

COTTON 2010 PLANNING BUDGETS

**Mississippi State University
Department of Agricultural Economics
Budget Report 2009-02**

December 2009

Foreword

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

Acknowledgments

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

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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 2009. (Appendix Tables 1, 2, and 3).

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

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

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

Estimates of Direct Costs

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

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

$$RPA = RPH \times PR$$

where:

RPH = R&M cost per hour of use

RLC = Replacement cost of machine

RP = R&M percentage (percent of RLC)

THL = Total hours of machine life

RPA = R&M cost per acre

PR = Performance rate

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

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

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

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

Estimates of Fixed Costs

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

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

where:

CRF = Capital recovery factor

IIR = Intermediate-term interest rate

TYL = Total years of life

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

$$+ (SV \times IIR)$$

where:

CRCPY = Capital recovery charge per year

RLC = Replacement cost

SV = Salvage value (at end of useful life)

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

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

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

where:

CRCPH = Capital recovery charge per hour

HAU = Hours of annual use

CRCPA = Capital recovery charge per acre

PR = Performance rate

Estimates of Returns

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

To estimate returns, a price for the commodity must be used. Individual producers must determine their own expected price for the commodity. Commodity prices used in this report represent the higher of a calculated forward contract price or the loan rate that was applicable for the 2009 crop year. Government payments for commodities are not included in the budgets except to the extent that they are included in loan rates.

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

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

Irrigation Costs

Estimated costs of various irrigation systems are presented in Appendix Tables 8 and 9. A dryland crop budget may be converted to an irrigated crop budget by adding the appropriate direct and fixed costs to the costs of the dryland crop. Also, adjustments in crop yields and other costs may be required with the addition of supplemental irrigation.

Net Returns

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

Enterprise Budgets

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

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

TOTAL DIRECT EXPENSES				537.26	_____		
FIXED EXPENSES							
Implements	acre	17.94	1.0000	17.94	_____		
Tractors	acre	30.88	1.0000	30.88	_____		
Self-Propelled	acre	58.91	1.0000	58.91	_____		

TOTAL FIXED EXPENSES				107.73	_____		

TOTAL SPECIFIED EXPENSES				644.99	_____		

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

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

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

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

TOTAL DIRECT EXPENSES				537.26	_____
RETURNS ABOVE DIRECT EXPENSES				170.14	_____
TOTAL FIXED EXPENSES				107.73	_____

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

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

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

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

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST					FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	
-----dollars-----								
Lime (Spread)	ton	17.50				0.79	18.29	18.29
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64	0.22	5.06	4.44
App by Air (5 gal)	appl	6.00				0.18	6.18	6.18
Clarity	pt	6.07				0.18	6.25	6.25
Glyphosate 3lbs a.e.	oz	7.04				0.21	7.25	7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75	0.06	1.90	1.45
Custom Apply Fert	acre	7.00				0.21	7.21	7.21
Potash (60% K20)	cwt	39.15				1.17	40.32	40.32
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92	0.13	4.99	3.32
UAN (32% N)	cwt	21.12				0.55	21.67	21.67
Row Cond Rigid	26'		1.30	0.41	1.21	0.07	2.99	2.47
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 Delta	acre	3.00				0.07	3.07	3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44	0.02	0.95	0.99
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	21.12				0.40	21.52	21.52
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65	0.06	3.75	2.27
Diuron 80%	lb	4.55				0.07	4.62	4.62
Glyphosate 3lbs a.e.	oz	7.04				0.11	7.15	7.15
App by Air (3 gal)	appl	5.00				0.07	5.07	5.07
Acephate 90%	lb	4.52				0.07	4.59	4.59
Mepiquat Chloride	oz	1.76				0.03	1.79	1.79
App by Air (3 gal)	appl	5.00				0.07	5.07	5.07
Karate Z	oz	6.56				0.10	6.66	6.66
Bidrin 8WM	oz	6.96				0.10	7.06	7.06
Incidental Pest								
App by Air (3 gal)	appl	2.50				0.04	2.54	2.54
Incidental Pest Trt	acre	6.00				0.09	6.09	6.09
App by Air (3 gal)	appl	5.00				0.06	5.06	5.06
Acephate 90%	lb	6.16				0.07	6.23	6.23
App by Air (5 gal)	appl	6.00				0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28				0.04	5.32	5.32
Ethephon 6E	pt	3.79				0.03	3.82	3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22		0.47	0.50
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	81.00				0.30	81.30	81.30
Stalk Shredder	14'		2.56	1.69	2.38	0.02	6.65	4.08
TOTALS		429.73	35.37	27.67	35.23	0.00	9.26	537.26
								107.73
								644.99

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

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dolars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.11	0.00	19.50	0.00	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.36	1.65	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.04	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.39	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.01	0.00	0.00	0.00	2.01	0.68	3.20	0.72	0.81	0.13	0.15	0.55
TOTAL DIRECT EXPENSES	23.35	0.00	0.00	0.00	69.11	26.66	145.10	38.97	54.39	11.29	19.27	149.12
NET INCOME	-23.35	0.00	0.00	0.00	-69.11	-26.66	-145.10	-38.97	-54.39	-11.29	-19.27	558.28
NET INCOME TO DATE	-23.35	-23.35	-23.35	-23.35	-92.46	-119.12	-264.22	-303.19	-357.58	-368.87	-388.14	170.14

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

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

TOTAL DIRECT EXPENSES				524.77	
FIXED EXPENSES					
Implements	acre	17.94	1.0000	17.94	
Tractors	acre	30.88	1.0000	30.88	
Self-Propelled	acre	58.91	1.0000	58.91	

TOTAL FIXED EXPENSES				107.73	

TOTAL SPECIFIED EXPENSES				632.50	

Fertilization decisions should be based on soil tests.

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

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

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

TOTAL DIRECT EXPENSES				524.77	_____
RETURNS ABOVE DIRECT EXPENSES				182.63	_____
TOTAL FIXED EXPENSES				107.73	_____

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

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

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

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

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

Fertilization decisions should be based on soil tests.

