

**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

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

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

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# 2010 Planning Budgets

## Budgets for Agricultural Enterprises

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

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

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

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

## Methods and Procedures

### Production Practices

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

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

### Machinery

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

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

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

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

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

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

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

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

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

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

\* Lease costs are based on hourly usage costs.



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

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

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

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

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

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____
				-----	
TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	28.25	1.0000	28.25	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	51.24	1.0000	51.24	_____
INSECTICIDES	acre	37.45	1.0000	37.45	_____
TECHNOLOGY FEE	acre	67.50	1.0000	67.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.7289	6.61	_____
OPERATOR LABOR	hour	11.23	1.4152	15.88	_____
UNALLOCATED LABOR	hour	11.25	1.1322	12.74	_____
DIESEL FUEL	gal	2.22	15.9294	35.37	_____
REPAIR & MAINTENANCE	acre	27.67	1.0000	27.67	_____
INTEREST ON OP. CAP.	acre	9.00	1.0000	9.00	_____
				-----	
TOTAL DIRECT EXPENSES				524.77	_____
RETURNS ABOVE DIRECT EXPENSES				182.63	_____
				-----	
TOTAL FIXED EXPENSES				107.73	_____
				-----	
TOTAL SPECIFIED EXPENSES				632.50	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				74.90	_____

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

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

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

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

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

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

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

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

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

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

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

\* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

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

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



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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____
				-----	
TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	88.73	1.0000	88.73	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	41.59	1.0000	41.59	_____
SEED/PLANTS	acre	28.88	1.0000	28.88	_____
TECHNOLOGY FEE	acre	52.50	1.0000	52.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.6934	6.29	_____
OPERATOR LABOR	hour	11.23	1.2231	13.72	_____
UNALLOCATED LABOR	hour	11.25	0.9785	11.01	_____
DIESEL FUEL	gal	2.22	14.0506	31.21	_____
REPAIR & MAINTENANCE	acre	24.87	1.0000	24.87	_____
INTEREST ON OP. CAP.	acre	9.21	1.0000	9.21	_____
				-----	
TOTAL DIRECT EXPENSES				533.38	_____
RETURNS ABOVE DIRECT EXPENSES				174.02	_____
				-----	
TOTAL FIXED EXPENSES				98.96	_____
				-----	
TOTAL SPECIFIED EXPENSES				632.34	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				75.06	_____

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

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

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

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

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

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

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

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

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

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

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

\* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	811.0000	562.02	_____
Cotton Seed	lb	0.06	1217.0000	75.45	_____
				-----	
TOTAL INCOME				637.47	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	29.50	1.0000	29.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	72.99	1.0000	72.99	_____
FERTILIZERS	acre	73.26	1.0000	73.26	_____
FUNGICIDES	acre	13.40	1.0000	13.40	_____
HERBICIDES	acre	33.95	1.0000	33.95	_____
INSECTICIDES	acre	38.43	1.0000	38.43	_____
SEED/PLANTS	acre	19.25	1.0000	19.25	_____
TECHNOLOGY FEE	acre	39.55	1.0000	39.55	_____
GROWTH REGULATORS	acre	2.36	1.0000	2.36	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.5297	4.78	_____
OPERATOR LABOR	hour	11.23	1.0709	12.04	_____
UNALLOCATED LABOR	hour	11.22	0.8567	9.62	_____
DIESEL FUEL	gal	2.22	11.8721	26.37	_____
REPAIR & MAINTENANCE	acre	21.90	1.0000	21.90	_____
INTEREST ON OP. CAP.	acre	7.87	1.0000	7.87	_____
				-----	
TOTAL DIRECT EXPENSES				452.42	_____
RETURNS ABOVE DIRECT EXPENSES				185.05	_____
TOTAL FIXED EXPENSES					
				82.21	_____
				-----	
TOTAL SPECIFIED EXPENSES				534.63	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				102.84	_____

