	cwt					0.7600				
Potash (60% K20)	cwt					0.5800				
Disk Harrow	24'	MFWD 170	0.081	1.00	Apr		0.08	0.08	0.08	0.07
Field Cultivate Fld	32'	MFWD 170	0.046	1.00	Apr		0.04	0.04	0.04	0.04
Plant - Rigid	12R-20	MFWD 170	0.094	1.00	May		0.09	0.09	0.18	0.08
Sorghum Concept	lb					6.0000				
Custom Spray	acre			1.00	May	1.0000				
Bicep II Magnum	qt					3.0000				
Fert Appl (Liquid)	12R-30	MFWD 170	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN (32% N)	cwt					3.0690				
Header Wheat/Sorghum	25' Rigid	265 hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Sorghum	bu					100.0000				
TOTALS							0.44	0.44	0.62	0.40

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

Table 9.D Estimated costs for field operations, per acre  
 Grain sorghum, 12-row 30", 100 bu yield goal  
 All Areas, Mississippi, 2010

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

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

Table 9.E Estimated monthly income and expense flows per acre  
 Grain sorghum, 12-row 30", 100 bu yield goal  
 All Areas, Mississippi, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	362.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	27.60	32.41	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.48	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.50	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.02	4.89	0.00	0.00	0.00	2.18
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	3.32	3.36	0.00	0.00	0.00	3.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.08	3.06	0.00	0.00	0.00	2.94
INTEREST ON OP. CAP.	0.79	0.00	0.00	0.00	0.00	0.00	0.84	1.72	0.00	0.00	0.00	0.10
TOTAL DIRECT EXPENSES	18.29	0.00	0.00	0.00	0.00	0.00	37.86	93.42	0.00	0.00	0.00	28.31
NET INCOME	-18.29	0.00	0.00	0.00	0.00	0.00	-37.86	-93.42	0.00	0.00	0.00	333.69
NET INCOME TO DATE	-18.29	-18.29	-18.29	-18.29	-18.29	-18.29	-56.15	-149.57	-149.57	-149.57	-149.57	184.12

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

**Fertilization decisions should be based on soil tests.**

\* Lease costs are based on hourly usage costs.



Table 9.F Estimated returns for various price/yield combinations, per acre  
 Grain sorghum, 12-row 30", 100 bu yield goal  
 All Areas, Mississippi, 2010

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

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

Table 10.A Estimated costs per acre  
 Wheat followed by soybeans, 70 bu yield goal  
 All Areas, Mississippi, 2010

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

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

**Fertilization decisions should be based on soil tests.**

Table 10.B Summary of estimated costs and returns per acre  
 Wheat followed by soybeans, 70 bu yield goal  
 All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	4.70	70.0000	329.00	_____
				-----	
TOTAL INCOME				329.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	18.00	1.0000	18.00	_____
FERTILIZERS	acre	91.63	1.0000	91.63	_____
FUNGICIDES	acre	17.87	1.0000	17.87	_____
HERBICIDES	acre	23.90	1.0000	23.90	_____
SEED/PLANTS	acre	26.10	1.0000	26.10	_____
ADJUVANTS	acre	5.89	1.0000	5.89	_____
CUSTOM FERTILIZE	acre	19.60	1.0000	19.60	_____
HAULING	acre	14.00	1.0000	14.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1363	1.23	_____
OPERATOR LABOR	hour	11.23	0.3670	4.12	_____
UNALLOCATED LABOR	hour	11.27	0.2936	3.31	_____
DIESEL FUEL	gal	2.22	3.7114	8.24	_____
REPAIR & MAINTENANCE	acre	6.50	1.0000	6.50	_____
INTEREST ON OP. CAP.	acre	6.12	1.0000	6.12	_____
				-----	
TOTAL DIRECT EXPENSES				264.01	_____
RETURNS ABOVE DIRECT EXPENSES				64.99	_____
TOTAL FIXED EXPENSES				24.69	_____
				-----	
TOTAL SPECIFIED EXPENSES				288.70	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				40.30	_____

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

Table 10.C Estimated resource use for field operations, per acre  
 Wheat followed by soybeans, 70 bu yield goal  
 All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Sep	0.5000				
Disk Harrow	24'	MFWD 170	0.081	1.00	Sep		0.08	0.08	0.08	0.06
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Sep		0.04	0.04	0.08	0.03
DAP	cwt					1.0000				
Potash (60% K2O)	cwt					0.7500				
Field Cultivate Fld	32'	MFWD 170	0.046	1.00	Sep		0.04	0.04	0.04	0.03
Grain Drill	20'	MFWD 170	0.094	1.00	Oct		0.09	0.09	0.18	0.07
Wheat Seed Private	lb					90.0000				
App by Air ( 5 gal)	appl			1.00	Nov	1.0000				
Osprey	oz					4.7500				
Surfactant	pt					1.5000				
App Fert by Air	cwt			1.00	Feb	1.4000				
Fert 41-0-0-4	cwt					1.4000				
App by Air ( 5 gal)	appl			1.00	Feb	1.0000				
Harmony Extra SG	oz					0.9000				
Surfactant	pt					0.1000				
App Fert by Air	cwt			1.00	Mar	1.4000				
Fert 41-0-0-4	cwt					1.4000				
App by Air ( 5 gal)	appl			1.00	Apr	1.0000				
Quilt	pt					0.8750				
Header Wheat/Sorghum	25' Rigid	265 hp	0.102	1.00	Jun		0.10	0.10	0.10	0.08
Haul Wheat	bu					70.0000				
TOTALS							0.36	0.36	0.50	0.29

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

**Fertilization decisions should be based on soil tests.**

Table 10.D Estimated costs for field operations, per acre  
 Wheat followed by soybeans, 70 bu yield goal  
 All Areas, Mississippi, 2010

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

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

Table 10.E Estimated monthly income and expense flows per acre  
 Wheat followed by soybeans, 70 bu yield goal  
 All Areas, Mississippi, 2010

ITEM	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	329.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	6.00	0.00	6.00	0.00	0.00
FERTILIZERS	0.00	0.00	35.97	0.00	0.00	0.00	0.00	27.83	27.83	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.87	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	14.01	0.00	0.00	9.89	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	5.52	0.00	0.00	0.37	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	9.80	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.00
CUSTOM LIME	0.00	0.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	3.83	2.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	3.32	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.09
REPAIR & MAINTENANCE	0.00	0.00	2.08	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94
INTEREST ON OP. CAP.	0.00	0.00	2.34	1.08	0.77	0.00	0.00	1.01	0.57	0.27	0.00	0.08
TOTAL DIRECT EXPENSES	0.00	0.00	65.04	33.25	26.30	0.00	0.00	54.90	38.20	24.14	0.00	22.18
NET INCOME	0.00	0.00	-65.04	-33.25	-26.30	0.00	0.00	-54.90	-38.20	-24.14	0.00	306.82
NET INCOME TO DATE	0.00	0.00	-65.04	-98.29	-124.59	-124.59	-124.59	-179.49	-217.69	-241.83	-241.83	64.99

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

**Fertilization decisions should be based on soil tests.**

\* Lease costs are based on hourly usage costs.

Table 10.F Estimated returns for various price/yield combinations, per acre  
Wheat followed by soybeans, 70 bu yield goal  
All Areas, Mississippi, 2010

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

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





## APPENDIX

Appendix Table 1. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use and direct and fixed cost per hour, Mississippi, 2010