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST					FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	
-----dollars-----								
Lime (Spread)	ton	17.50				0.79	18.29	18.29
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64	0.22	5.06	4.44
App by Air (5 gal)	appl	6.00				0.18	6.18	6.18
Clarity	pt	6.07				0.18	6.25	6.25
Glyphosate 3lbs a.e.	oz	7.04				0.21	7.25	7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75	0.06	1.90	1.45
Custom Apply Fert	acre	7.00				0.21	7.21	7.21
Potash (60% K20)	cwt	39.15				1.17	40.32	40.32
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92	0.13	4.99	3.32
UAN (32% N)	cwt	21.12				0.55	21.67	21.67
Row Cond Rigid	26'		1.30	0.41	1.21	0.07	2.99	2.47
Plant & Pre-Rigid	8R-38		1.74	1.27	2.35	0.12	5.48	4.26
xxxCotton Seed BGRRF	thous							
BG II/RRF Tech Fee	cap/ac	67.50				1.52	69.02	69.02
Cotton Seed Trt.	acre	20.00				0.45	20.45	20.45
Insect Scouting	acre	7.00				0.16	7.16	7.16
Eradication Delta	acre	3.00				0.07	3.07	3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44	0.02	0.95	0.99
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
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
UAN (32% N)	cwt	21.12				0.40	21.52	21.52
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65	0.06	3.75	2.27
Diuron 80%	lb	4.55				0.07	4.62	4.62
Glyphosate 3lbs a.e.	oz	7.04				0.11	7.15	7.15
App by Air (3 gal)	appl	5.00				0.07	5.07	5.07
Acephate 90%	lb	4.52				0.07	4.59	4.59
Mepiquat Chloride	oz	1.76				0.03	1.79	1.79
App by Air (3 gal)	appl	1.25				0.02	1.27	1.27
Karate Z	oz	1.64				0.02	1.66	1.66
Bidrin 8WM	oz	1.74				0.03	1.77	1.77
Incidental Pest								
App by Air (3 gal)	appl	5.00				0.07	5.07	5.07
Incidental Pest Trt	acre	12.00				0.18	12.18	12.18
App by Air (3 gal)	appl	5.00				0.06	5.06	5.06
Acephate 90%	lb	6.16				0.07	6.23	6.23
App by Air (5 gal)	appl	6.00				0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28				0.04	5.32	5.32
Ethephon 6E	pt	3.79				0.03	3.82	3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22		0.47	0.50
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	81.00				0.30	81.30	81.30
Stalk Shredder	14'		2.56	1.69	2.38	0.02	6.65	4.08
TOTALS		417.50	35.37	27.67	35.23	0.00	9.00	524.77
								107.73
								632.50

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

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dolars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	11.25	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.11	0.00	19.50	7.04	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	19.90	6.16	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.36	1.65	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.04	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.39	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.01	0.00	0.00	0.00	2.01	0.68	2.89	0.85	0.73	0.13	0.15	0.55
TOTAL DIRECT EXPENSES	23.35	0.00	0.00	0.00	69.11	26.66	130.91	46.14	48.92	11.29	19.27	149.12
NET INCOME	-23.35	0.00	0.00	0.00	-69.11	-26.66	-130.91	-46.14	-48.92	-11.29	-19.27	558.28
NET INCOME TO DATE	-23.35	-23.35	-23.35	-23.35	-92.46	-119.12	-250.03	-296.17	-345.09	-356.38	-375.65	182.63

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Fertilization decisions should be based on soil tests.

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

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

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

Fertilization decisions should be based on soil tests.

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dolars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	67.61	0.00	0.00	21.12	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.11	0.00	19.50	11.59	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.10	4.01	0.00	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	3.47	3.49	0.00	0.00	0.18	24.07
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.98	0.00	0.00	0.07	20.81
INTEREST ON OP. CAP.	0.79	0.00	0.00	0.00	2.80	0.00	3.21	1.01	0.57	0.13	0.15	0.55
TOTAL DIRECT EXPENSES	18.29	0.00	0.00	0.00	96.52	0.00	145.48	54.54	38.87	11.29	19.27	149.12
NET INCOME	-18.29	0.00	0.00	0.00	-96.52	0.00	-145.48	-54.54	-38.87	-11.29	-19.27	558.28
NET INCOME TO DATE	-18.29	-18.29	-18.29	-18.29	-114.81	-114.81	-260.29	-314.83	-353.70	-364.99	-384.26	174.02

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
App by Air (3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	811.0000	72.99	_____
FERTILIZERS					
Potash (60% K20)	cwt	26.10	1.3500	35.24	_____
UAN (32% N)	cwt	10.56	3.6000	38.02	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	74.8800	16.47	_____
Dual Magnum	pt	12.46	0.6700	8.35	_____
Diuron 80%	lb	4.55	0.6700	3.05	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	1.3400	6.42	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	35.0000	19.25	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	thous	1.13	35.0000	39.55	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	10.7200	2.36	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.8722	9.80	_____
Self-Propelled	hour	11.23	0.1987	2.24	_____
HAND LABOR					
Implements	hour	9.06	0.3442	3.10	_____
Self-Propelled	hour	9.06	0.1855	1.68	_____
UNALLOCATED LABOR					
hour	11.22	0.8567	9.62	_____	
DIESEL FUEL					
Tractors	gal	2.22	8.5299	18.95	_____
Self-Propelled	gal	2.22	3.3422	7.42	_____
REPAIR & MAINTENANCE					
Implements	acre	8.68	1.0000	8.68	_____
Tractors	acre	3.50	1.0000	3.50	_____
Self-Propelled	acre	9.72	1.0000	9.72	_____
INTEREST ON OP. CAP.	acre	7.87	1.0000	7.87	_____

TOTAL DIRECT EXPENSES				452.42	_____
FIXED EXPENSES					
Implements	acre	15.62	1.0000	15.62	_____
Tractors	acre	24.16	1.0000	24.16	_____
Self-Propelled	acre	42.43	1.0000	42.43	_____

