BLACK BELT & COASTAL PLAIN 2008 PLANNING BUDGETS

Mississippi State University
Department of Agricultural Economics
Budget Report 2007-07

December 2007

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 2008 planning decisions. This would be a one-year short-run decision. Decisions beyond one year, or long-run decisions, should be based on "**Returns Above Specified Expenses**."

Acknowledgments

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

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

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

The mention in this report of any commercial product does not imply its endorsement by MSU-ES, MAFES, or USDA over other products not named nor does the omission imply they are not satisfactory.

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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 2007. (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:

$$RPH = \frac{RLC \; x \; RP}{THL}$$

$$RPA = RPH \; x \; PR$$

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

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

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:

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

$$CRCPA = CRCPH \times PR$$

where:

CRCPH = Capital recovery charge per hour
HAU = Hours of annual use
CRCPA = Capital recovery charge per acre
PR = Performance rate

Estimates of Returns

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

To estimate returns, a price for the commodity must be used. Individual producers must determine their own expected price for the commodity. Commodity prices used in this report represent the higher of a calculated forward contract price or the loan rate that was applicable for the 2007 crop year. Government payments for commodities are not included in the budgets except to the extent that they are included in loan rates.

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

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

Irrigation Costs

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

Enterprise Budgets

Table 1.A Estimated costs per acre
Cotton, 8R-38" solid, conservation tillage
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	2.0000	9.00	_____
App by Air (3 gal)	appl	3.50	3.5000	12.25	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.43	2.0000	4.86	_____
Ethephon 6E	pt	5.22	1.3300	6.94	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	700.0000	63.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	14.00	0.1750	2.45	_____
Potash (60% K2O)	cwt	13.00	1.4000	18.20	_____
UAN (32% N)	cwt	12.00	3.6000	43.20	_____
HERBICIDES					
2,4-D Amine 4	pt	1.72	1.0000	1.72	_____
Glyphosate Plus 4L	pt	2.35	3.4375	8.08	_____
Dual II Magnum	pt	13.43	1.0000	13.43	_____
Diuron 80%	lb	3.15	1.0000	3.15	_____
INSECTICIDES					
Temik 15G Gypsum	lb	3.33	3.5000	11.66	_____
Acephate 90%	lb	7.68	1.5200	11.67	_____
Centric 40WG	oz	5.04	2.0000	10.08	_____
Karate Z	oz	3.10	2.0000	6.20	_____
Bidrin 8L	oz	0.84	8.0000	6.72	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BtRR	thous	0.46	52.5000	24.15	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	49.00	1.0000	49.00	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.47	12.0000	5.64	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	5.00	1.0000	5.00	_____
ERADICATION FEE					
Eradication Zone 4	acre	10.50	1.0000	10.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	1.1322	11.54	_____
Self-Propelled	hour	10.21	0.3106	3.17	_____
HAND LABOR					
Implements	hour	7.31	0.4491	3.27	_____
Self-Propelled	hour	7.31	0.2842	2.06	_____
UNALLOCATED LABOR	hour	10.20	1.1543	11.78	_____
DIESEL FUEL					
Tractors	gal	2.33	11.0733	25.79	_____
Self-Propelled	gal	2.33	5.1885	12.08	_____
REPAIR & MAINTENANCE					
Implements	acre	8.77	1.0000	8.77	_____
Tractors	acre	4.22	1.0000	4.22	_____
Self-Propelled	acre	13.01	1.0000	13.01	_____
INTEREST ON OP. CAP.	acre	15.58	1.0000	15.58	_____

TOTAL DIRECT EXPENSES				474.75	_____
FIXED EXPENSES					
Implements	acre	18.66	1.0000	18.66	_____
Tractors	acre	32.68	1.0000	32.68	_____
Self-Propelled	acre	63.59	1.0000	63.59	_____

TOTAL FIXED EXPENSES				114.93	_____

TOTAL SPECIFIED EXPENSES				589.68	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 1.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, conservation tillage
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.71	700.0000	501.20	_____
Cotton Seed	lb	0.04	1050.0000	47.25	_____
TOTAL INCOME				548.45	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	21.25	1.0000	21.25	_____
HARVEST AIDS	acre	15.38	1.0000	15.38	_____
GINNING	acre	63.00	1.0000	63.00	_____
FERTILIZERS	acre	63.85	1.0000	63.85	_____
HERBICIDES	acre	26.38	1.0000	26.38	_____
INSECTICIDES	acre	52.33	1.0000	52.33	_____
SEED/PLANTS	acre	24.15	1.0000	24.15	_____
TECHNOLOGY FEE	acre	49.00	1.0000	49.00	_____
GROWTH REGULATORS	acre	5.64	1.0000	5.64	_____
CUSTOM FERTILIZE	acre	5.00	1.0000	5.00	_____
ERADICATION FEE	acre	10.50	1.0000	10.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.7333	5.33	_____
OPERATOR LABOR	hour	10.21	1.4429	14.71	_____
UNALLOCATED LABOR	hour	10.20	1.1543	11.78	_____
DIESEL FUEL	gal	2.33	16.2618	37.87	_____
REPAIR & MAINTENANCE	acre	26.00	1.0000	26.00	_____
INTEREST ON OP. CAP.	acre	15.58	1.0000	15.58	_____
TOTAL DIRECT EXPENSES				474.75	_____
RETURNS ABOVE DIRECT EXPENSES				73.70	_____
TOTAL FIXED EXPENSES				114.93	_____
TOTAL SPECIFIED EXPENSES				589.68	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-41.23	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 1.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
Paratill & Bed Fold.	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
App by Air (5 gal)	appl			1.00	Mar	1.0000				
2,4-D Amine 4	pt					1.0000				
Glyphosate Plus 4L	pt					1.3750				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Row Cond (Plant)Rdg	26'	MFWD 190	0.078	1.00	May		0.07	0.07	0.07	0.06
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed BtRR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Temik 15G Gypsum	lb					3.5000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Zone 4	acre					1.0000				
Sprayer(600-750Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Glyphosate Plus 4L	pt					1.3750				
Dual II Magnum	pt					1.0000				
Acephate 90%	lb					0.2200				
Sprayer(600-750Gal)	60'		0.017	0.50	May			0.00	0.01	0.00
Glyphosate Plus 4L	pt					0.6875				
Sprayer(600-750Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					6.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					6.0000				
Acephate 90%	lb					0.5500				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8L	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer(600-750Gal)	60'		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	700.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
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TOTALS							1.44	1.13	2.17	1.15

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 1.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	DIRECT COST FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Lime (Spread)	ton	20.00					1.75	21.75		21.75
Phosphorus(46% P2O5)	cwt	2.45					0.21	2.66		2.66
Paratill & Bed Fold.	8R-38		1.84	1.20	1.48		0.40	4.92	4.34	9.26
App by Air (5 gal)	appl	4.50					0.26	4.76		4.76
2,4-D Amine 4	pt	1.72					0.10	1.82		1.82
Glyphosate Plus 4L	pt	3.23					0.19	3.42		3.42
Disk Bed (Hipper)Rdg	8R-38		0.84	0.27	0.68		0.10	1.89	1.50	3.39
Custom Apply Fert	acre	5.00					0.29	5.29		5.29
Potash (60% K2O)	cwt	18.20					1.06	19.26		19.26
Fert Appl (Liquid)	8R-38		1.77	1.02	1.70		0.23	4.72	3.26	7.98
UAN (32% N)	cwt	21.60					1.10	22.70		22.70
Row Cond (Plant)Rdg	26'		1.79	0.48	1.44		0.16	3.87	3.25	7.12
Plant & Pre-Rigid	8R-38		1.83	1.16	2.07		0.22	5.28	4.39	9.67
Cotton Seed BtRR	thous	24.15					1.06	25.21		25.21
BG/RR Cot Tech Fee	cap/ac	49.00					2.14	51.14		51.14
Temik 15G Gypsum	lb	11.66					0.51	12.17		12.17
Insect Scouting	acre	7.00					0.31	7.31		7.31
Eradication Zone 4	acre	10.50					0.46	10.96		10.96
Sprayer(600-750Gal)	60'		0.42	0.13	0.38		0.04	0.97	1.04	2.01
Glyphosate Plus 4L	pt	3.23					0.14	3.37		3.37
Dual II Magnum	pt	13.43					0.59	14.02		14.02
Acephate 90%	lb	1.69					0.07	1.76		1.76
Sprayer(600-750Gal)	60'		0.21	0.06	0.19		0.02	0.48	0.52	1.00
Glyphosate Plus 4L	pt	1.62					0.07	1.69		1.69
Sprayer(600-750Gal)	60'		0.42	0.13	0.38		0.03	0.96	1.04	2.00
Centric 40WG	oz	10.08					0.37	10.45		10.45
Mepiquat Chloride	oz	2.82					0.10	2.92		2.92
Fert Appl (Liquid)	8R-38		1.77	1.02	1.70		0.16	4.65	3.26	7.91
UAN (32% N)	cwt	21.60					0.79	22.39		22.39
Spray (Direct/Layby)	8R-38		1.52	0.57	1.47		0.10	3.66	2.41	6.07
Diuron 80%	lb	3.15					0.09	3.24		3.24
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Mepiquat Chloride	oz	2.82					0.08	2.90		2.90
Acephate 90%	lb	4.22					0.12	4.34		4.34
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Karate Z	oz	6.20					0.18	6.38		6.38
Bidrin 8L	oz	6.72					0.20	6.92		6.92
Incidental Pest										
App by Air (3 gal)	appl	1.75					0.05	1.80		1.80
Incidental Pest Trt	acre	6.00					0.18	6.18		6.18
App by Air (3 gal)	appl	3.50					0.08	3.58		3.58
Acephate 90%	lb	5.76					0.13	5.89		5.89
App by Air (5 gal)	appl	4.50					0.07	4.57		4.57
Thidiazuron 4lb	oz	4.86					0.07	4.93		4.93
Ethephon 6E	pt	6.94					0.10	7.04		7.04
Sprayer(600-750Gal)	60'		0.21	0.06	0.19		0.01	0.47	0.52	0.99
Tribufos 6lb	pt	3.58					0.05	3.63		3.63
Cotton Picker-1st-BB	4R-38(350)		10.82	12.63	6.62		0.22	30.29	60.47	90.76
Boll Buggy-1st pick	4R-38(325)		5.87	2.63	4.74		0.10	13.34	11.74	25.08
Module Builder-1st	4R-38(325)		5.87	3.11	6.62		0.11	15.71	12.97	28.68
Gin & Haul	lb	63.00					0.46	63.46		63.46
Stalk Shredder	14'		2.69	1.53	2.16		0.05	6.43	4.22	10.65
TOTALS		363.48	37.87	26.00	31.82	0.00	15.58	474.75	114.93	589.68