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	-----\$/hour-----					
Combine (250-299 hp)	265 hp	218,222	300	8	13.64	11.23	30.28	22.73	64.24	97.81	162.05
Combine (300-349 hp)	325 hp	245,060	300	8	16.73	11.23	37.14	25.52	73.89	109.84	183.73
Combine (350-399 hp)	355 hp	265,425	300	8	18.27	11.23	40.55	27.64	79.43	118.96	198.40
Combine (400-449 hp)	425 hp	295,385	300	8	21.87	11.23	48.56	30.76	90.56	132.39	222.96
Combine (450-499hp)	475 hp	311,593	300	8	24.44	11.23	54.27	32.45	97.96	139.66	237.62
Cotton Stripper	173 hp	145,021	200	8	8.08	11.23	17.93	22.65	51.82	97.50	149.32
Tractor( 20-39hp)CB	MFWD 30	22,489	600	8	1.54	11.23	3.42	0.70	15.36	4.66	20.02
Tractor( 20-39hp)RB	MFWD 30	17,515	600	8	1.54	11.23	3.42	0.54	15.20	3.63	18.84
Tractor( 40-59hp)CB	2WD 50	27,323	600	8	2.57	11.23	5.71	0.85	17.79	5.67	23.46
Tractor( 40-59hp)CB	MFWD 50	31,011	600	8	2.57	11.23	5.71	0.96	17.91	6.43	24.34
Tractor( 40-59hp)RB	2WD 50	21,340	600	8	2.57	11.23	5.71	0.66	17.61	4.42	22.03
Tractor( 40-59hp)RB	MFWD 50	25,324	600	8	2.57	11.23	5.71	0.79	17.73	5.25	22.99
Tractor( 60-89hp)CB	2WD 75	37,648	600	8	3.86	11.23	8.57	1.17	20.97	7.81	28.79
Tractor( 60-89hp)CB	MFWD 75	41,918	600	8	3.86	11.23	8.57	1.30	21.11	8.70	29.81
Tractor( 60-89hp)RB	2WD 75	30,393	600	8	3.86	11.23	8.57	0.94	20.74	6.30	27.05
Tractor( 60-89hp)RB	MFWD 75	34,785	600	8	3.86	11.23	8.57	1.08	20.88	7.22	28.10
Tractor( 90-119hp)CB	2WD 105	60,333	600	8	5.40	11.23	11.99	1.88	25.11	12.52	37.63
Tractor( 90-119hp)CB	MFWD 105	67,402	600	8	5.40	11.23	11.99	2.10	25.33	13.99	39.32
Tractor( 90-119hp)RB	2WD 105	46,708	600	8	5.40	11.23	11.99	1.45	24.68	9.69	34.38
Tractor( 90-119hp)RB	MFWD 105	52,037	600	8	5.40	11.23	11.99	1.62	24.85	10.80	35.65
Tractor(120-139hp)CB	2WD 130	84,260	600	8	6.69	11.23	14.85	2.63	28.71	17.48	46.20
Tractor(120-139hp)CB	MFWD 130	91,323	600	8	6.69	11.23	14.85	2.85	28.93	18.95	47.89
Tractor(140-159hp)CB	2WD 150	98,933	600	8	7.72	11.23	17.14	3.09	31.46	20.53	51.99
Tractor(140-159hp)CB	MFWD 150	107,720	600	8	7.72	11.23	17.14	3.36	31.73	22.35	54.09
Tractor(160-179hp)CB	2WD 170	108,217	600	8	8.75	11.23	19.42	3.38	34.03	23.35	57.39
Tractor(160-179hp)CB	MFWD 170	123,668	600	8	8.75	11.23	19.42	3.86	34.52	26.69	61.21
Tractor(180-199hp)CB	MFWD 190	128,470	600	8	9.77	11.23	21.71	4.01	36.95	27.72	64.68
Tractor(200-249hp)CB	MFWD 225	153,821	600	8	11.58	11.23	25.71	4.80	41.74	33.20	74.94
Tractor(200-249hp)CB	Track 225	180,007	600	8	11.58	11.23	25.71	5.62	42.56	38.85	81.41
Tractor(250-349hp)CB	4WD 300	191,494	600	8	15.44	11.23	34.28	5.98	51.49	41.33	92.82
Tractor(250-349hp)CB	MFWD 300	186,975	600	8	15.44	11.23	34.28	5.84	51.35	40.35	91.71
Tractor(250-349hp)CB	Track 300	197,980	600	8	15.44	11.23	34.28	6.18	51.69	42.73	94.42
Tractor(350-449hp)CB	4WD 400	219,927	600	8	20.58	11.23	45.70	6.87	63.81	47.46	111.27
Tractor(350-449hp)CB	Track 400	258,225	600	8	20.58	11.23	45.70	8.06	65.00	55.73	120.74
Tractor(450-550hp)CB	4WD 500	258,778	600	8	25.73	11.23	57.13	8.08	76.45	55.85	132.30
Tractor(450-550hp)CB	Track 500	283,094	600	8	25.73	11.23	57.13	8.84	77.21	61.10	138.31
Utility Vehicle	600 CC	10,920	200	8	0.50	11.23	1.23	1.70	14.17	7.34	21.51
Utility Vehicle	800 CC	13,687	200	8	0.70	11.23	1.72	2.13	15.09	9.20	24.29

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

Appendix Table 2. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Mississippi, 2010

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
Backhoe	2WD Cab	71,348	0	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker-1st-BB	4R-30(250)	261,825	200	8	12.86	0.327	6.64	9.35	13.39	29.38	57.62	87.01
Cotton Picker-1st-BB	4R-30(350)	311,088	200	8	18.01	0.327	6.64	13.09	15.91	35.64	68.47	104.12
Cotton Picker-1st-BB	4R-38(255)	262,818	200	8	13.12	0.257	5.23	7.51	10.58	23.32	45.54	68.87
Cotton Picker-1st-BB	4R-38(350)	325,618	200	8	18.01	0.257	5.23	10.30	13.11	28.65	56.43	85.08
Cotton Picker-1st-BB	4R2x1(350)	353,354	200	8	18.01	0.172	3.49	6.89	9.51	19.90	40.93	60.83
Cotton Picker-1st-BB	5R-30(250)	285,303	200	8	12.86	0.261	5.31	7.48	11.67	24.47	50.23	74.70
Cotton Picker-1st-BB	5R-36(250)	290,471	200	8	12.86	0.207	4.20	5.91	9.40	19.52	40.46	59.99