TOTAL FIXED EXPENSES				82.21	_____
TOTAL SPECIFIED EXPENSES					
				534.63	_____

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

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

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

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

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

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

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

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

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

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

Table 4.D Estimated costs for field operations, per acre
 Cotton, 8R-38" 2x1 full-skip (8 rows planted)
 Conservation tillage, BtRR variety, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST					FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	
-----dollars-----								
Lime (Spread)	ton	17.50				0.79	18.29	18.29
Paratill & Bed Fold.	8R-38 2x1		1.17	1.22	1.08	0.16	3.63	7.07
App by Air (5 gal)	appl	6.00				0.18	6.18	6.18
Clarity	pt	6.07				0.18	6.25	6.25
Glyphosate 3lbs a.e.	oz	7.04				0.21	7.25	7.25
Disk Bed (Hipper)	8R-38 2x1		0.54	0.24	0.50	0.04	1.32	1.10
Custom Apply Fert	acre	7.00				0.21	7.21	7.21
Potash (60% K20)	cwt	35.24				1.06	36.30	36.30
Fert Appl (Liquid)	8R-38 2x1		1.12	0.78	1.27	0.08	3.25	2.13
UAN (32% N)	cwt	19.01				0.50	19.51	19.51
Row Cond Folding	38'		0.89	0.37	0.83	0.05	2.14	2.13
Plant & Pre-Folding	8R-38 2x1		1.16	1.44	1.56	0.09	4.25	4.09
Cotton Seed BG/RR	thous	19.25				0.43	19.68	19.68
BG/RR Cot Tech Fee	thous	39.55				0.89	40.44	40.44
Cotton Seed Trt.	acre	13.40				0.30	13.70	13.70
Insect Scouting	acre	7.00				0.16	7.16	7.16
Eradication Delta	acre	3.00				0.07	3.07	3.07
Spray (Direct/Layby)	8R-38 2x1		0.97	0.55	1.10	0.06	2.68	1.72
Dual Magnum	pt	8.35				0.19	8.54	8.54
Glyphosate 3lbs a.e.	oz	4.72				0.11	4.83	4.83
Acephate 90%	lb	1.81				0.04	1.85	1.85
Spray (Direct/Layby)	8R-38 2x1		0.97	0.55	1.10	0.05	2.67	1.72
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44	0.02	0.95	0.99
Centric 40WG	oz	6.42				0.12	6.54	6.54
Mepiquat Chloride	oz	1.18				0.02	1.20	1.20
Fert Appl (Liquid)	8R-38 2x1		1.12	0.78	1.27	0.06	3.23	2.13
UAN (32% N)	cwt	19.01				0.36	19.37	19.37
Spray (Direct/Layby)	8R-38 2x1		0.97	0.55	1.10	0.04	2.66	1.72
Diuron 80%	lb	3.05				0.05	3.10	3.10
Glyphosate 3lbs a.e.	oz	4.72				0.07	4.79	4.79
App by Air (3 gal)	appl	5.00				0.07	5.07	5.07
Acephate 90%	lb	4.52				0.07	4.59	4.59
Mepiquat Chloride	oz	1.18				0.02	1.20	1.20
App by Air (3 gal)	appl	5.00				0.07	5.07	5.07
Karate Z	oz	6.56				0.10	6.66	6.66
Bidrin 8WM	oz	6.96				0.10	7.06	7.06
Incidental Pest								
App by Air (3 gal)	appl	2.50				0.04	2.54	2.54
Incidental Pest Trt	acre	6.00				0.09	6.09	6.09
App by Air (3 gal)	appl	5.00				0.06	5.06	5.06
Acephate 90%	lb	6.16				0.07	6.23	6.23
App by Air (5 gal)	appl	6.00				0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28				0.04	5.32	5.32
Ethephon 6E	pt	3.79				0.03	3.82	3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22		0.47	0.50
Tribufos 6lb	pt	3.58				0.03	3.61	3.61
Cotton Picker-1st-BB	4R2x1(350)		6.89	9.51	5.05	0.08	21.53	40.94
Boll Buggy-1st pick	4R2x1(350)		3.74	1.79	3.49	0.03	9.05	7.27
Module Builder-1st	4R2x1(350)		3.74	2.22	5.05	0.04	11.05	8.25
Gin & Haul	lb	72.99				0.27	73.26	73.26
Stalk Shredder	14'		2.56	1.69	2.38	0.02	6.65	4.08
TOTALS		369.84	26.37	21.90	26.44	0.00	7.87	452.42
								82.21
								534.63

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

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

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

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM		
dollars				dollars			
DIRECT EXPENSES							
CUSTOM SPRAY							
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____		
App by Air (3 gal)	appl	5.00	5.5000	27.50	_____		
HARVEST AIDS							
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____		
Ethephon 6E	pt	2.85	1.3300	3.79	_____		
Tribufos 6lb	pt	7.15	0.5000	3.58	_____		
GINNING							
Gin & Haul	lb	0.09	900.0000	81.00	_____		
FERTILIZERS							
Potash (60% K20)	cwt	26.10	1.5000	39.15	_____		
UAN (32% N)	cwt	10.56	4.0000	42.24	_____		
FUNGICIDES							
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____		
HERBICIDES							
Clarity	pt	12.13	0.5000	6.07	_____		
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____		
Dual Magnum	pt	12.46	1.0000	12.46	_____		
Diuron 80%	lb	4.55	1.0000	4.55	_____		
INSECTICIDES							
Acephate 90%	lb	8.21	1.5200	12.48	_____		
Centric 40WG	oz	4.79	2.0000	9.58	_____		
Tracer 4SC	oz	7.30	5.1120	37.32	_____		
Karate Z	oz	3.28	6.0000	19.68	_____		
Bidrin 8WM	oz	0.87	8.0000	6.96	_____		
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____		
TECHNOLOGY FEE							
RR Cotton Tech Fee	cap/ac	35.50	1.0000	35.50	_____		
GROWTH REGULATORS							
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____		
CUSTOM FERTILIZE							
Custom Apply Fert	acre	7.00	1.0000	7.00	_____		
ERADICATION FEE							
Eradication Delta	acre	3.00	1.0000	3.00	_____		
INSECT SCOUTING							
Insect Scouting	acre	7.00	1.0000	7.00	_____		
CUSTOM LIME							
Lime (Spread)	ton	35.00	0.5000	17.50	_____		
OPERATOR LABOR							
Tractors	hour	11.23	1.1134	12.49	_____		
Self-Propelled	hour	11.23	0.3089	3.47	_____		
HAND LABOR							
Implements	hour	9.06	0.4491	4.07	_____		
Self-Propelled	hour	9.06	0.2833	2.57	_____		
UNALLOCATED LABOR							
hour	11.24	1.1378	12.80	_____			
DIESEL FUEL							
Tractors	gal	2.22	10.8888	24.18	_____		
Self-Propelled	gal	2.22	5.1040	11.33	_____		
REPAIR & MAINTENANCE							
Implements	acre	9.75	1.0000	9.75	_____		
Tractors	acre	4.45	1.0000	4.45	_____		
Self-Propelled	acre	13.53	1.0000	13.53	_____		
INTEREST ON OP. CAP.	acre	9.06	1.0000	9.06	_____		

