

**COTTON
2012
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2011-01**

December 2011

Foreword

This report is designed to provide necessary planning data to farmers, research and extension staffs, lending agencies, and others in agriculture. Readers are cautioned that returns presented are labeled "**Returns Above Specified Expenses.**" Estimated costs for land, management, and general farm overhead are not included in this report. The exception is unallocated labor, which is included. "**Returns Above Direct Expenses**" should be used in making 2012 planning decisions. This would be a one-year short-run decision. Decisions beyond one year, or long-run decisions, should be based on "**Returns Above Specified Expenses.**"

Acknowledgments

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

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2012 Planning Budgets

Budgets for Agricultural Enterprises

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

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

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

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

Methods and Procedures

Production Practices

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

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

Machinery

Machinery manufacturers form the basis for machinery prices used in these publications. Prices by size of equipment are determined from the most common sales in each category as reported by machinery dealers. Prices used in the budgets reflect prices paid by farmers in 2011. (Appendix Tables 1, 2, and 3).

A performance rate reflects the time required to perform a given task or operation and is expressed as that part of an hour per acre.

Previous studies and expert knowledge of the equipment committee members are used to estimate performance rates for new and larger equipment (1, 4, 5, 6, 7, 9, and 13).

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

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

Estimates of Direct Costs

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

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

$$RPA = RPH \times PR$$

where:

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

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

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

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

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

Estimates of Fixed Costs

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

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

where:

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

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

where:

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

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

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

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

where:

CRCPH = Capital recovery charge per hour

HAU = Hours of annual use

CRCPA = Capital recovery charge per acre

PR = Performance rate

Estimates of Returns

It is difficult to estimate crop yields that may be expected for a particular production system in a given year. Crop yields used in the budgets are representative of historical yields modified to match the production system used to produce the yield. All yields including conventional, no-tillage, irrigation, and double-cropping are tempered with unpublished research and judgments of the commodity committees. Producers should use yield estimates that are reflective of their own 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 2011 crop year. Government payments for commodities are not included in the budgets except to the extent that they are included in loan rates.

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

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

Irrigation Costs

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
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	3.2500	14.63	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	29.19	1.5000	43.79	_____
UAN (32% N)	cwt	18.54	4.0000	74.16	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	96.0000	10.56	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Diuron 4L	pt	3.28	1.6000	5.25	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	45.0000	27.90	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	1.1134	12.92	_____
Self-Propelled	hour	11.60	0.3194	3.69	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.2886	2.62	_____
UNALLOCATED LABOR					
	hour	11.56	1.1463	13.26	_____
DIESEL FUEL					
Tractors	gal	3.40	10.8888	37.02	_____
Self-Propelled	gal	3.40	5.1992	17.68	_____
REPAIR & MAINTENANCE					
Implements	acre	9.85	1.0000	9.85	_____
Tractors	acre	4.99	1.0000	4.99	_____
Self-Propelled	acre	14.66	1.0000	14.66	_____
INTEREST ON OP. CAP.	acre	10.14	1.0000	10.14	_____
TOTAL DIRECT EXPENSES				605.12	_____
FIXED EXPENSES					
Implements	acre	16.45	1.0000	16.45	_____
Tractors	acre	31.84	1.0000	31.84	_____
Self-Propelled	acre	60.02	1.0000	60.02	_____
TOTAL FIXED EXPENSES				108.31	_____
TOTAL SPECIFIED EXPENSES				713.43	_____

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

Table 1.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	900.0000	821.70	_____
Cotton Seed	lb	0.07	1350.0000	102.60	_____

TOTAL INCOME				924.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	26.13	1.0000	26.13	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	117.95	1.0000	117.95	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	50.60	1.0000	50.60	_____
INSECTICIDES	acre	32.43	1.0000	32.43	_____
SEED/PLANTS	acre	27.90	1.0000	27.90	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.7377	6.69	_____
OPERATOR LABOR	hour	11.60	1.4328	16.61	_____
UNALLOCATED LABOR	hour	11.56	1.1463	13.26	_____
DIESEL FUEL	gal	3.40	16.0881	54.70	_____
REPAIR & MAINTENANCE	acre	29.50	1.0000	29.50	_____
INTEREST ON OP. CAP.	acre	10.14	1.0000	10.14	_____

TOTAL DIRECT EXPENSES				605.12	_____
RETURNS ABOVE DIRECT EXPENSES				319.18	_____

TOTAL FIXED EXPENSES				108.31	_____

TOTAL SPECIFIED EXPENSES				713.43	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				210.87	_____

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

Table 1.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Bed-Paratill	Fold	8R-38	MFWD 190	0.080	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				
Bed-Disk (Hipper)Rd	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.5000				
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 B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
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					12.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 4L	pt					1.6000				
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					12.0000				
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	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.43	1.11	2.17	1.14

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

Table 1.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
B2RF variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Bed-Paratill Fold	8R-38		2.69	1.93	1.69			0.27	6.58	5.10	11.68
App by Air (5 gal)	appl	5.75						0.16	5.91		5.91
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)Rd	8R-38		1.23	0.31	0.77			0.07	2.38	1.44	3.82
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	43.79						1.24	45.03		45.03
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.14	5.94	3.25	9.19
UAN (32% N)	cwt	37.08						0.92	38.00		38.00
Row Cond Rigid	26'		1.99	0.44	1.24			0.08	3.75	2.45	6.20
Plant & Pre-Rigid	8R-38		2.67	1.36	2.40			0.14	6.57	4.25	10.82
Cotton Seed B2RF	thous	27.90						0.59	28.49		28.49
B2RF Cot Tech Fee	thous	67.05						1.42	68.47		68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Dual Magnum	pt	12.25						0.26	12.51		12.51
Glyphosate 3lbs a.e.	oz	3.52						0.07	3.59		3.59
Acephate 90%	lb	1.46						0.03	1.49		1.49
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.10	5.90	3.25	9.15
UAN (32% N)	cwt	37.08						0.66	37.74		37.74
Spray (Direct/Layby)	8R-38		2.22	0.65	1.70			0.06	4.63	2.34	6.97
Diuron 4L	pt	5.25						0.07	5.32		5.32
Glyphosate 3lbs a.e.	oz	3.52						0.05	3.57		3.57
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Acephate 90%	lb	3.65						0.05	3.70		3.70
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
App by Air (3 gal)	appl	1.13						0.02	1.15		1.15
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.82						0.03	1.85		1.85
Incidental Pest											
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Incidental Pest Trt	acre	12.00						0.17	12.17		12.17
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Acephate 90%	lb	4.97						0.05	5.02		5.02
App by Air (5 gal)	appl	5.75						0.04	5.79		5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-750gal	60' 175hp		0.27	0.07	0.22				0.56	0.49	1.05
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	4R-38(350)		15.79	14.14	7.72			0.13	37.78	56.62	94.40
Boll Buggy	4R-38(325)		8.57	2.72	5.38			0.06	16.73	10.61	27.34
Module Builder	4R-38(325)		8.57	3.12	7.72			0.07	19.48	11.44	30.92
Gin & Haul	lb	81.00						0.29	81.29		81.29
Stalk Shredder	14'		3.92	1.81	2.46			0.03	8.22	4.16	12.38
TOTALS		474.22	54.70	29.50	36.56	0.00	10.14	605.12	108.31	713.43	

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

Table 1.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	924.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	10.13	4.50	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	43.79	37.08	0.00	37.08	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	33.15	0.00	8.77	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.69	0.00	0.00	0.00	0.77	1.97	4.52	2.41	1.70	0.00	0.22	23.28
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.69	0.00	0.00	0.00	1.23	2.58	5.74	3.12	2.22	0.00	0.27	36.85
REPAIR & MAINTENANCE	1.93	0.00	0.00	0.00	0.31	1.25	2.10	1.40	0.65	0.00	0.07	21.79
INTEREST ON OP. CAP.	1.21	0.00	0.00	0.00	1.92	1.06	3.61	0.93	0.61	0.10	0.12	0.58
TOTAL DIRECT EXPENSES	29.52	0.00	0.00	0.00	69.45	43.94	174.03	53.18	44.00	9.57	17.93	163.50
NET INCOME	-29.52	0.00	0.00	0.00	-69.45	-43.94	-174.03	-53.18	-44.00	-9.57	-17.93	760.80
NET INCOME TO DATE	-29.52	-29.52	-29.52	-29.52	-98.97	-142.91	-316.94	-370.12	-414.12	-423.69	-441.62	319.18

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 1.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Cotton Lint			0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14
PERCENT	YIELD	UNIT	-----dollars-----										
50	450.00	lb	-153 -262	-133 -241	-112 -220	-92 -200	-71 -179	-51 -159	-30 -138	-9 -118	10 -97	31 -77	51 -56
60	540.00	lb	-100 -208	-75 -183	-50 -159	-26 -134	-1 -109	23 -85	47 -60	72 -35	96 -11	121 13	146 37
70	630.00	lb	-46 -155	-17 -126	10 -97	39 -68	68 -40	97 -11	125 17	154 46	183 75	212 103	240 132
80	720.00	lb	6 -101	39 -68	72 -35	105 -2	138 29	171 62	203 95	236 128	269 161	302 194	335 227
90	810.00	lb	60 -48	97 -11	134 25	171 62	208 99	245 136	282 173	319 210	356 247	393 284	430 321
100	900.00	lb	113 5	154 46	195 87	237 128	278 169	319 210	360 251	401 293	442 334	483 375	524 416
110	990.00	lb	167 58	212 104	257 149	302 194	348 239	393 284	438 330	483 375	528 420	573 465	619 510
120	1080.00	lb	220 112	270 161	319 211	368 260	417 309	467 358	516 408	565 457	615 506	664 556	713 605
130	1170.00	lb	274 165	327 219	381 272	434 326	487 379	541 432	594 486	648 539	701 593	754 646	808 700
140	1260.00	lb	327 219	385 276	442 334	500 391	557 449	615 507	672 564	730 622	787 679	845 737	902 794
150	1350.00	lb	381 272	442 334	504 396	566 457	627 519	689 581	751 642	812 704	874 765	935 827	997 889

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

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	3.2500	14.63	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Amm Nitrate (34% N)	cwt	20.58	2.0000	41.16	_____
Potash (60% K2O)	cwt	29.19	1.5000	43.79	_____
UAN (32% N)	cwt	18.54	2.0000	37.08	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	96.0000	10.56	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Diuron 4L	pt	3.28	1.6000	5.25	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	45.0000	27.90	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.9212	10.69	_____
Self-Propelled	hour	11.60	0.3194	3.69	_____
HAND LABOR					
Implements	hour	9.06	0.4136	3.75	_____
Self-Propelled	hour	9.06	0.2886	2.62	_____
UNALLOCATED LABOR	hour	11.57	0.9926	11.49	_____
DIESEL FUEL					
Tractors	gal	3.40	9.0100	30.63	_____
Self-Propelled	gal	3.40	5.1992	17.68	_____
REPAIR & MAINTENANCE					
Implements	acre	7.42	1.0000	7.42	_____
Tractors	acre	4.12	1.0000	4.12	_____
Self-Propelled	acre	14.66	1.0000	14.66	_____
INTEREST ON OP. CAP.	acre	9.97	1.0000	9.97	_____
TOTAL DIRECT EXPENSES				595.02	_____
FIXED EXPENSES					
Implements	acre	12.59	1.0000	12.59	_____
Tractors	acre	26.34	1.0000	26.34	_____
Self-Propelled	acre	60.02	1.0000	60.02	_____
TOTAL FIXED EXPENSES				98.95	_____
TOTAL SPECIFIED EXPENSES				693.97	_____

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

Table 2.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	900.0000	821.70	_____
Cotton Seed	lb	0.07	1350.0000	102.60	_____

TOTAL INCOME				924.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	26.13	1.0000	26.13	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	122.03	1.0000	122.03	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	50.60	1.0000	50.60	_____
INSECTICIDES	acre	32.43	1.0000	32.43	_____
SEED/PLANTS	acre	27.90	1.0000	27.90	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.7022	6.37	_____
OPERATOR LABOR	hour	11.60	1.2407	14.38	_____
UNALLOCATED LABOR	hour	11.57	0.9926	11.49	_____
DIESEL FUEL	gal	3.40	14.2092	48.31	_____
REPAIR & MAINTENANCE	acre	26.20	1.0000	26.20	_____
INTEREST ON OP. CAP.	acre	9.97	1.0000	9.97	_____

TOTAL DIRECT EXPENSES				595.02	_____
RETURNS ABOVE DIRECT EXPENSES				329.28	_____
TOTAL FIXED EXPENSES					
				98.95	_____

TOTAL SPECIFIED EXPENSES				693.97	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				230.33	_____

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

Fertilization decisions should be based on soil tests.