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

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

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

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



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

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

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

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

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

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

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

\* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

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

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

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.69	900.0000	623.70	_____
Cotton Seed	lb	0.06	1350.0000	83.70	_____
				-----	
TOTAL INCOME				707.40	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	39.50	1.0000	39.50	_____
HARVEST AIDS	acre	12.65	1.0000	12.65	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	81.39	1.0000	81.39	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	44.20	1.0000	44.20	_____
INSECTICIDES	acre	92.03	1.0000	92.03	_____
TECHNOLOGY FEE	acre	35.50	1.0000	35.50	_____
GROWTH REGULATORS	acre	3.52	1.0000	3.52	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.7324	6.64	_____
OPERATOR LABOR	hour	11.23	1.4223	15.96	_____
UNALLOCATED LABOR	hour	11.24	1.1378	12.80	_____
DIESEL FUEL	gal	2.22	15.9929	35.51	_____
REPAIR & MAINTENANCE	acre	27.73	1.0000	27.73	_____
INTEREST ON OP. CAP.	acre	9.06	1.0000	9.06	_____
				-----	
TOTAL DIRECT EXPENSES				551.99	_____
RETURNS ABOVE DIRECT EXPENSES				155.41	_____
				-----	
TOTAL FIXED EXPENSES				108.13	_____
				-----	
TOTAL SPECIFIED EXPENSES				660.12	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				47.28	_____

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

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

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

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

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

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

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

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

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

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

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

\* Lease costs are based on hourly usage costs.



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

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Cotton Lint			0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86
PERCENT	YIELD	UNIT	-----dollars-----										
50	450.00	lb	-193 -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					
Eradiation Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.7477	8.41	_____
Self-Propelled	hour	11.23	0.2016	2.27	_____
HAND LABOR					
Implements	hour	9.06	0.2997	2.70	_____
Self-Propelled	hour	9.06	0.1869	1.69	_____
UNALLOCATED LABOR					
	hour	11.23	0.7595	8.53	_____
DIESEL FUEL					
Tractors	gal	2.22	8.6602	19.21	_____
Self-Propelled	gal	2.22	3.5228	7.82	_____
REPAIR & MAINTENANCE					
Implements	acre	8.26	1.0000	8.26	_____
Tractors	acre	3.61	1.0000	3.61	_____
Self-Propelled	acre	11.19	1.0000	11.19	_____
INTEREST ON OP. CAP.	acre	8.99	1.0000	8.99	_____
TOTAL DIRECT EXPENSES				512.41	_____
FIXED EXPENSES					
Implements	acre	14.83	1.0000	14.83	_____
Tractors	acre	24.84	1.0000	24.84	_____
Self-Propelled	acre	49.06	1.0000	49.06	_____
TOTAL FIXED EXPENSES				88.73	_____
TOTAL SPECIFIED EXPENSES				601.14	_____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

\* Lease costs are based on hourly usage costs.

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

\* Lease costs are based on hourly usage costs.

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

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Cotton Lint			0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.76	0.79	0.83	0.86
PERCENT	YIELD	UNIT	-----dollars-----										
50	450.00	lb	-141 -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
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	6.00	2.0000	12.00	_____
App by Air ( 3 gal)	appl	5.00	3.5000	17.50	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	26.10	1.5000	39.15	_____
Amm Nitrate (34% N)	cwt	14.23	2.0000	28.46	_____
UAN (32% N)	cwt	10.56	2.0000	21.12	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	12.13	0.5000	6.07	_____
Glyphosate 3lbs a.e.	oz	0.22	96.0000	21.12	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	2.0000	6.56	_____
Bidrin 8WM	oz	0.87	8.0000	6.96	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BG/RR	thous	0.55	52.5000	28.88	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	52.50	1.0000	52.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication Delta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.6198	6.98	_____
Self-Propelled	hour	11.23	0.2016	2.27	_____
HAND LABOR					
Implements	hour	9.06	0.2760	2.49	_____
Self-Propelled	hour	9.06	0.1869	1.69	_____
UNALLOCATED LABOR					
	hour	11.24	0.6572	7.39	_____
DIESEL FUEL					
Tractors	gal	2.22	7.1790	15.93	_____
Self-Propelled	gal	2.22	3.5228	7.82	_____
REPAIR & MAINTENANCE					
Implements	acre	6.77	1.0000	6.77	_____
Tractors	acre	2.99	1.0000	2.99	_____
Self-Propelled	acre	11.19	1.0000	11.19	_____
INTEREST ON OP. CAP.	acre	9.05	1.0000	9.05	_____
TOTAL DIRECT EXPENSES				511.64	_____
FIXED EXPENSES					
Implements	acre	12.19	1.0000	12.19	_____
Tractors	acre	20.59	1.0000	20.59	_____
Self-Propelled	acre	49.06	1.0000	49.06	_____
TOTAL FIXED EXPENSES				81.84	_____
TOTAL SPECIFIED EXPENSES				593.48	_____

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

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

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

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

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

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

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



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

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

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

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

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

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

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

\* Lease costs are based on hourly usage costs.