Cotton Picker-1st-BB	6R-30(355)	405,906	200	8	18.27	0.218	4.42	8.85	13.84	27.12	59.56	86.68
Cotton Picker-1st-BB	6R-38(355)	404,462	200	8	18.27	0.172	3.49	6.98	10.88	21.37	46.85	68.23
Cotton Picker-1st-Tr	4R-30(250)	261,825	200	8	12.86	0.327	6.64	9.35	13.39	29.38	57.62	87.01
Cotton Picker-1st-Tr	4R-30(350)	311,088	200	8	18.01	0.327	6.64	13.09	15.91	35.64	68.47	104.12
Cotton Picker-1st-Tr	4R-38(255)	262,818	200	8	13.12	0.257	5.23	7.51	10.58	23.32	45.54	68.87
Cotton Picker-1st-Tr	4R-38(350)	325,618	200	8	18.01	0.257	5.23	10.30	13.11	28.65	56.43	85.08
Cotton Picker-1st-Tr	4R2x1(350)	353,354	200	8	18.01	0.172	3.49	6.89	9.51	19.90	40.93	60.83
Cotton Picker-1st-Tr	5R-30(250)	285,303	200	8	12.86	0.261	5.31	7.48	11.67	24.47	50.23	74.70
Cotton Picker-1st-Tr	5R-36(250)	290,471	200	8	12.86	0.207	4.20	5.91	9.40	19.52	40.46	59.99
Cotton Picker-1st-Tr	6R-30(355)	405,906	200	8	18.27	0.218	4.42	8.85	13.84	27.12	59.56	86.68
Cotton Picker-1st-Tr	6R-38(355)	404,462	200	8	18.27	0.172	3.49	6.98	10.88	21.37	46.85	68.23
Cotton Picker-2nd-BB	4R-30(250)	261,825	200	8	12.86	0.277	5.62	7.92	11.34	24.89	48.81	73.70
Cotton Picker-2nd-BB	4R-30(350)	311,088	200	8	18.01	0.277	5.62	11.09	13.47	30.19	58.00	88.19
Cotton Picker-2nd-BB	4R-38(255)	262,818	200	8	13.12	0.218	4.43	6.36	8.96	19.75	38.58	58.34
Cotton Picker-2nd-BB	4R-38(350)	325,618	200	8	18.01	0.218	4.43	8.73	11.10	24.27	47.80	72.07
Cotton Picker-2nd-BB	4R2x1(350)	353,354	200	8	18.01	0.145	2.96	5.83	8.05	16.85	34.67	51.53
Cotton Picker-2nd-BB	5R-30(250)	285,303	200	8	12.86	0.221	4.50	6.33	9.88	20.72	42.55	63.28
Cotton Picker-2nd-BB	5R-36(250)	290,471	200	8	12.86	0.175	3.56	5.01	7.96	16.54	34.27	50.81
Cotton Picker-2nd-BB	6R-30(355)	405,906	200	8	18.27	0.184	3.75	7.49	11.72	22.97	50.45	73.42
Cotton Picker-2nd-BB	6R-38(355)	404,462	200	8	18.27	0.145	2.96	5.92	9.22	18.10	39.68	57.79
Cotton Picker-2nd-Tr	4R-30(250)	261,825	200	8	12.86	0.277	5.62	7.92	11.34	24.89	48.81	73.70
Cotton Picker-2nd-Tr	4R-30(350)	311,088	200	8	18.01	0.277	5.62	11.09	13.47	30.19	58.00	88.19
Cotton Picker-2nd-Tr	4R-38(255)	262,818	200	8	13.12	0.218	4.43	6.36	8.96	19.75	38.58	58.34
Cotton Picker-2nd-Tr	4R-38(350)	325,618	200	8	18.01	0.218	4.43	8.73	11.10	24.27	47.80	72.07
Cotton Picker-2nd-Tr	4R2x1(350)	353,354	200	8	18.01	0.145	2.96	5.83	8.05	16.85	34.67	51.53
Cotton Picker-2nd-Tr	5R-30(250)	285,303	200	8	12.86	0.221	4.50	6.33	9.88	20.72	42.55	63.28
Cotton Picker-2nd-Tr	5R-38(250)	290,471	200	8	12.86	0.175	3.56	5.01	7.96	16.54	34.27	50.81
Cotton Picker-2nd-Tr	6R-30(355)	405,906	200	8	18.27	0.184	3.75	7.49	11.72	22.97	50.45	73.42
Cotton Picker-2nd-Tr	6R-38(355)	404,462	200	8	18.27	0.145	2.96	5.92	9.22	18.10	39.68	57.79
Cotton Picker/Module	4R-38(365)	456,003	200	8	18.78	0.257	5.23	10.75	18.36	34.34	79.03	113.37
Cotton Picker/Module	6R-30(365)	507,464	200	8	18.78	0.218	4.42	9.10	17.30	30.83	74.46	105.29
Cotton Picker/Module	6R-30(500)	553,245	200	8	25.73	0.218	4.42	12.46	18.86	35.76	81.18	116.94
Cotton Picker/Module	6R-38(365)	505,999	200	8	18.78	0.172	3.49	7.18	13.62	24.30	58.61	82.92
Cotton Picker/Module	6R-38(500)	554,375	200	8	25.73	0.172	3.49	9.84	14.92	28.26	64.22	92.49
Dry Applicator SP	70' 300cuft	328,945	350	8	16.98	0.015	0.23	0.56	0.26	1.07	1.90	2.98
Sprayer 110Gal	30' 47hp	43,696	350	8	2.41	0.035	0.55	0.18	0.08	0.82	0.59	1.41
Sprayer 300-450gal	60' 117hp	94,162	350	8	5.66	0.017	0.27	0.22	0.08	0.58	0.63	1.22
Sprayer 300-450gal	80' 125hp	96,671	350	8	6.43	0.013	0.20	0.18	0.06	0.46	0.49	0.95
Sprayer 600-750gal	60' 175hp	146,177	350	8	9.00	0.017	0.27	0.35	0.13	0.76	0.99	1.75
Sprayer 600-825gal	80' 229hp	180,785	350	8	11.81	0.013	0.20	0.34	0.12	0.68	0.91	1.60
Sprayer 600-825gal	90' 247hp	195,439	350	8	12.73	0.011	0.18	0.33	0.12	0.64	0.88	1.52
Sprayer 1000-1400gal	90' 275hp	222,643	350	8	14.15	0.010	0.16	0.33	0.12	0.62	0.90	1.53
Sprayer 1000gal	100' 275hp	199,997	350	8	14.15	0.010	0.16	0.33	0.11	0.61	0.81	1.42
Sprayer 1000gal	100' 300hp	258,435	350	8	15.44	0.010	0.16	0.36	0.14	0.67	1.05	1.72
Sprayer 1200+gal	120' 300hp	253,395	350	8	15.44	0.008	0.13	0.30	0.11	0.56	0.85	1.41
Utility Vehicle	20'	13,687	200	8	0.70	0.052	0.83	0.09	0.11	1.03	0.48	1.52
Utility Vehicle	75" Rope W	10,920	200	8	0.50	0.167	2.64	0.20	0.28	3.13	1.23	4.37