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
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 B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
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					12.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Diuron 4L	pt					1.6000				
Glyphosate 3lbs a.e.	oz					32.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					12.0000				
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	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.24	0.92	1.94	0.99

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	22.00						0.94	22.94	22.94
App by Air (5 gal)	appl	5.75						0.16	5.91	5.91
Clarity	pt	5.16						0.15	5.31	5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62	3.62
Custom Apply Fert	acre	7.00						0.20	7.20	7.20
Amm Nitrate (34% N)	cwt	41.16						1.17	42.33	42.33
Potash (60% K2O)	cwt	43.79						1.24	45.03	45.03
Row Cond Rigid	26'		1.99	0.44	1.24			0.08	3.75	2.45 6.20
NT Plant&Pre-Rigid	8R-38		2.78	1.55	2.51			0.15	6.99	4.68 11.67
Cotton Seed B2RF	thous	27.90						0.59	28.49	28.49
B2RF Cot Tech Fee	thous	67.05						1.42	68.47	68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43	20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97 2.12
Gramoxone Inteon	oz	8.00						0.17	8.17	8.17
Cotoran 4L	pt	9.38						0.20	9.58	9.58
Insect Scouting	acre	7.00						0.15	7.15	7.15
Eradication	acre	1.50						0.03	1.53	1.53
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97 2.12
Dual Magnum	pt	12.25						0.26	12.51	12.51
Glyphosate 3lbs a.e.	oz	3.52						0.07	3.59	3.59
Acephate 90%	lb	1.46						0.03	1.49	1.49
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97 2.12
Centric 40WG	oz	7.16						0.13	7.29	7.29
Mepiquat Chloride	oz	1.08						0.02	1.10	1.10
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.10	5.90	3.25 9.15
UAN (32% N)	cwt	37.08						0.66	37.74	37.74
Spray (Direct/Layby)	8R-38		2.22	0.65	1.70			0.08	4.65	2.34 6.99
Diuron 4L	pt	5.25						0.09	5.34	5.34
Glyphosate 3lbs a.e.	oz	3.52						0.06	3.58	3.58
App by Air (3 gal)	appl	4.50						0.06	4.56	4.56
Acephate 90%	lb	3.65						0.05	3.70	3.70
Mepiquat Chloride	oz	1.08						0.02	1.10	1.10
App by Air (3 gal)	appl	1.13						0.02	1.15	1.15
Karate Z	oz	1.37						0.02	1.39	1.39
Bidrin 8WM	oz	1.82						0.03	1.85	1.85
Incidental Pest										
App by Air (3 gal)	appl	4.50						0.06	4.56	4.56
Incidental Pest Trt	acre	12.00						0.17	12.17	12.17
App by Air (3 gal)	appl	4.50						0.05	4.55	4.55
Acephate 90%	lb	4.97						0.05	5.02	5.02
App by Air (5 gal)	appl	5.75						0.04	5.79	5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84	2.84
Ethephon 6E	pt	4.72						0.03	4.75	4.75
Sprayer 600-750gal	60' 175hp		0.27	0.07	0.22				0.56	0.49 1.05
Tribufos 6lb	pt	3.96						0.03	3.99	3.99
Cotton Picker	4R-38(350)		15.79	14.14	7.72			0.13	37.78	56.62 94.40
Boll Buggy	4R-38(325)		8.57	2.72	5.38			0.06	16.73	10.61 27.34
Module Builder	4R-38(325)		8.57	3.12	7.72			0.07	19.48	11.44 30.92
Gin & Haul	lb	81.00						0.29	81.29	81.29
Stalk Shredder	14'		3.92	1.81	2.46			0.03	8.22	4.16 12.38
TOTALS		478.30	48.31	26.20	32.24	0.00	9.97	595.02	98.95	693.97

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

Table 2.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	924.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	10.13	4.50	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	84.95	0.00	0.00	37.08	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	33.15	8.77	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.63	4.11	0.00	0.00	0.22	23.28
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	5.85	5.34	0.00	0.00	0.27	36.85
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.29	2.05	0.00	0.00	0.07	21.79
INTEREST ON OP. CAP.	0.94	0.00	0.00	0.00	3.02	0.00	3.62	1.16	0.43	0.10	0.12	0.58
TOTAL DIRECT EXPENSES	22.94	0.00	0.00	0.00	109.40	0.00	174.45	66.75	30.48	9.57	17.93	163.50
NET INCOME	-22.94	0.00	0.00	0.00	-109.40	0.00	-174.45	-66.75	-30.48	-9.57	-17.93	760.80
NET INCOME TO DATE	-22.94	-22.94	-22.94	-22.94	-132.34	-132.34	-306.79	-373.54	-404.02	-413.59	-431.52	329.28

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 2.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Delta Area, Mississippi, 2012

PRODUCT	-----PERCENT-----													
	75	80	85	90	95	100	105	110	115	120	125			
-----	-----PRODUCT PRICE-----													
Cotton Lint	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14			
PERCENT	YIELD	UNIT	-----dollars-----											
50	450.00	lb	-143	-123	-102	-82	-61	-40	-20	0	20	41	61	
			-242	-222	-201	-180	-160	-139	-119	-98	-78	-57	-37	
60	540.00	lb	-90	-65	-40	-16	8	33	57	82	107	131	156	
			-189	-164	-139	-115	-90	-65	-41	-16	8	32	57	
70	630.00	lb	-36	-7	20	49	78	107	135	164	193	222	250	
			-135	-106	-78	-49	-20	8	36	65	94	123	152	
80	720.00	lb	16	49	82	115	148	181	214	246	279	312	345	
			-82	-49	-16	16	49	82	115	147	180	213	246	
90	810.00	lb	70	107	144	181	218	255	292	329	366	403	440	
			-28	8	45	82	119	156	193	230	267	304	341	
100	900.00	lb	123	164	206	247	288	329	370	411	452	493	534	
			24	65	107	148	189	230	271	312	353	394	435	
110	990.00	lb	177	222	267	312	358	403	448	493	538	584	629	
			78	123	168	213	259	304	349	394	439	485	530	
120	1080.00	lb	230	280	329	378	428	477	526	575	625	674	723	
			131	181	230	279	329	378	427	477	526	575	624	
130	1170.00	lb	284	337	391	444	497	551	604	658	711	765	818	
			185	238	292	345	399	452	505	559	612	666	719	
140	1260.00	lb	337	395	452	510	567	625	682	740	798	855	913	
			238	296	353	411	468	526	584	641	699	756	814	
150	1350.00	lb	391	452	514	576	637	699	761	822	884	945	1007	
			292	354	415	477	538	600	662	723	785	847	908	

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

Table 3.A Estimated costs per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, B2RF variety, Delta Area, Mississippi,

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	3.2500	14.63	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	811.0000	72.99	_____
FERTILIZERS					
Potash (60% K2O)	cwt	29.19	1.3500	39.41	_____
UAN (32% N)	cwt	18.54	3.6000	66.74	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	74.8800	8.24	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	0.6700	8.21	_____
Diuron 4L	pt	3.28	1.1000	3.61	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	1.3400	4.80	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	30.0000	18.60	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	30.0000	44.70	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	20.0000	1.80	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.8722	10.13	_____
Self-Propelled	hour	11.60	0.1987	2.30	_____
HAND LABOR					
Implements	hour	9.06	0.3442	3.10	_____
Self-Propelled	hour	9.06	0.1855	1.68	_____
UNALLOCATED LABOR					
	hour	11.59	0.8567	9.93	_____
DIESEL FUEL					
Tractors	gal	3.40	8.5299	29.01	_____
Self-Propelled	gal	3.40	3.3422	11.36	_____
REPAIR & MAINTENANCE					
Implements	acre	8.78	1.0000	8.78	_____
Tractors	acre	3.90	1.0000	3.90	_____
Self-Propelled	acre	7.60	1.0000	7.60	_____
INTEREST ON OP. CAP.	acre	8.56	1.0000	8.56	_____
TOTAL DIRECT EXPENSES				501.79	_____
FIXED EXPENSES					
Implements	acre	14.51	1.0000	14.51	_____
Tractors	acre	24.95	1.0000	24.95	_____
Self-Propelled	acre	31.00	1.0000	31.00	_____
TOTAL FIXED EXPENSES				70.46	_____
TOTAL SPECIFIED EXPENSES				572.25	_____

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

Table 3.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, B2RF variety, Delta Area, Mississippi,

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	811.0000	740.44	_____
Cotton Seed	lb	0.07	1217.0000	92.49	_____

TOTAL INCOME				832.93	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	26.13	1.0000	26.13	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	72.99	1.0000	72.99	_____
FERTILIZERS	acre	106.15	1.0000	106.15	_____
FUNGICIDES	acre	13.40	1.0000	13.40	_____
HERBICIDES	acre	42.60	1.0000	42.60	_____
INSECTICIDES	acre	30.07	1.0000	30.07	_____
SEED/PLANTS	acre	18.60	1.0000	18.60	_____
TECHNOLOGY FEE	acre	44.70	1.0000	44.70	_____
GROWTH REGULATORS	acre	1.80	1.0000	1.80	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.5297	4.78	_____
OPERATOR LABOR	hour	11.60	1.0709	12.43	_____
UNALLOCATED LABOR	hour	11.59	0.8567	9.93	_____
DIESEL FUEL	gal	3.40	11.8721	40.37	_____
REPAIR & MAINTENANCE	acre	20.28	1.0000	20.28	_____
INTEREST ON OP. CAP.	acre	8.56	1.0000	8.56	_____

TOTAL DIRECT EXPENSES				501.79	_____
RETURNS ABOVE DIRECT EXPENSES				331.14	_____
TOTAL FIXED EXPENSES					
				70.46	_____

TOTAL SPECIFIED EXPENSES				572.25	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				260.68	_____

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

Fertilization decisions should be based on soil tests.

Table 3.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, B2RF variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Bed-Paratill	Fold	8R-38 2x1	MFWD 190	0.053	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				
Bed-Disk (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 B2RF	thous					30.0000				
B2RF Cot Tech Fee	thous					30.0000				
Cotton Seed Trt.	acre					0.6700				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
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
Centric 40WG	oz					1.3400				
Mepiquat Chloride	oz					8.0000				
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 4L	pt					1.1000				
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					12.0000				
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	4R2x1(350)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	4R2x1(350)	MFWD 190	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	4R2x1(350)	MFWD 190	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	811.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.07	0.87	1.60	0.85

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

Fertilization decisions should be based on soil tests.

Table 3.D Estimated costs for field operations, per acre
Cotton, 8R-38" 2X1 full-skip (8 rows planted)
Conservation tillage, B2RF variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Bed-Paratill Fold	8R-38 2x1		1.79	1.58	1.12			0.19	4.68	3.91	8.59
App by Air (5 gal)	appl	5.75						0.16	5.91		5.91
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)	8R-38 2x1		0.82	0.28	0.52			0.05	1.67	1.17	2.84
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	39.41						1.12	40.53		40.53
Fert Appl (Liquid)	8R-38 2x1		1.72	0.76	1.31			0.09	3.88	2.09	5.97
UAN (32% N)	cwt	33.37						0.83	34.20		34.20
Row Cond Folding	38'		1.36	0.41	0.85			0.06	2.68	2.15	4.83
Plant & Pre-Folding	8R-38 2x1		1.78	1.53	1.60			0.10	5.01	4.04	9.05
Cotton Seed B2RF	thous	18.60						0.40	19.00		19.00
B2RF Cot Tech Fee	thous	44.70						0.95	45.65		45.65
Cotton Seed Trt.	acre	13.40						0.28	13.68		13.68
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Spray (Direct/Layby)	8R-38 2x1		1.48	0.55	1.13			0.07	3.23	1.70	4.93
Dual Magnum	pt	8.21						0.17	8.38		8.38
Glyphosate 3lbs a.e.	oz	2.36						0.05	2.41		2.41
Acephate 90%	lb	1.46						0.03	1.49		1.49
Spray (Direct/Layby)	8R-38 2x1		1.48	0.55	1.13			0.06	3.22	1.70	4.92
Centric 40WG	oz	4.80						0.09	4.89		4.89
Mepiquat Chloride	oz	0.72						0.01	0.73		0.73
Fert Appl (Liquid)	8R-38 2x1		1.72	0.76	1.31			0.07	3.86	2.09	5.95
UAN (32% N)	cwt	33.37						0.59	33.96		33.96
Spray (Direct/Layby)	8R-38 2x1		1.48	0.55	1.13			0.04	3.20	1.70	4.90
Diuron 4L	pt	3.61						0.05	3.66		3.66
Glyphosate 3lbs a.e.	oz	2.36						0.03	2.39		2.39
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Acephate 90%	lb	3.65						0.05	3.70		3.70
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
App by Air (3 gal)	appl	1.13						0.02	1.15		1.15
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.82						0.03	1.85		1.85
Incidental Pest											
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Incidental Pest Trt	acre	12.00						0.17	12.17		12.17
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Acephate 90%	lb	4.97						0.05	5.02		5.02
App by Air (5 gal)	appl	5.75						0.04	5.79		5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-750gal	60' 175hp		0.27	0.07	0.22				0.56	0.49	1.05
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	4R2x1(350)		10.55	7.38	5.16			0.08	23.17	29.54	52.71
Boll Buggy	4R2x1(350)		5.73	1.82	3.60			0.04	11.19	7.10	18.29
Module Builder	4R2x1(350)		5.73	2.08	5.16			0.05	13.02	7.65	20.67
Gin & Haul	lb	72.99						0.26	73.25		73.25
Stalk Shredder	14'		3.92	1.81	2.46			0.03	8.22	4.16	12.38
TOTALS		405.44	40.37	20.28	27.14	0.00	8.56	501.79	70.46	572.25	

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

Fertilization decisions should be based on soil tests.

Table 3.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, B2RF variety, Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	832.93
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	10.13	4.50	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.99
FERTILIZERS	0.00	0.00	0.00	0.00	39.41	33.37	0.00	33.37	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.40	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	27.95	0.00	5.97	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	4.80	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	44.70	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	0.72	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.12	0.00	0.00	0.00	0.52	1.31	4.02	2.44	1.13	0.00	0.22	16.38
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	1.79	0.00	0.00	0.00	0.82	1.72	5.16	3.20	1.48	0.00	0.27	25.93
REPAIR & MAINTENANCE	1.58	0.00	0.00	0.00	0.28	0.76	2.64	1.31	0.55	0.00	0.07	13.09
INTEREST ON OP. CAP.	1.13	0.00	0.00	0.00	1.78	0.92	2.68	0.82	0.55	0.10	0.12	0.46
TOTAL DIRECT EXPENSES	27.62	0.00	0.00	0.00	64.24	38.08	129.11	46.66	39.73	9.57	17.93	128.85
NET INCOME	-27.62	0.00	0.00	0.00	-64.24	-38.08	-129.11	-46.66	-39.73	-9.57	-17.93	704.08
NET INCOME TO DATE	-27.62	-27.62	-27.62	-27.62	-91.86	-129.94	-259.05	-305.71	-345.44	-355.01	-372.94	331.14

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

Fertilization decisions should be based on soil tests.

This budget may be converted to an irrigated budget by adding the costs from either Appendix Table 8 or 9. Adjustments in yields may be required with the addition of supplemental irrigation.

* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" 2X1 full-skip (8 rows planted)
 Conservation tillage, B2RF variety, Delta Area, Mississippi, 2012

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Cotton Lint	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14		
PERCENT	YIELD	UNIT	dollars										
50	405.50	lb	-95 -165	-76 -146	-57 -128	-39 -109	-20 -91	-2 -72	16 -54	34 -35	53 -17	71 1	90 19
60	486.60	lb	-46 -117	-24 -95	-2 -72	19 -50	42 -28	64 -6	86 16	108 38	130 60	153 82	175 104
70	567.70	lb	1 -69	27 -43	53 -17	79 8	105 34	130 60	156 86	182 112	208 138	234 164	260 190
80	648.80	lb	49 -20	79 8	108 38	138 68	168 97	197 127	227 156	256 186	286 216	316 245	345 275
90	729.90	lb	97 27	131 60	164 94	197 127	231 160	264 193	297 227	331 260	364 293	397 327	431 360
100	811.00	lb	146 75	183 112	220 149	257 186	294 223	331 260	368 297	405 334	442 371	479 408	516 445
110	892.10	lb	194 123	234 164	275 205	316 245	357 286	397 327	438 368	479 408	520 449	560 490	601 531
120	973.20	lb	242 171	286 216	331 260	375 305	420 349	464 394	509 438	553 482	597 527	642 571	686 616
130	1054.30	lb	290 220	338 268	386 316	435 364	483 412	531 460	579 508	627 557	675 605	723 653	771 701
140	1135.40	lb	338 268	390 320	442 372	494 423	546 475	598 527	649 579	701 631	753 683	805 734	857 786
150	1216.50	lb	387 316	442 372	498 427	553 483	609 538	664 594	720 649	775 705	831 760	886 816	942 871

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

Table 4.A Estimated costs per acre
Cotton, 8R-38" solid, conservation tillage
LLB2 variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	5.5000	24.75	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	29.19	1.5000	43.79	_____
UAN (32% N)	cwt	18.54	4.0000	74.16	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	32.0000	3.52	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Ignite 280	oz	0.40	58.0000	23.20	_____
Valor SX	oz	4.58	2.0000	9.16	_____
MSMA 6.6	pt	2.69	2.7500	7.40	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	6.0000	16.38	_____
Bidrin 8WM	oz	0.91	8.0000	7.28	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed LLB2	thous	1.10	45.0000	49.50	_____
TECHNOLOGY FEE					
B2 Cot Tech Fee	thous	0.76	45.0000	34.20	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	1.1134	12.92	_____
Self-Propelled	hour	11.60	0.3194	3.69	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.2886	2.62	_____
UNALLOCATED LABOR					
	hour	11.56	1.1463	13.26	_____
DIESEL FUEL					
Tractors	gal	3.40	10.8888	37.02	_____
Self-Propelled	gal	3.40	5.1992	17.68	_____
REPAIR & MAINTENANCE					
Implements	acre	9.85	1.0000	9.85	_____
Tractors	acre	4.99	1.0000	4.99	_____
Self-Propelled	acre	14.66	1.0000	14.66	_____
INTEREST ON OP. CAP.	acre	10.72	1.0000	10.72	_____
TOTAL DIRECT EXPENSES				646.51	_____
FIXED EXPENSES					
Implements	acre	16.45	1.0000	16.45	_____
Tractors	acre	31.84	1.0000	31.84	_____
Self-Propelled	acre	60.02	1.0000	60.02	_____
TOTAL FIXED EXPENSES				108.31	_____
TOTAL SPECIFIED EXPENSES				754.82	_____

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

Table 4.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	900.0000	821.70	_____
Cotton Seed	lb	0.07	1350.0000	102.60	_____

TOTAL INCOME				924.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	36.25	1.0000	36.25	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	117.95	1.0000	117.95	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	78.07	1.0000	78.07	_____
INSECTICIDES	acre	46.90	1.0000	46.90	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
TECHNOLOGY FEE	acre	34.20	1.0000	34.20	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.7377	6.69	_____
OPERATOR LABOR	hour	11.60	1.4328	16.61	_____
UNALLOCATED LABOR	hour	11.56	1.1463	13.26	_____
DIESEL FUEL	gal	3.40	16.0881	54.70	_____
REPAIR & MAINTENANCE	acre	29.50	1.0000	29.50	_____
INTEREST ON OP. CAP.	acre	10.72	1.0000	10.72	_____

TOTAL DIRECT EXPENSES				646.51	_____
RETURNS ABOVE DIRECT EXPENSES				277.79	_____

TOTAL FIXED EXPENSES				108.31	_____

TOTAL SPECIFIED EXPENSES				754.82	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				169.48	_____

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

Fertilization decisions should be based on soil tests.

Table 4.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Bed-Paratill	Fold	8R-38	MFWD 190	0.080	1.00	Nov		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				
Bed-Disk (Hipper)Rd	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.5000				
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 LLB2	thous					45.0000				
B2 Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Ignite 280	oz					29.0000				
Acephate 90%	lb					0.2200				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					2.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Ignite 280	oz					29.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Valor SX	oz					2.0000				
MSMA 6.6	pt					2.7500				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					12.0000				
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				
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				
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' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.43	1.11	2.17	1.14

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

Table 4.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
LLB2 variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Bed-Paratill Fold	8R-38		2.69	1.93	1.69			0.27	6.58	5.10	11.68
App by Air (5 gal)	appl	5.75						0.16	5.91		5.91
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)Rd	8R-38		1.23	0.31	0.77			0.07	2.38	1.44	3.82
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	43.79						1.24	45.03		45.03
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.14	5.94	3.25	9.19
UAN (32% N)	cwt	37.08						0.92	38.00		38.00
Row Cond Rigid	26'		1.99	0.44	1.24			0.08	3.75	2.45	6.20
Plant & Pre-Rigid	8R-38		2.67	1.36	2.40			0.14	6.57	4.25	10.82
Cotton Seed LLB2	thous	49.50						1.05	50.55		50.55
B2 Cot Tech Fee	thous	34.20						0.73	34.93		34.93
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Dual Magnum	pt	12.25						0.26	12.51		12.51
Ignite 280	oz	11.60						0.25	11.85		11.85
Acephate 90%	lb	1.46						0.03	1.49		1.49
Fert Appl (Liquid)	8R-38		2.58	1.25	1.97			0.10	5.90	3.25	9.15
UAN (32% N)	cwt	37.08						0.66	37.74		37.74
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Ignite 280	oz	11.60						0.21	11.81		11.81
Spray (Direct/Layby)	8R-38		2.22	0.65	1.70			0.06	4.63	2.34	6.97
Valor SX	oz	9.16						0.13	9.29		9.29
MSMA 6.6	pt	7.40						0.10	7.50		7.50
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Acephate 90%	lb	3.65						0.05	3.70		3.70
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Karate Z	oz	5.46						0.08	5.54		5.54
Bidrin 8WM	oz	7.28						0.10	7.38		7.38
Incidental Pest											
App by Air (3 gal)	appl	2.25						0.03	2.28		2.28
Incidental Pest Trt	acre	6.00						0.09	6.09		6.09
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Karate Z	oz	5.46						0.08	5.54		5.54
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Acephate 90%	lb	4.97						0.05	5.02		5.02
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Karate Z	oz	5.46						0.06	5.52		5.52
App by Air (5 gal)	appl	5.75						0.04	5.79		5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-750gal	60' 175hp		0.27	0.07	0.22				0.56	0.49	1.05
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	4R-38(350)		15.79	14.14	7.72			0.13	37.78	56.62	94.40
Boll Buggy	4R-38(325)		8.57	2.72	5.38			0.06	16.73	10.61	27.34
Module Builder	4R-38(325)		8.57	3.12	7.72			0.07	19.48	11.44	30.92
Gin & Haul	lb	81.00						0.29	81.29		81.29
Stalk Shredder	14'		3.92	1.81	2.46			0.03	8.22	4.16	12.38
TOTALS		515.03	54.70	29.50	36.56	0.00	10.72	646.51	108.31	754.82	

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

Fertilization decisions should be based on soil tests.

Table 4.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	924.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	15.75	9.00	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	43.79	37.08	0.00	37.08	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	41.23	11.60	16.56	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	27.85	10.43	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	34.20	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.69	0.00	0.00	0.00	0.77	1.97	4.52	2.41	1.70	0.00	0.22	23.28
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.69	0.00	0.00	0.00	1.23	2.58	5.74	3.12	2.22	0.00	0.27	36.85
REPAIR & MAINTENANCE	1.93	0.00	0.00	0.00	0.31	1.25	2.10	1.40	0.65	0.00	0.07	21.79
INTEREST ON OP. CAP.	1.21	0.00	0.00	0.00	1.92	1.06	3.56	1.14	0.92	0.21	0.12	0.58
TOTAL DIRECT EXPENSES	29.52	0.00	0.00	0.00	69.45	43.94	170.81	64.99	66.73	19.64	17.93	163.50
NET INCOME	-29.52	0.00	0.00	0.00	-69.45	-43.94	-170.81	-64.99	-66.73	-19.64	-17.93	760.80
NET INCOME TO DATE	-29.52	-29.52	-29.52	-29.52	-98.97	-142.91	-313.72	-378.71	-445.44	-465.08	-483.01	277.79

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 4.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----	-----PRODUCT PRICE-----												
Cotton Lint	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14		
PERCENT	YIELD	UNIT	-----dollars-----										
50	450.00	lb	-195	-174	-154	-133	-112	-92	-71	-51	-30	-10	10
			-303	-282	-262	-241	-221	-200	-180	-159	-139	-118	-98
60	540.00	lb	-141	-116	-92	-67	-43	-18	6	30	55	80	104
			-249	-225	-200	-175	-151	-126	-102	-77	-52	-28	-3
70	630.00	lb	-88	-59	-30	-1	26	55	84	113	141	170	199
			-196	-167	-138	-110	-81	-52	-23	4	33	62	91
80	720.00	lb	-34	-1	31	63	96	129	162	195	228	261	294
			-142	-110	-77	-44	-11	21	54	87	120	152	185
90	810.00	lb	18	55	92	129	166	203	240	277	314	351	388
			-89	-52	-15	21	58	95	132	169	206	243	280
100	900.00	lb	72	113	154	195	236	277	318	359	401	442	483
			-35	5	46	87	128	169	210	251	292	333	374
110	990.00	lb	125	171	216	261	306	351	397	442	487	532	577
			17	62	107	153	198	243	288	333	379	424	469
120	1080.00	lb	179	228	277	327	376	425	475	524	573	623	672
			71	120	169	218	268	317	366	416	465	514	564
130	1170.00	lb	232	286	339	393	446	499	553	606	660	713	766
			124	177	231	284	338	391	445	498	551	605	658
140	1260.00	lb	286	343	401	458	516	573	631	688	746	804	861
			178	235	293	350	408	465	523	580	638	695	753
150	1350.00	lb	339	401	463	524	586	647	709	771	832	894	956
			231	293	354	416	478	539	601	662	724	786	847

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

Table 5.A Estimated costs per acre
 Cotton, 12R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	3.2500	14.63	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	29.19	1.5000	43.79	_____
UAN (32% N)	cwt	18.54	4.0000	74.16	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	96.0000	10.56	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Diuron 4L	pt	3.28	1.6000	5.25	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	45.0000	27.90	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.7477	8.68	_____
Self-Propelled	hour	11.60	0.2193	2.55	_____
HAND LABOR					
Implements	hour	9.06	0.2997	2.70	_____
Self-Propelled	hour	9.06	0.1958	1.77	_____
UNALLOCATED LABOR					
	hour	11.60	0.7736	8.98	_____
DIESEL FUEL					
Tractors	gal	3.40	8.6602	29.44	_____
Self-Propelled	gal	3.40	3.6814	12.52	_____
REPAIR & MAINTENANCE					
Implements	acre	8.62	1.0000	8.62	_____
Tractors	acre	4.47	1.0000	4.47	_____
Self-Propelled	acre	12.05	1.0000	12.05	_____
INTEREST ON OP. CAP.	acre	9.86	1.0000	9.86	_____
TOTAL DIRECT EXPENSES				575.86	_____
FIXED EXPENSES					
Implements	acre	14.03	1.0000	14.03	_____
Tractors	acre	28.54	1.0000	28.54	_____
Self-Propelled	acre	49.58	1.0000	49.58	_____
TOTAL FIXED EXPENSES				92.15	_____
TOTAL SPECIFIED EXPENSES				668.01	_____

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

Table 5.B Summary of estimated costs and returns per acre
 Cotton, 12R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	900.0000	821.70	_____
Cotton Seed	lb	0.07	1350.0000	102.60	_____

TOTAL INCOME				924.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	26.13	1.0000	26.13	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	117.95	1.0000	117.95	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	50.60	1.0000	50.60	_____
INSECTICIDES	acre	32.43	1.0000	32.43	_____
SEED/PLANTS	acre	27.90	1.0000	27.90	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.4955	4.47	_____
OPERATOR LABOR	hour	11.60	0.9670	11.23	_____
UNALLOCATED LABOR	hour	11.60	0.7736	8.98	_____
DIESEL FUEL	gal	3.40	12.3417	41.96	_____
REPAIR & MAINTENANCE	acre	25.14	1.0000	25.14	_____
INTEREST ON OP. CAP.	acre	9.86	1.0000	9.86	_____

TOTAL DIRECT EXPENSES				575.86	_____
RETURNS ABOVE DIRECT EXPENSES				348.44	_____
TOTAL FIXED EXPENSES					
				92.15	_____

TOTAL SPECIFIED EXPENSES				668.01	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				256.29	_____

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

Fertilization decisions should be based on soil tests.

Table 5.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B2RF variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Bed-Paratill 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				
Bed-Disk (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 B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		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' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
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 4L	pt					1.6000				
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					12.0000				
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' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	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							0.96	0.74	1.46	0.77

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

Fertilization decisions should be based on soil tests.