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

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

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 SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
Paratill & Bed Fold.	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
App by Air ( 5 gal)	appl			1.00	Mar	1.0000				
2,4-D Amine 4	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed BG/RR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication NonDelta	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					8.0000				
Acephate 90%	lb					0.5500				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air ( 3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air ( 3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air ( 5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
<b>TOTALS</b>							<b>1.41</b>	<b>1.11</b>	<b>2.14</b>	<b>1.13</b>

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	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
Phosphorus(46% P2O5)	cwt	2.69						0.12	2.81	2.81
Paratill & Bed Fold.	8R-38		1.75	1.45	1.64			0.22	5.06	4.44 9.50
App by Air ( 5 gal)	appl	6.00						0.18	6.18	6.18
2,4-D Amine 4	pt	2.08						0.06	2.14	2.14
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25	7.25
Disk Bed (Hipper)Rdg	8R-38		0.80	0.29	0.75			0.06	1.90	1.45 3.35
Custom Apply Fert	acre	7.00						0.21	7.21	7.21
Potash (60% K2O)	cwt	36.54						1.10	37.64	37.64
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.13	4.99	3.32 8.31
UAN (32% N)	cwt	19.01						0.50	19.51	19.51
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47 5.46
Plant & Pre-Rigid	8R-38		1.74	1.27	2.35			0.12	5.48	4.26 9.74
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 1.94
Dual Magnum	pt	12.46						0.28	12.74	12.74
Glyphosate 3lbs a.e.	oz	7.04						0.16	7.20	7.20
Acephate 90%	lb	1.81						0.04	1.85	1.85
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.44			0.02	0.95	0.99 1.94
Centric 40WG	oz	9.58						0.18	9.76	9.76
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32 8.27
UAN (32% N)	cwt	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	5.00						0.07	5.07	5.07
Karate Z	oz	6.56						0.10	6.66	6.66
Bidrin 8WM	oz	6.96						0.10	7.06	7.06
Incidental Pest										
App by Air ( 3 gal)	appl	2.50						0.04	2.54	2.54
Incidental Pest Trt	acre	6.00						0.09	6.09	6.09
App by Air ( 3 gal)	appl	5.00						0.06	5.06	5.06
Acephate 90%	lb	6.16						0.07	6.23	6.23
App by Air ( 5 gal)	appl	6.00						0.05	6.05	6.05
Thidiazuron 4lb	oz	5.28						0.04	5.32	5.32
Ethephon 6E	pt	3.79						0.03	3.82	3.82
Sprayer 600-750gal	60' 175hp		0.18	0.07	0.22				0.47	0.50 0.97
Tribufos 6lb	pt	3.58						0.03	3.61	3.61
Cotton Picker-1st-BB	4R-38(350)		10.31	13.12	7.55			0.12	31.10	56.43 87.53
Boll Buggy-1st pick	4R-38(325)		5.60	2.68	5.21			0.05	13.54	10.87 24.41
Module Builder-1st	4R-38(325)		5.60	3.32	7.55			0.06	16.53	12.34 28.87
Gin & Haul	lb	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		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
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589.50
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.50
FERTILIZERS	2.69	0.00	0.00	0.00	36.54	19.01	0.00	19.01	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.12	0.00	19.50	0.00	11.59	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.64	0.00	0.00	0.00	0.75	1.92	4.00	2.36	1.65	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.75	0.00	0.00	0.00	0.80	1.69	3.39	2.04	1.45	0.00	0.18	24.07
REPAIR & MAINTENANCE	1.45	0.00	0.00	0.00	0.29	1.25	1.82	1.39	0.59	0.00	0.07	20.81
INTEREST ON OP. CAP.	1.13	0.00	0.00	0.00	1.82	0.63	3.20	0.68	0.81	0.13	0.15	0.50
TOTAL DIRECT EXPENSES	26.16	0.00	0.00	0.00	62.32	24.50	145.10	36.82	54.39	11.29	19.27	135.57
NET INCOME	-26.16	0.00	0.00	0.00	-62.32	-24.50	-145.10	-36.82	-54.39	-11.29	-19.27	453.93
NET INCOME TO DATE	-26.16	-26.16	-26.16	-26.16	-88.48	-112.98	-258.08	-294.90	-349.29	-360.58	-379.85	74.08

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

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

\* Lease costs are based on hourly usage costs.