## Notes:

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

Direct: Does not include interest on operating capital.

BB = Boll Buggy, Tr = Trailer

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

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-----							
Bed/Cond./Roll-Fold.	21'	MFWD 190	15,239	160	10	0.089	1.00	1.93	0.34	0.35	3.63	0.99	2.47	7.10
Bed/Cond./Roll-Fold.	26'	MFWD 190	22,644	160	10	0.072	0.80	1.56	0.40	0.28	3.07	1.19	1.99	6.26
Bed/Cond./Roll-Fold.	30'	MFWD 190	29,435	160	10	0.062	0.70	1.35	0.45	0.25	2.76	1.34	1.73	5.84
Bed/Cond./Roll-Fold.	40'	MFWD 225	32,537	160	10	0.046	0.52	1.20	0.38	0.22	2.33	1.11	1.55	5.00
Bed/Cond./Roll-Rigid	21'	MFWD 190	18,093	160	10	0.089	1.00	1.93	0.40	0.35	3.70	1.18	2.47	7.35
Bed/Cond./Roll-Rigid	26'	MFWD 190	19,057	160	10	0.072	0.80	1.56	0.34	0.28	3.00	1.00	1.99	6.01
Bed/Cond./Roll-Rigid	30'	MFWD 190	17,288	160	10	0.062	0.70	1.35	0.27	0.25	2.57	0.78	1.73	5.10
Bed/Cond./Roll-Rigid	40'	MFWD 225	22,543	160	10	0.046	0.52	1.20	0.26	0.22	2.22	0.77	1.55	4.54
Bedder Roller Fold.	8R-38	MFWD 190	25,495	160	10	0.074	0.83	1.60	0.47	0.29	3.21	1.38	2.05	6.64
Bedder Roller Fold.	12R-30	MFWD 225	27,495	160	10	0.062	0.70	1.60	0.42	0.30	3.03	1.25	2.07	6.36
Bedder Roller-Fold.	12R-38	MFWD 225	29,995	160	10	0.049	0.55	1.26	0.36	0.23	2.42	1.08	1.63	5.14
Bedder Roller-Fold.	16R-30	MFWD 225	31,295	160	10	0.046	0.52	1.20	0.36	0.22	2.32	1.07	1.55	4.95
Bedder Roller-Rigid	8R-38	MFWD 190	18,995	160	10	0.074	0.83	1.60	0.35	0.29	3.09	1.02	2.05	6.17
Blade-Box	6'-7'	2WD 130	1,583	200	20	0.020	0.22	0.29	0.01	0.05	0.58	0.01	0.34	0.95
Blade-Box	8'-10'	2WD 50	4,439	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Box	12'-16'	2WD 50	6,172	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	6'-7'	2WD 50	1,157	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	8'-10'	2WD 50	3,069	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	12'-16'	2WD 50	5,934	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boll Buggy-1st pick	4R-30(250)	MFWD 190	25,530	200	10	0.327	3.67	7.10	2.08	1.31	14.18	4.72	9.07	27.99
Boll Buggy-1st pick	4R-30(325)	MFWD 190	25,530	200	10	0.327	3.67	7.10	2.08	1.31	14.18	4.72	9.07	27.99
Boll Buggy-1st pick	4R-38(255)	MFWD 190	25,530	200	10	0.257	2.89	5.59	1.64	1.03	11.17	3.72	7.14	22.04
Boll Buggy-1st pick	4R-38(325)	MFWD 190	25,530	200	10	0.257	2.89	5.59	1.64	1.03	11.17	3.72	7.14	22.04
Boll Buggy-1st pick	4R2x1(350)	MFWD 190	25,530	200	10	0.172	1.93	3.74	1.09	0.69	7.46	2.48	4.77	14.73
Boll Buggy-1st pick	5R-30(255)	MFWD 190	25,530	200	10	0.261	2.94	5.68	1.67	1.05	11.35	3.78	7.26	22.39
Boll Buggy-1st pick	5R-38(250)	MFWD 190	25,530	200	10	0.207	2.32	4.49	1.32	0.83	8.97	2.99	5.74	17.71
Boll Buggy-1st pick	6R-30(325)	MFWD 190	25,530	200	10	0.218	2.45	4.73	1.39	0.87	9.45	3.15	6.05	18.66
Boll Buggy-1st pick	6R-38(330)	MFWD 190	25,530	200	10	0.172	1.93	3.74	1.09	0.69	7.46	2.48	4.77	14.73
Boll Buggy-2nd pick	4R-30(250)	MFWD 190	25,530	200	10	0.277	3.11	6.02	1.76	1.11	12.01	4.00	7.68	23.71
Boll Buggy-2nd pick	4R-30(325)	MFWD 190	25,530	200	10	0.277	3.11	6.02	1.76	1.11	12.01	4.00	7.68	23.71
Boll Buggy-2nd pick	4R-38(255)	MFWD 190	25,530	200	10	0.218	2.45	4.74	1.39	0.87	9.46	3.15	6.05	18.67
Boll Buggy-2nd pick	4R-38(325)	MFWD 190	25,530	200	10	0.218	2.45	4.74	1.39	0.87	9.46	3.15	6.05	18.67
Boll Buggy-2nd pick	4R2x1(350)	MFWD 190	25,530	200	10	0.145	1.63	3.16	0.93	0.58	6.32	2.10	4.04	12.48
Boll Buggy-2nd pick	5R-30(255)	MFWD 190	25,530	200	10	0.221	2.49	4.81	1.41	0.89	9.61	3.20	6.15	18.97
Boll Buggy-2nd pick	5R-38(250)	MFWD 190	25,530	200	10	0.175	1.97	3.81	1.12	0.70	7.60	2.53	4.86	15.00
Boll Buggy-2nd pick	6R-30(325)	MFWD 190	25,530	200	10	0.184	2.07	4.01	1.17	0.74	8.01	2.67	5.12	15.80
Boll Buggy-2nd pick	6R-38(330)	MFWD 190	25,530	200	10	0.145	1.63	3.16	0.93	0.58	6.32	2.10	4.04	12.48
Boll Buggy-Stripper	13' Bcast	MFWD 150	25,530	200	10	0.251	2.82	4.31	1.60	0.84	9.59	3.63	5.63	18.86
Boll Buggy-Stripper	16' Bcast	MFWD 150	25,530	200	10	0.204	2.29	3.50	1.30	0.68	7.79	2.95	4.57	15.33
Boll Buggy-Stripper	19' Bcast	MFWD 150	25,530	200	10	0.172	1.93	2.95	1.09	0.58	6.56	2.48	3.85	12.91
Boll Buggy-Stripper	4R-30 2x1	MFWD 150	25,530	200	10	0.218	2.45	3.74	1.39	0.73	8.31	3.15	4.87	16.35
Boll Buggy-Stripper	4R-36	MFWD 150	25,530	200	10	0.272	3.06	4.67	1.74	0.91	10.39	3.94	6.10	20.44
Boll Buggy-Stripper	4R-38	MFWD 150	25,530	200	10	0.257	2.89	4.41	1.64	0.86	9.82	3.72	5.76	19.31
Boll Buggy-Stripper	4R-38 2x1	MFWD 150	25,530	200	10	0.172	1.93	2.95	1.09	0.58	6.56	2.48	3.85	12.91
Boll Buggy-Stripper	5R-30	MFWD 150	25,530	200	10	0.261	2.94	4.48	1.67	0.88	9.98	3.78	5.85	19.62
Boll Buggy-Stripper	5R-38	MFWD 150	25,530	200	10	0.207	2.32	3.55	1.32	0.69	7.89	2.99	4.63	15.52
Boll Buggy-Stripper	6R-30	MFWD 150	25,530	200	10	0.218	2.45	3.74	1.39	0.73	8.31	3.15	4.87	16.35
Boll Buggy-Stripper	6R-38	MFWD 150	25,530	200	10	0.172	1.93	2.95	1.09	0.58	6.56	2.48	3.85	12.91
Boll Buggy-Stripper	8R-30	MFWD 150	25,530	200	10	0.163	1.83	2.80	1.04	0.55	6.23	2.36	3.66	12.26
Boll Buggy-Stripper	8R-36/38	MFWD 150	25,530	200	10	0.129	1.45	2.21	0.82	0.43	4.93	1.86	2.89	9.69
Chisel Plow-Folding	16'	2WD 130	13,554	150	12	0.115	1.29	1.71	0.56	0.30	3.88	1.09	2.02	7.00
Chisel Plow-Folding	24'	MFWD 190	29,673	150	12	0.076	0.85	1.65	0.81	0.30	3.64	1.59	2.11	7.35
Chisel Plow-Folding	32'	MFWD 225	34,822	150	12	0.057	0.64	1.48	0.72	0.27	3.13	1.41	1.91	6.46
Chisel Plow-Folding	42'	MFWD 225	39,728	150	12	0.044	0.49	1.13	0.63	0.21	2.46	1.22	1.46	5.15
Chisel Plow-Folding	50'	MFWD 225	61,644	150	10	0.036	0.41	0.95	0.98	0.17	2.53	1.77	1.22	5.53
Chisel Plow-Folding	61'	MFWD 225	68,483	150	12	0.030	0.34	0.77	0.74	0.14	2.01	1.45	1.00	4.47
Chisel Plow-Rigid	8'	MFWD 150	7,463	150	12	0.231	2.59	3.96	0.62	0.77	7.95	1.21	5.16	14.33
Chisel Plow-Rigid	10'	MFWD 170	9,136	150	12	0.184	2.07	3.59	0.60	0.71	6.99	1.18	4.93	13.11
Chisel Plow-Rigid	12'	MFWD 170	12,242	150	12	0.154	1.73	2.99	0.68	0.59	5.99	1.32	4.11	11.43
Chisel Plow-Rigid	14'	MFWD 190	12,379	150	12	0.132	1.48	2.86	0.59	0.53	5.47	1.14	3.66	10.27
Chisel Plow-Rigid	15'	2WD 130	7,465	150	12	0.123	1.38	1.83	0.33	0.32	3.87	0.64	2.15	6.67
Chisel Plow-Rigid	18'	MFWD 225	21,779	150	12	0.102	1.15	2.64	0.80	0.49	5.09	1.57	3.41	10.07
Chisel Plow-Rigid	24'	MFWD 190	9,481	150	12	0.077	0.86	1.67	0.26	0.30	3.11	0.51	2.13	5.75
Chisel-Harrow	21 shank	2WD 190	11,146	150	12	0.088	0.98	1.91	0.35	0.30	3.55	0.68	2.08	6.33
Chisel-Harrow	27 shank	MFWD 225	13,583	150	12	0.068	0.76	1.76	0.33	0.32	3.19	0.65	2.27	6.12
Coulter-Chisel-Harrow	21 shank	2WD 190	18,800	150	12	0.088	0.98	1.91	0.59	0.30	3.80	1.16	2.08	7.05
Coulter-Chisel-Harrow	27 shank	MFWD 225	23,424	150	12	0.068	0.76	1.76	0.57	0.32	3.43	1.12	2.27	6.83
Cultivate	4R-30	2WD 105	10,430	150	10	0.206	2.31	2.47	0.57	0.38	5.75	1.67	2.58	10.01
Cultivate	4R-38	2WD 105	10,509	150	10	0.162	1.82	1.94	0.45	0.23	4.46	1.32	1.57	7.36
Cultivate	6R-30	MFWD 150	14,670	150	10	0.137	1.54	2.35	0.53	0.46	4.90	1.57	3.07	9.54
Cultivate	6R-38	MFWD 150	15,667	150	10	0.108	1.21	1.86	0.45	0.36	3.89	1.32	2.42	7.65
Cultivate	8R-30	MFWD 190	19,649	150	10	0.103	1.15	2.23	0.54	0.41	4.35	1.57	2.85	8.79
Cultivate	8R-38	MFWD 190	22,252	150	10	0.073	0.82	1.59	0.43	0.29	3.15	1.27	2.04	6.47
Cultivate	8R-38 2x1	MFWD 190	29,523	150	10	0.054	0.60	1.17	0.42	0.21	2.43	1.24	1.50	5.18
Cultivate	10R-30	MFWD 225	33,030	150	10	0.082	0.92	2.12	0.72	0.39	4.17	2.12	2.73	9.03
Cultivate	12R-30	MFWD 225	36,844	150	10	0.068	0.77	1.76	0.67	0.33	3.54	1.97	2.28	7.80
Cultivate	12R-38	MFWD 225	35,800	150	10	0.054	0.60	1.39	0.51	0.26	2.78	1.51	1.80	6.10
Cultivate	16R-30	MFWD 225	45,177	150	10	0.051	0.57	1.32	0.62	0.24	2.77	1.81	1.71	6.30