Table 5.D Estimated costs for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Bed-Paratill Fold	12R-38		2.12	1.66	1.12			0.21	5.11	4.42	9.53
App by Air (5 gal)	appl	5.75						0.16	5.91		5.91
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)	12R-38		0.97	0.32	0.52			0.05	1.86	1.40	3.26
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	43.79						1.24	45.03		45.03
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.10	4.33	2.63	6.96
UAN (32% N)	cwt	37.08						0.92	38.00		38.00
Row Cond Folding	38'		1.61	0.47	0.85			0.06	2.99	2.54	5.53
Plant & Pre-Folding	12R-38		2.10	1.61	1.60			0.11	5.42	4.55	9.97
Cotton Seed B2RF	thous	27.90						0.59	28.49		28.49
B2RF Cot Tech Fee	thous	67.05						1.42	68.47		68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94	1.91
Dual Magnum	pt	12.25						0.26	12.51		12.51
Glyphosate 3lbs a.e.	oz	3.52						0.07	3.59		3.59
Acephate 90%	lb	1.46						0.03	1.49		1.49
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94	1.91
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.07	4.30	2.63	6.93
UAN (32% N)	cwt	37.08						0.66	37.74		37.74
Spray (Direct/Layby)	12R-38		1.75	0.62	1.13			0.05	3.55	2.13	5.68
Diuron 4L	pt	5.25						0.07	5.32		5.32
Glyphosate 3lbs a.e.	oz	3.52						0.05	3.57		3.57
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Acephate 90%	lb	3.65						0.05	3.70		3.70
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
App by Air (3 gal)	appl	1.13						0.02	1.15		1.15
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.82						0.03	1.85		1.85
Incidental Pest											
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Incidental Pest Trt	acre	12.00						0.17	12.17		12.17
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Acephate 90%	lb	4.97						0.05	5.02		5.02
App by Air (5 gal)	appl	5.75						0.04	5.79		5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-825gal	90' 250hp		0.25	0.07	0.15				0.47	0.47	0.94
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	6R-38(355)		10.71	11.55	5.16			0.10	27.52	46.26	73.78
Boll Buggy	6R-38(330)		6.78	2.08	3.60			0.04	12.50	8.75	21.25
Module Builder	6R-38(330)		6.78	2.34	5.16			0.05	14.33	9.30	23.63
Gin & Haul	lb	81.00						0.29	81.29		81.29
Stalk Shredder-Flail	20'		3.25	2.23	1.73			0.03	7.24	4.22	11.46
TOTALS		474.22	41.96	25.14	24.68	0.00	9.86	575.86	92.15	668.01	

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

Table 5.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	924.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	10.13	4.50	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	43.79	37.08	0.00	37.08	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	33.15	0.00	8.77	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.12	0.00	0.00	0.00	0.52	1.31	3.19	1.61	1.13	0.00	0.15	15.65
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.12	0.00	0.00	0.00	0.97	2.04	4.76	2.55	1.75	0.00	0.25	27.52
REPAIR & MAINTENANCE	1.66	0.00	0.00	0.00	0.32	0.88	2.37	1.02	0.62	0.00	0.07	18.20
INTEREST ON OP. CAP.	1.15	0.00	0.00	0.00	1.90	1.02	3.56	0.90	0.60	0.10	0.12	0.51
TOTAL DIRECT EXPENSES	28.05	0.00	0.00	0.00	68.93	42.33	171.94	51.40	42.92	9.57	17.84	142.88
NET INCOME	-28.05	0.00	0.00	0.00	-68.93	-42.33	-171.94	-51.40	-42.92	-9.57	-17.84	781.42
NET INCOME TO DATE	-28.05	-28.05	-28.05	-28.05	-96.98	-139.31	-311.25	-362.65	-405.57	-415.14	-432.98	348.44

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 5.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage
 B2RF variety, Delta Area, Mississippi, 2012

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
	-----PRODUCT PRICE-----												
Cotton Lint	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14		
PERCENT	YIELD	UNIT	-----dollars-----										
50	450.00	lb	-124	-103	-83	-62	-42	-21	-1	19	39	60	80
			-216	-196	-175	-155	-134	-113	-93	-72	-52	-31	-11
60	540.00	lb	-70	-46	-21	2	27	52	76	101	126	150	175
			-163	-138	-113	-89	-64	-39	-15	9	34	58	83
70	630.00	lb	-17	11	40	68	97	126	155	183	212	241	270
			-109	-80	-52	-23	5	34	62	91	120	149	177
80	720.00	lb	36	68	101	134	167	200	233	266	298	331	364
			-56	-23	9	42	75	108	141	173	206	239	272
90	810.00	lb	89	126	163	200	237	274	311	348	385	422	459
			-2	34	71	108	145	182	219	256	293	330	367
100	900.00	lb	143	184	225	266	307	348	389	430	471	512	553
			50	91	133	174	215	256	297	338	379	420	461
110	990.00	lb	196	241	286	332	377	422	467	512	558	603	648
			104	149	194	239	285	330	375	420	465	511	556
120	1080.00	lb	250	299	348	397	447	496	545	595	644	693	743
			157	207	256	305	355	404	453	502	552	601	650
130	1170.00	lb	303	356	410	463	517	570	623	677	730	784	837
			211	264	318	371	425	478	531	585	638	692	745
140	1260.00	lb	357	414	472	529	587	644	702	759	817	874	932
			264	322	379	437	494	552	609	667	725	782	840
150	1350.00	lb	410	472	533	595	657	718	780	841	903	965	1026
			318	379	441	503	564	626	688	749	811	873	934

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

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

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

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

Table 6.A Estimated costs per acre
 Cotton, 12R-38" solid, conservation tillage,
 B2RF variety, furrow irrigated, 10.5 ac-in., Delta Area, Mis

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	4.7500	21.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	1100.0000	99.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	29.19	1.5000	43.79	_____
UAN (32% N)	cwt	18.54	4.6000	85.28	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	96.0000	10.56	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Caparol 4L	pt	3.59	1.0000	3.59	_____
MSMA 6.6	pt	2.69	2.7500	7.40	_____
Diuron 4L	pt	3.28	1.6000	5.25	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.5000	18.00	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	45.0000	27.90	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	36.0000	3.24	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.8955	10.39	_____
Self-Propelled	hour	11.60	0.2193	2.55	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.3219	2.90	_____
Self-Propelled	hour	9.06	0.1958	1.77	_____
UNALLOCATED LABOR	hour	11.60	0.8290	9.62	_____
DIESEL FUEL					
Tractors	gal	3.40	10.1043	34.34	_____
Self-Propelled	gal	3.40	3.6814	12.52	_____
Roll-Out Pipe Irr.	gal	3.40	8.5535	29.07	_____
REPAIR & MAINTENANCE					
Implements	acre	9.35	1.0000	9.35	_____
Tractors	acre	5.18	1.0000	5.18	_____
Self-Propelled	acre	12.05	1.0000	12.05	_____
Roll-Out Pipe Irr.	acre	5.77	1.0000	5.77	_____
INTEREST ON OP. CAP.	acre	11.37	1.0000	11.37	_____
TOTAL DIRECT EXPENSES				684.94	_____
FIXED EXPENSES					
Implements	acre	15.89	1.0000	15.89	_____
Tractors	acre	33.01	1.0000	33.01	_____
Self-Propelled	acre	49.58	1.0000	49.58	_____
Roll-Out Pipe Irr.	acre	48.19	1.0000	48.19	_____
TOTAL FIXED EXPENSES				146.67	_____
TOTAL SPECIFIED EXPENSES				831.61	_____

Note: Cost of production estimates are based on 2011 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,
 B2RF variety, furrow irrigated, 10.5 ac-in., Delta Area, Mis

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	1100.0000	1004.30	_____
Cotton Seed	lb	0.07	1650.0000	125.40	_____

TOTAL INCOME				1129.70	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	32.88	1.0000	32.88	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	99.00	1.0000	99.00	_____
FERTILIZERS	acre	129.07	1.0000	129.07	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	61.59	1.0000	61.59	_____
INSECTICIDES	acre	38.43	1.0000	38.43	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	27.90	1.0000	27.90	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	3.24	1.0000	3.24	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.5177	4.67	_____
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_____
OPERATOR LABOR	hour	11.60	1.1148	12.94	_____
UNALLOCATED LABOR	hour	11.60	0.8290	9.62	_____
DIESEL FUEL	gal	3.40	22.3394	75.93	_____
REPAIR & MAINTENANCE	acre	32.35	1.0000	32.35	_____
INTEREST ON OP. CAP.	acre	11.37	1.0000	11.37	_____

TOTAL DIRECT EXPENSES				684.94	_____
RETURNS ABOVE DIRECT EXPENSES				444.76	_____
TOTAL FIXED EXPENSES					
				146.67	_____

TOTAL SPECIFIED EXPENSES				831.61	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				298.09	_____

Note: Cost of production estimates are based on 2011 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,
 B2RF variety, furrow irrigated, 10.5 ac-in., Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Bed-Paratill	Fold	12R-38	MFWD 225	0.053	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				
Bed-Disk (Hipper)	12R-38	MFWD 225	0.049	1.00	Mar		0.04	0.04	0.04	0.03
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					2.3000				
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 B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		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' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					2.3000				
Spray (Direct/Hood)	12R-38	MFWD 225	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Caparol 4L	pt					1.0000				
MSMA 6.6	pt					2.7500				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Mepiquat Chloride	oz					12.0000				
Spray (Direct/Layby)	12R-38	MFWD 225	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Diuron 4L	pt					1.6000				
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					12.0000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
Incidental Pest Trt	acre					1.5000				
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' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1100.0000				
Stalk Shredder-Flail	20'	MFWD 225	0.082	1.00	Oct		0.08	0.08	0.08	0.06
Roll-Out Pipe Irr.	acre				Jan	1.0000	0.07	0.07	0.44	
TOTALS							1.11	0.89	1.99	0.82

Note: Cost of production estimates are based on 2011 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,
 B2RF variety, furrow irrigated, 10.5 ac-in., Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Bed-Paratill Fold	12R-38		2.12	1.66	1.12			0.21	5.11	4.42	9.53
App by Air (5 gal)	appl	5.75						0.16	5.91		5.91
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)	12R-38		1.94	0.63	1.03			0.10	3.70	2.80	6.50
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	43.79						1.24	45.03		45.03
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.10	4.33	2.63	6.96
UAN (32% N)	cwt	42.64						1.06	43.70		43.70
Row Cond Folding	38'		1.61	0.47	0.85			0.06	2.99	2.54	5.53
Plant & Pre-Folding	12R-38		2.10	1.61	1.60			0.11	5.42	4.55	9.97
Cotton Seed B2RF	thous	27.90						0.59	28.49		28.49
B2RF Cot Tech Fee	thous	67.05						1.42	68.47		68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94	1.91
Dual Magnum	pt	12.25						0.26	12.51		12.51
Glyphosate 3lbs a.e.	oz	3.52						0.07	3.59		3.59
Acephate 90%	lb	1.46						0.03	1.49		1.49
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94	1.91
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.07	4.30	2.63	6.93
UAN (32% N)	cwt	42.64						0.76	43.40		43.40
Spray (Direct/Hood)	12R-38		1.75	0.67	1.13			0.06	3.61	2.19	5.80
Caparol 4L	pt	3.59						0.06	3.65		3.65
MSMA 6.6	pt	7.40						0.13	7.53		7.53
App by Air (3 gal)	appl	4.50						0.08	4.58		4.58
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Spray (Direct/Layby)	12R-38		1.75	0.62	1.13			0.05	3.55	2.13	5.68
Diuron 4L	pt	5.25						0.07	5.32		5.32
Glyphosate 3lbs a.e.	oz	3.52						0.05	3.57		3.57
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Acephate 90%	lb	3.65						0.05	3.70		3.70
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
App by Air (3 gal)	appl	1.13						0.02	1.15		1.15
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.82						0.03	1.85		1.85
Incidental Pest											
App by Air (3 gal)	appl	6.75						0.10	6.85		6.85
Incidental Pest Trt	acre	18.00						0.26	18.26		18.26
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Acephate 90%	lb	4.97						0.05	5.02		5.02
App by Air (5 gal)	appl	5.75						0.04	5.79		5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-825gal	90' 250hp		0.25	0.07	0.15				0.47	0.47	0.94
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	6R-38(355)		10.71	11.55	5.16			0.10	27.52	46.26	73.78
Boll Buggy	6R-38(330)		6.78	2.08	3.60			0.04	12.50	8.75	21.25
Module Builder	6R-38(330)		6.78	2.34	5.16			0.05	14.33	9.30	23.63
Gin & Haul	lb	99.00						0.35	99.35		99.35
Stalk Shredder-Flail	20'		3.25	2.23	1.73			0.03	7.24	4.22	11.46
Roll-Out Pipe Irr.	acre	6.60	31.25	6.23	4.21			0.68	48.97	50.93	99.90
TOTALS			534.76	75.93	32.35	30.53	0.00	11.37	684.94	146.67	831.61

Note: Cost of production estimates are based on 2011 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,
 B2RF variety, furrow irrigated, 10.5 ac-in., Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1129.70
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	4.50	12.38	4.50	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.00
FERTILIZERS	0.00	0.00	0.00	0.00	43.79	42.64	0.00	42.64	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	33.15	10.99	8.77	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	24.84	4.97	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.12	0.00	0.00	0.00	1.03	1.31	3.42	5.26	1.36	0.23	0.71	16.09
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.12	0.00	0.00	0.00	1.94	2.04	4.76	14.48	11.44	9.69	0.68	28.78
REPAIR & MAINTENANCE	1.66	0.00	0.00	0.00	0.63	0.88	2.37	5.35	1.73	1.11	0.17	18.45
INTEREST ON OP. CAP.	1.15	0.00	0.00	0.00	1.95	1.16	3.56	1.75	0.88	0.21	0.13	0.58
TOTAL DIRECT EXPENSES	28.05	0.00	0.00	0.00	70.77	48.03	172.17	100.89	62.48	20.71	18.94	162.90
NET INCOME	-28.05	0.00	0.00	0.00	-70.77	-48.03	-172.17	-100.89	-62.48	-20.71	-18.94	966.80
NET INCOME TO DATE	-28.05	-28.05	-28.05	-28.05	-98.82	-146.85	-319.02	-419.91	-482.39	-503.10	-522.04	444.76