Table 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-----													
	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	-203	-190	-177	-164	-151	-138	-125	-112	-99	-86	
			-324	-311	-298	-285	-272	-259	-246	-233	-220	-207	-194	
60	450.00	lb	-184	-169	-153	-137	-122	-106	-91	-75	-59	-44	-28	
			-292	-276	-261	-245	-230	-214	-198	-183	-167	-152	-136	
70	525.00	lb	-152	-134	-116	-97	-79	-61	-43	-25	-6	11	29	
			-260	-242	-223	-205	-187	-169	-151	-132	-114	-96	-78	
80	600.00	lb	-120	-99	-78	-57	-37	-16	4	25	46	66	87	
			-228	-207	-186	-165	-144	-124	-103	-82	-61	-40	-20	
90	675.00	lb	-88	-64	-41	-17	5	28	52	75	99	122	145	
			-195	-172	-149	-125	-102	-78	-55	-32	-8	14	38	
100	750.00	lb	-55	-29	-3	22	48	74	100	126	152	178	204	
			-163	-137	-111	-85	-59	-33	-7	18	44	70	96	
110	825.00	lb	-23	4	33	62	90	119	147	176	205	233	262	
			-131	-102	-74	-45	-17	11	40	68	97	125	154	
120	900.00	lb	8	39	70	102	133	164	195	226	258	289	320	
			-99	-67	-36	-5	25	56	87	119	150	181	212	
130	975.00	lb	40	74	108	142	175	209	243	277	311	344	378	
			-66	-33	0	34	68	101	135	169	203	237	270	
140	1050.00	lb	72	109	145	182	218	254	291	327	364	400	436	
			-34	1	38	74	110	147	183	219	256	292	329	
150	1125.00	lb	105	144	183	222	261	300	339	378	417	456	494	
			-2	36	75	114	153	192	231	270	309	348	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
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	6.00	2.0000	12.00	_____
App by Air ( 3 gal)	appl	5.00	3.2500	16.25	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.64	2.0000	5.28	_____
Ethephon 6E	pt	2.85	1.3300	3.79	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	750.0000	67.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.1750	2.69	_____
Potash (60% K2O)	cwt	26.10	1.4000	36.54	_____
UAN (32% N)	cwt	10.56	3.6000	38.02	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
2,4-D Amine 4	pt	2.08	1.0000	2.08	_____
Glyphosate 3lbs a.e.	oz	0.22	128.0000	28.16	_____
Dual Magnum	pt	12.46	1.0000	12.46	_____
Diuron 80%	lb	4.55	1.0000	4.55	_____
INSECTICIDES					
Acephate 90%	lb	8.21	1.5200	12.48	_____
Centric 40WG	oz	4.79	2.0000	9.58	_____
Karate Z	oz	3.28	0.5000	1.64	_____
Bidrin 8WM	oz	0.87	2.0000	1.74	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
TECHNOLOGY FEE					
BG II/RRF Tech Fee	cap/ac	67.50	1.0000	67.50	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.22	16.0000	3.52	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication NonDelta	acre	3.00	1.0000	3.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.1134	12.49	_____
Self-Propelled	hour	11.23	0.3018	3.39	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.2798	2.54	_____
UNALLOCATED LABOR	hour	11.25	1.1322	12.74	_____
DIESEL FUEL					
Tractors	gal	2.22	10.8888	24.18	_____
Self-Propelled	gal	2.22	5.0405	11.19	_____
REPAIR & MAINTENANCE					
Implements	acre	9.75	1.0000	9.75	_____
Tractors	acre	4.45	1.0000	4.45	_____
Self-Propelled	acre	13.47	1.0000	13.47	_____
INTEREST ON OP. CAP.	acre	8.79	1.0000	8.79	_____
TOTAL DIRECT EXPENSES				502.93	_____
FIXED EXPENSES					
Implements	acre	17.94	1.0000	17.94	_____
Tractors	acre	30.88	1.0000	30.88	_____
Self-Propelled	acre	58.91	1.0000	58.91	_____
TOTAL FIXED EXPENSES				107.73	_____
TOTAL SPECIFIED EXPENSES				610.66	_____