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 1.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

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	548.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	8.75	3.50	4.50	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.38	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	63.00
FERTILIZERS	2.45	0.00	0.00	0.00	18.20	21.60	0.00	21.60	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	4.95	0.00	18.28	0.00	3.15	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.35	10.08	23.14	5.76	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	24.15	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	49.00	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	2.82	2.82	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	5.00	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	10.50	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	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.48	0.00	0.00	0.00	0.68	1.70	4.08	2.08	1.47	0.00	0.19	20.14
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.84	0.00	0.00	0.00	0.84	1.77	4.25	2.19	1.52	0.00	0.21	25.25
REPAIR & MAINTENANCE	1.20	0.00	0.00	0.00	0.27	1.02	1.83	1.15	0.57	0.00	0.06	19.90
INTEREST ON OP. CAP.	2.36	0.00	0.00	0.00	2.00	1.33	5.79	1.45	1.20	0.21	0.30	0.94
TOTAL DIRECT EXPENSES	29.33	0.00	0.00	0.00	36.44	27.42	138.23	41.37	42.62	9.47	20.64	129.23
NET INCOME	-29.33	0.00	0.00	0.00	-36.44	-27.42	-138.23	-41.37	-42.62	-9.47	-20.64	419.22
NET INCOME TO DATE	-29.33	-29.33	-29.33	-29.33	-65.77	-93.19	-231.42	-272.79	-315.41	-324.88	-345.52	73.70

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
* Lease costs are based on hourly usage costs.

Table 1.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, conservation tillage
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.53	0.57	0.60	0.64	0.68	0.71	0.75	0.78	0.82	0.85	0.89
PERCENT	YIELD	UNIT	dollars										
50	350.00	lb	-207	-195	-182	-170	-157	-145	-132	-120	-107	-95	-82
			-322	-310	-297	-285	-272	-260	-247	-235	-222	-209	-197
60	420.00	lb	-176	-161	-146	-131	-116	-101	-86	-71	-56	-41	-26
			-291	-276	-261	-246	-231	-216	-201	-186	-171	-156	-141
70	490.00	lb	-145	-127	-110	-92	-75	-57	-40	-22	-4	12	30
			-260	-242	-225	-207	-190	-172	-155	-137	-119	-102	-84
80	560.00	lb	-114	-94	-73	-53	-33	-13	6	26	46	66	86
			-229	-208	-188	-168	-148	-128	-108	-88	-68	-48	-28
90	630.00	lb	-82	-60	-37	-15	7	29	52	75	97	120	142
			-197	-175	-152	-130	-107	-85	-62	-39	-17	5	27
100	700.00	lb	-51	-26	-1	23	48	73	98	123	148	173	199
			-166	-141	-116	-91	-66	-41	-16	8	33	59	84
110	770.00	lb	-20	7	34	62	89	117	145	172	200	227	255
			-135	-107	-80	-52	-25	2	30	57	85	112	140
120	840.00	lb	10	40	71	101	131	161	191	221	251	281	311
			-104	-73	-43	-13	16	46	76	106	136	166	196
130	910.00	lb	42	74	107	139	172	205	237	270	302	335	367
			-72	-40	-7	24	57	90	122	155	187	220	252
140	980.00	lb	73	108	143	178	213	248	283	318	354	389	424
			-41	-6	28	63	98	133	168	204	239	274	309
150	1050.00	lb	104	142	179	217	254	292	330	367	405	442	480
			-10	27	64	102	140	177	215	252	290	328	365

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 2007 input prices.

Table 2.A Estimated costs per acre
Cotton, 8R-38" solid, conservation tillage
BGII/Flex variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	2.0000	9.00	_____
App by Air (3 gal)	appl	3.50	3.2500	11.38	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.43	2.0000	4.86	_____
Ethephon 6E	pt	5.22	1.3300	6.94	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	700.0000	63.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	14.00	0.1750	2.45	_____
Potash (60% K2O)	cwt	13.00	1.4000	18.20	_____
UAN (32% N)	cwt	12.00	3.6000	43.20	_____
HERBICIDES					
2,4-D Amine 4	pt	1.72	1.0000	1.72	_____
Glyphosate Plus 4L	pt	2.35	5.5000	12.93	_____
Dual II Magnum	pt	13.43	1.0000	13.43	_____
Diuron 80%	lb	3.15	1.0000	3.15	_____
INSECTICIDES					
Temik 15G Gypsum	lb	3.33	3.5000	11.66	_____
Acephate 90%	lb	7.68	1.5200	11.67	_____
Centric 40WG	oz	5.04	2.0000	10.08	_____
Karate Z	oz	3.10	0.5000	1.55	_____
Bidrin 8L	oz	0.84	2.0000	1.68	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed BtRR	thous	0.46	52.5000	24.15	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	49.00	1.0000	49.00	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.47	12.0000	5.64	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	5.00	1.0000	5.00	_____
ERADICATION FEE					
Eradication Zone 4	acre	10.50	1.0000	10.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	1.1322	11.54	_____
Self-Propelled	hour	10.21	0.3194	3.26	_____
HAND LABOR					
Implements	hour	7.31	0.4491	3.27	_____
Self-Propelled	hour	7.31	0.2886	2.09	_____
UNALLOCATED LABOR	hour	10.20	1.1614	11.85	_____
DIESEL FUEL					
Tractors	gal	2.33	11.0733	25.79	_____
Self-Propelled	gal	2.33	5.2792	12.29	_____
REPAIR & MAINTENANCE					
Implements	acre	8.77	1.0000	8.77	_____
Tractors	acre	4.22	1.0000	4.22	_____
Self-Propelled	acre	13.08	1.0000	13.08	_____
INTEREST ON OP. CAP.	acre	15.66	1.0000	15.66	_____

TOTAL DIRECT EXPENSES				475.58	_____
FIXED EXPENSES					
Implements	acre	18.66	1.0000	18.66	_____
Tractors	acre	32.68	1.0000	32.68	_____
Self-Propelled	acre	64.11	1.0000	64.11	_____

TOTAL FIXED EXPENSES				115.45	_____

TOTAL SPECIFIED EXPENSES				591.03	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 2.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, conservation tillage
BGII/Flex variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.71	700.0000	501.20	_____
Cotton Seed	lb	0.04	1050.0000	47.25	_____
TOTAL INCOME				548.45	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	20.38	1.0000	20.38	_____
HARVEST AIDS	acre	15.38	1.0000	15.38	_____
GINNING	acre	63.00	1.0000	63.00	_____
FERTILIZERS	acre	63.85	1.0000	63.85	_____
HERBICIDES	acre	31.22	1.0000	31.22	_____
INSECTICIDES	acre	48.64	1.0000	48.64	_____
SEED/PLANTS	acre	24.15	1.0000	24.15	_____
TECHNOLOGY FEE	acre	49.00	1.0000	49.00	_____
GROWTH REGULATORS	acre	5.64	1.0000	5.64	_____
CUSTOM FERTILIZE	acre	5.00	1.0000	5.00	_____
ERADICATION FEE	acre	10.50	1.0000	10.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.7377	5.36	_____
OPERATOR LABOR	hour	10.21	1.4517	14.80	_____
UNALLOCATED LABOR	hour	10.20	1.1614	11.85	_____
DIESEL FUEL	gal	2.33	16.3525	38.08	_____
REPAIR & MAINTENANCE	acre	26.07	1.0000	26.07	_____
INTEREST ON OP. CAP.	acre	15.66	1.0000	15.66	_____
TOTAL DIRECT EXPENSES				475.58	_____
RETURNS ABOVE DIRECT EXPENSES				72.87	_____
TOTAL FIXED EXPENSES				115.45	_____
TOTAL SPECIFIED EXPENSES				591.03	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-42.58	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 2.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
BGII/Flex variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
Paratill & Bed Fold.	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
App by Air (5 gal)	appl			1.00	Mar	1.0000				
2,4-D Amine 4	pt					1.0000				
Glyphosate Plus 4L	pt					1.3750				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Row Cond (Plant)Rdg	26'	MFWD 190	0.078	1.00	May		0.07	0.07	0.07	0.06
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed BtRR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Temik 15G Gypsum	lb					3.5000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Zone 4	acre					1.0000				
Sprayer(600-750Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Glyphosate Plus 4L	pt					1.3750				
Dual II Magnum	pt					1.0000				
Acephate 90%	lb					0.2200				
Sprayer(600-750Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Glyphosate Plus 4L	pt					1.3750				
Sprayer(600-750Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					6.0000				
Glyphosate Plus 4L	pt					1.3750				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					6.0000				
Acephate 90%	lb					0.5500				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
Karate Z	oz					0.5000				
Bidrin 8L	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'		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	700.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.45	1.13	2.18	1.16