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 6.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage,
 B2RF variety, furrow irrigated, 10.5 ac-in., Delta Area, Mississippi, 2012

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----	-----PRODUCT PRICE-----												
Cotton Lint	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14		
PERCENT	YIELD	UNIT	-----dollars-----										
50	550.00	lb	-133	-108	-83	-57	-32	-7	17	42	67	92	117
			-279	-254	-229	-204	-179	-154	-129	-104	-79	-53	-28
60	660.00	lb	-67	-37	-7	22	52	82	112	143	173	203	233
			-214	-184	-154	-124	-94	-63	-33	-3	26	56	86
70	770.00	lb	-2	32	67	102	138	173	208	243	278	313	349
			-149	-113	-78	-43	-8	26	61	96	132	167	202
80	880.00	lb	62	103	143	183	223	263	303	344	384	424	464
			-83	-43	-3	36	76	117	157	197	237	277	317
90	990.00	lb	128	173	218	263	309	354	399	444	489	535	580
			-18	26	72	117	162	207	252	297	343	388	433
100	1100.00	lb	193	243	294	344	394	444	494	545	595	645	695
			47	97	147	197	247	298	348	398	448	498	549
110	1210.00	lb	259	314	369	424	480	535	590	645	700	756	811
			112	167	222	278	333	388	443	499	554	609	664
120	1320.00	lb	324	384	444	505	565	625	686	746	806	866	927
			177	238	298	358	418	479	539	599	659	720	780
130	1430.00	lb	389	455	520	585	650	716	781	846	912	977	1042
			243	308	373	439	504	569	634	700	765	830	895
140	1540.00	lb	455	525	595	666	736	806	877	947	1017	1087	1158
			308	378	449	519	589	660	730	800	870	941	1011
150	1650.00	lb	520	595	671	746	821	897	972	1047	1123	1198	1273
			373	449	524	599	675	750	825	901	976	1051	1127

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

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

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

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

Table 7.A Estimated costs per acre
 Cotton, 12R-38" solid, conservation tillage, B2RF
 Pivot irrigated, 7.5 ac.-in., Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	4.7500	21.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	1100.0000	99.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	29.19	1.5000	43.79	_____
UAN (32% N)	cwt	18.54	4.6000	85.28	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	96.0000	10.56	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Caparol 4L	pt	3.59	1.0000	3.59	_____
MSMA 6.6	pt	2.69	2.7500	7.40	_____
Diuron 4L	pt	3.28	1.6000	5.25	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.5000	18.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	45.0000	27.90	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	36.0000	3.24	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.7923	9.20	_____
Self-Propelled	hour	11.60	0.2193	2.55	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_____
HAND LABOR					
Implements	hour	9.06	0.3219	2.90	_____
Self-Propelled	hour	9.06	0.1958	1.77	_____
UNALLOCATED LABOR					
	hour	11.60	0.8093	9.39	_____
DIESEL FUEL					
Tractors	gal	3.40	9.1759	31.19	_____
Self-Propelled	gal	3.40	3.6814	12.52	_____
1/4-mi. Pivot Irr.	gal	3.40	11.2011	38.09	_____
REPAIR & MAINTENANCE					
Implements	acre	9.02	1.0000	9.02	_____
Tractors	acre	4.74	1.0000	4.74	_____
Self-Propelled	acre	12.05	1.0000	12.05	_____
1/4-mi. Pivot Irr.	acre	17.99	1.0000	17.99	_____
INTEREST ON OP. CAP.	acre	11.51	1.0000	11.51	_____
TOTAL DIRECT EXPENSES				692.92	_____
FIXED EXPENSES					
Implements	acre	14.52	1.0000	14.52	_____
Tractors	acre	30.24	1.0000	30.24	_____
Self-Propelled	acre	49.58	1.0000	49.58	_____
1/4-mi. Pivot Irr.	acre	64.75	1.0000	64.75	_____
TOTAL FIXED EXPENSES				159.09	_____
TOTAL SPECIFIED EXPENSES				852.01	_____

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

Table 7.B Summary of estimated costs and returns per acre
 Cotton, 12R-38" solid, conservation tillage, B2RF
 Pivot irrigated, 7.5 ac.-in., Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	1100.0000	1004.30	_____
Cotton Seed	lb	0.07	1650.0000	125.40	_____

TOTAL INCOME				1129.70	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	32.88	1.0000	32.88	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	99.00	1.0000	99.00	_____
FERTILIZERS	acre	129.07	1.0000	129.07	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	61.59	1.0000	61.59	_____
INSECTICIDES	acre	38.43	1.0000	38.43	_____
SEED/PLANTS	acre	27.90	1.0000	27.90	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	3.24	1.0000	3.24	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.5177	4.67	_____
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_____
OPERATOR LABOR	hour	11.60	1.0116	11.75	_____
UNALLOCATED LABOR	hour	11.60	0.8093	9.39	_____
DIESEL FUEL	gal	3.40	24.0586	81.80	_____
REPAIR & MAINTENANCE	acre	43.80	1.0000	43.80	_____
INTEREST ON OP. CAP.	acre	11.51	1.0000	11.51	_____

TOTAL DIRECT EXPENSES				692.92	_____
RETURNS ABOVE DIRECT EXPENSES				436.78	_____

TOTAL FIXED EXPENSES				159.09	_____

TOTAL SPECIFIED EXPENSES				852.01	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				277.69	_____

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

Fertilization decisions should be based on soil tests.

Table 7.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage, B2RF
 Pivot irrigated, 7.5 ac.-in., Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Nov	0.5000				
Bed-Paratill 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				
Bed-Disk (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					2.3000				
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 B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		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' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32% N)	cwt					2.3000				
Spray (Direct/Hood)	12R-38	MFWD 225	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Caparol 4L	pt					1.0000				
MSMA 6.6	pt					2.7500				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Mepiquat Chloride	oz					12.0000				
Spray (Direct/Layby)	12R-38	MFWD 225	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Diuron 4L	pt					1.6000				
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					12.0000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
Incidental Pest Trt	acre					1.5000				
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' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1100.0000				
Stalk Shredder-Flail	20'	MFWD 225	0.082	1.00	Oct		0.08	0.08	0.08	0.06
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							1.01	0.79	1.73	0.80

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

Table 7.D Estimated costs for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage, B2RF
 Pivot irrigated, 7.5 ac.-in., Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Bed-Paratill Fold	12R-38		2.12	1.66	1.12			0.21	5.11	4.42	9.53
App by Air (5 gal)	appl	5.75						0.16	5.91		5.91
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)	12R-38		0.97	0.32	0.52			0.05	1.86	1.40	3.26
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	43.79						1.24	45.03		45.03
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.10	4.33	2.63	6.96
UAN (32% N)	cwt	42.64						1.06	43.70		43.70
Row Cond Folding	38'		1.61	0.47	0.85			0.06	2.99	2.54	5.53
Plant & Pre-Folding	12R-38		2.10	1.61	1.60			0.11	5.42	4.55	9.97
Cotton Seed B2RF	thous	27.90						0.59	28.49		28.49
B2RF Cot Tech Fee	thous	67.05						1.42	68.47		68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94	1.91
Dual Magnum	pt	12.25						0.26	12.51		12.51
Glyphosate 3lbs a.e.	oz	3.52						0.07	3.59		3.59
Acephate 90%	lb	1.46						0.03	1.49		1.49
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94	1.91
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.07	4.30	2.63	6.93
UAN (32% N)	cwt	42.64						0.76	43.40		43.40
Spray (Direct/Hood)	12R-38		1.75	0.67	1.13			0.06	3.61	2.19	5.80
Caparol 4L	pt	3.59						0.06	3.65		3.65
MSMA 6.6	pt	7.40						0.13	7.53		7.53
App by Air (3 gal)	appl	4.50						0.08	4.58		4.58
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Spray (Direct/Layby)	12R-38		1.75	0.62	1.13			0.05	3.55	2.13	5.68
Diuron 4L	pt	5.25						0.07	5.32		5.32
Glyphosate 3lbs a.e.	oz	3.52						0.05	3.57		3.57
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Acephate 90%	lb	3.65						0.05	3.70		3.70
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
App by Air (3 gal)	appl	1.13						0.02	1.15		1.15
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.82						0.03	1.85		1.85
Incidental Pest											
App by Air (3 gal)	appl	6.75						0.10	6.85		6.85
Incidental Pest Trt	acre	18.00						0.26	18.26		18.26
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Acephate 90%	lb	4.97						0.05	5.02		5.02
App by Air (5 gal)	appl	5.75						0.04	5.79		5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-825gal	90' 250hp		0.25	0.07	0.15				0.47	0.47	0.94
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	6R-38(355)		10.71	11.55	5.16			0.10	27.52	46.26	73.78
Boll Buggy	6R-38(330)		6.78	2.08	3.60			0.04	12.50	8.75	21.25
Module Builder	6R-38(330)		6.78	2.34	5.16			0.05	14.33	9.30	23.63
Gin & Haul	lb	99.00						0.35	99.35		99.35
Stalk Shredder-Flail	20'		3.25	2.23	1.73			0.03	7.24	4.22	11.46
1/4-mi. Pivot Irr.	acre		38.09	17.99	1.84			0.87	58.79	64.75	123.54
TOTALS		528.16	81.80	43.80	27.65	0.00	11.51	692.92	159.09	852.01	

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

Table 7.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, conservation tillage, B2RF
 Pivot irrigated, 7.5 ac.-in., Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1129.70
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	4.50	12.38	4.50	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.00
FERTILIZERS	0.00	0.00	0.00	0.00	43.79	42.64	0.00	42.64	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	33.15	10.99	8.77	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	24.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.12	0.00	0.00	0.00	0.52	1.31	4.53	2.89	1.33	0.15	0.15	15.65
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.12	0.00	0.00	0.00	0.97	2.04	4.76	15.73	16.98	11.43	0.25	27.52
REPAIR & MAINTENANCE	1.66	0.00	0.00	0.00	0.32	0.88	2.37	17.51	1.86	0.93	0.07	18.20
INTEREST ON OP. CAP.	1.15	0.00	0.00	0.00	1.90	1.16	3.59	1.83	0.96	0.23	0.12	0.57
TOTAL DIRECT EXPENSES	28.05	0.00	0.00	0.00	68.93	48.03	173.31	105.41	68.20	22.21	17.84	160.94
NET INCOME	-28.05	0.00	0.00	0.00	-68.93	-48.03	-173.31	-105.41	-68.20	-22.21	-17.84	968.76
NET INCOME TO DATE	-28.05	-28.05	-28.05	-28.05	-96.98	-145.01	-318.32	-423.73	-491.93	-514.14	-531.98	436.78

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 7.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage, B2RF
 Pivot irrigated, 7.5 ac.-in., Delta Area, Mississippi, 2012

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Cotton Lint			0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14
PERCENT	YIELD	UNIT	-----dollars-----										
50	550.00	lb	-141 -300	-116 -275	-91 -250	-65 -225	-40 -199	-15 -174	9 -149	34 -124	59 -99	84 -74	109 -49
60	660.00	lb	-75 -234	-45 -204	-15 -174	14 -144	44 -114	74 -84	104 -54	135 -24	165 6	195 36	225 66
70	770.00	lb	-10 -169	24 -134	59 -99	94 -64	130 -28	165 6	200 41	235 76	270 111	305 146	341 181
80	880.00	lb	54 -104	95 -63	135 -23	175 16	215 56	255 96	295 136	336 177	376 217	416 257	456 297
90	990.00	lb	120 -38	165 6	210 51	255 96	301 142	346 187	391 232	436 277	481 322	527 367	572 413
100	1100.00	lb	185 26	235 76	286 127	336 177	386 227	436 277	486 327	537 378	587 428	637 478	687 528
110	1210.00	lb	251 92	306 147	361 202	416 257	472 312	527 368	582 423	637 478	692 533	748 589	803 644
120	1320.00	lb	316 157	376 217	436 277	497 338	557 398	617 458	678 518	738 579	798 639	858 699	919 759
130	1430.00	lb	381 222	447 288	512 353	577 418	642 483	708 549	773 614	838 679	904 745	969 810	1034 875
140	1540.00	lb	447 288	517 358	587 428	658 499	728 569	798 639	869 709	939 780	1009 850	1079 920	1150 991
150	1650.00	lb	512 353	587 428	663 504	738 579	813 654	889 730	964 805	1039 880	1115 956	1190 1031	1265 1106

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

Table 8.A Estimated costs per acre
 Cotton, 12R-38" solid, no-till
 B2RF variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	3.2500	14.63	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	29.19	1.5000	43.79	_____
Amm Nitrate (34% N)	cwt	20.58	2.0000	41.16	_____
UAN (32% N)	cwt	18.54	2.0000	37.08	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	96.0000	10.56	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Diuron 4L	pt	3.28	1.6000	5.25	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.91	2.0000	1.82	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.62	45.0000	27.90	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.6198	7.20	_____
Self-Propelled	hour	11.60	0.2193	2.55	_____
HAND LABOR					
Implements	hour	9.06	0.2760	2.49	_____
Self-Propelled	hour	9.06	0.1958	1.77	_____
UNALLOCATED LABOR					
	hour	11.60	0.6713	7.79	_____
DIESEL FUEL					
Tractors	gal	3.40	7.1790	24.40	_____
Self-Propelled	gal	3.40	3.6814	12.52	_____
REPAIR & MAINTENANCE					
Implements	acre	6.72	1.0000	6.72	_____
Tractors	acre	3.70	1.0000	3.70	_____
Self-Propelled	acre	12.05	1.0000	12.05	_____
INTEREST ON OP. CAP.	acre	9.80	1.0000	9.80	_____
TOTAL DIRECT EXPENSES				569.29	_____
FIXED EXPENSES					
Implements	acre	10.90	1.0000	10.90	_____
Tractors	acre	23.67	1.0000	23.67	_____
Self-Propelled	acre	49.58	1.0000	49.58	_____
TOTAL FIXED EXPENSES				84.15	_____
TOTAL SPECIFIED EXPENSES				653.44	_____