TOTAL DIRECT EXPENSES				551.99	_____		
FIXED EXPENSES							
Implements	acre	17.94	1.0000	17.94	_____		
Tractors	acre	30.88	1.0000	30.88	_____		
Self-Propelled	acre	59.31	1.0000	59.31	_____		

TOTAL FIXED EXPENSES				108.13	_____		

TOTAL SPECIFIED EXPENSES				660.12	_____		

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

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

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

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

TOTAL DIRECT EXPENSES				551.99	_____
RETURNS ABOVE DIRECT EXPENSES				155.41	_____
TOTAL FIXED EXPENSES				108.13	_____
TOTAL SPECIFIED EXPENSES				660.12	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				47.28	_____

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

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

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

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

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

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

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

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dolars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	17.50	10.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.11	0.00	19.50	0.00	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	15.80	46.15	28.27	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	35.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.53	1.65	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.18	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.45	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.01	0.00	0.00	0.00	2.01	0.68	2.17	0.85	1.21	0.43	0.15	0.55
TOTAL DIRECT EXPENSES	23.35	0.00	0.00	0.00	69.11	26.66	98.19	45.69	81.90	38.70	19.27	149.12
NET INCOME	-23.35	0.00	0.00	0.00	-69.11	-26.66	-98.19	-45.69	-81.90	-38.70	-19.27	558.28
NET INCOME TO DATE	-23.35	-23.35	-23.35	-23.35	-92.46	-119.12	-217.31	-263.00	-344.90	-383.60	-402.87	155.41

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

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

TOTAL DIRECT EXPENSES				512.41	_____		
FIXED EXPENSES							
Implements	acre	14.83	1.0000	14.83	_____		
Tractors	acre	24.84	1.0000	24.84	_____		
Self-Propelled	acre	49.06	1.0000	49.06	_____		

TOTAL FIXED EXPENSES				88.73	_____		

TOTAL SPECIFIED EXPENSES				601.14	_____		

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
			dollars	dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____
TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.4867	4.39	_____
OPERATOR LABOR	hour	11.23	0.9494	10.68	_____
UNALLOCATED LABOR	hour	11.23	0.7595	8.53	_____
DIESEL FUEL	gal	2.22	12.1830	27.03	_____
REPAIR & MAINTENANCE	acre	23.06	1.0000	23.06	_____
INTEREST ON OP. CAP.	acre	8.99	1.0000	8.99	_____
TOTAL DIRECT EXPENSES				512.41	_____
RETURNS ABOVE DIRECT EXPENSES				194.99	_____
TOTAL FIXED EXPENSES				88.73	_____
TOTAL SPECIFIED EXPENSES				601.14	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				106.26	_____

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

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

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

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

Fertilization decisions should be based on soil tests.

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

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

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

Fertilization decisions should be based on soil tests.

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dolars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.11	0.00	19.50	0.00	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.08	0.00	0.00	0.00	0.50	1.27	2.68	1.56	1.10	0.00	0.15	15.26
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.38	0.00	0.00	0.00	0.63	1.33	2.75	1.66	1.14	0.00	0.17	17.97
REPAIR & MAINTENANCE	1.26	0.00	0.00	0.00	0.26	0.77	2.02	0.89	0.58	0.00	0.06	17.22
INTEREST ON OP. CAP.	0.96	0.00	0.00	0.00	1.99	0.64	3.16	0.68	0.79	0.13	0.15	0.49
TOTAL DIRECT EXPENSES	22.18	0.00	0.00	0.00	68.64	25.13	143.30	37.25	53.50	11.29	19.18	131.94
NET INCOME	-22.18	0.00	0.00	0.00	-68.64	-25.13	-143.30	-37.25	-53.50	-11.29	-19.18	575.46
NET INCOME TO DATE	-22.18	-22.18	-22.18	-22.18	-90.82	-115.95	-259.25	-296.50	-350.00	-361.29	-380.47	194.99

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM		
DIRECT EXPENSES				dollars			
CUSTOM SPRAY							
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____		
App by Air (3 gal)	appl	5.00	3.2500	16.25	_____		
HARVEST AIDS							
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____		
Ethephon 6E	pt	2.85	1.3300	3.79	_____		
Tribufos 6lb	pt	7.15	0.5000	3.58	_____		
GINNING							
Gin & Haul	lb	0.09	900.0000	81.00	_____		
FERTILIZERS							
Potash (60% K20)	cwt	26.10	1.5000	39.15	_____		
UAN (32% N)	cwt	10.56	4.0000	42.24	_____		
FUNGICIDES							
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____		
HERBICIDES							
Clarity	pt	12.13	0.5000	6.07	_____		
Glyphosate 3lbs a.e.	oz	0.22	128.0000	28.16	_____		
Dual Magnum	pt	12.46	1.0000	12.46	_____		
Diuron 80%	lb	4.55	1.0000	4.55	_____		
INSECTICIDES							
Acephate 90%	lb	8.21	1.5200	12.48	_____		
Centric 40WG	oz	4.79	2.0000	9.58	_____		
Karate Z	oz	3.28	0.5000	1.64	_____		
Bidrin 8WM	oz	0.87	2.0000	1.74	_____		
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____		
TECHNOLOGY FEE							
BG II/RRF Tech Fee	cap/ac	67.50	1.0000	67.50	_____		
GROWTH REGULATORS							
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____		
CUSTOM FERTILIZE							
Custom Apply Fert	acre	7.00	1.0000	7.00	_____		
ERADICATION FEE							
Eradication Delta	acre	3.00	1.0000	3.00	_____		
INSECT SCOUTING							
Insect Scouting	acre	7.00	1.0000	7.00	_____		
CUSTOM LIME							
Lime (Spread)	ton	35.00	0.5000	17.50	_____		
OPERATOR LABOR							
Tractors	hour	11.23	0.7477	8.41	_____		
Self-Propelled	hour	11.23	0.2016	2.27	_____		
HAND LABOR							
Implements	hour	9.06	0.2997	2.70	_____		
Self-Propelled	hour	9.06	0.1869	1.69	_____		
UNALLOCATED LABOR	hour	11.23	0.7595	8.53	_____		
DIESEL FUEL							
Tractors	gal	2.22	8.6602	19.21	_____		
Self-Propelled	gal	2.22	3.5228	7.82	_____		
REPAIR & MAINTENANCE							
Implements	acre	8.26	1.0000	8.26	_____		
Tractors	acre	3.61	1.0000	3.61	_____		
Self-Propelled	acre	11.19	1.0000	11.19	_____		
INTEREST ON OP. CAP.	acre	8.73	1.0000	8.73	_____		