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Cultivate & Post	4R-30	2WD 105	15,453	150	10	0.220	3.46	2.63	0.90	0.32	7.33	2.64	2.13	12.11
Cultivate & Post	4R-38	2WD 105	15,532	150	10	0.173	2.73	2.07	0.71	0.25	5.77	2.09	1.67	9.55
Cultivate & Post	6R-30	MFWD 150	19,692	150	10	0.146	2.31	2.51	0.77	0.49	6.08	2.25	3.27	11.61
Cultivate & Post	6R-38	MFWD 150	20,690	150	10	0.115	1.82	1.98	0.63	0.38	4.83	1.86	2.58	9.29
Cultivate & Post	8R-30	MFWD 190	24,672	150	10	0.110	1.73	2.38	0.72	0.44	5.28	2.11	3.05	10.45
Cultivate & Post	8R-38	MFWD 190	27,274	150	10	0.086	1.37	1.88	0.63	0.34	4.24	1.84	2.41	8.49
Cultivate & Post	8R-38 2x1	MFWD 190	35,992	150	10	0.057	0.91	1.25	0.55	0.23	2.95	1.62	1.60	6.18
Cultivate & Post	10R-30	MFWD 225	28,281	150	10	0.088	1.38	2.26	0.66	0.42	4.73	1.93	2.92	9.59
Cultivate & Post	12R-30	MFWD 225	41,866	150	10	0.073	1.15	1.88	0.81	0.35	4.21	2.39	2.43	9.03
Cultivate & Post	12R-38	MFWD 225	42,269	150	10	0.057	0.91	1.48	0.65	0.27	3.33	1.90	1.92	7.16
Cultivate & Post	16R-30	MFWD 225	50,200	150	10	0.055	0.86	1.41	0.73	0.26	3.28	2.15	1.82	7.25
Disk & Incorporate	14'	2WD 130	28,156	200	10	0.149	2.35	2.22	1.26	0.39	6.24	2.46	2.61	11.32
Disk & Incorporate	24'	MFWD 190	38,631	200	10	0.087	1.37	1.89	1.01	0.35	4.63	1.97	2.42	9.02
Disk & Incorporate	28'	MFWD 225	43,684	200	10	0.074	1.17	1.92	0.98	0.35	4.44	1.91	2.48	8.83
Disk & Incorporate	32'	MFWD 225	49,004	200	10	0.065	1.03	1.68	0.96	0.31	3.99	1.87	2.17	8.04
Disk - Heavy	14'	MFWD 150	18,791	180	10	0.145	1.63	2.50	0.76	0.49	5.39	1.78	3.26	10.43
Disk - Heavy	21'	MFWD 170	29,911	180	10	0.097	1.09	1.89	0.80	0.37	4.16	1.88	2.59	8.65
Disk - Heavy	27'	MFWD 190	34,304	180	10	0.075	0.84	1.64	0.72	0.30	3.51	1.68	2.09	7.30
Disk Bed (Hipper)	4R-38	MFWD 150	9,171	160	10	0.147	1.65	2.53	0.33	0.49	5.02	0.98	3.30	9.31
Disk Bed (Hipper)	6R-30	MFWD 170	11,739	160	10	0.125	1.40	2.42	0.36	0.48	4.68	1.07	3.33	9.09
Disk Bed (Hipper)	6R-38	MFWD 170	11,739	160	10	0.098	1.10	1.91	0.28	0.38	3.69	0.84	2.63	7.17
Disk Bed (Hipper)	8R-30	MFWD 190	14,192	160	10	0.093	1.05	2.03	0.33	0.37	3.79	0.97	2.59	7.36
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	23,230	160	10	0.049	0.55	1.07	0.28	0.19	2.10	0.83	1.36	4.31
Disk Bed (Hipper)	10R-30	MFWD 225	19,392	160	10	0.075	0.84	1.92	0.36	0.36	3.49	1.06	2.49	7.04
Disk Bed (Hipper)	10R-38	MFWD 225	19,573	160	10	0.059	0.66	1.52	0.28	0.28	2.75	0.84	1.96	5.56
Disk Bed (Hipper)	12R-30	MFWD 225	22,482	160	10	0.062	0.70	1.60	0.35	0.30	2.96	1.02	2.07	6.06
Disk Bed (Hipper)	12R-38	MFWD 225	23,230	160	10	0.049	0.55	1.26	0.28	0.23	2.34	0.83	1.63	4.82
Disk Bed (Hipper)Fld	8R-38	MFWD 190	17,006	160	10	0.074	0.83	1.60	0.31	0.29	3.05	0.92	2.05	6.02
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	15,384	160	10	0.074	0.83	1.60	0.28	0.29	3.02	0.83	2.05	5.91
Disk Bed w/roller	8R-30	MFWD 190	19,305	160	10	0.093	1.05	2.03	0.45	0.37	3.91	1.32	2.59	7.83
Disk Bed w/roller	12R-30	MFWD 225	32,450	160	10	0.062	0.70	1.60	0.50	0.30	3.11	1.48	2.07	6.67
Disk Bed w/roller	8R-38	MFWD 190	19,305	160	10	0.074	0.83	1.60	0.35	0.29	3.09	1.04	2.05	6.19
Disk Harrow	14'	2WD 130	23,133	180	10	0.140	1.57	2.08	0.90	0.36	4.93	2.10	2.45	9.49
Disk Harrow	24'	MFWD 190	33,608	180	10	0.081	0.91	1.77	0.76	0.32	3.78	1.78	2.26	7.84
Disk Harrow	28'	MFWD 225	38,662	180	10	0.070	0.78	1.80	0.75	0.33	3.68	1.76	2.32	7.77
Disk Harrow	32'	MFWD 225	43,981	180	10	0.061	0.68	1.57	0.74	0.29	3.31	1.75	2.03	7.10
Disk Harrow	42'	MFWD 225	84,483	180	10	0.046	0.52	1.20	1.09	0.22	3.05	2.56	1.55	7.16
Disk Ripper	15'	MFWD 225	35,238	180	10	0.136	1.52	3.50	1.33	0.65	7.02	3.11	4.52	14.65
Ditcher		2WD 130	4,873	200	10	0.020	0.22	0.29	0.03	0.05	0.61	0.05	0.34	1.02
Ditcher (1m/160a)		2WD 130	4,873	200	10	0.009	0.10	0.13	0.01	0.02	0.28	0.02	0.16	0.47
Fert Appl (Liquid)	4R-38	MFWD 150	15,003	150	8	0.154	2.43	2.65	1.54	0.52	7.15	1.92	3.45	12.54
Fert Appl (Liquid)	6R-30	MFWD 170	18,810	150	8	0.130	2.06	2.54	1.64	0.50	6.75	2.04	3.49	12.29
Fert Appl (Liquid)	6R-38	MFWD 170	14,018	150	8	0.103	1.62	2.00	0.96	0.39	5.00	1.20	2.75	8.96
Fert Appl (Liquid)	8R-30	MFWD 190	16,465	150	8	0.098	1.54	2.13	1.07	0.39	5.15	1.34	2.72	9.21
Fert Appl (Liquid)	8R-38	MFWD 190	18,082	150	8	0.077	1.22	1.68	0.93	0.31	4.15	1.16	2.15	7.47
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	16,415	150	8	0.051	0.81	1.12	0.56	0.20	2.71	0.70	1.43	4.84
Fert Appl (Liquid)	10R-30	MFWD 225	17,205	150	8	0.078	1.23	2.02	0.90	0.37	4.53	1.12	2.60	8.26
Fert Appl (Liquid)	10R-38	MFWD 225	20,403	150	8	0.061	0.97	1.59	0.84	0.29	3.71	1.04	2.05	6.81
Fert Appl (Liquid)	12R-30	MFWD 225	20,304	150	8	0.078	1.23	2.02	1.06	0.37	4.69	1.32	2.60	8.63
Fert Appl (Liquid)	12R-38	MFWD 225	15,100	150	8	0.051	0.81	1.32	0.52	0.24	2.91	0.64	1.71	5.27
Field Cult & Inc	42'	MFWD 225	52,272	100	10	0.037	0.59	0.97	0.49	0.18	2.24	2.30	1.25	5.80
Field Cult & Inc	50'	MFWD 225	62,172	100	10	0.031	0.50	0.81	0.49	0.15	1.96	2.30	1.05	5.32
Field Cult & Inc Fld	24'	MFWD 170	28,282	100	10	0.066	1.04	1.28	0.46	0.25	3.04	2.18	1.76	6.99
Field Cult & Inc Fld	32'	MFWD 190	37,912	100	10	0.049	0.78	1.07	0.46	0.19	2.52	2.19	1.37	6.09
Field Cult & Inc Rdg	12'	2WD 150	14,843	100	10	0.132	2.08	2.26	0.49	0.40	5.24	2.29	2.71	10.25
Field Cultivate Fld	24'	MFWD 170	23,259	100	10	0.062	0.69	1.20	0.36	0.24	2.50	1.69	1.66	5.86
Field Cultivate Fld	32'	MFWD 190	32,889	100	10	0.046	0.52	1.01	0.38	0.18	2.10	1.79	1.29	5.19
Field Cultivate Fld	42'	MFWD 225	45,802	100	10	0.035	0.39	0.91	0.40	0.17	1.89	1.90	1.18	4.97
Field Cultivate Fld	50'	MFWD 225	55,349	100	10	0.029	0.33	0.76	0.41	0.14	1.65	1.93	0.99	4.58
Field Cultivate Rdg	12'	2WD 150	9,821	100	10	0.124	1.39	2.13	0.30	0.38	4.22	1.42	2.55	8.20
Grain Cart Corn	500 bu	MFWD 190	20,856	200	12	0.031	0.35	0.69	0.18	0.12	1.36	0.35	0.88	2.59
Grain Cart Corn	700 bu	MFWD 190	29,243	200	12	0.025	0.28	0.54	0.19	0.10	1.12	0.38	0.69	2.20
Grain Cart Corn	1000 bu	MFWD 225	46,709	200	12	0.025	0.28	0.64	0.31	0.12	1.35	0.61	0.83	2.80
Grain Cart Rice	500 bu	MFWD 190	20,856	200	12	0.062	0.70	1.35	0.35	0.25	2.66	0.68	1.73	5.08
Grain Cart Rice	700 bu	MFWD 190	29,243	200	12	0.055	0.61	1.19	0.43	0.22	2.46	0.84	1.52	4.84
Grain Cart Rice	1000 bu	MFWD 190	46,709	200	12	0.045	0.51	0.99	0.57	0.18	2.27	1.12	1.27	4.67
Grain Cart Soybean	500 bu	MFWD 190	20,856	200	12	0.025	0.28	0.55	0.14	0.10	1.08	0.28	0.70	2.07
Grain Cart Soybean	700 bu	MFWD 190	29,243	200	12	0.021	0.23	0.46	0.16	0.08	0.95	0.32	0.58	1.87
Grain Cart Soybean	1000 bu	MFWD 190	46,709	200	12	0.021	0.23	0.46	0.26	0.08	1.05	0.52	0.58	2.16
Grain Cart Wht/Sor	500 bu	MFWD 190	20,856	200	12	0.025	0.28	0.55	0.14	0.10	1.08	0.28	0.70	2.07
Grain Cart Wht/Sor	700 bu	MFWD 190	29,243	200	12	0.021	0.23	0.46	0.16	0.08	0.95	0.32	0.58	1.87
Grain Cart Wht/Sor	1000 bu	MFWD 190	46,709	200	12	0.021	0.23	0.46	0.26	0.08	1.05	0.52	0.58	2.16
Grain Drill	8'	2WD 130	15,286	150	8	0.235	4.78	3.50	1.35	0.62	10.25	2.87	4.12	17.25
Grain Drill	10'	2WD 130	16,520	150	8	0.188	3.82	2.80	1.16	0.49	8.29	2.48	3.29	14.07
Grain Drill	12'	2WD 130	17,280	150	8	0.157	3.18	2.33	1.01	0.41	6.95	2.16	2.74	11.86
Grain Drill	15'	MFWD 150	23,222	150	8	0.125	2.55	2.15	1.09	0.42	6.22	2.32	2.81	11.36
Grain Drill	15' 11R-15	MFWD 150	34,024	150	8	0.125	2.55	2.15	1.60	0.42	6.73	3.40	2.81	12.95
Grain Drill	20'	MFWD 170	31,741	150	8	0.094	1.91	1.83	1.12	0.36	5.23	2.38	2.51	10.13