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 2.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
BGII/Flex variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Lime (Spread)	ton	20.00					1.75	21.75		21.75
Phosphorus(46% P2O5)	cwt	2.45					0.21	2.66		2.66
Paratill & Bed Fold.	8R-38		1.84	1.20	1.48		0.40	4.92	4.34	9.26
App by Air (5 gal)	appl	4.50					0.26	4.76		4.76
2,4-D Amine 4	pt	1.72					0.10	1.82		1.82
Glyphosate Plus 4L	pt	3.23					0.19	3.42		3.42
Disk Bed (Hipper)Rdg	8R-38		0.84	0.27	0.68		0.10	1.89	1.50	3.39
Custom Apply Fert	acre	5.00					0.29	5.29		5.29
Potash (60% K2O)	cwt	18.20					1.06	19.26		19.26
Fert Appl (Liquid)	8R-38		1.77	1.02	1.70		0.23	4.72	3.26	7.98
UAN (32% N)	cwt	21.60					1.10	22.70		22.70
Row Cond (Plant)Rdg	26'		1.79	0.48	1.44		0.16	3.87	3.25	7.12
Plant & Pre-Rigid	8R-38		1.83	1.16	2.07		0.22	5.28	4.39	9.67
Cotton Seed BtRR	thous	24.15					1.06	25.21		25.21
BG/RR Cot Tech Fee	cap/ac	49.00					2.14	51.14		51.14
Temik 15G Gypsum	lb	11.66					0.51	12.17		12.17
Insect Scouting	acre	7.00					0.31	7.31		7.31
Eradication Zone 4	acre	10.50					0.46	10.96		10.96
Sprayer(600-750Gal)	60'		0.42	0.13	0.38		0.04	0.97	1.04	2.01
Glyphosate Plus 4L	pt	3.23					0.14	3.37		3.37
Dual II Magnum	pt	13.43					0.59	14.02		14.02
Acephate 90%	lb	1.69					0.07	1.76		1.76
Sprayer(600-750Gal)	60'		0.42	0.13	0.38		0.04	0.97	1.04	2.01
Glyphosate Plus 4L	pt	3.23					0.14	3.37		3.37
Sprayer(600-750Gal)	60'		0.42	0.13	0.38		0.03	0.96	1.04	2.00
Centric 40WG	oz	10.08					0.37	10.45		10.45
Mepiquat Chloride	oz	2.82					0.10	2.92		2.92
Glyphosate Plus 4L	pt	3.23					0.12	3.35		3.35
Fert Appl (Liquid)	8R-38		1.77	1.02	1.70		0.16	4.65	3.26	7.91
UAN (32% N)	cwt	21.60					0.79	22.39		22.39
Spray (Direct/Layby)	8R-38		1.52	0.57	1.47		0.10	3.66	2.41	6.07
Diuron 80%	lb	3.15					0.09	3.24		3.24
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Mepiquat Chloride	oz	2.82					0.08	2.90		2.90
Acephate 90%	lb	4.22					0.12	4.34		4.34
App by Air (3 gal)	appl	0.88					0.03	0.91		0.91
Karate Z	oz	1.55					0.05	1.60		1.60
Bidrin 8L	oz	1.68					0.05	1.73		1.73
Incidental Pest										
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Incidental Pest Trt	acre	12.00					0.35	12.35		12.35
App by Air (3 gal)	appl	3.50					0.08	3.58		3.58
Acephate 90%	lb	5.76					0.13	5.89		5.89
App by Air (5 gal)	appl	4.50					0.07	4.57		4.57
Thidiazuron 4lb	oz	4.86					0.07	4.93		4.93
Ethephon 6E	pt	6.94					0.10	7.04		7.04
Sprayer(600-750Gal)	60'		0.21	0.06	0.19		0.01	0.47	0.52	0.99
Tribufos 6lb	pt	3.58					0.05	3.63		3.63
Cotton Picker-1st-BB	4R-38(350)		10.82	12.63	6.62		0.22	30.29	60.47	90.76
Boll Buggy-1st pick	4R-38(325)		5.87	2.63	4.74		0.10	13.34	11.74	25.08
Module Builder-1st	4R-38(325)		5.87	3.11	6.62		0.11	15.71	12.97	28.68
Gin & Haul	lb	63.00					0.46	63.46		63.46
Stalk Shredder	14'		2.69	1.53	2.16		0.05	6.43	4.22	10.65
TOTALS		363.76	38.08	26.07	32.01	0.00	15.66	475.58	115.45	591.03

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 2.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
BGII/Flex variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

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	548.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	7.88	3.50	4.50	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.38	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	63.00
FERTILIZERS	2.45	0.00	0.00	0.00	18.20	21.60	0.00	21.60	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	4.95	0.00	19.89	3.23	3.15	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.35	10.08	19.45	5.76	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	24.15	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	49.00	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	2.82	2.82	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	5.00	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	10.50	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	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.48	0.00	0.00	0.00	0.68	1.70	4.27	2.08	1.47	0.00	0.19	20.14
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.84	0.00	0.00	0.00	0.84	1.77	4.46	2.19	1.52	0.00	0.21	25.25
REPAIR & MAINTENANCE	1.20	0.00	0.00	0.00	0.27	1.02	1.90	1.15	0.57	0.00	0.06	19.90
INTEREST ON OP. CAP.	2.36	0.00	0.00	0.00	2.00	1.33	5.88	1.57	1.07	0.21	0.30	0.94
TOTAL DIRECT EXPENSES	29.33	0.00	0.00	0.00	36.44	27.42	140.40	44.72	37.93	9.47	20.64	129.23
NET INCOME	-29.33	0.00	0.00	0.00	-36.44	-27.42	-140.40	-44.72	-37.93	-9.47	-20.64	419.22
NET INCOME TO DATE	-29.33	-29.33	-29.33	-29.33	-65.77	-93.19	-233.59	-278.31	-316.24	-325.71	-346.35	72.87

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
* Lease costs are based on hourly usage costs.

Table 2.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, conservation tillage
BGII/Flex variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.53	0.57	0.60	0.64	0.68	0.71	0.75	0.78	0.82	0.85	0.89
PERCENT	YIELD	UNIT	dollars										
50	350.00	lb	-208	-196	-183	-171	-158	-146	-133	-120	-108	-95	-83
			-324	-311	-299	-286	-273	-261	-248	-236	-223	-211	-198
60	420.00	lb	-177	-162	-147	-132	-117	-102	-87	-72	-57	-42	-27
			-292	-277	-262	-247	-232	-217	-202	-187	-172	-157	-142
70	490.00	lb	-146	-128	-111	-93	-75	-58	-40	-23	-5	11	29
			-261	-244	-226	-208	-191	-173	-156	-138	-121	-103	-86
80	560.00	lb	-114	-94	-74	-54	-34	-14	5	25	45	65	85
			-230	-210	-190	-170	-150	-130	-110	-90	-69	-49	-29
90	630.00	lb	-83	-61	-38	-16	6	29	51	74	96	119	141
			-199	-176	-154	-131	-108	-86	-63	-41	-18	3	26
100	700.00	lb	-52	-27	-2	22	47	72	97	122	148	173	198
			-167	-142	-117	-92	-67	-42	-17	7	32	57	82
110	770.00	lb	-21	6	33	61	89	116	144	171	199	226	254
			-136	-109	-81	-53	-26	1	28	56	83	111	139
120	840.00	lb	10	40	70	100	130	160	190	220	250	280	310
			-105	-75	-45	-15	14	44	75	105	135	165	195
130	910.00	lb	41	73	106	139	171	204	236	269	301	334	367
			-74	-41	-8	23	56	88	121	153	186	219	251
140	980.00	lb	72	107	142	177	212	247	283	318	353	388	423
			-42	-7	27	62	97	132	167	202	237	272	307
150	1050.00	lb	103	141	178	216	254	291	329	366	404	442	479
			-11	25	63	101	138	176	213	251	289	326	364

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 2007 input prices.