TOTAL DIRECT EXPENSES				499.92	_____		
FIXED EXPENSES							
Implements	acre	14.83	1.0000	14.83	_____		
Tractors	acre	24.84	1.0000	24.84	_____		
Self-Propelled	acre	49.06	1.0000	49.06	_____		

TOTAL FIXED EXPENSES				88.73	_____		

TOTAL SPECIFIED EXPENSES				588.65	_____		

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
			dollars	dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____
TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	28.25	1.0000	28.25	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	51.24	1.0000	51.24	_____
INSECTICIDES	acre	37.45	1.0000	37.45	_____
TECHNOLOGY FEE	acre	67.50	1.0000	67.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.4867	4.39	_____
OPERATOR LABOR	hour	11.23	0.9494	10.68	_____
UNALLOCATED LABOR	hour	11.23	0.7595	8.53	_____
DIESEL FUEL	gal	2.22	12.1830	27.03	_____
REPAIR & MAINTENANCE	acre	23.06	1.0000	23.06	_____
INTEREST ON OP. CAP.	acre	8.73	1.0000	8.73	_____
TOTAL DIRECT EXPENSES				499.92	_____
RETURNS ABOVE DIRECT EXPENSES				207.48	_____
TOTAL FIXED EXPENSES				88.73	_____
TOTAL SPECIFIED EXPENSES				588.65	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				118.75	_____

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

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

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

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST					FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	
-----dollars-----								
Lime (Spread)	ton	17.50				0.79	18.29	18.29
Paratill & Bed Fold.	12R-38		1.38	1.26	1.08	0.17	3.89	3.74
App by Air (5 gal)	appl	6.00				0.18	6.18	6.18
Clarity	pt	6.07				0.18	6.25	6.25
Glyphosate 3lbs a.e.	oz	7.04				0.21	7.25	7.25
Disk Bed (Hipper)	12R-38		0.63	0.26	0.50	0.04	1.43	1.24
Custom Apply Fert	acre	7.00				0.21	7.21	7.21
Potash (60% K20)	cwt	39.15				1.17	40.32	40.32
Fert Appl (Liquid)	12R-38		1.33	0.77	1.27	0.09	3.46	2.37
UAN (32% N)	cwt	21.12				0.55	21.67	21.67
Row Cond Folding	38'		1.05	0.41	0.83	0.05	2.34	2.36
Plant & Pre-Folding	12R-38		1.37	1.49	1.56	0.10	4.52	4.38
xxxCotton Seed BGRRF	thous							
BG II/RRF Tech Fee	cap/ac	67.50				1.52	69.02	69.02
Cotton Seed Trt.	acre	20.00				0.45	20.45	20.45
Insect Scouting	acre	7.00				0.16	7.16	7.16
Eradication Delta	acre	3.00				0.07	3.07	3.07
Sprayer 600-825gal	90' 247hp		0.33	0.12	0.29	0.02	0.76	0.88
Dual Magnum	pt	12.46				0.28	12.74	12.74
Glyphosate 3lbs a.e.	oz	7.04				0.16	7.20	7.20
Acephate 90%	lb	1.81				0.04	1.85	1.85
Sprayer 600-825gal	90' 247hp		0.33	0.12	0.29	0.01	0.75	0.88
Centric 40WG	oz	9.58				0.18	9.76	9.76
Mepiquat Chloride	oz	1.76				0.03	1.79	1.79
Glyphosate 3lbs a.e.	oz	7.04				0.13	7.17	7.17
Fert Appl (Liquid)	12R-38		1.33	0.77	1.27	0.06	3.43	2.37
UAN (32% N)	cwt	21.12				0.40	21.52	21.52
Spray (Direct/Layby)	12R-38		1.14	0.58	1.10	0.04	2.86	1.97
Diuron 80%	lb	4.55				0.07	4.62	4.62
Glyphosate 3lbs a.e.	oz	7.04				0.11	7.15	7.15
App by Air (3 gal)	appl	5.00				0.07	5.07	5.07
Acephate 90%	lb	4.52				0.07	4.59	4.59
Mepiquat Chloride	oz	1.76				0.03	1.79	1.79
App by Air (3 gal)	appl	1.25				0.02	1.27	1.27
Karate Z	oz	1.64				0.02	1.66	1.66
Bidrin 8WM	oz	1.74				0.03	1.77	1.77
Incidental Pest								
App by Air (3 gal)	appl	5.00				0.07	5.07	5.07
Incidental Pest Trt	acre	12.00				0.18	12.18	12.18
App by Air (3 gal)	appl	5.00				0.06	5.06	5.06
Acephate 90%	lb	6.16				0.07	6.23	6.23
App by Air (5 gal)	appl	6.00				0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28				0.04	5.32	5.32
Ethephon 6E	pt	3.79				0.03	3.82	3.82
Sprayer 600-825gal	90' 247hp		0.17	0.06	0.15		0.38	0.44
Tribufos 6lb	pt	3.58				0.03	3.61	3.61
Cotton Picker-1st-BB	6R-38(355)		6.99	10.89	5.05	0.09	23.02	46.86
Boll Buggy-1st pick	6R-38(330)		4.43	1.93	3.49	0.04	9.89	8.21
Module Builder-1st	6R-38(330)		4.43	2.36	5.05	0.04	11.88	9.19
Gin & Haul	lb	81.00				0.30	81.30	81.30
Stalk Shredder-Flail	20'		2.12	2.04	1.67	0.02	5.85	3.84
TOTALS		417.50	27.03	23.06	23.60	0.00	8.73	499.92
								88.73
								588.65