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Grain Drill	20'	15R-15 MFWD 170	39,491	150	8	0.094	1.91	1.83	1.39	0.36	5.50	2.96	2.51	10.99
Grain Drill	24'	MFWD 190	48,834	150	8	0.078	1.59	1.70	1.43	0.31	5.05	3.05	2.17	10.29
Grain Drill	25'	15R-15 MFWD 190	50,026	150	8	0.075	1.53	1.63	1.41	0.30	4.88	3.00	2.09	9.98
Grain Drill	30'	MFWD 225	50,228	150	8	0.062	1.27	1.61	1.18	0.30	4.37	2.51	2.08	8.98
Grain Drill	35'	MFWD 225	62,592	150	8	0.053	1.09	1.38	1.26	0.25	4.00	2.68	1.78	8.47
Grain Drill	40'	MFWD 225	82,954	150	8	0.047	0.95	1.21	1.46	0.22	3.86	3.11	1.56	8.54
Grain Drill & Pre	8'	2WD 130	20,308	150	8	0.253	5.15	3.77	1.93	0.66	11.52	4.10	4.43	20.07
Grain Drill & Pre	10'	2WD 130	21,543	150	8	0.203	4.12	3.01	1.64	0.53	9.31	3.48	3.55	16.35
Grain Drill & Pre	12'	2WD 130	22,302	150	8	0.169	3.43	2.51	1.41	0.44	7.80	3.00	2.95	13.77
Grain Drill & Pre	15'	MFWD 150	28,245	150	8	0.135	2.74	2.32	1.43	0.45	6.95	3.04	3.02	13.03
Grain Drill & Pre	15'	11R-15 MFWD 150	39,046	150	8	0.135	2.74	2.32	1.98	0.45	7.50	4.21	3.02	14.74
Grain Drill & Pre	20'	MFWD 170	36,764	150	8	0.101	2.06	1.97	1.39	0.39	5.82	2.97	2.71	11.51
Grain Drill & Pre	20'	15R-15 MFWD 170	44,514	150	8	0.101	2.06	1.97	1.69	0.39	6.12	3.60	2.71	12.43
Grain Drill & Pre	24'	MFWD 190	53,857	150	8	0.084	1.71	1.83	1.70	0.33	5.60	3.63	2.34	11.58
Grain Drill & Pre	25'	15R-15 MFWD 190	55,048	150	8	0.081	1.64	1.76	1.67	0.32	5.41	3.56	2.25	11.23
Grain Drill & Pre	30'	MFWD 225	55,250	150	8	0.067	1.37	1.74	1.40	0.32	4.84	2.98	2.24	10.07
Grain Drill & Pre	35'	MFWD 225	67,615	150	8	0.058	1.17	1.49	1.47	0.27	4.41	3.12	1.92	9.47
Grain Drill & Pre	40'	MFWD 225	88,450	150	8	0.050	1.03	1.30	1.68	0.24	4.26	3.57	1.68	9.52
Grain Drill & Pre T	8R-38	MFWD 225	43,873	150	8	0.062	0.99	1.61	1.03	0.30	3.94	2.19	2.08	8.22
Grain Drill TwinRow	8R-38	MFWD 225	38,850	150	8	0.075	1.18	1.93	1.09	0.36	4.58	2.33	2.50	9.43
Harrow-Folding	40'	MFWD 190	11,880	200	10	0.038	0.43	0.84	0.16	0.15	1.59	0.26	1.07	2.94
Harrow-Rigid	30'	MFWD 190	7,740	200	10	0.051	0.58	1.12	0.14	0.20	2.05	0.23	1.43	3.72
Header - Corn	6R-30	265 hp	35,884	300	8	0.170	1.91	5.15	1.52	3.87	12.46	2.53	16.65	31.65
Header - Corn	6R-38	265 hp	37,494	300	8	0.134	1.50	4.07	1.26	3.05	9.89	2.09	13.14	25.13
Header - Corn	8R-30	265 hp	46,339	300	8	0.127	1.43	3.86	1.47	2.90	9.68	2.45	12.49	24.63
Header - Corn	8R-38	325 hp	47,890	300	8	0.100	1.13	3.74	1.20	2.57	8.66	2.00	11.08	21.76
Header - Corn	12R-20	325 hp	62,880	300	8	0.127	1.43	4.74	2.00	3.26	11.44	3.33	14.02	28.80
Header - Corn	12R-30	325 hp	70,746	300	8	0.085	0.95	3.16	1.50	2.17	7.79	2.50	9.35	19.64
Header - Draper (CL)	25'	Rigid 265 hp	35,852	300	8	0.203	2.28	6.14	1.66	4.61	14.71	2.90	19.86	37.48
Header - Draper (CL)	30'	Rigid 325 hp	37,307	300	8	0.169	1.90	6.28	1.44	4.31	13.95	2.51	18.58	35.05
Header - Draper (CL)	36'	Rigid 355 hp	42,128	300	8	0.141	1.58	5.72	1.36	3.89	12.56	2.36	16.77	31.71
Header - Draper (SL)	25'	Rigid 325 hp	35,852	300	8	0.176	1.97	6.53	1.44	4.49	14.45	2.51	19.33	36.29
Header - Draper (SL)	30'	Rigid 325 hp	37,307	300	8	0.146	1.64	5.44	1.25	3.74	12.09	2.18	16.11	30.38
Header - Draper (SL)	36'	Rigid 355 hp	42,128	300	8	0.122	1.37	4.95	1.17	3.37	10.88	2.05	14.54	27.48
Header - Rice (CL)	25'	Rigid 325 hp	32,051	300	8	0.253	2.85	9.42	2.03	6.48	20.79	3.37	27.88	52.05
Header - Rice (CL)	30'	Rigid 325 hp	41,263	300	8	0.211	2.37	7.85	2.18	5.40	17.81	3.62	23.23	44.67
Header - Rice (SL)	25'	Rigid 325 hp	32,051	300	8	0.220	2.47	8.17	1.76	5.61	18.02	2.92	24.16	45.11
Header - Rice (SL)	30'	Rigid 325 hp	41,263	300	8	0.183	2.05	6.80	1.89	4.67	15.43	3.14	20.13	38.71
Header -RiceStrp(CL)	20'	265 hp	37,277	300	8	0.253	2.85	7.68	2.36	5.77	18.67	3.92	24.82	47.43
Header -RiceStrp(CL)	24'	325 hp	40,911	300	8	0.211	2.37	7.85	2.16	5.40	17.79	3.59	23.23	44.62
Header -RiceStrp(CL)	32'	325 hp	45,159	300	8	0.158	1.78	5.89	1.79	4.04	13.51	2.97	17.42	33.91
Header -RiceStrp(SL)	20'	265 hp	37,277	300	8	0.220	2.47	6.66	2.05	5.00	16.18	3.40	21.51	41.10
Header -RiceStrp(SL)	24'	325 hp	40,911	300	8	0.183	2.05	6.80	1.87	4.67	15.42	3.11	20.13	38.67
Header -RiceStrp(SL)	32'	325 hp	45,159	300	8	0.137	1.54	5.10	1.55	3.50	11.71	2.57	15.10	29.39
Header -Soybean	22'	Flex 265 hp	24,635	300	8	0.116	1.30	3.51	0.71	2.63	8.17	1.18	11.35	20.71
Header -Soybean	25'	Flex 325 hp	26,900	300	8	0.102	1.14	3.79	0.68	2.60	8.23	1.14	11.22	20.60
Header -Soybean	30'	Flex 325 hp	30,878	300	8	0.085	0.95	3.16	0.65	2.17	6.94	1.09	9.35	17.39
Header -Soybean	35'	Flex 355 hp	35,880	300	8	0.072	0.81	2.96	0.65	2.01	6.45	1.08	8.68	16.22
Header Wheat/Sorghum	22'	Rigid 265 hp	15,835	300	8	0.116	1.30	3.51	0.45	2.63	7.91	0.76	11.35	20.03
Header Wheat/Sorghum	25'	Rigid 325 hp	24,225	300	8	0.102	1.14	3.79	0.61	2.60	8.16	1.02	11.22	20.41
Header Wheat/Sorghum	30'	Rigid 325 hp	26,629	300	8	0.085	0.95	3.16	0.56	2.17	6.85	0.94	9.35	17.15
Header-Cotton-Bcast	13'	173 hp	18,000	200	8	0.251	5.10	4.51	0.84	5.70	16.18	2.82	24.55	43.55
Header-Cotton-Bcast	16'	173 hp	21,060	200	8	0.204	4.15	3.67	0.80	4.63	13.26	2.68	19.94	35.89
Header-Cotton-Bcast	19'	173 hp	22,770	200	8	0.172	3.49	3.09	0.73	3.90	11.22	2.44	16.80	30.47
Header-Cotton-Brush	4R-30 2x1	173 hp	28,095	200	8	0.218	4.42	3.91	1.14	4.94	14.43	3.81	21.27	39.53
Header-Cotton-Brush	4R-36	173 hp	27,176	200	8	0.272	5.53	4.89	1.39	6.18	18.00	4.61	26.60	49.21
Header-Cotton-Brush	4R-38	173 hp	27,048	200	8	0.257	5.23	4.62	1.30	5.84	17.00	4.34	25.13	46.47
Header-Cotton-Brush	4R-38 2x1	173 hp	28,418	200	8	0.172	3.49	3.09	0.91	3.90	11.40	3.04	16.80	31.25
Header-Cotton-Brush	5R-30	173 hp	34,169	200	8	0.261	5.31	4.69	1.67	5.93	17.62	5.57	25.53	48.73
Header-Cotton-Brush	5R-38	173 hp	35,182	200	8	0.207	4.20	3.71	1.36	4.69	13.98	4.53	20.20	38.72
Header-Cotton-Brush	6R-30	173 hp	42,070	200	8	0.218	4.42	3.91	1.72	4.94	15.01	5.71	21.27	42.00
Header-Cotton-Brush	6R-38	173 hp	43,212	200	8	0.172	3.49	3.09	1.39	3.90	11.88	4.63	16.80	33.32
Header-Cotton-Brush	8R-30	173 hp	57,821	200	8	0.163	3.32	2.93	1.77	3.70	11.74	5.89	15.96	33.59
Header-Cotton-Brush	8R-36/38	173 hp	59,413	200	8	0.129	2.62	2.32	1.44	2.93	9.32	4.78	12.61	26.72
Land Plane	50'x16'	MFWD 190	10,346	200	10	0.151	1.70	3.29	0.31	0.60	5.91	0.91	4.20	11.04
Levee Pull & Seed	8 Blade	MFWD 170	9,956	100	10	0.003	0.04	0.06	0.00	0.01	0.13	0.04	0.09	0.26
Levee Pull (1m/80a)	8 blade	MFWD 170	7,508	100	10	0.003	0.04	0.06	0.00	0.01	0.12	0.03	0.09	0.25
Levee Splitter (1/80)	8 blade	MFWD 150	7,508	100	10	0.004	0.04	0.07	0.00	0.01	0.13	0.03	0.09	0.26
Middle Buster	4R-38	MFWD 150	9,663	160	8	0.228	2.56	3.91	0.51	0.76	7.76	1.78	5.10	14.65
Middle Buster	6R-38	MFWD 150	12,296	160	8	0.120	1.34	2.06	0.34	0.40	4.16	1.19	2.68	8.04
Middle Buster	8R-30	MFWD 190	17,379	160	8	0.114	1.28	2.47	0.46	0.45	4.68	1.60	3.16	9.45
Middle Buster	8R-38	MFWD 190	15,729	160	8	0.090	1.01	1.95	0.33	0.36	3.66	1.14	2.50	7.32
Middle Buster	8R-38 2x1	MFWD 190	27,036	160	8	0.060	0.67	1.30	0.38	0.24	2.60	1.31	1.66	5.58
Middle Buster	10R-30	MFWD 225	27,009	160	8	0.091	1.02	2.34	0.57	0.43	4.39	1.99	3.03	9.42
Middle Buster	10R-38	MFWD 225	29,529	160	8	0.072	0.80	1.85	0.49	0.34	3.50	1.72	2.39	7.61
Middle Buster	12R-38	MFWD 225	27,023	160	8	0.060	0.67	1.54	0.38	0.28	2.88	1.31	1.99	6.19
Module Builder-1st	4R-30(250)	MFWD 190	35,588	200	10	0.327	6.64	7.10	2.91	1.31	17.97	6.59	9.07	33.64
Module Builder-1st	4R-30(325)	MFWD 190	35,588	200	10	0.327	6.64	7.10	2.91	1.31	17.97	6.59	9.07	33.64