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	900.0000	821.70	_____
Cotton Seed	lb	0.07	1350.0000	102.60	_____

TOTAL INCOME				924.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	26.13	1.0000	26.13	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	122.03	1.0000	122.03	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	50.60	1.0000	50.60	_____
INSECTICIDES	acre	32.43	1.0000	32.43	_____
SEED/PLANTS	acre	27.90	1.0000	27.90	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.4719	4.26	_____
OPERATOR LABOR	hour	11.60	0.8391	9.75	_____
UNALLOCATED LABOR	hour	11.60	0.6713	7.79	_____
DIESEL FUEL	gal	3.40	10.8605	36.92	_____
REPAIR & MAINTENANCE	acre	22.47	1.0000	22.47	_____
INTEREST ON OP. CAP.	acre	9.80	1.0000	9.80	_____

TOTAL DIRECT EXPENSES				569.29	_____
RETURNS ABOVE DIRECT EXPENSES				355.01	_____
TOTAL FIXED EXPENSES					
				84.15	_____

TOTAL SPECIFIED EXPENSES				653.44	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				270.86	_____

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

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				
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 B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		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' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
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 4L	pt					1.6000				
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					12.0000				
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' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	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							0.83	0.61	1.31	0.67

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	22.00						0.94	22.94	22.94
App by Air (5 gal)	appl	5.75						0.16	5.91	5.91
Clarity	pt	5.16						0.15	5.31	5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62	3.62
Custom Apply Fert	acre	7.00						0.20	7.20	7.20
Potash (60% K2O)	cwt	43.79						1.24	45.03	45.03
Amm Nitrate (34% N)	cwt	41.16						1.17	42.33	42.33
Row Cond Folding	38'		1.61	0.47	0.85			0.06	2.99	2.54 5.53
NT Plant&Pre-Folding	12R-38		2.19	1.80	1.67			0.12	5.78	5.00 10.78
Cotton Seed B2RF	thous	27.90						0.59	28.49	28.49
B2RF Cot Tech Fee	thous	67.05						1.42	68.47	68.47
Cotton Seed Trt.	acre	20.00						0.43	20.43	20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.97 2.12
Gramoxone Inteon	oz	8.00						0.17	8.17	8.17
Cotoran 4L	pt	9.38						0.20	9.58	9.58
Insect Scouting	acre	7.00						0.15	7.15	7.15
Eradication	acre	1.50						0.03	1.53	1.53
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94 1.91
Dual Magnum	pt	12.25						0.26	12.51	12.51
Glyphosate 3lbs a.e.	oz	3.52						0.07	3.59	3.59
Acephate 90%	lb	1.46						0.03	1.49	1.49
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94 1.91
Centric 40WG	oz	7.16						0.13	7.29	7.29
Mepiquat Chloride	oz	1.08						0.02	1.10	1.10
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.07	4.30	2.63 6.93
UAN (32% N)	cwt	37.08						0.66	37.74	37.74
Spray (Direct/Layby)	12R-38		1.75	0.62	1.13			0.06	3.56	2.13 5.69
Diuron 4L	pt	5.25						0.09	5.34	5.34
Glyphosate 3lbs a.e.	oz	3.52						0.06	3.58	3.58
App by Air (3 gal)	appl	4.50						0.06	4.56	4.56
Acephate 90%	lb	3.65						0.05	3.70	3.70
Mepiquat Chloride	oz	1.08						0.02	1.10	1.10
App by Air (3 gal)	appl	1.13						0.02	1.15	1.15
Karate Z	oz	1.37						0.02	1.39	1.39
Bidrin 8WM	oz	1.82						0.03	1.85	1.85
Incidental Pest										
App by Air (3 gal)	appl	4.50						0.06	4.56	4.56
Incidental Pest Trt	acre	12.00						0.17	12.17	12.17
App by Air (3 gal)	appl	4.50						0.05	4.55	4.55
Acephate 90%	lb	4.97						0.05	5.02	5.02
App by Air (5 gal)	appl	5.75						0.04	5.79	5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84	2.84
Ethephon 6E	pt	4.72						0.03	4.75	4.75
Sprayer 600-825gal	90' 250hp		0.25	0.07	0.15				0.47	0.47 0.94
Tribufos 6lb	pt	3.96						0.03	3.99	3.99
Cotton Picker	6R-38(355)		10.71	11.55	5.16			0.10	27.52	46.26 73.78
Boll Buggy	6R-38(330)		6.78	2.08	3.60			0.04	12.50	8.75 21.25
Module Builder	6R-38(330)		6.78	2.34	5.16			0.05	14.33	9.30 23.63
Gin & Haul	lb	81.00						0.29	81.29	81.29
Stalk Shredder-Flail	20'		3.25	2.23	1.73			0.03	7.24	4.22 11.46
TOTALS		478.30	36.92	22.47	21.80	0.00	9.80	569.29	84.15	653.44

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

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	924.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	10.13	4.50	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	84.95	0.00	0.00	37.08	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	33.15	8.77	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	3.26	2.74	0.00	0.00	0.15	15.65
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	4.85	4.30	0.00	0.00	0.25	27.52
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	2.56	1.64	0.00	0.00	0.07	18.20
INTEREST ON OP. CAP.	0.94	0.00	0.00	0.00	3.02	0.00	3.57	1.11	0.43	0.10	0.12	0.51
TOTAL DIRECT EXPENSES	22.94	0.00	0.00	0.00	109.40	0.00	172.30	63.88	30.48	9.57	17.84	142.88
NET INCOME	-22.94	0.00	0.00	0.00	-109.40	0.00	-172.30	-63.88	-30.48	-9.57	-17.84	781.42
NET INCOME TO DATE	-22.94	-22.94	-22.94	-22.94	-132.34	-132.34	-304.64	-368.52	-399.00	-408.57	-426.41	355.01

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 8.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, no-till
 B2RF variety, Delta Area, Mississippi, 2012

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----	-----PRODUCT PRICE-----												
Cotton Lint	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14		
PERCENT	YIELD	UNIT	-----dollars-----										
50	450.00	lb	-117	-97	-76	-56	-35	-15	5	25	46	66	87
			-202	-181	-160	-140	-119	-99	-78	-58	-37	-17	3
60	540.00	lb	-64	-39	-15	9	34	58	83	108	132	157	182
			-148	-123	-99	-74	-49	-25	-0	23	48	73	97
70	630.00	lb	-10	17	46	75	104	132	161	190	219	247	276
			-95	-66	-37	-8	19	48	77	106	135	163	192
80	720.00	lb	42	75	108	141	174	206	239	272	305	338	371
			-41	-8	24	57	89	122	155	188	221	254	287
90	810.00	lb	96	133	170	207	243	280	317	354	391	428	465
			11	48	85	122	159	196	233	270	307	344	381
100	900.00	lb	149	190	231	272	313	355	396	437	478	519	560
			65	106	147	188	229	270	311	353	394	435	476
110	990.00	lb	203	248	293	338	383	429	474	519	564	609	655
			118	164	209	254	299	344	390	435	480	525	570
120	1080.00	lb	256	305	355	404	453	503	552	601	650	700	749
			172	221	271	320	369	418	468	517	566	616	665
130	1170.00	lb	310	363	416	470	523	577	630	683	737	790	844
			225	279	332	386	439	492	546	599	653	706	760
140	1260.00	lb	363	421	478	536	593	651	708	766	823	881	938
			279	336	394	451	509	567	624	682	739	797	854
150	1350.00	lb	417	478	540	601	663	725	786	848	910	971	1033
			332	394	456	517	579	641	702	764	825	887	949

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

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

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

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

Table 9.A Estimated costs per acre
 Cotton, 12R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	5.75	2.0000	11.50	_____
App by Air (3 gal)	appl	4.50	5.5000	24.75	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.55	1.3300	4.72	_____
Tribufos 6lb	pt	7.92	0.5000	3.96	_____
GINNING					
Gin & Haul	lb	0.09	900.0000	81.00	_____
FERTILIZERS					
Potash (60% K2O)	cwt	29.19	1.5000	43.79	_____
UAN (32% N)	cwt	18.54	4.0000	74.16	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.31	0.5000	5.16	_____
Glyphosate 3lbs a.e.	oz	0.11	32.0000	3.52	_____
Gramoxone Inteon	oz	0.25	32.0000	8.00	_____
Cotoran 4L	pt	4.69	2.0000	9.38	_____
Dual Magnum	pt	12.25	1.0000	12.25	_____
Ignite 280	oz	0.40	58.0000	23.20	_____
Valor SX	oz	4.58	2.0000	9.16	_____
MSMA 6.6	pt	2.69	2.7500	7.40	_____
INSECTICIDES					
Acephate 90%	lb	6.63	1.5200	10.08	_____
Centric 40WG	oz	3.58	2.0000	7.16	_____
Karate Z	oz	2.73	6.0000	16.38	_____
Bidrin 8WM	oz	0.91	8.0000	7.28	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed LLB2	thous	1.10	45.0000	49.50	_____
TECHNOLOGY FEE					
B2 Cot Tech Fee	thous	0.76	45.0000	34.20	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.09	24.0000	2.16	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
ERADICATION FEE					
Eradication	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	44.00	0.5000	22.00	_____
OPERATOR LABOR					
Tractors	hour	11.60	0.7477	8.68	_____
Self-Propelled	hour	11.60	0.2193	2.55	_____
HAND LABOR					
Implements	hour	9.06	0.2997	2.70	_____
Self-Propelled	hour	9.06	0.1958	1.77	_____
UNALLOCATED LABOR					
	hour	11.60	0.7736	8.98	_____
DIESEL FUEL					
Tractors	gal	3.40	8.6602	29.44	_____
Self-Propelled	gal	3.40	3.6814	12.52	_____
REPAIR & MAINTENANCE					
Implements	acre	8.62	1.0000	8.62	_____
Tractors	acre	4.47	1.0000	4.47	_____
Self-Propelled	acre	12.05	1.0000	12.05	_____
INTEREST ON OP. CAP.	acre	10.44	1.0000	10.44	_____
TOTAL DIRECT EXPENSES				617.25	_____
FIXED EXPENSES					
Implements	acre	14.03	1.0000	14.03	_____
Tractors	acre	28.54	1.0000	28.54	_____
Self-Propelled	acre	49.58	1.0000	49.58	_____
TOTAL FIXED EXPENSES				92.15	_____
TOTAL SPECIFIED EXPENSES				709.40	_____

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

Table 9.B Summary of estimated costs and returns per acre
 Cotton, 12R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.91	900.0000	821.70	_____
Cotton Seed	lb	0.07	1350.0000	102.60	_____

TOTAL INCOME				924.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	36.25	1.0000	36.25	_____
HARVEST AIDS	acre	11.50	1.0000	11.50	_____
GINNING	acre	81.00	1.0000	81.00	_____
FERTILIZERS	acre	117.95	1.0000	117.95	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	78.07	1.0000	78.07	_____
INSECTICIDES	acre	46.90	1.0000	46.90	_____
SEED/PLANTS	acre	49.50	1.0000	49.50	_____
TECHNOLOGY FEE	acre	34.20	1.0000	34.20	_____
GROWTH REGULATORS	acre	2.16	1.0000	2.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
ERADICATION FEE	acre	1.50	1.0000	1.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	22.00	1.0000	22.00	_____
HAND LABOR	hour	9.06	0.4955	4.47	_____
OPERATOR LABOR	hour	11.60	0.9670	11.23	_____
UNALLOCATED LABOR	hour	11.60	0.7736	8.98	_____
DIESEL FUEL	gal	3.40	12.3417	41.96	_____
REPAIR & MAINTENANCE	acre	25.14	1.0000	25.14	_____
INTEREST ON OP. CAP.	acre	10.44	1.0000	10.44	_____

TOTAL DIRECT EXPENSES				617.25	_____
RETURNS ABOVE DIRECT EXPENSES				307.05	_____
TOTAL FIXED EXPENSES					
				92.15	_____

TOTAL SPECIFIED EXPENSES				709.40	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				214.90	_____

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

Fertilization decisions should be based on soil tests.