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

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dolars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	11.25	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	39.15	21.12	0.00	21.12	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.11	0.00	19.50	7.04	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	19.90	6.16	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.08	0.00	0.00	0.00	0.50	1.27	2.68	1.56	1.10	0.00	0.15	15.26
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.38	0.00	0.00	0.00	0.63	1.33	2.75	1.66	1.14	0.00	0.17	17.97
REPAIR & MAINTENANCE	1.26	0.00	0.00	0.00	0.26	0.77	2.02	0.89	0.58	0.00	0.06	17.22
INTEREST ON OP. CAP.	0.96	0.00	0.00	0.00	1.99	0.64	2.85	0.81	0.71	0.13	0.15	0.49
TOTAL DIRECT EXPENSES	22.18	0.00	0.00	0.00	68.64	25.13	129.11	44.42	48.03	11.29	19.18	131.94
NET INCOME	-22.18	0.00	0.00	0.00	-68.64	-25.13	-129.11	-44.42	-48.03	-11.29	-19.18	575.46
NET INCOME TO DATE	-22.18	-22.18	-22.18	-22.18	-90.82	-115.95	-245.06	-289.48	-337.51	-348.80	-367.98	207.48

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

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

TOTAL DIRECT EXPENSES				511.64	_____		
FIXED EXPENSES							
Implements	acre	12.19	1.0000	12.19	_____		
Tractors	acre	20.59	1.0000	20.59	_____		
Self-Propelled	acre	49.06	1.0000	49.06	_____		

TOTAL FIXED EXPENSES				81.84	_____		
TOTAL SPECIFIED EXPENSES							
				593.48	_____		

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
			dollars	dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____
TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	88.73	1.0000	88.73	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.4630	4.18	_____
OPERATOR LABOR	hour	11.23	0.8215	9.25	_____
UNALLOCATED LABOR	hour	11.24	0.6572	7.39	_____
DIESEL FUEL	gal	2.22	10.7018	23.75	_____
REPAIR & MAINTENANCE	acre	20.95	1.0000	20.95	_____
INTEREST ON OP. CAP.	acre	9.05	1.0000	9.05	_____
TOTAL DIRECT EXPENSES				511.64	_____
RETURNS ABOVE DIRECT EXPENSES				195.76	_____
TOTAL FIXED EXPENSES				81.84	_____
TOTAL SPECIFIED EXPENSES				593.48	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				113.92	_____

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

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

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

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

Fertilization decisions should be based on soil tests.

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

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

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

Fertilization decisions should be based on soil tests.

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	707.40
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	67.61	0.00	0.00	21.12	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.11	0.00	19.50	11.59	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	2.75	2.66	0.00	0.00	0.15	15.26
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.80	0.00	0.00	0.17	17.97
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.20	1.47	0.00	0.00	0.06	17.22
INTEREST ON OP. CAP.	0.79	0.00	0.00	0.00	2.80	0.00	3.17	0.95	0.57	0.13	0.15	0.49
TOTAL DIRECT EXPENSES	18.29	0.00	0.00	0.00	96.52	0.00	143.62	51.93	38.87	11.29	19.18	131.94
NET INCOME	-18.29	0.00	0.00	0.00	-96.52	0.00	-143.62	-51.93	-38.87	-11.29	-19.18	575.46
NET INCOME TO DATE	-18.29	-18.29	-18.29	-18.29	-114.81	-114.81	-258.43	-310.36	-349.23	-360.52	-379.70	195.76