Table 3.A Estimated costs per acre
Cotton, 8R-38" solid, no-till
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	2.0000	9.00	_____
App by Air (3 gal)	appl	3.50	3.5000	12.25	_____
HARVEST AIDS					
Thidiazuron 4lb	oz	2.43	2.0000	4.86	_____
Ethephon 6E	pt	5.22	1.3300	6.94	_____
Tribufos 6lb	pt	7.15	0.5000	3.58	_____
GINNING					
Gin & Haul	lb	0.09	700.0000	63.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	14.00	0.1750	2.45	_____
Amm Nitrate (34% N)	cwt	16.00	1.8000	28.80	_____
Potash (60% K2O)	cwt	13.00	1.4000	18.20	_____
UAN (32% N)	cwt	12.00	1.8000	21.60	_____
HERBICIDES					
2,4-D Amine 4	pt	1.72	1.0000	1.72	_____
Glyphosate Plus 4L	pt	2.35	3.4375	8.08	_____
Dual II Magnum	pt	13.43	1.0000	13.43	_____
Diuron 80%	lb	3.15	1.0000	3.15	_____
INSECTICIDES					
Temik 15G Gypsum	lb	3.33	3.5000	11.66	_____
Acephate 90%	lb	7.68	1.5200	11.67	_____
Centric 40WG	oz	5.04	2.0000	10.08	_____
Karate Z	oz	3.10	2.0000	6.20	_____
Bidrin 8L	oz	0.84	8.0000	6.72	_____
Incidental Pest Trt	acre	12.00	0.5000	6.00	_____
SEED/PLANTS					
Cotton Seed BtRR	thous	0.46	52.5000	24.15	_____
TECHNOLOGY FEE					
BG/RR Cot Tech Fee	cap/ac	49.00	1.0000	49.00	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.47	12.0000	5.64	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	5.00	1.0000	5.00	_____
ERADICATION FEE					
Eradication Zone 4	acre	10.50	1.0000	10.50	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.9401	9.58	_____
Self-Propelled	hour	10.21	0.3106	3.17	_____
HAND LABOR					
Implements	hour	7.31	0.4136	3.01	_____
Self-Propelled	hour	7.31	0.2842	2.06	_____
UNALLOCATED LABOR	hour	10.20	1.0006	10.21	_____
DIESEL FUEL					
Tractors	gal	2.33	9.1944	21.42	_____
Self-Propelled	gal	2.33	5.1885	12.08	_____
REPAIR & MAINTENANCE					
Implements	acre	7.16	1.0000	7.16	_____
Tractors	acre	3.50	1.0000	3.50	_____
Self-Propelled	acre	13.01	1.0000	13.01	_____
INTEREST ON OP. CAP.	acre	15.49	1.0000	15.49	_____

TOTAL DIRECT EXPENSES				471.37	_____
FIXED EXPENSES					
Implements	acre	15.57	1.0000	15.57	_____
Tractors	acre	27.13	1.0000	27.13	_____
Self-Propelled	acre	63.59	1.0000	63.59	_____

TOTAL FIXED EXPENSES				106.29	_____

TOTAL SPECIFIED EXPENSES				577.66	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 3.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, no-till
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.71	700.0000	501.20	
Cotton Seed	lb	0.04	1050.0000	47.25	
TOTAL INCOME				548.45	
DIRECT EXPENSES					
CUSTOM SPRAY	acre	21.25	1.0000	21.25	
HARVEST AIDS	acre	15.38	1.0000	15.38	
GINNING	acre	63.00	1.0000	63.00	
FERTILIZERS	acre	71.05	1.0000	71.05	
HERBICIDES	acre	26.38	1.0000	26.38	
INSECTICIDES	acre	52.33	1.0000	52.33	
SEED/PLANTS	acre	24.15	1.0000	24.15	
TECHNOLOGY FEE	acre	49.00	1.0000	49.00	
GROWTH REGULATORS	acre	5.64	1.0000	5.64	
CUSTOM FERTILIZE	acre	5.00	1.0000	5.00	
ERADICATION FEE	acre	10.50	1.0000	10.50	
INSECT SCOUTING	acre	7.00	1.0000	7.00	
CUSTOM LIME	acre	20.00	1.0000	20.00	
HAND LABOR	hour	7.31	0.6978	5.07	
OPERATOR LABOR	hour	10.21	1.2508	12.75	
UNALLOCATED LABOR	hour	10.20	1.0006	10.21	
DIESEL FUEL	gal	2.33	14.3829	33.50	
REPAIR & MAINTENANCE	acre	23.67	1.0000	23.67	
INTEREST ON OP. CAP.	acre	15.49	1.0000	15.49	
TOTAL DIRECT EXPENSES				471.37	
RETURNS ABOVE DIRECT EXPENSES				77.08	
TOTAL FIXED EXPENSES				106.29	
TOTAL SPECIFIED EXPENSES				577.66	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-29.21	

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 3.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, no-till
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
2,4-D Amine 4	pt					1.0000				
Glyphosate Plus 4L	pt					1.3750				
Custom Apply Fert	acre			1.00	Mar	1.0000				
Amm Nitrate (34% N)	cwt					1.8000				
Potash (60% K2O)	cwt					1.4000				
Row Cond (Plant)Rdg	26'	MFWD 190	0.078	1.00	May		0.07	0.07	0.07	0.06
NT Plant&Pre-Rigid	8R-38	MFWD 190	0.083	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed BtRR	thous					52.5000				
BG/RR Cot Tech Fee	cap/ac					1.0000				
Temik 15G Gypsum	lb					3.5000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Zone 4	acre					1.0000				
Sprayer(600-750Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Glyphosate Plus 4L	pt					1.3750				
Dual II Magnum	pt					1.0000				
Acephate 90%	lb					0.2200				
Sprayer(600-750Gal)	60'		0.017	0.50	May			0.00	0.01	0.00
Glyphosate Plus 4L	pt					0.6875				
Sprayer(600-750Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					6.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Diuron 80%	lb					1.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					6.0000				
Acephate 90%	lb					0.5500				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8L	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer(600-750Gal)	60'		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	700.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.25	0.94	1.94	1.00

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 3.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, no-till
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
		dollars								
Lime (Spread)	ton	20.00					1.75	21.75		21.75
Phosphorus(46% P2O5)	cwt	2.45					0.21	2.66		2.66
App by Air (5 gal)	appl	4.50					0.26	4.76		4.76
2,4-D Amine 4	pt	1.72					0.10	1.82		1.82
Glyphosate Plus 4L	pt	3.23					0.19	3.42		3.42
Custom Apply Fert	acre	5.00					0.29	5.29		5.29
Amm Nitrate (34% N)	cwt	28.80					1.68	30.48		30.48
Potash (60% K2O)	cwt	18.20					1.06	19.26		19.26
Row Cond (Plant)Rdg	26'		1.79	0.48	1.44		0.16	3.87	3.25	7.12
NT Plant&Pre-Rigid	8R-38		1.91	1.32	2.14		0.23	5.60	4.85	10.45
Cotton Seed BtRR	thous	24.15					1.06	25.21		25.21
BG/RR Cot Tech Fee	cap/ac	49.00					2.14	51.14		51.14
Temik 15G Gypsum	lb	11.66					0.51	12.17		12.17
Insect Scouting	acre	7.00					0.31	7.31		7.31
Eradication Zone 4	acre	10.50					0.46	10.96		10.96
Sprayer(600-750Gal)	60'		0.42	0.13	0.38		0.04	0.97	1.04	2.01
Glyphosate Plus 4L	pt	3.23					0.14	3.37		3.37
Dual II Magnum	pt	13.43					0.59	14.02		14.02
Acephate 90%	lb	1.69					0.07	1.76		1.76
Sprayer(600-750Gal)	60'		0.21	0.06	0.19		0.02	0.48	0.52	1.00
Glyphosate Plus 4L	pt	1.62					0.07	1.69		1.69
Sprayer(600-750Gal)	60'		0.42	0.13	0.38		0.03	0.96	1.04	2.00
Centric 40WG	oz	10.08					0.37	10.45		10.45
Mepiquat Chloride	oz	2.82					0.10	2.92		2.92
Fert Appl (Liquid)	8R-38		1.77	1.02	1.70		0.16	4.65	3.26	7.91
UAN (32% N)	cwt	21.60					0.79	22.39		22.39
Spray (Direct/Layby)	8R-38		1.52	0.57	1.47		0.13	3.69	2.41	6.10
Diuron 80%	lb	3.15					0.11	3.26		3.26
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Mepiquat Chloride	oz	2.82					0.08	2.90		2.90
Acephate 90%	lb	4.22					0.12	4.34		4.34
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Karate Z	oz	6.20					0.18	6.38		6.38
Bidrin 8L	oz	6.72					0.20	6.92		6.92
Incidental Pest										
App by Air (3 gal)	appl	1.75					0.05	1.80		1.80
Incidental Pest Trt	acre	6.00					0.18	6.18		6.18
App by Air (3 gal)	appl	3.50					0.08	3.58		3.58
Acephate 90%	lb	5.76					0.13	5.89		5.89
App by Air (5 gal)	appl	4.50					0.07	4.57		4.57
Thidiazuron 4lb	oz	4.86					0.07	4.93		4.93
Ethephon 6E	pt	6.94					0.10	7.04		7.04
Sprayer(600-750Gal)	60'		0.21	0.06	0.19		0.01	0.47	0.52	0.99
Tribufos 6lb	pt	3.58					0.05	3.63		3.63
Cotton Picker-1st-BB	4R-38(350)		10.82	12.63	6.62		0.22	30.29	60.47	90.76
Boll Buggy-1st pick	4R-38(325)		5.87	2.63	4.74		0.10	13.34	11.74	25.08
Module Builder-1st	4R-38(325)		5.87	3.11	6.62		0.11	15.71	12.97	28.68
Gin & Haul	lb	63.00					0.46	63.46		63.46
Stalk Shredder	14'		2.69	1.53	2.16		0.05	6.43	4.22	10.65
TOTALS		370.68	33.50	23.67	28.03	0.00	15.49	471.37	106.29	577.66

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 3.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, no-till
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