Table 9.C Estimated resource use for field operations, per acre
 Cotton, 12R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Bed-Paratill	Fold	12R-38	MFWD 225	0.053	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				
Bed-Disk (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 LLB2	thous					45.0000				
B2 Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Dual Magnum	pt					1.0000				
Ignite 280	oz					29.0000				
Acephate 90%	lb					0.2200				
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				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Ignite 280	oz					29.0000				
Spray (Direct/Layby)	12R-38	MFWD 225	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Valor SX	oz					2.0000				
MSMA 6.6	pt					2.7500				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.5500				
Mepiquat Chloride	oz					12.0000				
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	Jul	1.0000				
Karate Z	oz					2.0000				
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				
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 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(330)	MFWD 225	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	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							0.96	0.74	1.46	0.77

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

Table 9.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
LLB2 variety, Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	22.00						0.94	22.94		22.94
Bed-Paratill Fold	12R-38		2.12	1.66	1.12			0.21	5.11	4.42	9.53
App by Air (5 gal)	appl	5.75						0.16	5.91		5.91
Clarity	pt	5.16						0.15	5.31		5.31
Glyphosate 3lbs a.e.	oz	3.52						0.10	3.62		3.62
Bed-Disk (Hipper)	12R-38		0.97	0.32	0.52			0.05	1.86	1.40	3.26
Custom Apply Fert	acre	7.00						0.20	7.20		7.20
Potash (60% K2O)	cwt	43.79						1.24	45.03		45.03
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.10	4.33	2.63	6.96
UAN (32% N)	cwt	37.08						0.92	38.00		38.00
Row Cond Folding	38'		1.61	0.47	0.85			0.06	2.99	2.54	5.53
Plant & Pre-Folding	12R-38		2.10	1.61	1.60			0.11	5.42	4.55	9.97
Cotton Seed LLB2	thous	49.50						1.05	50.55		50.55
B2 Cot Tech Fee	thous	34.20						0.73	34.93		34.93
Cotton Seed Trt.	acre	20.00						0.43	20.43		20.43
Sprayer 600-750gal	60' 175hp		0.54	0.15	0.44			0.02	1.15	0.94	2.12
Gramoxone Inteon	oz	8.00						0.17	8.17		8.17
Cotoran 4L	pt	9.38						0.20	9.58		9.58
Insect Scouting	acre	7.00						0.15	7.15		7.15
Eradication	acre	1.50						0.03	1.53		1.53
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94	1.91
Dual Magnum	pt	12.25						0.26	12.51		12.51
Ignite 280	oz	11.60						0.25	11.85		11.85
Acephate 90%	lb	1.46						0.03	1.49		1.49
Fert Appl (Liquid)	12R-38		2.04	0.88	1.31			0.07	4.30	2.63	6.93
UAN (32% N)	cwt	37.08						0.66	37.74		37.74
Sprayer 600-825gal	90' 250hp		0.51	0.14	0.30			0.02	0.97	0.94	1.91
Centric 40WG	oz	7.16						0.13	7.29		7.29
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
Ignite 280	oz	11.60						0.21	11.81		11.81
Spray (Direct/Layby)	12R-38		1.75	0.62	1.13			0.05	3.55	2.13	5.68
Valor SX	oz	9.16						0.13	9.29		9.29
MSMA 6.6	pt	7.40						0.10	7.50		7.50
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Acephate 90%	lb	3.65						0.05	3.70		3.70
Mepiquat Chloride	oz	1.08						0.02	1.10		1.10
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Karate Z	oz	5.46						0.08	5.54		5.54
Bidrin 8WM	oz	7.28						0.10	7.38		7.38
Incidental Pest											
App by Air (3 gal)	appl	2.25						0.03	2.28		2.28
Incidental Pest Trt	acre	6.00						0.09	6.09		6.09
App by Air (3 gal)	appl	4.50						0.06	4.56		4.56
Karate Z	oz	5.46						0.08	5.54		5.54
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Acephate 90%	lb	4.97						0.05	5.02		5.02
App by Air (3 gal)	appl	4.50						0.05	4.55		4.55
Karate Z	oz	5.46						0.06	5.52		5.52
App by Air (5 gal)	appl	5.75						0.04	5.79		5.79
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	4.72						0.03	4.75		4.75
Sprayer 600-825gal	90' 250hp		0.25	0.07	0.15				0.47	0.47	0.94
Tribufos 6lb	pt	3.96						0.03	3.99		3.99
Cotton Picker	6R-38(355)		10.71	11.55	5.16			0.10	27.52	46.26	73.78
Boll Buggy	6R-38(330)		6.78	2.08	3.60			0.04	12.50	8.75	21.25
Module Builder	6R-38(330)		6.78	2.34	5.16			0.05	14.33	9.30	23.63
Gin & Haul	lb	81.00						0.29	81.29		81.29
Stalk Shredder-Flail	20'		3.25	2.23	1.73			0.03	7.24	4.22	11.46
TOTALS		515.03	41.96	25.14	24.68	0.00	10.44	617.25	92.15	709.40	

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

Table 9.E Estimated monthly income and expense flows per acre
 Cotton, 12R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	924.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	5.75	0.00	0.00	0.00	15.75	9.00	5.75	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00
FERTILIZERS	0.00	0.00	0.00	0.00	43.79	37.08	0.00	37.08	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	41.23	11.60	16.56	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	27.85	10.43	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	34.20	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.12	0.00	0.00	0.00	0.52	1.31	3.19	1.61	1.13	0.00	0.15	15.65
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.12	0.00	0.00	0.00	0.97	2.04	4.76	2.55	1.75	0.00	0.25	27.52
REPAIR & MAINTENANCE	1.66	0.00	0.00	0.00	0.32	0.88	2.37	1.02	0.62	0.00	0.07	18.20
INTEREST ON OP. CAP.	1.15	0.00	0.00	0.00	1.90	1.02	3.51	1.11	0.91	0.21	0.12	0.51
TOTAL DIRECT EXPENSES	28.05	0.00	0.00	0.00	68.93	42.33	168.72	63.21	65.65	19.64	17.84	142.88
NET INCOME	-28.05	0.00	0.00	0.00	-68.93	-42.33	-168.72	-63.21	-65.65	-19.64	-17.84	781.42
NET INCOME TO DATE	-28.05	-28.05	-28.05	-28.05	-96.98	-139.31	-308.03	-371.24	-436.89	-456.53	-474.37	307.05

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 9.F Estimated returns for various price/yield combinations, per acre
 Cotton, 12R-38" solid, conservation tillage
 LLB2 variety, Delta Area, Mississippi, 2012

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
Cotton Lint			0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00	1.04	1.09	1.14
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-165 -258	-145 -237	-124 -216	-104 -196	-83 -175	-63 -155	-42 -134	-22 -114	-1 -93	19 -73	39 -52
60	540.00	lb	-112 -204	-87 -179	-63 -155	-38 -130	-13 -105	10 -81	35 -56	60 -31	84 -7	109 17	134 41
70	630.00	lb	-58 -151	-30 -122	-1 -93	27 -64	56 -35	84 -7	113 21	142 50	171 79	199 107	228 136
80	720.00	lb	-5 -97	27 -64	60 -31	93 1	126 33	158 66	191 99	224 132	257 165	290 198	323 231
90	810.00	lb	48 -44	85 -7	122 29	159 66	196 103	233 140	269 177	306 214	343 251	380 288	417 325
100	900.00	lb	101 9	142 50	183 91	224 132	265 173	307 214	348 255	389 297	430 338	471 379	512 420
110	990.00	lb	155 62	200 108	245 153	290 198	335 243	381 288	426 334	471 379	516 424	561 469	607 514
120	1080.00	lb	208 116	257 165	307 215	356 264	405 313	455 362	504 412	553 461	603 510	652 560	701 609
130	1170.00	lb	262 169	315 223	368 276	422 330	475 383	529 437	582 490	635 543	689 597	742 650	796 704
140	1260.00	lb	315 223	373 280	430 338	488 396	545 453	603 511	660 568	718 626	775 683	833 741	890 798
150	1350.00	lb	369 276	430 338	492 400	554 461	615 523	677 585	738 646	800 708	862 769	923 831	985 893

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

Table 10.A Estimated costs per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2012

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

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

Table 10.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2012

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

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

TOTAL DIRECT EXPENSES				563.48	_____
RETURNS ABOVE DIRECT EXPENSES				206.77	_____

TOTAL FIXED EXPENSES				113.40	_____

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

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

Fertilization decisions should be based on soil tests.

Table 10.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1000				
Bed-Paratill Fold	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Sprayer 600-750gal	60' 175hp		0.017	1.00	Mar			0.01	0.02	0.01
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Bed-Disk (Hipper)Rd	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
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					12.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 4L	pt					1.6000				
Glyphosate 3lbs a.e.	oz					32.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jul			0.01	0.02	0.01
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer 600-750gal	60' 175hp		0.017	0.25	Jul			0.00	0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
Sprayer 600-750gal	60' 175hp		0.017					0.01	0.02	0.01
Incidental Pest Trt	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Aug			0.01	0.02	0.01
Acephate 90%	lb					0.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Sep			0.01	0.02	0.01
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.52	1.11	2.30	1.22

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

Table 10.D Estimated costs for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2012

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

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

Table 10.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
B2RF variety, Non-Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	770.25
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.50
FERTILIZERS	2.87	0.00	0.00	0.00	40.87	33.37	0.00	33.37	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	33.15	0.00	8.77	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.69	0.00	0.00	0.00	1.21	1.97	4.52	2.41	2.69	0.44	0.66	23.28
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.69	0.00	0.00	0.00	1.77	2.58	5.74	3.12	3.43	0.54	0.81	36.85
REPAIR & MAINTENANCE	1.93	0.00	0.00	0.00	0.46	1.25	2.10	1.40	0.99	0.15	0.22	21.79
INTEREST ON OP. CAP.	1.33	0.00	0.00	0.00	1.71	0.97	3.61	0.86	0.51	0.06	0.09	0.53
TOTAL DIRECT EXPENSES	32.51	0.00	0.00	0.00	61.70	40.14	174.03	49.40	36.31	6.16	13.28	149.95
NET INCOME	-32.51	0.00	0.00	0.00	-61.70	-40.14	-174.03	-49.40	-36.31	-6.16	-13.28	620.30
NET INCOME TO DATE	-32.51	-32.51	-32.51	-32.51	-94.21	-134.35	-308.38	-357.78	-394.09	-400.25	-413.53	206.77

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 10.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2012

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

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

Table 11.A Estimated costs per acre
Cotton, 8R-38" solid, no-till
B2RF variety, Non-Delta Area, Mississippi, 2012

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

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

Table 11.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

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

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

TOTAL DIRECT EXPENSES				552.94	_____
RETURNS ABOVE DIRECT EXPENSES				217.31	_____
TOTAL FIXED EXPENSES					
				104.04	_____

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

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

Fertilization decisions should be based on soil tests.

Table 11.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Mar			0.01	0.02	0.01
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Custom Apply Fert	acre			1.00	Mar	1.0000				
Amm Nitrate (34% N)	cwt					1.8000				
Potash (60% K2O)	cwt					1.4000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant&Pre-Rigid	8R-38	MFWD 190	0.083	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Glyphosate 3lbs a.e.	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Diuron 4L	pt					1.6000				
Glyphosate 3lbs a.e.	oz					32.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jul			0.01	0.02	0.01
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer 600-750gal	60' 175hp		0.017	0.25	Jul			0.00	0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
Sprayer 600-750gal	60' 175hp		0.017					0.01	0.02	0.01
Incidental Pest Trt	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Aug			0.01	0.02	0.01
Acephate 90%	lb					0.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Sep			0.01	0.02	0.01
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.33	0.92	2.08	1.06

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

Table 11.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, no-till
B2RF variety, Non-Delta Area, Mississippi, 2012

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

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

Table 11.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	770.25
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.50
FERTILIZERS	2.87	0.00	0.00	0.00	77.91	0.00	0.00	33.37	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	33.15	8.77	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	27.90	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.44	0.00	4.63	4.11	0.99	0.44	0.66	23.28
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.54	0.00	5.85	5.34	1.21	0.54	0.81	36.85
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.15	0.00	2.29	2.05	0.34	0.15	0.22	21.79
INTEREST ON OP. CAP.	1.06	0.00	0.00	0.00	2.69	0.00	3.62	1.09	0.33	0.06	0.09	0.53
TOTAL DIRECT EXPENSES	25.93	0.00	0.00	0.00	97.41	0.00	174.45	62.97	22.79	6.16	13.28	149.95
NET INCOME	-25.93	0.00	0.00	0.00	-97.41	0.00	-174.45	-62.97	-22.79	-6.16	-13.28	620.30
NET INCOME TO DATE	-25.93	-25.93	-25.93	-25.93	-123.34	-123.34	-297.79	-360.76	-383.55	-389.71	-402.99	217.31

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 11.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2012

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

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

Table 12.A Estimated costs per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

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

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

Table 12.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, conservation tillage
LLB2 variety, Non-Delta Area, Mississippi, 2012

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

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

TOTAL DIRECT EXPENSES				613.51	_____
RETURNS ABOVE DIRECT EXPENSES				156.74	_____

TOTAL FIXED EXPENSES				113.40	_____

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

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

Fertilization decisions should be based on soil tests.

Table 12.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1000				
Bed-Paratill Fold	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Sprayer 600-750gal	60' 175hp		0.017	1.00	Mar			0.01	0.02	0.01
Clarity	pt					0.5000				
Glyphosate 3lbs a.e.	oz					32.0000				
Bed-Disk (Hipper)Rd	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed LLB2	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramoxone Inteon	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Ignite 280	oz					29.0000				
Acephate 90%	lb					0.2200				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Ignite 280	oz					29.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Valor SX	oz					2.0000				
MSMA 6.6	pt					2.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jul			0.01	0.02	0.01
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer 600-750gal	60' 175hp		0.017	0.25	Jul			0.00	0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
Sprayer 600-750gal	60' 175hp		0.017					0.01	0.02	0.01
Incidental Pest Trt	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Aug			0.01	0.02	0.01
Acephate 90%	lb					0.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Sep			0.01	0.02	0.01
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.52	1.11	2.30	1.22

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

Table 12.D Estimated costs for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

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

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

Fertilization decisions should be based on soil tests.