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

Table 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		0.08	0.08	0.08	0.06	
App by Air ( 5 gal)	appl			1.00	Mar	1.0000					
2,4-D Amine 4	pt					1.0000					
Glyphosate 3lbs a.e.	oz					32.0000					
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02	
Custom Apply Fert	acre			1.00	Mar	1.0000					
Potash (60% K2O)	cwt					1.4000					
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06	
UAN (32% N)	cwt					1.8000					
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04	
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06	
xxxCotton Seed BGRRF	thous					52.5000					
BG II/RRF Tech Fee	cap/ac					1.0000					
Cotton Seed Trt.	acre					1.0000					
Insect Scouting	acre			1.00	May	1.0000					
Eradication NonDelta	acre					1.0000					
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01	
Dual Magnum	pt					1.0000					
Glyphosate 3lbs a.e.	oz					32.0000					
Acephate 90%	lb					0.2200					
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01	
Centric 40WG	oz					2.0000					
Mepiquat Chloride	oz					8.0000					
Glyphosate 3lbs a.e.	oz					32.0000					
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06	
UAN (32% N)	cwt					1.8000					
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05	
Diuron 80%	lb					1.0000					
Glyphosate 3lbs a.e.	oz					32.0000					
App by Air ( 3 gal)	appl			1.00	Jul	1.0000					
Mepiquat Chloride	oz					8.0000					
Acephate 90%	lb					0.5500					
App by Air ( 3 gal)	appl			0.25	Jul	0.2500					
Karate Z	oz					0.5000					
Bidrin 8WM	oz					2.0000					
Incidental Pest				1.00	Jul						
App by Air ( 3 gal)	appl					1.0000					
Incidental Pest Trt	acre					1.0000					
App by Air ( 3 gal)	appl			1.00	Aug	1.0000					
Acephate 90%	lb					0.7500					
App by Air ( 5 gal)	appl			1.00	Sep	1.0000					
Thidiazuron 4lb	oz					2.0000					
Ethephon 6E	pt					1.3300					
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00	
Tribufos 6lb	pt					0.5000					
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20	
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20	
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20	
Gin & Haul	lb			1.00	Oct	750.0000					
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09	
TOTALS								1.41	1.11	2.14	1.13

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

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

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

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

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

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

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

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

Table 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	POWER IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
App by Air ( 5 gal)	appl			1.00	Mar	1.0000				
2,4-D Amine 4	pt					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
Custom Apply Fert	acre			1.00	Mar	1.0000				
Amm Nitrate (34% N)	cwt					1.8000				
Potash (60% K2O)	cwt					1.4000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant&Pre-Rigid	8R-38	MFWD 190	0.083	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed BG/RR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Cotton Seed Trt.	acre					1.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication NonDelta	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Glyphosate 3lbs a.e.	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					8.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					8.0000				
Acephate 90%	lb					0.5500				
App by Air ( 3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8WM	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air ( 3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air ( 3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air ( 5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
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	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
Phosphorus(46% P2O5)	cwt	2.69						0.12	2.81	2.81
App by Air ( 5 gal)	appl	6.00						0.18	6.18	6.18
2,4-D Amine 4	pt	2.08						0.06	2.14	2.14
Glyphosate 3lbs a.e.	oz	7.04						0.21	7.25	7.25
Custom Apply Fert	acre	7.00						0.21	7.21	7.21
Amm Nitrate (34% N)	cwt	25.61						0.77	26.38	26.38
Potash (60% K2O)	cwt	36.54						1.10	37.64	37.64
Row Cond Rigid	26'		1.30	0.41	1.21			0.07	2.99	2.47 5.46
NT Plant&Pre-Rigid	8R-38		1.82	1.46	2.45			0.13	5.86	4.70 10.56
Cotton Seed BG/RR	thous	28.88						0.65	29.53	29.53
BG/RR Cot Tech Fee	cap/ac	52.50						1.18	53.68	53.68
Cotton Seed Trt.	acre	20.00						0.45	20.45	20.45
Insect Scouting	acre	7.00						0.16	7.16	7.16
Eradication 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
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 1.94
Centric 40WG	oz	9.58						0.18	9.76	9.76
Mepiquat Chloride	oz	1.76						0.03	1.79	1.79
Fert Appl (Liquid)	8R-38		1.69	1.25	1.92			0.09	4.95	3.32 8.27
UAN (32% N)	cwt	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 6.03
Diuron 80%	lb	4.55						0.09	4.64	4.64
Glyphosate 3lbs a.e.	oz	7.04						0.13	7.17	7.17
App by Air ( 3 gal)	appl	5.00						0.07	5.07	5.07
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 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		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
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589.50
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	12.50	5.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.50
FERTILIZERS	2.69	0.00	0.00	0.00	62.15	0.00	0.00	19.01	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.12	0.00	19.50	11.59	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.81	9.58	24.04	6.16	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	28.88	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	52.50	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.10	4.01	0.00	0.00	0.22	22.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	3.47	3.49	0.00	0.00	0.18	24.07
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.98	0.00	0.00	0.07	20.81
INTEREST ON OP. CAP.	0.91	0.00	0.00	0.00	2.53	0.00	3.21	0.97	0.57	0.13	0.15	0.50
TOTAL DIRECT EXPENSES	21.10	0.00	0.00	0.00	86.80	0.00	145.48	52.39	38.87	11.29	19.27	135.57
NET INCOME	-21.10	0.00	0.00	0.00	-86.80	0.00	-145.48	-52.39	-38.87	-11.29	-19.27	453.93
NET INCOME TO DATE	-21.10	-21.10	-21.10	-21.10	-107.90	-107.90	-253.38	-305.77	-344.64	-355.93	-375.20	78.73