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	548.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	8.75	3.50	4.50	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.38	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	63.00
FERTILIZERS	2.45	0.00	0.00	0.00	47.00	0.00	0.00	21.60	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	4.95	0.00	18.28	3.15	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.35	10.08	23.14	5.76	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	24.15	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	49.00	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	2.82	2.82	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	5.00	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	10.50	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	20.00	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	4.15	3.55	0.00	0.00	0.19	20.14
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	4.33	3.71	0.00	0.00	0.21	25.25
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	1.99	1.72	0.00	0.00	0.06	19.90
INTEREST ON OP. CAP.	1.96	0.00	0.00	0.00	3.58	0.00	5.80	1.69	1.01	0.21	0.30	0.94
TOTAL DIRECT EXPENSES	24.41	0.00	0.00	0.00	65.03	0.00	138.55	48.32	35.72	9.47	20.64	129.23
NET INCOME	-24.41	0.00	0.00	0.00	-65.03	0.00	-138.55	-48.32	-35.72	-9.47	-20.64	419.22
NET INCOME TO DATE	-24.41	-24.41	-24.41	-24.41	-89.44	-89.44	-227.99	-276.31	-312.03	-321.50	-342.14	77.08

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, no-till
BtRR variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.53	0.57	0.60	0.64	0.68	0.71	0.75	0.78	0.82	0.85	0.89
PERCENT	YIELD	UNIT	dollars										
50	350.00	lb	-204	-191	-179	-166	-154	-141	-129	-116	-104	-91	-79
			-310	-298	-285	-273	-260	-248	-235	-223	-210	-197	-185
60	420.00	lb	-173	-158	-143	-128	-113	-98	-82	-67	-52	-37	-22
			-279	-264	-249	-234	-219	-204	-189	-174	-159	-144	-129
70	490.00	lb	-141	-124	-106	-89	-71	-54	-36	-19	-1	15	33
			-248	-230	-213	-195	-178	-160	-142	-125	-107	-90	-72
80	560.00	lb	-110	-90	-70	-50	-30	-10	9	29	49	69	89
			-216	-196	-176	-156	-136	-116	-96	-76	-56	-36	-16
90	630.00	lb	-79	-56	-34	-11	10	33	55	78	100	123	146
			-185	-163	-140	-118	-95	-72	-50	-27	-5	17	39
100	700.00	lb	-48	-23	1	26	52	77	102	127	152	177	202
			-154	-129	-104	-79	-54	-29	-4	20	45	71	96
110	770.00	lb	-16	10	38	65	93	120	148	175	203	231	258
			-123	-95	-68	-40	-13	14	42	69	97	124	152
120	840.00	lb	14	44	74	104	134	164	194	224	254	284	314
			-92	-61	-31	-1	28	58	88	118	148	178	208
130	910.00	lb	45	78	110	143	175	208	240	273	306	338	371
			-60	-28	4	36	69	102	134	167	199	232	265
140	980.00	lb	76	111	146	182	217	252	287	322	357	392	427
			-29	5	40	75	110	145	180	216	251	286	321
150	1050.00	lb	108	145	183	220	258	295	333	371	408	446	483
			1	39	76	114	152	189	227	264	302	340	377

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 2007 input prices.

Table 4.A Estimated costs per acre
Cotton, 8R-38" solid, conventional tillage
Non-transgenic variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (3 gal)	appl	3.50	5.5000	19.25	
App by Air (5 gal)	appl	4.50	1.0000	4.50	
HARVEST AIDS					
Thidiazuron 4lb	oz	2.43	2.0000	4.86	
Ethephon 6E	pt	5.22	1.3300	6.94	
Tribufos 6lb	pt	7.15	0.5000	3.58	
GINNING					
Gin & Haul	lb	0.09	700.0000	63.00	
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	14.00	0.1750	2.45	
Potash (60% K2O)	cwt	13.00	1.4000	18.20	
UAN (32% N)	cwt	12.00	3.6000	43.20	
HERBICIDES					
Treflan HFP	pt	2.35	1.0000	2.35	
Staple	oz	18.97	0.6000	11.38	
Suprend	lb	10.17	1.5000	15.26	
MSMA6 + Surfactant	pt	1.98	1.3300	2.63	
Select 2EC	oz	1.35	2.4000	3.24	
Layby Pro	qt	9.04	1.0000	9.04	
Diuron 80%	lb	3.15	1.0000	3.15	
INSECTICIDES					
Temik 15G Gypsum	lb	3.33	3.5000	11.66	
Acephate 90%	lb	7.68	1.5200	11.67	
Centric 40WG	oz	5.04	2.0000	10.08	
Tracer	oz	6.38	5.1120	32.61	
Karate Z	oz	3.10	6.0000	18.60	
Bidrin 8L	oz	0.84	8.0000	6.72	
Incidental Pest Trt	acre	12.00	0.5000	6.00	
SEED/PLANTS					
Cotton Seed Conv.	thous	0.39	52.5000	20.48	
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.47	12.0000	5.64	
ADJUVANTS					
Surfactant	pt	1.55	0.2600	0.40	
CUSTOM FERTILIZE					
Custom Apply Fert	acre	5.00	1.0000	5.00	
ERADICATION FEE					
Eradication Zone 4	acre	10.50	1.0000	10.50	
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	
OPERATOR LABOR					
Tractors	hour	10.21	1.6050	16.39	
Self-Propelled	hour	10.21	0.2912	2.97	
HAND LABOR					
Implements	hour	7.31	0.5818	4.25	
Self-Propelled	hour	7.31	0.2745	2.00	
UNALLOCATED LABOR	hour	10.21	1.5170	15.49	
DIESEL FUEL					
Tractors	gal	2.33	15.6969	36.56	
Self-Propelled	gal	2.33	4.9888	11.62	
REPAIR & MAINTENANCE					
Implements	acre	10.60	1.0000	10.60	
Tractors	acre	5.97	1.0000	5.97	
Self-Propelled	acre	12.87	1.0000	12.87	
INTEREST ON OP. CAP.	acre	16.24	1.0000	16.24	

TOTAL DIRECT EXPENSES				514.36	
FIXED EXPENSES					
Implements	acre	25.44	1.0000	25.44	
Tractors	acre	46.32	1.0000	46.32	
Self-Propelled	acre	62.44	1.0000	62.44	

TOTAL FIXED EXPENSES				134.20	

TOTAL SPECIFIED EXPENSES				648.56	

Note: Cost of production estimates are based on 2007 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, conventional tillage
Non-transgenic variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.71	700.0000	501.20	_____
Cotton Seed	lb	0.04	1050.0000	47.25	_____
TOTAL INCOME				548.45	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	23.75	1.0000	23.75	_____
HARVEST AIDS	acre	15.38	1.0000	15.38	_____
GINNING	acre	63.00	1.0000	63.00	_____
FERTILIZERS	acre	63.85	1.0000	63.85	_____
HERBICIDES	acre	47.05	1.0000	47.05	_____
INSECTICIDES	acre	97.35	1.0000	97.35	_____
SEED/PLANTS	acre	20.48	1.0000	20.48	_____
GROWTH REGULATORS	acre	5.64	1.0000	5.64	_____
ADJUVANTS	acre	0.40	1.0000	0.40	_____
CUSTOM FERTILIZE	acre	5.00	1.0000	5.00	_____
ERADICATION FEE	acre	10.50	1.0000	10.50	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.8564	6.25	_____
OPERATOR LABOR	hour	10.21	1.8963	19.36	_____
UNALLOCATED LABOR	hour	10.21	1.5170	15.49	_____
DIESEL FUEL	gal	2.33	20.6858	48.18	_____
REPAIR & MAINTENANCE	acre	29.44	1.0000	29.44	_____
INTEREST ON OP. CAP.	acre	16.24	1.0000	16.24	_____
TOTAL DIRECT EXPENSES				514.36	_____
RETURNS ABOVE DIRECT EXPENSES				34.09	_____
TOTAL FIXED EXPENSES				134.20	_____
TOTAL SPECIFIED EXPENSES				648.56	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-100.11	_____

Note: Cost of production estimates are based on 2007 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, conventional tillage
Non-transgenic variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1750				
Subsoiler	3 shank	MFWD 190	0.204	1.00	Nov		0.20	0.20	0.20	0.16
Disk & Incorporate	32'	MFWD 190	0.065	1.00	Mar		0.06	0.06	0.09	0.05
Treflan HFP	pt					1.0000				
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
Field Cultivate Fld	32'	MFWD 190	0.046	1.00	Mar		0.04	0.04	0.04	0.03
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				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Apr		0.07	0.07	0.07	0.05
Row Cond (Plant)Rdg	26'	MFWD 190	0.078	1.00	May		0.07	0.07	0.07	0.06
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed Conv.	thous					52.5000				
Temik 15G Gypsum	lb					3.5000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication Zone 4	acre					1.0000				
Cult & Post	8R-38	MFWD 190	0.086	1.00	May		0.08	0.08	0.13	0.06
Staple	oz					0.6000				
Surfactant	pt					0.2000				
Acephate 90%	lb					0.2200				
Sprayer(600-750Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					6.0000				
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				
Cult & Post	8R-38	MFWD 190	0.086	1.00	Jun		0.08	0.08	0.13	0.06
Suprend	lb					1.5000				
MSMA6 + Surfactant	pt					1.3300				
Sprayer(600-750Gal)	60'		0.017	0.40	Jun			0.00	0.01	0.00
Tracer	oz					0.8520				
Cult & Post	8R-38	MFWD 190	0.086	0.30	Jul		0.02	0.02	0.03	0.02
Select 2EC	oz					2.4000				
Surfactant	pt					0.0600				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Layby Pro	qt					1.0000				
Diuron 80%	lb					1.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Mepiquat Chloride	oz					6.0000				
Acephate 90%	lb					0.5500				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Bidrin 8L	oz					8.0000				
Incidental Pest				0.50	Jul					
App by Air (3 gal)	appl					0.5000				
Incidental Pest Trt	acre					0.5000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Karate Z	oz					2.0000				
Tracer	oz					2.1300				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Tracer	oz					2.1300				
Karate Z	oz					2.0000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer(600-750Gal)	60'		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker-1st-BB	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy-1st pick	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder-1st	4R-38(325)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	700.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.89	1.60	2.75	1.51