(continued)

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

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

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
NT Plant-Folding	8R-38 2x1	MFWD 170	60,826	150	8	0.051	1.04	1.00	1.17	0.19	3.43	2.50	1.37	7.31
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	1.59	1.70	1.53	0.31	5.14	3.26	2.17	10.58
NT Plant-Folding	12R-20	MFWD 190	61,574	150	8	0.098	1.99	2.13	2.26	0.39	6.78	4.82	2.72	14.33
NT Plant-Folding	12R-30	MFWD 190	65,113	150	8	0.065	1.32	1.42	1.59	0.26	4.61	3.39	1.81	9.82
NT Plant-Folding	12R-38	MFWD 190	60,826	150	8	0.051	1.04	1.12	1.17	0.20	3.55	2.50	1.43	7.49
NT Plant-Folding	16R-30	MFWD 190	84,460	150	8	0.049	0.99	1.06	1.55	0.19	3.81	3.30	1.36	8.48
NT Plant-Folding	23R-15	MFWD 190	103,775	150	8	0.068	1.38	1.48	2.65	0.27	5.79	5.64	1.89	13.32
NT Plant-Folding	24R-15	MFWD 225	107,193	150	8	0.065	1.32	1.68	2.63	0.31	5.95	5.59	2.17	13.72
NT Plant-Folding	24R-20	MFWD 190	115,874	150	8	0.049	0.99	1.06	2.13	0.19	4.39	4.53	1.36	10.29
NT Plant-Folding	24R-30	MFWD 190	138,752	150	8	0.032	0.66	0.71	1.70	0.13	3.21	3.62	0.90	7.73
NT Plant-Folding	31R-15	MFWD 225	120,372	150	8	0.050	1.02	1.30	2.29	0.24	4.87	4.87	1.68	11.42
NT Plant-Folding	32R-15	MFWD 225	134,778	150	8	0.049	0.99	1.26	2.48	0.23	4.97	5.27	1.63	11.88
NT Plant-Folding	32R-30	MFWD 225	202,399	150	8	0.024	0.49	0.63	1.86	0.11	3.11	3.96	0.81	7.88
NT Plant-Folding	36R-20	MFWD 225	153,712	150	8	0.032	0.66	0.84	1.88	0.15	3.55	4.01	1.08	8.64
NT Plant-Folding	36R-30	MFWD 225	242,266	150	8	0.021	0.44	0.56	1.98	0.10	3.09	4.21	0.72	8.03
NT Plant-Rigid	4R-30	2WD 130	19,762	150	8	0.196	3.98	2.91	1.45	0.51	8.87	3.09	3.43	15.40
NT Plant-Rigid	4R-38	2WD 130	20,070	150	8	0.154	3.13	2.29	1.16	0.40	7.00	2.47	2.70	12.18
NT Plant-Rigid	6R-30	MFWD 150	26,774	150	8	0.130	2.65	2.24	1.31	0.44	6.65	2.79	2.92	12.38
NT Plant-Rigid	6R-38	MFWD 150	26,536	150	8	0.103	2.09	1.77	1.02	0.34	5.24	2.18	2.31	9.74
NT Plant-Rigid	8R-30	MFWD 170	34,072	150	8	0.098	1.99	1.90	1.25	0.37	5.53	2.66	2.62	10.82
NT Plant-Rigid	8R-38	MFWD 170	30,750	150	8	0.077	1.57	1.50	0.89	0.30	4.27	1.90	2.07	8.25
NT Plant-Rigid	10R-30	MFWD 190	33,100	150	8	0.078	1.59	1.70	0.97	0.31	4.59	2.07	2.17	8.84
NT Plant-Rigid	11R-15	MFWD 170	39,191	150	8	0.133	2.71	2.59	1.96	0.51	7.78	4.17	3.56	15.52
NT Plant-Rigid	11R-20	MFWD 170	37,379	150	8	0.107	2.17	2.08	1.50	0.41	6.18	3.19	2.86	12.24
NT Plant-Rigid	12R-20	MFWD 190	44,094	150	8	0.098	1.99	2.13	1.62	0.39	6.14	3.45	2.72	12.31
NT Plant-Rigid	12R-30	MFWD 190	50,168	150	8	0.065	1.32	1.42	1.23	0.26	4.24	2.61	1.81	8.67
NT Plant-Rigid	13R-18/20	MFWD 225	41,380	150	8	0.090	1.84	2.33	1.41	0.43	6.03	2.99	3.01	12.05
NT Plant-Rigid	15R-15	MFWD 190	50,936	150	8	0.105	2.13	2.28	2.00	0.42	6.83	4.26	2.91	14.01
NT Plant-Rigid	15R-20	MFWD 190	46,076	150	8	0.078	1.59	1.70	1.35	0.31	4.97	2.88	2.17	10.03
NT Plant-Rigid	16R-30	MFWD 225	85,715	150	8	0.049	0.99	1.26	1.57	0.23	4.07	3.35	1.63	9.05
NT Plant-TwinRow	12R-30/40	MFWD 225	97,693	150	8	0.051	1.04	1.32	1.89	0.24	4.51	4.02	1.71	10.26
NT Plant-TwinRow	8R-30/40	MFWD 225	80,921	150	8	0.077	1.57	1.99	2.35	0.37	6.30	5.00	2.57	13.88
One Trip Plow	4R-38	MFWD 170	21,959	150	10	0.146	1.64	2.85	1.50	0.56	6.56	2.51	3.91	12.99
One Trip Plow	6R-38	MFWD 190	24,276	150	10	0.097	1.09	2.11	1.10	0.39	4.69	1.84	2.69	9.23
One Trip Plow	8R-38	MFWD 225	36,003	150	10	0.073	0.83	1.90	1.24	0.35	4.32	2.07	2.45	8.85
Paratill & Bed Fold.	8R-38	MFWD 225	38,732	150	12	0.080	0.90	2.07	1.12	0.38	4.50	2.19	2.68	9.37
Paratill & Bed Fold.	8R-38 2x1	MFWD 225	51,707	150	12	0.053	0.60	1.38	1.00	0.25	3.24	1.95	1.78	6.98
Paratill & Bed Fold.	10R-30	MFWD 225	32,137	150	12	0.081	0.91	2.10	0.94	0.39	4.36	1.84	2.71	8.91
Paratill & Bed Fold.	12R-38	MFWD 225	51,707	150	12	0.053	0.60	1.38	1.00	0.25	3.24	1.95	1.78	6.98
Paratill & Bed Rigid	4R-30	MFWD 225	13,795	150	12	0.204	2.29	5.25	1.01	0.98	9.54	1.97	6.78	18.31
Paratill & Bed Rigid	4R-38	MFWD 225	13,087	150	12	0.160	1.80	4.13	0.76	0.77	7.47	1.47	5.34	14.29
Paratill & Bed Rigid	6R-30	MFWD 225	18,932	150	12	0.136	1.52	3.50	0.93	0.65	6.61	1.81	4.52	12.95
Paratill & Bed Rigid	6R-38	MFWD 225	18,426	150	12	0.107	1.20	2.76	0.71	0.51	5.20	1.39	3.57	10.16
Paratill & Bed Rigid	8R-30	MFWD 225	23,794	150	12	0.102	1.14	2.62	0.87	0.49	5.14	1.70	3.39	10.24
Paratill & Bed Rigid	8R-38	MFWD 225	23,989	150	12	0.080	0.90	2.07	0.69	0.38	4.07	1.35	2.68	8.11
Paratill & Bed Rigid	10R-30	MFWD 225	24,422	150	12	0.081	0.91	2.10	0.72	0.39	4.13	1.40	2.71	8.24
Peanut Cond.& Lifter	6-Row	MFWD 190	12,255	300	20	0.100	1.12	2.17	0.20	0.40	3.89	0.34	2.77	7.02
Peanut Conditioner	6-Row	MFWD 190	12,488	300	20	0.100	1.12	2.17	0.24	0.40	3.94	0.32	2.77	7.04
Peanut Dig/Invertor	4R-30	MFWD 190	25,098	300	15	0.235	2.64	5.12	1.47	0.94	10.18	1.97	6.53	18.70
Peanut Dig/Invertor	4R-38	MFWD 190	25,098	300	15	0.186	2.09	4.04	1.16	0.74	8.04	1.56	5.16	14.76