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

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

\* Lease costs are based on hourly usage costs.

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

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



## APPENDIX

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

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

## Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

CB = Cab, RB = Roll Bar



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

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
Backhoe	2WD Cab	71,348	0	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker-1st-BB	4R-30(250)	261,825	200	8	12.86	0.327	6.64	9.35	13.39	29.38	57.62	87.01
Cotton Picker-1st-BB	4R-30(350)	311,088	200	8	18.01	0.327	6.64	13.09	15.91	35.64	68.47	104.12
Cotton Picker-1st-BB	4R-38(255)	262,818	200	8	13.12	0.257	5.23	7.51	10.58	23.32	45.54	68.87
Cotton Picker-1st-BB	4R-38(350)	325,618	200	8	18.01	0.257	5.23	10.30	13.11	28.65	56.43	85.08
Cotton Picker-1st-BB	4R2x1(350)	353,354	200	8	18.01	0.172	3.49	6.89	9.51	19.90	40.93	60.83
Cotton Picker-1st-BB	5R-30(250)	285,303	200	8	12.86	0.261	5.31	7.48	11.67	24.47	50.23	74.70
Cotton Picker-1st-BB	5R-36(250)	290,471	200	8	12.86	0.207	4.20	5.91	9.40	19.52	40.46	59.99
Cotton Picker-1st-BB	4R-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 (continued)

Table with 14 columns: Item Name, Size, Power Unit, Purchase Price, Annual Use, Useful Life, Perf Rate, Labor, Fuel, R&M Imp., P.U., Total Direct, Fixed Imp., P.U., Total Cost. Rows list various agricultural equipment like NT Plant-Folding, Paratill & Bed Fold., and Peanut Harvester.

(continued)







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

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

(continued)

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

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

(continued)

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

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

(continued)