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 4.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conventional tillage
Non-transgenic variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
		dollars								
Lime (Spread)	ton	20.00					1.75	21.75		21.75
Phosphorus(46% P2O5)	cwt	2.45					0.21	2.66		2.66
Subsoiler	3 shank		4.66	1.05	3.76		0.83	10.30	6.83	17.13
Disk & Incorporate	32'		1.49	1.03	1.44		0.23	4.19	3.64	7.83
Treflan HFP	pt	2.35					0.14	2.49		2.49
Custom Apply Fert	acre	5.00					0.29	5.29		5.29
Potash (60% K2O)	cwt	18.20					1.06	19.26		19.26
Field Cultivate Fld	32'		1.06	0.50	0.86		0.14	2.56	3.09	5.65
Fert Appl (Liquid)	8R-38		1.77	1.02	1.70		0.23	4.72	3.26	7.98
UAN (32% N)	cwt	21.60					1.10	22.70		22.70
Disk Bed (Hipper)Rdg	8R-38		1.69	0.54	1.37		0.18	3.78	3.00	6.78
Row Cond (Plant)Rdg	26'		1.79	0.48	1.44		0.16	3.87	3.25	7.12
Plant & Pre-Rigid	8R-38		1.83	1.16	2.07		0.22	5.28	4.39	9.67
Cotton Seed Conv.	thous	20.48					0.90	21.38		21.38
Temik 15G Gypsum	lb	11.66					0.51	12.17		12.17
Insect Scouting	acre	7.00					0.31	7.31		7.31
Eradication Zone 4	acre	10.50					0.46	10.96		10.96
Cult & Post	8R-38		1.98	0.84	1.92		0.21	4.95	4.22	9.17
Staple	oz	11.38					0.50	11.88		11.88
Surfactant	pt	0.31					0.01	0.32		0.32
Acephate 90%	lb	1.69					0.07	1.76		1.76
Sprayer(600-750Gal)	60'		0.42	0.13	0.38		0.03	0.96	1.04	2.00
Centric 40WG	oz	10.08					0.37	10.45		10.45
Mepiquat Chloride	oz	2.82					0.10	2.92		2.92
Fert Appl (Liquid)	8R-38		1.77	1.02	1.70		0.16	4.65	3.26	7.91
UAN (32% N)	cwt	21.60					0.79	22.39		22.39
Cult & Post	8R-38		1.98	0.84	1.92		0.17	4.91	4.22	9.13
Suprend	lb	15.26					0.56	15.82		15.82
MSMA6 + Surfactant	pt	2.63					0.10	2.73		2.73
Sprayer(600-750Gal)	60'		0.17	0.05	0.16		0.01	0.39	0.41	0.80
Tracer	oz	5.44					0.20	5.64		5.64
Cult & Post	8R-38		0.59	0.25	0.58		0.04	1.46	1.26	2.72
Select 2EC	oz	3.24					0.09	3.33		3.33
Surfactant	pt	0.09						0.09		0.09
Spray (Direct/Layby)	8R-38		1.52	0.57	1.47		0.10	3.66	2.41	6.07
Layby Pro	qt	9.04					0.26	9.30		9.30
Diuron 80%	lb	3.15					0.09	3.24		3.24
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Mepiquat Chloride	oz	2.82					0.08	2.90		2.90
Acephate 90%	lb	4.22					0.12	4.34		4.34
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Karate Z	oz	6.20					0.18	6.38		6.38
Bidrin 8L	oz	6.72					0.20	6.92		6.92
Incidental Pest										
App by Air (3 gal)	appl	1.75					0.05	1.80		1.80
Incidental Pest Trt	acre	6.00					0.18	6.18		6.18
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Karate Z	oz	6.20					0.18	6.38		6.38
Tracer	oz	13.59					0.40	13.99		13.99
App by Air (3 gal)	appl	3.50					0.08	3.58		3.58
Acephate 90%	lb	5.76					0.13	5.89		5.89
App by Air (3 gal)	appl	3.50					0.08	3.58		3.58
Tracer	oz	13.59					0.30	13.89		13.89
Karate Z	oz	6.20					0.14	6.34		6.34
App by Air (5 gal)	appl	4.50					0.07	4.57		4.57
Thidiazuron 4lb	oz	4.86					0.07	4.93		4.93
Ethephon 6E	pt	6.94					0.10	7.04		7.04
Sprayer(600-750Gal)	60'		0.21	0.06	0.19		0.01	0.47	0.52	0.99
Tribufos 6lb	pt	3.58					0.05	3.63		3.63
Cotton Picker-1st-BB	4R-38(350)		10.82	12.63	6.62		0.22	30.29	60.47	90.76
Boll Buggy-1st pick	4R-38(325)		5.87	2.63	4.74		0.10	13.34	11.74	25.08
Module Builder-1st	4R-38(325)		5.87	3.11	6.62		0.11	15.71	12.97	28.68
Gin & Haul	lb	63.00					0.46	63.46		63.46
Stalk Shredder	14'		2.69	1.53	2.16		0.05	6.43	4.22	10.65
TOTALS		379.40	48.18	29.44	41.10	0.00	16.24	514.36	134.20	648.56

Note: Cost of production estimates are based on 2007 input prices.
Fertilization should be based on soil tests.

Table 4.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conventional tillage
Non-transgenic variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

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	548.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.25	7.00	4.50	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.38	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	63.00
FERTILIZERS	2.45	0.00	0.00	0.00	18.20	21.60	0.00	21.60	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	2.35	0.00	11.38	17.89	15.43	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.35	15.52	42.93	25.55	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	20.48	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	2.82	2.82	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.09	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	5.00	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	10.50	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	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.76	0.00	0.00	0.00	2.30	3.07	5.43	4.16	2.05	0.00	0.19	20.14
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.66	0.00	0.00	0.00	2.55	3.46	5.60	4.34	2.11	0.00	0.21	25.25
REPAIR & MAINTENANCE	1.05	0.00	0.00	0.00	1.53	1.56	2.48	2.04	0.82	0.00	0.06	19.90
INTEREST ON OP. CAP.	2.79	0.00	0.00	0.00	1.86	1.51	3.35	2.49	2.27	0.73	0.30	0.94
TOTAL DIRECT EXPENSES	34.71	0.00	0.00	0.00	33.79	31.20	79.88	70.86	80.77	33.28	20.64	129.23
NET INCOME	-34.71	0.00	0.00	0.00	-33.79	-31.20	-79.88	-70.86	-80.77	-33.28	-20.64	419.22
NET INCOME TO DATE	-34.71	-34.71	-34.71	-34.71	-68.50	-99.70	-179.58	-250.44	-331.21	-364.49	-385.13	34.09

Note: Cost of production estimates are based on 2007 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, conventional tillage
Non-transgenic variety, Black Belt/Coastal Plain Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.53	0.57	0.60	0.64	0.68	0.71	0.75	0.78	0.82	0.85	0.89
PERCENT	YIELD	UNIT	dollars										
50	350.00	lb	-247	-234	-222	-209	-197	-184	-172	-159	-147	-134	-122
			-381	-369	-356	-344	-331	-318	-306	-293	-281	-268	-256
60	420.00	lb	-216	-201	-186	-171	-156	-141	-125	-110	-95	-80	-65
			-350	-335	-320	-305	-290	-275	-260	-245	-230	-215	-200
70	490.00	lb	-184	-167	-149	-132	-114	-97	-79	-62	-44	-27	-9
			-319	-301	-284	-266	-248	-231	-213	-196	-178	-161	-143
80	560.00	lb	-153	-133	-113	-93	-73	-53	-33	-13	6	26	46
			-287	-267	-247	-227	-207	-187	-167	-147	-127	-107	-87
90	630.00	lb	-122	-99	-77	-54	-32	-9	12	35	57	80	103
			-256	-234	-211	-188	-166	-143	-121	-98	-76	-53	-31
100	700.00	lb	-91	-66	-41	-16	9	34	59	84	109	134	159
			-225	-200	-175	-150	-125	-100	-75	-49	-24	0	25
110	770.00	lb	-59	-32	-4	22	50	77	105	132	160	188	215
			-194	-166	-139	-111	-83	-56	-28	-1	26	53	81
120	840.00	lb	-28	1	31	61	91	121	151	181	211	241	271
			-162	-132	-102	-72	-42	-12	17	47	77	107	137
130	910.00	lb	2	35	67	100	132	165	197	230	263	295	328
			-131	-99	-66	-33	-1	31	63	96	128	161	194
140	980.00	lb	33	68	103	139	174	209	244	279	314	349	384
			-100	-65	-30	4	39	74	110	145	180	215	250
150	1050.00	lb	65	102	140	177	215	252	290	328	365	403	440
			-69	-31	5	43	81	118	156	193	231	269	306

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 2007 input prices.