Table 12.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	770.25
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.50
FERTILIZERS	2.87	0.00	0.00	0.00	40.87	33.37	0.00	33.37	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	8.68	0.00	41.23	11.60	16.56	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.46	7.16	18.84	4.97	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.08	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.69	0.00	0.00	0.00	1.21	1.97	4.52	2.41	2.69	0.44	0.66	23.28
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.69	0.00	0.00	0.00	1.77	2.58	5.74	3.12	3.43	0.54	0.81	36.85
REPAIR & MAINTENANCE	1.93	0.00	0.00	0.00	0.46	1.25	2.10	1.40	0.99	0.15	0.22	21.79
INTEREST ON OP. CAP.	1.33	0.00	0.00	0.00	1.71	0.97	4.25	1.07	0.62	0.06	0.09	0.53
TOTAL DIRECT EXPENSES	32.51	0.00	0.00	0.00	61.70	40.14	204.35	61.21	44.21	6.16	13.28	149.95
NET INCOME	-32.51	0.00	0.00	0.00	-61.70	-40.14	-204.35	-61.21	-44.21	-6.16	-13.28	620.30
NET INCOME TO DATE	-32.51	-32.51	-32.51	-32.51	-94.21	-134.35	-338.70	-399.91	-444.12	-450.28	-463.56	156.74

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 12.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2012

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

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

APPENDIX

Appendix Table 1. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Mississippi, 2012

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	-----\$/hour-----					
Combine (250-299 hp)	265 hp	241,000	300	8	13.64	11.60	46.37	25.10	83.08	100.53	183.61
Combine (300-349 hp)	325 hp	269,000	300	8	16.73	11.60	56.88	28.02	96.50	112.22	208.72
Combine (350-399 hp)	355 hp	288,000	300	8	18.27	11.60	62.11	30.00	103.71	120.14	223.86
Combine (400-449 hp)	425 hp	321,000	300	8	21.87	11.60	74.37	33.43	119.41	133.91	253.32
Combine (450-499hp)	475 hp	342,000	300	8	24.44	11.60	83.12	35.62	130.35	142.67	273.02
Cotton Stripper	173 hp	157,000	200	8	8.08	11.60	27.47	24.53	63.60	98.24	161.84
Tractor(20-39hp)CB	MFWD 30	24,700	600	8	1.54	11.60	5.24	0.77	17.62	4.72	22.34
Tractor(20-39hp)RB	MFWD 30	19,000	600	8	1.54	11.60	5.24	0.59	17.44	3.63	21.07
Tractor(40-59hp)CB	2WD 50	31,500	600	8	2.57	11.60	8.75	0.98	21.33	6.02	27.36
Tractor(40-59hp)CB	MFWD 50	32,900	600	8	2.57	11.60	8.75	1.02	21.37	6.29	27.67
Tractor(40-59hp)RB	2WD 50	25,500	600	8	2.57	11.60	8.75	0.79	21.14	4.87	26.02
Tractor(40-59hp)RB	MFWD 50	30,100	600	8	2.57	11.60	8.75	0.94	21.29	5.75	27.04
Tractor(60-89hp)CB	2WD 75	42,100	600	8	3.86	11.60	13.12	1.31	26.04	8.05	34.09
Tractor(60-89hp)CB	MFWD 75	46,600	600	8	3.86	11.60	13.12	1.45	26.18	8.91	35.09
Tractor(60-89hp)RB	2WD 75	35,600	600	8	3.86	11.60	13.12	1.11	25.83	6.80	32.64
Tractor(60-89hp)RB	MFWD 75	39,300	600	8	3.86	11.60	13.12	1.22	25.95	7.51	33.47
Tractor(90-119hp)CB	2WD 105	65,300	600	8	5.40	11.60	18.37	2.04	32.01	12.49	44.50
Tractor(90-119hp)CB	MFWD 105	69,600	600	8	5.40	11.60	18.37	2.17	32.15	13.31	45.46
Tractor(90-119hp)RB	2WD 105	52,700	600	8	5.40	11.60	18.37	1.64	31.62	10.08	41.70
Tractor(90-119hp)RB	MFWD 105	55,500	600	8	5.40	11.60	18.37	1.73	31.71	10.61	42.32
Tractor(120-139hp)CB	2WD 130	97,500	600	8	6.69	11.60	22.75	3.04	37.39	18.65	56.04
Tractor(120-139hp)CB	MFWD 130	98,000	600	8	6.69	11.60	22.75	3.06	37.41	18.74	56.15
Tractor(140-159hp)CB	2WD 150	113,000	600	8	7.72	11.60	26.25	3.53	41.38	21.61	62.99
Tractor(140-159hp)CB	MFWD 150	122,000	600	8	7.72	11.60	26.25	3.81	41.66	23.33	65.00
Tractor(160-179hp)CB	2WD 170	119,000	600	8	8.75	11.60	29.75	3.71	45.06	23.79	68.86
Tractor(160-179hp)CB	MFWD 170	135,000	600	8	8.75	11.60	29.75	4.21	45.56	26.99	72.56
Tractor(180-199hp)CB	MFWD 190	143,000	600	8	9.77	11.60	33.25	4.46	49.32	28.59	77.91
Tractor(200-249hp)CB	MFWD 225	191,000	600	8	11.58	11.60	39.37	5.96	56.94	38.18	95.13
Tractor(200-249hp)CB	Track 225	212,000	600	8	11.58	11.60	39.37	6.62	57.60	42.38	99.98
Tractor(250-349hp)CB	4WD 300	211,000	600	8	15.44	11.60	52.50	6.59	70.69	42.18	112.88
Tractor(250-349hp)CB	MFWD 300	246,000	600	8	15.44	11.60	52.50	7.68	71.78	49.18	120.97
Tractor(250-349hp)CB	Track 300	225,000	600	8	15.44	11.60	52.50	7.03	71.13	44.98	116.11
Tractor(350-449hp)CB	4WD 400	245,000	600	8	20.58	11.60	70.00	7.65	89.25	48.98	138.24
Tractor(350-449hp)CB	Track 400	305,000	600	8	20.58	11.60	70.00	9.53	91.13	60.98	152.11
Tractor(450-550hp)CB	4WD 500	294,000	600	8	25.73	11.60	87.50	9.18	108.28	58.78	167.07
Tractor(450-550hp)CB	Track 500	347,000	600	8	25.73	11.60	87.50	10.84	109.94	69.37	179.32
Utility Vehicle	500 CC	6,500	200	8	0.40	11.60	1.40	1.01	14.01	4.06	18.08
Utility Vehicle	800 CC	7,600	200	8	0.70	11.60	2.45	1.18	15.23	4.75	19.99
Utility Vehicle-mule	600 CC	9,800	200	8	0.50	11.60	1.75	1.53	14.88	6.13	21.01

Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

CB = Cab, RB = Roll Bar

Appendix Table 2. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Mississippi, 2012

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
Backhoe	2WD Cab	75,218	0	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker	4R-30(350)	350,000	200	8	18.01	0.327	6.76	20.05	17.90	44.71	71.70	116.42
Cotton Picker	4R-38(255)	267,000	200	8	13.12	0.257	5.32	11.50	10.75	27.58	43.06	70.65
Cotton Picker	4R-38(350)	351,000	200	8	18.01	0.257	5.32	15.78	14.13	35.25	56.61	91.87
Cotton Picker	4R2x1(350)	274,000	200	8	18.01	0.172	3.55	10.55	7.37	21.49	29.54	51.03
Cotton Picker	6R-30(355)	429,000	200	8	18.27	0.218	4.50	13.55	14.62	32.69	58.58	91.28
Cotton Picker	6R-38(355)	429,000	200	8	18.27	0.172	3.55	10.70	11.55	25.81	46.25	72.07
Cotton Picker/Module	4R-38(365)	470,000	200	8	18.78	0.257	5.32	16.46	18.93	40.72	75.81	116.53
Cotton Picker/Module	6R-30(365)	521,000	200	8	18.78	0.218	4.50	13.94	17.76	36.21	71.15	107.37
Cotton Picker/Module	6R-30(500)	600,000	200	8	25.73	0.218	4.50	19.09	20.46	44.06	81.94	126.01
Cotton Picker/Module	6R-38(365)	523,000	200	8	18.78	0.172	3.55	11.00	14.08	28.64	56.39	85.03
Cotton Picker/Module	6R-38(500)	601,000	200	8	25.73	0.172	3.55	15.07	16.18	34.81	64.80	99.62
Dry Applicator SP	70'300cuft	282,000	350	8	16.98	0.015	0.24	0.87	0.22	1.34	1.52	2.86
Sprayer 110Gal	30' 50hp	40,300	350	8	2.41	0.035	0.56	0.29	0.07	0.93	0.50	1.44
Sprayer 300-450gal	60' 125hp	98,100	350	8	5.66	0.017	0.28	0.33	0.09	0.71	0.61	1.33
Sprayer 300-450gal	80' 125hp	102,000	350	8	6.43	0.013	0.21	0.28	0.07	0.57	0.48	1.05
Sprayer 600-750gal	60' 175hp	154,000	350	8	9.00	0.017	0.28	0.53	0.14	0.96	0.97	1.94
Sprayer 600-825gal	80' 175hp	154,000	350	8	11.81	0.013	0.21	0.53	0.10	0.85	0.72	1.58
Sprayer 600-825gal	90' 250hp	223,000	350	8	12.73	0.011	0.18	0.50	0.14	0.83	0.93	1.77
Sprayer 800gal	100' 250hp	224,000	350	8	14.15	0.010	0.17	0.50	0.12	0.80	0.84	1.65
Sprayer 800gal	80' 250hp	213,000	350	8	12.86	0.013	0.21	0.57	0.15	0.94	1.00	1.94
Sprayer 1000-1400gal	90' 275hp	256,000	350	8	14.15	0.010	0.17	0.50	0.14	0.82	0.96	1.79
Sprayer 1000gal	100' 300hp	257,000	350	8	15.44	0.010	0.17	0.55	0.14	0.87	0.97	1.84
Sprayer 1200+gal	120' 300hp	266,000	350	8	15.44	0.008	0.14	0.46	0.12	0.73	0.83	1.56
Utility Vehicle	20'	11,100	200	8	0.50	0.052	0.85	0.09	0.09	1.03	0.36	1.40
Utility Vehicle	75"ropewic	7,100	200	8	0.40	0.170	2.75	0.23	0.18	3.17	0.75	3.93

Notes:

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

Direct: Does not include interest on operating capital.

BB = Boll Buggy, Tr = Trailer

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2012 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Stalk Shredder-Flail	15'	MFWD 150	18,700	200	10	0.110	1.27	2.88	1.79	0.41	6.38	1.10	2.56	10.05
Stalk Shredder-Flail	18'	MFWD 150	23,100	200	10	0.091	1.06	2.40	1.85	0.34	5.67	1.13	2.13	8.94
Stalk Shredder-Flail	20'	MFWD 150	24,100	200	10	0.082	0.95	2.16	1.73	0.31	5.17	1.06	1.92	8.17
Stalk Shredder-Flail	25'	MFWD 150	31,400	200	10	0.066	0.76	1.73	1.81	0.25	4.56	1.11	1.54	7.21
Strip Till	12R-30	MFWD 225	28,600	150	10	0.061	0.71	2.42	0.76	0.36	4.27	1.26	2.35	7.88
Subsoiler	3 shank	MFWD 190	3,250	100	15	0.204	2.37	6.79	0.22	0.91	10.29	0.56	5.84	16.70
Subsoiler	4 shank	MFWD 225	7,340	100	15	0.153	1.78	6.04	0.37	0.91	9.12	0.95	5.86	15.94
Subsoiler	5 shank	MFWD 225	7,070	100	15	0.122	1.41	4.81	0.28	0.73	7.25	0.72	4.67	12.65
Subsoiler low-till	4 shank	MFWD 225	1,060	100	15	0.153	1.78	6.04	0.05	0.91	8.80	0.13	5.86	14.80
Subsoiler low-till	6 shank	MFWD 225	15,100	100	15	0.102	1.18	4.02	0.51	0.60	6.33	1.30	3.90	11.53
Subsoiler low-till	8 shank	MFWD 225	19,250	100	15	0.076	0.88	3.01	0.49	0.45	4.84	1.24	2.92	9.01

Notes:

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

Total Direct: Does not include interest on operating capital.

HB = Hooded Boom, HD = Hooded Direct

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

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

(continued)

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

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

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

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

(continued)

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

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

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

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

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

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

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

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

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

^b The basis is computed by subtracting the 2001-2011 average near futures contract month closings in October from the daily spot cash prices reported in October.
Sources: Arkansas Farm Bureau Commodity Report and Daily Grain Report, Mississippi Department of Ag-USDA Market News.

^c The forward contract price for cotton, soybeans, corn, wheat, and rice is the futures contract price plus the basis. The forward contract price for grain sorghum is 95% of the forward contract price for corn. The forward contract price for peanuts is estimated from a poll of industry peanut buyers.

^d Average Mississippi loan rate for the 2011 crop year for soybeans, corn, grain sorghum, and wheat. 2011 Mississippi base loan rate for the Delta area for cotton. 2011 Mississippi loan rate for long grain rice. 2011 national average loan rate for peanuts.

^e Price used in the 2012 MAFES Planning Budgets.

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

Appendix Table 8. Estimated costs for field operations, per acre
 Cotton irrigated with roll-out pipe
 160-acre roll-out pipe system, 10.5 ac-in., Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Land Plane	50'x16'		1.26	0.25	0.44			0.01	1.96	1.30	3.26
Set Up Engine											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Ditcher (1m/160a)			0.21	0.05	0.11			0.01	0.38	0.19	0.57
Roll-Out Pipe	ft	6.60						0.12	6.72		6.72
Lay Roll-out Pipe											
Pipe Spool 160ac	1/4m roll		0.28	0.06	0.37			0.01	0.72	0.50	1.22
IRRIGATE LABOR	hour				1.81			0.03	1.84		1.84
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Pick Up Pipe											
Pipe Spool 160ac	1/4m roll		0.43	0.10	0.56			0.01	1.10	0.75	1.85
Land Forming (\$390)	each									28.37	28.37
Well & Pump, Furrow	each			2.44				0.04	2.48	7.39	9.87
Main Line Pipe	each									5.16	5.16
Engine, RPF, 75	each									7.27	7.27
June Irrigation	ac-in		9.69	1.11				0.19	10.99		10.99
July Irrigation	ac-in		9.69	1.11				0.15	10.95		10.95
August Irrigation	ac-in		9.69	1.11				0.11	10.91		10.91
TOTALS		6.60	31.25	6.23	4.21	0.00		0.68	48.97	50.93	99.90

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

Appendix Table 9. Estimated costs for field operations, per acre
 Cotton irrigated with center pivot
 135-acre 1/4-mile pivot system, 7.5 ac-in., Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Set Up Engine										
IRRIGATE LABOR	hour				0.27			0.01	0.28	0.28
Maintenance										
IRRIGATE LABOR	hour				1.07			0.02	1.09	1.09
Apply Water										
IRRIGATE LABOR	hour				0.15				0.15	0.15
Apply Water										
IRRIGATE LABOR	hour				0.20				0.20	0.20
Apply Water										
IRRIGATE LABOR	hour				0.15				0.15	0.15
Pivot, 1/4 CP	each			12.00				0.21	12.21	49.19
Well & Pump, 1/4 CP	each			2.89				0.05	2.94	8.76
Engine, 1/4 CP, 65	each									6.80
June Irr. 3app@.75"	ac-in		11.43	0.93				0.22	12.58	12.58
July Irr. 4app@.75"	ac-in		15.23	1.24				0.23	16.70	16.70
Aug Irr. 3app@.75"	ac-in		11.43	0.93				0.13	12.49	12.49
TOTALS			0.00	38.09	17.99	1.84	0.00	0.87	58.79	64.75

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

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