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

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Knack	pt	86.07	Zeal	oz	19.71
Lannate LV	pt	8.74	Zephyr	oz	4.02
Lannate SP	oz	1.75	IRRIGATION SUPPLIES		
Larvin 3.2	oz	0.53	Roll-Out Pipe	ft	0.20
Leverage 2.7	oz	1.79	SEED/PLANTS		
Lorsban 15G	lb	1.89	Corn Seed BtRR	thous	2.95
Lorsban 4E	pt	6.42	Corn Seed RR	thous	2.72
Malathion 57EC	pt	4.23	Cotton Seed BG/RR	thous	0.55
Malathion 5E	pt	3.81	Cotton Seed BG11/RRF	thous	0.57
Malathion 8E	pt	5.50	Cotton Seed Liberty	thous	0.62
Methyl 4EC	pt	4.84	Cotton Seed RR	thous	0.53
Methyl Parathion 4	pt	4.30	Cotton Seed RRF	thous	0.55
Monitor 4	pt	15.67	Peanut Seed	lb	0.86
Mustang Max	oz	1.55	Rice Clearfield	lb	0.88
Oberon 4 SC	pt	66.58	Rice Clearfield Hyb	lb	4.28
Orthene 90S	lb	8.04	Rice Conv. Hybrid	lb	3.20
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 <sup>a</sup>	Basis <sup>b</sup>	Forward Contract Price <sup>c</sup>	Loan Rate <sup>d</sup>	Budget Price <sup>e</sup>
Corn	bu	Dec '10	4.13	-0.2841	3.85	2.08	3.85
Cotton Lint	lb	Dec '10	0.719	-0.0264	0.693	.524	0.693
Cottonseed	lb						0.062 <sup>f</sup>
Grain Sorghum	bu				3.62	1.97	3.62
Peanuts	ton				400.00	354.00	400.00
Soybeans	bu	Nov '10	9.55	-0.3320	9.22	5.18	9.22
Rice	bu	Sep '10	6.33	-0.6710	5.66	2.96	5.66
Wheat	bu	Jul '10	5.39	-0.6899	4.70	2.01	4.70

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

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

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

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

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

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

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			
-----dollars-----										
Land Plane	50'x16'		0.82	0.23	0.43		0.01	1.49	1.28	2.77
Disk Bed (Hipper)Rdg	8R-38		0.40	0.14	0.21		0.02	0.77	0.72	1.49
UAN (32% N)	cwt	3.17					0.08	3.25		3.25
Set Up Engine										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Ditcher (1m/160a)			0.14	0.04	0.11		0.01	0.30	0.19	0.49
UAN (32% N)	cwt	3.17					0.06	3.23		3.23
Roll-Out Pipe	ft	6.60					0.12	6.72		6.72
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.19	0.06	0.37		0.01	0.63	0.56	1.19
IRRIGATE LABOR	hour				1.81		0.03	1.84		1.84
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.28		0.01	0.78	0.99	1.77
Caparol 4L	pt	4.86					0.09	4.95		4.95
MSMA 6.6	pt	7.65					0.14	7.79		7.79
App by Air ( 3 gal)	appl	5.00					0.09	5.09		5.09
Mepiquat Chloride	oz	1.76					0.03	1.79		1.79
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
App by Air ( 3 gal)	appl	2.50					0.04	2.54		2.54
Incidental Pest Trt	acre	6.00					0.09	6.09		6.09
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.28	0.09	0.55		0.01	0.93	0.84	1.77
Land Forming (\$300)	each								24.59	24.59
Well & Pump, Furrow	each			2.03			0.04	2.07	6.92	8.99
Main Line Pipe	each								4.87	4.87
Engine, RPF, 75	each								5.67	5.67
June Irrigation	ac-in		6.33	0.78			0.13	7.24		7.24
July Irrigation	ac-in		6.33	0.78			0.11	7.22		7.22
August Irrigation	ac-in		6.33	0.78			0.08	7.19		7.19
TOTALS		40.71	21.17	5.07	4.68	0.00	1.21	72.84	46.63	119.47

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
UAN (32% N)	cwt	3.17						0.08	3.25		3.25
Set Up Engine											
IRRIGATE LABOR	hour				0.27			0.01	0.28		0.28
Maintenance											
IRRIGATE LABOR	hour				1.07			0.02	1.09		1.09
UAN (32% N)	cwt	3.17						0.06	3.23		3.23
Apply Water											
IRRIGATE LABOR	hour				0.15				0.15		0.15
Sprayer 600-750gal	60' 175hp		0.35	0.14	0.28			0.01	0.78	0.99	1.77
Caparol 4L	pt	4.86						0.09	4.95		4.95
MSMA 6.6	pt	7.65						0.14	7.79		7.79
App by Air ( 3 gal)	appl	5.00						0.09	5.09		5.09
Mepiquat Chloride	oz	1.76						0.03	1.79		1.79
Apply Water											
IRRIGATE LABOR	hour				0.20				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	45.27
Well & Pump, 1/4 CP	each			2.40				0.05	2.45	8.20	10.65
Engine, 1/4 CP, 65	each									6.05	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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