Table 5.A Estimated costs per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	2.5000	11.25	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	14.00	0.6600	9.24	_____
Potash (60% K2O)	cwt	13.00	1.0000	13.00	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.80	2.5000	2.00	_____
Headline	oz	1.88	3.0000	5.64	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	6.0000	14.10	_____
2,4-D Amine 4	pt	1.72	2.0000	3.44	_____
INSECTICIDES					
Acephate 90SP	lb	6.50	0.7500	4.88	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.66	50.0000	33.00	_____
HAULING					
Haul Soybeans	bu	0.20	40.0000	8.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.2500	10.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.3879	3.97	_____
Harvesters	hour	10.21	0.1021	1.04	_____
HAND LABOR					
Implements	hour	7.31	0.1645	1.20	_____
UNALLOCATED LABOR	hour	10.22	0.4411	4.51	_____
DIESEL FUEL					
Tractors	gal	2.33	3.7940	8.84	_____
Harvesters	gal	2.33	1.4457	3.37	_____
REPAIR & MAINTENANCE					
Implements	acre	3.46	1.0000	3.46	_____
Tractors	acre	1.46	1.0000	1.46	_____
Harvesters	acre	2.03	1.0000	2.03	_____
INTEREST ON OP. CAP.	acre	7.25	1.0000	7.25	_____

TOTAL DIRECT EXPENSES				151.68	_____
FIXED EXPENSES					
Implements	acre	8.95	1.0000	8.95	_____
Tractors	acre	11.17	1.0000	11.17	_____
Harvesters	acre	9.70	1.0000	9.70	_____

TOTAL FIXED EXPENSES				29.82	_____

TOTAL SPECIFIED EXPENSES				181.50	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 5.B Summary of estimated costs and returns per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.34	40.0000	373.60	_____
TOTAL INCOME				373.60	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.25	1.0000	11.25	_____
FERTILIZERS	acre	22.24	1.0000	22.24	_____
FUNGICIDES	acre	7.64	1.0000	7.64	_____
HERBICIDES	acre	17.54	1.0000	17.54	_____
INSECTICIDES	acre	4.88	1.0000	4.88	_____
SEED/PLANTS	acre	33.00	1.0000	33.00	_____
HAULING	acre	8.00	1.0000	8.00	_____
CUSTOM LIME	acre	10.00	1.0000	10.00	_____
HAND LABOR	hour	7.31	0.1645	1.20	_____
OPERATOR LABOR	hour	10.21	0.4901	5.01	_____
UNALLOCATED LABOR	hour	10.22	0.4411	4.51	_____
DIESEL FUEL	gal	2.33	5.2398	12.21	_____
REPAIR & MAINTENANCE	acre	6.95	1.0000	6.95	_____
INTEREST ON OP. CAP.	acre	7.25	1.0000	7.25	_____
TOTAL DIRECT EXPENSES				151.68	_____
RETURNS ABOVE DIRECT EXPENSES				221.92	_____
TOTAL FIXED EXPENSES				29.82	_____
TOTAL SPECIFIED EXPENSES				181.50	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				192.10	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 5.C Estimated resource use for field operations, per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Subsoiler	3 shank	MFWD 190	0.204	0.25	Oct		0.05	0.05	0.05	0.04
Lime (Spread)	ton			0.25	Oct	0.2500				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct		0.08	0.08	0.08	0.07
Field Cultivate Fld	24'	MFWD 190	0.062	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Glyphosate Plus 4L	pt					2.0000				
2,4-D Amine 4	pt					2.0000				
Plant - Rigid	12R-20	MFWD 190	0.094	1.00	Apr		0.09	0.09	0.18	0.08
Soybean Seed RR	lb					50.0000				
Apron Maxx RTA	oz					2.5000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate Plus 4L	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate Plus 4L	pt					2.0000				
App by Air (5 gal)	appl			0.50	Jul	0.5000				
Headline	oz					3.0000				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
Header - Soybean	25' Flex	275hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Soybeans	bu					40.0000				
TOTALS							0.49	0.49	0.65	0.44

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 5.D Estimated costs for field operations, per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Subsoiler	3 shank		1.16	0.26	0.99		0.21	2.62	1.71	4.33
Lime (Spread)	ton	10.00					0.88	10.88		10.88
Spin Spreader	5 ton		0.96	0.42	1.13		0.22	2.73	1.86	4.59
Phosphorus(46% P2O5)	cwt	9.24					0.81	10.05		10.05
Potash (60% K2O)	cwt	13.00					1.14	14.14		14.14
Disk Harrow	24'		1.87	0.92	1.59		0.38	4.76	3.98	8.74
Field Cultivate Fld	24'		1.42	0.53	1.21		0.28	3.44	3.37	6.81
App by Air (5 gal)	appl	4.50					0.23	4.73		4.73
Glyphosate Plus 4L	pt	4.70					0.24	4.94		4.94
2,4-D Amine 4	pt	3.44					0.18	3.62		3.62
Plant - Rigid	12R-20		2.15	1.77	2.52		0.28	6.72	6.15	12.87
Soybean Seed RR	lb	33.00					1.44	34.44		34.44
Apron Maxx RTA	oz	2.00					0.09	2.09		2.09
Spray (Broadcast)	60'		0.64	0.21	0.65		0.05	1.55	0.96	2.51
Glyphosate Plus 4L	pt	4.70					0.17	4.87		4.87
Spray (Broadcast)	60'		0.64	0.21	0.65		0.05	1.55	0.96	2.51
Glyphosate Plus 4L	pt	4.70					0.17	4.87		4.87
App by Air (5 gal)	appl	2.25					0.05	2.30		2.30
Headline	oz	5.64					0.12	5.76		5.76
App by Air (5 gal)	appl	4.50					0.07	4.57		4.57
Acephate 90SP	lb	4.88					0.07	4.95		4.95
Header - Soybean	25' Flex		3.37	2.63	1.98		0.06	8.04	10.83	18.87
Haul Soybeans	bu	8.00					0.06	8.06		8.06
TOTALS		114.55	12.21	6.95	10.72	0.00	7.25	151.68	29.82	181.50

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 5.E Estimated monthly income and expense flows per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	373.60
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	2.25	4.50	0.00
FERTILIZERS	22.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	5.64	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	8.14	0.00	9.40	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.88	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00
CUSTOM LIME	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.92	0.00	0.00	0.00	0.00	0.00	2.52	1.30	0.00	0.00	0.00	1.98
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	5.41	0.00	0.00	0.00	0.00	0.00	2.15	1.28	0.00	0.00	0.00	3.37
REPAIR & MAINTENANCE	2.13	0.00	0.00	0.00	0.00	0.00	1.77	0.42	0.00	0.00	0.00	2.63
INTEREST ON OP. CAP.	3.92	0.00	0.00	0.00	0.00	0.65	1.81	0.44	0.00	0.17	0.14	0.12
TOTAL DIRECT EXPENSES	48.62	0.00	0.00	0.00	0.00	13.29	43.25	12.84	0.00	8.06	9.52	16.10
NET INCOME	-48.62	0.00	0.00	0.00	0.00	-13.29	-43.25	-12.84	0.00	-8.06	-9.52	357.50
NET INCOME TO DATE	-48.62	-48.62	-48.62	-48.62	-48.62	-61.91	-105.16	-118.00	-118.00	-126.06	-135.58	221.92

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.
* Lease costs are based on hourly usage costs.

Table 5.F Estimated returns for various price/yield combinations, per acre
Soybeans, early-planted, RR, reduced tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			7.00	7.47	7.93	8.40	8.87	9.34	9.80	10.27	10.74	11.20	11.67
PERCENT	YIELD	UNIT	dollars										
50	20.00	bu	-7	1	11	20	29	39	48	57	67	76	85
			-37	-28	-18	-9	-0	9	18	28	37	46	56
60	24.00	bu	19	30	42	53	64	75	86	98	109	120	131
			-10	1	12	23	34	45	57	68	79	90	101
70	28.00	bu	46	59	73	86	99	112	125	138	151	164	177
			17	30	43	56	69	82	95	108	121	134	147
80	32.00	bu	74	89	103	118	133	148	163	178	193	208	223
			44	59	74	89	104	118	133	148	163	178	193
90	36.00	bu	101	118	134	151	168	185	202	218	235	252	269
			71	88	105	121	138	155	172	189	205	222	239
100	40.00	bu	128	147	165	184	203	221	240	259	277	296	315
			98	117	136	154	173	192	210	229	248	266	285
110	44.00	bu	155	176	196	217	237	258	279	299	320	340	361
			125	146	167	187	208	228	249	269	290	310	331
120	48.00	bu	182	205	227	250	272	295	317	339	362	384	407
			153	175	197	220	242	265	287	310	332	354	377
130	52.00	bu	210	234	258	283	307	331	355	380	404	428	453
			180	204	228	253	277	301	326	350	374	398	423
140	56.00	bu	237	263	289	315	341	368	394	420	446	472	498
			207	233	259	286	312	338	364	390	416	442	469
150	60.00	bu	264	292	320	348	376	404	432	460	488	516	544
			234	262	290	318	346	374	402	430	458	486	514

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 2007 input prices.