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

Table 9.A Estimated costs per acre
 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 9.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 9.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	PERF SIZE	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 9.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	
-----dollars-----								
Lime (Spread)	ton	17.50					0.79	18.29
Phosphorus(46% P2O5)	cwt	2.69					0.12	2.81
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64		0.22	5.06
App by Air (5 gal)	appl	6.00					0.18	6.18
2,4-D Amine 4	pt	2.08					0.06	2.14
Glyphosate 3lbs a.e.	oz	7.04					0.21	7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75		0.06	1.90
Custom Apply Fert	acre	7.00					0.21	7.21
Potash (60% K2O)	cwt	36.54					1.10	37.64
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92		0.13	4.99
UAN (32% N)	cwt	19.01					0.50	19.51
Row Cond Rigid	26'		1.30	0.41	1.21		0.07	2.99
Plant & Pre-Rigid	8R-38		1.74	1.27	2.35		0.12	5.48
Cotton Seed BG/RR	thous	28.88					0.65	29.53
BG/RR Cot Tech Fee	cap/ac	52.50					1.18	53.68
Cotton Seed Trt.	acre	20.00					0.45	20.45
Insect Scouting	acre	7.00					0.16	7.16
Eradication NonDelta	acre	3.00					0.07	3.07
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44		0.02	0.95
Dual Magnum	pt	12.46					0.28	12.74
Glyphosate 3lbs a.e.	oz	7.04					0.16	7.20
Acephate 90%	lb	1.81					0.04	1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44		0.02	0.95
Centric 40WG	oz	9.58					0.18	9.76
Mepiquat Chloride	oz	1.76					0.03	1.79
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92		0.09	4.95
UAN (32% N)	cwt	19.01					0.36	19.37
Spray (Direct/Layby)	8R-38		1.45	0.59	1.65		0.06	3.75
Diuron 80%	lb	4.55					0.07	4.62
Glyphosate 3lbs a.e.	oz	7.04					0.11	7.15
App by Air (3 gal)	appl	5.00					0.07	5.07
Mepiquat Chloride	oz	1.76					0.03	1.79
Acephate 90%	lb	4.52					0.07	4.59
App by Air (3 gal)	appl	5.00					0.07	5.07
Karate Z	oz	6.56					0.10	6.66
Bidrin 8WM	oz	6.96					0.10	7.06
Incidental Pest								
App by Air (3 gal)	appl	2.50					0.04	2.54
Incidental Pest Trt	acre	6.00					0.09	6.09
App by Air (3 gal)	appl	5.00					0.06	5.06
Acephate 90%	lb	6.16					0.07	6.23
App by Air (5 gal)	appl	6.00					0.05	6.05
Thidiazuron 4lb	oz	5.28					0.04	5.32
Ethephon 6E	pt	3.79					0.03	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
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55		0.12	31.10
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21		0.05	13.54
Module Builder-1st	4R-38(325)		5.60	3.32	7.55		0.06	16.53
Gin & Haul	lb	67.50					0.25	67.75
Stalk Shredder	14'		2.56	1.69	2.38		0.02	6.65
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 9.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
-----dolars-----												
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 9.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	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 10.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
DIRECT EXPENSES				dollars	dollars
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	
Etephon 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 10.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 10.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					
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					
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					
UAN (32% N)	cwt					1.8000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May					
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May					
xxxCotton Seed BGRRF	thous					52.5000				
BG II/RFF 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					
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					
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					
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul					
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					
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct					
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct					
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct					
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct					
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 10.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	OP INPUT	FUEL	R&M	DIRECT COST	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
-----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% K20)	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 10.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 10.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 -312	-191 -299	-178 -286	-165 -273	-152 -260	-139 -247	-126 -234	-113 -221	-100 -208	-87 -195	-74 -182
60	450.00	lb	-172 -279	-156 -264	-141 -248	-125 -233	-109 -217	-94 -201	-78 -186	-63 -170	-47 -155	-31 -139	-16 -123
70	525.00	lb	-139 -247	-121 -229	-103 -211	-85 -193	-67 -174	-49 -156	-30 -138	-12 -120	5 -102	23 -83	41 -65
80	600.00	lb	-107 -215	-86 -194	-66 -173	-45 -153	-24 -132	-3 -111	16 -90	37 -69	58 -49	79 -28	100 -7
90	675.00	lb	-75 -183	-52 -159	-28 -136	-5 -113	17 -89	41 -66	64 -42	88 -19	111 3	134 27	158 50
100	750.00	lb	-43 -151	-17 -125	8 -99	34 -73	60 -47	86 -21	112 4	138 30	164 56	190 82	216 108
110	825.00	lb	-11 -118	17 -90	46 -61	74 -33	103 -4	131 24	160 52	188 81	217 109	246 138	274 166
120	900.00	lb	21 -86	52 -55	83 -24	114 6	145 38	176 69	208 100	239 131	270 162	301 193	332 225
130	975.00	lb	53 -54	87 -20	120 13	154 46	188 80	222 114	255 148	289 182	323 215	357 249	391 283
140	1050.00	lb	85 -22	121 14	158 50	194 86	230 123	267 159	303 196	340 232	376 268	412 305	449 341
150	1125.00	lb	117 9	156 48	195 87	234 126	273 165	312 204	351 243	390 282	429 321	468 360	507 399

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 11.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 11.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 11.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	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
NT Plant&Pre-Rigid	8R-38	MFWD 190	0.083	1.00	May			0.08	0.08	0.16
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
UAN (32% N)	cwt					1.8000				0.06
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun			0.06	0.06	0.10
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	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct			0.25	0.25	0.51
Gin & Haul	lb			1.00	Oct	750.0000				0.20
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct			0.11	0.11	0.11
TOTALS								1.22	0.92	1.91
										0.97

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

Fertilization decisions should be based on soil tests.

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

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.

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	Annual	Useful	Fuel	Labor	Fuel	R&M	Total	Fixed	Total
		Price	Use	Life	Use				Direct		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	Annual	Useful	Fuel	Perf	Labor	Fuel	R&M	Total	Fixed	Total
		Price	Use	Life	Use	Rate				Direct		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	Annual	Useful	Perf	Labor	Fuel	---R&M---		Total	--Fixed--		Total
			Price	Use	Life	Rate			Imp.	P.U.	Direct	Imp.	P.U.	Cost
			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							

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 Imp.	Total P.U.	--Fixed--	Total Cost
									Imp.	P.U.	Direct				
			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'	2													

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	Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---			Total Imp.	--Fixed--		Total Cost					
									Imp.	P.U.	Direct		Imp.	P.U.						
									\$/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	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</td											

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	Annual	Useful	Perf	Labor	Fuel	---R&M---		Total	--Fixed--	Total	
			Price	Use	Life	Rate		Imp.	P.U.	Direct	Imp.	P.U.	Cost	
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</							

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 Imp.	Total P.U.	--Fixed--	Total Cost
									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-3													

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	Annual	Useful	Perf	Labor	Fuel	---R&M---		Total	--Fixed--	Total
			Price	Use	Life	Rate		Imp.	P.U.	Direct	Imp.	P.U.	Cost
dollars hours years hr/ac -----\$/acre-----													
Plant & Pre-Rigid	4R-38	2WD 130	23,047	150	8	0.159	3.24	2.37	1.38	0.42	7.42	2.93	2.79
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Plant - Folding	32R-30	MFWD 225	187,567	150	8	0.023	0.47	0.60	1.65	0.11	2.85	3.52	0.78
Plant - Folding	36R-20	MFWD 225	135,309	150	8	0.031	0.63	0.80	1.59	0.15	3.19	3.39	1.04
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