Peanut Dig/Invertor	6R-38	MFWD 190	35,640	300	15	0.124	1.39	2.69	0.77	0.49	5.36	1.47	3.44	10.27
Peanut Dump Cart	6-Row	MFWD 190	38,771	300	20	0.310	3.48	6.73	0.70	1.24	12.15	3.32	8.59	24.07
Peanut Harvester	4R-30	MFWD 225	118,808	300	20	0.849	9.54	21.85	5.72	4.08	41.20	26.21	28.22	95.64
Peanut Harvester	4R-38	MFWD 225	118,808	300	20	0.934	10.49	24.02	6.29	4.49	45.30	29.77	31.02	106.11
Peanut Harvester	6R-38	MFWD 225	135,617	300	20	0.625	7.01	16.06	4.09	3.00	30.18	22.73	20.75	73.67
Peanut Lifter	6-Row	MFWD 225	5,483	300	20	0.100	1.12	2.57	0.11	0.48	4.28	0.14	3.32	7.75
Peanut Plt&Pre Fold.	12R-38	MFWD 190	61,161	150	8	0.080	1.63	1.74	1.84	0.32	5.54	3.92	2.22	11.69
Peanut Plt&Pre Rigid	8R-30	MFWD 190	35,004	150	8	0.152	3.09	3.31	2.00	0.61	9.03	4.26	4.23	17.53
Peanut Plt&Pre Rigid	8R-38	MFWD 190	28,962	150	8	0.120	2.45	2.62	1.31	0.48	6.86	2.78	3.34	13.00
Pipe Spool 160ac	1/4m roll	2WD 130	3,850	15	12	0.003	0.09	0.04	0.00	0.00	0.15	0.08	0.05	0.29
Pipe Trailer 1m/160a	30'	2WD 130	1,122	100	15	0.003	0.17	0.05	0.00	0.00	0.24	0.00	0.06	0.31
Plant & Pre-Folding	8R-38	MFWD 170	42,027	150	8	0.080	1.62	1.55	1.26	0.31	4.76	2.68	2.14	9.59
Plant & Pre-Folding	8R-38 2x1	MFWD 170	61,161	150	8	0.053	1.08	1.03	1.22	0.20	3.55	2.60	1.42	7.58
Plant & Pre-Folding	10R-30	MFWD 190	52,920	150	8	0.081	1.64	1.76	1.61	0.32	5.34	3.42	2.25	11.02
Plant & Pre-Folding	12R-15	MFWD 225	96,386	150	8	0.135	2.13	3.48	4.89	0.65	11.15	10.40	4.49	26.05
Plant & Pre-Folding	12R-20	MFWD 190	60,462	150	8	0.101	2.06	2.20	2.30	0.40	6.97	4.89	2.81	14.68
Plant & Pre-Folding	12R-30	MFWD 190	64,001	150	8	0.067	1.37	1.46	1.62	0.27	4.73	3.45	1.87	10.07
Plant & Pre-Folding	12R-38	MFWD 190	61,161	150	8	0.053	1.08	1.16	1.22	0.21	3.68	2.60	1.48	7.77
Plant & Pre-Folding	16R-30	MFWD 190	82,750	150	8	0.050	1.03	1.10	1.57	0.20	3.91	3.34	1.40	8.66
Plant & Pre-Folding	23R-15	MFWD 190	97,040	150	8	0.070	1.43	1.53	2.56	0.28	5.81	5.45	1.95	13.22
Plant & Pre-Folding	24R-15	MFWD 225	99,947	150	8	0.067	1.37	1.74	2.53	0.32	5.97	5.39	2.24	13.61
Plant & Pre-Folding	24R-20	MFWD 190	110,075	150	8	0.050	1.03	1.10	2.09	0.20	4.43	4.45	1.40	10.29
Plant & Pre-Folding	24R-30	MFWD 190	137,427	150	8	0.033	0.68	0.73	1.74	0.13	3.30	3.70	0.93	7.94
Plant & Pre-Folding	31R-15	MFWD 225	115,469	150	8	0.052	1.06	1.34	2.27	0.25	4.93	4.82	1.74	11.50
Plant & Pre-Folding	32R-15	MFWD 225	129,363	150	8	0.050	1.03	1.30	2.46	0.24	5.04	5.23	1.68	11.96
Plant & Pre-Folding	32R-30	MFWD 225	195,147	150	8	0.025	0.51	0.65	1.85	0.12	3.14	3.94	0.84	7.93
Plant & Pre-Folding	36R-20	MFWD 225	146,253	150	8	0.033	0.68	0.87	1.85	0.16	3.57	3.94	1.12	8.64
Plant & Pre-Folding	36R-30	MFWD 225	234,807	150	8	0.022	0.45	0.58	1.98	0.10	3.13	4.22	0.74	8.10
Plant & Pre-Rigid	4R-30	2WD 130	22,740	150	8	0.203	4.12	3.01	1.73	0.53	9.40	3.68	3.55	16.63
Plant & Pre-Folding	36R-20	MFWD 225	133,805	150	8	0.033	0.64	0.96	1.69	0.15	3.46	3.67	1.08	8.22

(continued)



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

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

(continued)

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

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

## Notes:

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

Total Direct: Does not include interest on operating capital.

HB = Hooded Boom, HD = Hooded Direct

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

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

(continued)

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

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

(continued)

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

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

(continued)

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

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

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

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

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

Item name	
LABOR TYPES	
	WAGE RATE (\$/HR)
OPERATOR LABOR	11.23
IRRIGATE LABOR	9.06
HAND LABOR	9.06
HAND. & STOR. LABOR	9.06
RICE MGT. LABOR	9.06
CROP ENTERPRISE	
	UNALLOCATED LABOR MULTIPLIERS (%)
Corn	90
Cotton	80
Grain Sorghum	90
Peanuts	80
Rice	90
Soybeans	90
Wheat	80

Appendix Table 7. Futures contract prices, basis levels, forward contract prices, and loan rates used in row crop budgets, Mississippi, 2010

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

<sup>a</sup> Average of the futures contract month closings in October.

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

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

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

<sup>e</sup> Price used in the 2010 MAFES Planning Budgets.

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



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