(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	Annual	Useful	Perf	Labor	Fuel	---R&M---		Total	--Fixed--	Total	
			Price	Use	Life	Rate			Imp.	P.U.	Direct	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/HD/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	0.40	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
Solum Chlorate 6L	gal	4.69	Cotoran DF	lb	7.92
TDZ SC	oz	2.07	Cotton Pro	pt	3.13
Thidazuron 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	Guardsmen 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
Parryay	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	Gaucho 480	oz	8.56
Suprend	lb	11.17	Gaucho 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		
Penncap-M	pt	3.64	Rice Seed (Levees)	lb	0.33		
Phorate	lb	2.69	Rice Seed CF(Levees)	lb	0.88		
Pounce 25WP	lb	10.63	Rice Seed CFH(Levee)	lb	4.88		
Prolex	oz	2.87	Rice Seed Conv.	lb	0.33		
Provado 1.6F	oz	1.98	Sorghum Concept	lb	1.75		
Respect .8EC	pt	28.20	Sorghum Hybrid Sudax	lb	0.87		
Sevin 4F	pt	4.83	Soybean Seed RR	lb	0.99		
Sevin 80S	lb	6.81	Soybean Seed Stack	lb	0.88		
Sevin XLR Plus	qt	9.85	Wheat Seed Private	lb	0.29		
Sniper	oz	0.82	SURVEY & MARK LEVEES				
Steward	pt	25.91	Survey & Mark Levees	acre	4.00		
Temik 15G Grit	lb	3.78	Survey & Mark Levees	acre	3.50		
Temik 15G Gypsum	lb	3.38	TECHNOLOGY FEE				
Thimet 20-G Lock N L	lb	2.61	BG II/RRF Tech Fee	thous	1.45		
Thionex 3 EC	pt	3.40	BG II/RRF Tech Fee	cap/ac	67.50		
Thionex 50W	lb	8.20	BG/RR Cot Tech Fee	thous	1.13		
Tombstone 2E	pt	42.01	BG/RR Cot Tech Fee	cap/ac	52.50		
Tracer 4SC	oz	7.30	RR Cotton Tech Fee	thous	0.76		
Trimax	oz	3.11	RR Cotton Tech Fee	cap/ac	35.50		
Trimax Pro	oz	3.12	RRF Cotton Tech Fee	thous	1.00		
Vydate C-LV	oz	0.61	RRF Cotton Tech Fee	cap/ac	46.50		
Warrior Z	oz	1.85					

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

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

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

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

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

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

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

^b The basis is computed by subtracting the 2001-2009 average near futures contract month closings in October from the daily spot cash prices reported in October.

Sources: Arkansas Farm Bureau Commodity Report and Daily Grain Report, Mississippi Department of Ag-USDA Market News.

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

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

^e Price used in the 2010 MAFES Planning Budgets.

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST					FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL
-----dollars-----								
Land Plane	50'x16'		0.82	0.23	0.43		0.01	1.49
Disk Bed (Hipper)Rdg	8R-38		0.40	0.14	0.21		0.02	0.77
UAN (32% N)	cwt	3.17					0.08	3.25
Set Up Engine								
IRRIGATE LABOR	hour				0.23		0.01	0.24
Ditcher (1m/160a)			0.14	0.04	0.11		0.01	0.30
UAN (32% N)	cwt	3.17					0.06	3.23
Roll-Out Pipe	ft	6.60					0.12	6.72
Lay Roll-out Pipe								
Pipe Spool 160ac	1/4m roll		0.19	0.06	0.37		0.01	0.63
IRRIGATE LABOR	hour				1.81		0.03	1.84
Apply Water								
IRRIGATE LABOR	hour				0.23			0.23
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.28		0.01	0.78
Caparol 4L	pt	4.86					0.09	4.95
MSMA 6.6	pt	7.65					0.14	7.79
App by Air (3 gal)	appl	5.00					0.09	5.09
Mepiquat Chloride	oz	1.76					0.03	1.79
Apply Water								
IRRIGATE LABOR	hour				0.23			0.23
App by Air (3 gal)	appl	2.50					0.04	2.54
Incidental Pest Trt	acre	6.00					0.09	6.09
Apply Water								
IRRIGATE LABOR	hour				0.23			0.23
Pick Up Pipe								
Pipe Spool 160ac	1/4m roll		0.28	0.09	0.55		0.01	0.93
Land Forming (\$300)	each							24.59
Well & Pump, Furrow	each			2.03			0.04	2.07
Main Line Pipe	each							4.87
Engine, RPF, 75	each							5.67
June Irrigation	ac-in	6.33	0.78			0.13	7.24	7.24
July Irrigation	ac-in	6.33	0.78			0.11	7.22	7.22
August Irrigation	ac-in	6.33	0.78			0.08	7.19	7.19
TOTALS		40.71	21.17	5.07	4.68	0.00	1.21	72.84
								46.63
								119.47

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST						FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER		
-----dollars-----									
UAN (32% N)	cwt	3.17					0.08	3.25	3.25
Set Up Engine									
IRRIGATE LABOR	hour				0.27		0.01	0.28	0.28
Maintenance									
IRRIGATE LABOR	hour				1.07		0.02	1.09	1.09
UAN (32% N)	cwt	3.17					0.06	3.23	3.23
Apply Water									
IRRIGATE LABOR	hour				0.15			0.15	0.15
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.28		0.01	0.78	0.99
Caparol 4L	pt	4.86					0.09	4.95	4.95
MSMA 6.6	pt	7.65					0.14	7.79	7.79
App by Air (3 gal)	appl	5.00					0.09	5.09	5.09
Mepiquat Chloride	oz	1.76					0.03	1.79	1.79
Apply Water									
IRRIGATE LABOR	hour				0.20			0.20	0.20
App by Air (3 gal)	appl	2.50					0.04	2.54	2.54
Incidental Pest Trt	acre	6.00					0.09	6.09	6.09
Apply Water									
IRRIGATE LABOR	hour				0.15			0.15	0.15
Pivot, 1/4 CP	each		8.15				0.15	8.30	36.97
Well & Pump, 1/4 CP	each		2.40				0.05	2.45	8.20
Engine, 1/4 CP, 65	each								6.05
June Irr. 3app@.75"	ac-in	7.46	0.75				0.15	8.36	8.36
July Irr. 4app@.75"	ac-in	9.95	1.00				0.16	11.11	11.11
Aug Irr. 3app@.75"	ac-in	7.46	0.75				0.09	8.30	8.30
TOTALS		34.11	25.22	13.19	2.12	0.00	1.26	75.90	52.21
									128.11

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

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