Table 6.A Estimated costs per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	2.0000	9.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	14.00	0.6600	9.24	_____
Potash (60% K2O)	cwt	13.00	1.0000	13.00	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.80	2.2500	1.80	_____
Stratego	pt	18.52	0.3125	5.79	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
INSECTICIDES					
Dimilin 2L	oz	1.64	1.0000	1.64	_____
Acephate 90SP	lb	6.50	0.7500	4.88	_____
Intrepid 2F	oz	1.93	2.0000	3.86	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.66	45.0000	29.70	_____
HAULING					
Haul Soybeans	bu	0.20	28.0000	5.60	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.2500	10.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.3368	3.45	_____
Harvesters	hour	10.21	0.1021	1.04	_____
HAND LABOR					
Implements	hour	7.31	0.1645	1.20	_____
UNALLOCATED LABOR	hour	10.22	0.3951	4.04	_____
DIESEL FUEL					
Tractors	gal	2.33	3.2945	7.68	_____
Harvesters	gal	2.33	1.4457	3.37	_____
REPAIR & MAINTENANCE					
Implements	acre	3.39	1.0000	3.39	_____
Tractors	acre	1.27	1.0000	1.27	_____
Harvesters	acre	2.03	1.0000	2.03	_____
INTEREST ON OP. CAP.	acre	5.39	1.0000	5.39	_____

TOTAL DIRECT EXPENSES				136.77	_____
FIXED EXPENSES					
Implements	acre	8.71	1.0000	8.71	_____
Tractors	acre	9.70	1.0000	9.70	_____
Harvesters	acre	9.70	1.0000	9.70	_____

TOTAL FIXED EXPENSES				28.11	_____

TOTAL SPECIFIED EXPENSES				164.88	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 6.B Summary of estimated costs and returns per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.34	28.0000	261.52	
TOTAL INCOME				261.52	
DIRECT EXPENSES					
CUSTOM SPRAY	acre	9.00	1.0000	9.00	
FERTILIZERS	acre	22.24	1.0000	22.24	
FUNGICIDES	acre	7.59	1.0000	7.59	
HERBICIDES	acre	9.40	1.0000	9.40	
INSECTICIDES	acre	10.38	1.0000	10.38	
SEED/PLANTS	acre	29.70	1.0000	29.70	
HAULING	acre	5.60	1.0000	5.60	
CUSTOM LIME	acre	10.00	1.0000	10.00	
HAND LABOR	hour	7.31	0.1645	1.20	
OPERATOR LABOR	hour	10.21	0.4390	4.49	
UNALLOCATED LABOR	hour	10.22	0.3951	4.04	
DIESEL FUEL	gal	2.33	4.7402	11.05	
REPAIR & MAINTENANCE	acre	6.69	1.0000	6.69	
INTEREST ON OP. CAP.	acre	5.39	1.0000	5.39	
TOTAL DIRECT EXPENSES				136.77	
RETURNS ABOVE DIRECT EXPENSES				124.75	
TOTAL FIXED EXPENSES				28.11	
TOTAL SPECIFIED EXPENSES				164.88	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				96.64	

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 6.C Estimated resource use for field operations, per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Lime (Spread)	ton			0.25	Nov	0.2500				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Apr		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
Disk Harrow	24'	MFWD 190	0.081	1.00	Apr		0.08	0.08	0.08	0.07
Field Cultivate Fld	24'	MFWD 190	0.062	1.00	May		0.06	0.06	0.06	0.05
Plant - Rigid	12R-20	MFWD 190	0.094	1.00	May		0.09	0.09	0.18	0.08
Soybean Seed RR	lb					45.0000				
Apron Maxx RTA	oz					2.2500				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate Plus 4L	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jun		0.02	0.02	0.04	0.02
Glyphosate Plus 4L	pt					2.0000				
App by Air (5 gal)	appl			0.50	Jul	0.5000				
Dimilin 2L	oz					1.0000				
Stratego	pt					0.3125				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			0.50	Aug	0.5000				
Intrepid 2F	oz					2.0000				
Header - Soybean	25' Flex	275hp	0.102	1.00	Oct		0.10	0.10	0.10	0.09
Haul Soybeans	bu					28.0000				
TOTALS							0.43	0.43	0.60	0.39

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 6.D Estimated costs for field operations, per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Lime (Spread)	ton	10.00					0.88	10.88		10.88
Spin Spreader	5 ton		0.96	0.42	1.13		0.13	2.64	1.86	4.50
Phosphorus(46% P2O5)	cwt	9.24					0.47	9.71		9.71
Potash (60% K2O)	cwt	13.00					0.66	13.66		13.66
Disk Harrow	24'		1.87	0.92	1.59		0.22	4.60	3.98	8.58
Field Cultivate Fld	24'		1.42	0.53	1.21		0.14	3.30	3.37	6.67
Plant - Rigid	12R-20		2.15	1.77	2.52		0.28	6.72	6.15	12.87
Soybean Seed RR	lb	29.70					1.30	31.00		31.00
Apron Maxx RTA	oz	1.80					0.08	1.88		1.88
Spray (Broadcast)	60'		0.64	0.21	0.65		0.07	1.57	0.96	2.53
Glyphosate Plus 4L	pt	4.70					0.21	4.91		4.91
Spray (Broadcast)	60'		0.64	0.21	0.65		0.05	1.55	0.96	2.51
Glyphosate Plus 4L	pt	4.70					0.17	4.87		4.87
App by Air (5 gal)	appl	2.25					0.07	2.32		2.32
Dimilin 2L	oz	1.64					0.05	1.69		1.69
Stratego	pt	5.79					0.17	5.96		5.96
App by Air (5 gal)	appl	4.50					0.10	4.60		4.60
Acephate 90SP	lb	4.88					0.11	4.99		4.99
App by Air (5 gal)	appl	2.25					0.05	2.30		2.30
Intrepid 2F	oz	3.86					0.08	3.94		3.94
Header - Soybean	25' Flex		3.37	2.63	1.98		0.06	8.04	10.83	18.87
Haul Soybeans	bu	5.60					0.04	5.64		5.64
TOTALS		103.91	11.05	6.69	9.73	0.00	5.39	136.77	28.11	164.88

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 6.E Estimated monthly income and expense flows per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

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	261.52
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	6.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	22.24	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	5.79	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	4.70	4.70	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	8.74	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	29.70	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.60
CUSTOM LIME	10.00	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	2.72	4.38	0.65	0.00	0.00	0.00	1.98
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	2.83	4.21	0.64	0.00	0.00	0.00	3.37
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	1.34	2.51	0.21	0.00	0.00	0.00	2.63
INTEREST ON OP. CAP.	0.88	0.00	0.00	0.00	0.00	1.48	2.08	0.22	0.29	0.34	0.00	0.10
TOTAL DIRECT EXPENSES	10.88	0.00	0.00	0.00	0.00	30.61	49.38	6.42	9.97	15.83	0.00	13.68
NET INCOME	-10.88	0.00	0.00	0.00	0.00	-30.61	-49.38	-6.42	-9.97	-15.83	0.00	247.84
NET INCOME TO DATE	-10.88	-10.88	-10.88	-10.88	-10.88	-41.49	-90.87	-97.29	-107.26	-123.09	-123.09	124.75

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.
* Lease costs are based on hourly usage costs.

Table 6.F Estimated returns for various price/yield combinations, per acre
Soybeans, May-planted, RR, convent. tillage, 12R 20"
Non-Delta Area, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			7.00	7.47	7.93	8.40	8.87	9.34	9.80	10.27	10.74	11.20	11.67
PERCENT	YIELD	UNIT	dollars										
50	14.00	bu	-35	-29	-22	-16	-9	-3	3	9	16	22	29
			-63	-57	-50	-44	-37	-31	-24	-18	-11	-5	1
60	16.80	bu	-16	-8	-1	6	14	22	30	38	45	53	61
			-44	-37	-29	-21	-13	-5	2	9	17	25	33
70	19.60	bu	2	11	20	29	38	47	57	66	75	84	93
			-25	-16	-7	1	10	19	29	38	47	56	65
80	22.40	bu	21	31	42	52	63	73	84	94	104	115	125
			-6	3	14	24	35	45	55	66	76	87	97
90	25.20	bu	40	52	63	75	87	99	110	122	134	146	158
			12	23	35	47	59	71	82	94	106	118	129
100	28.00	bu	59	72	85	98	111	124	137	150	163	177	190
			31	44	57	70	83	96	109	122	135	148	162
110	30.80	bu	78	92	107	121	135	150	164	179	193	207	222
			50	64	79	93	107	122	136	150	165	179	194
120	33.60	bu	97	113	128	144	160	175	191	207	223	238	254
			69	85	100	116	132	147	163	179	194	210	226
130	36.40	bu	116	133	150	167	184	201	218	235	252	269	286
			88	105	122	139	156	173	190	207	224	241	258
140	39.20	bu	135	153	172	190	208	227	245	263	282	300	318
			107	125	144	162	180	198	217	235	253	272	290
150	42.00	bu	154	174	193	213	233	252	272	291	311	331	350
			126	146	165	185	204	224	244	263	283	303	322

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 2007 input prices.

Table 7.A Estimated costs per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	2.0000	9.00	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	14.00	0.6600	9.24	_____
Potash (60% K2O)	cwt	13.00	1.0000	13.00	_____
FUNGICIDES					
Apron Maxx RTA	oz	0.80	3.0000	2.40	_____
Stratego	pt	18.52	0.3125	5.79	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	5.0000	11.75	_____
INSECTICIDES					
Dimilin 2L	oz	1.64	1.0000	1.64	_____
Acephate 90SP	lb	6.50	0.7500	4.88	_____
Intrepid 2F	oz	1.93	2.0000	3.86	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.66	60.0000	39.60	_____
HAULING					
Haul Soybeans	bu	0.20	25.0000	5.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.2108	2.15	_____
Harvesters	hour	10.21	0.1021	1.04	_____
HAND LABOR					
Implements	hour	7.31	0.1755	1.28	_____
UNALLOCATED LABOR	hour	10.21	0.2691	2.75	_____
DIESEL FUEL					
Tractors	gal	2.33	2.0618	4.80	_____
Harvesters	gal	2.33	1.4457	3.37	_____
REPAIR & MAINTENANCE					
Implements	acre	2.80	1.0000	2.80	_____
Tractors	acre	0.80	1.0000	0.80	_____
Harvesters	acre	2.03	1.0000	2.03	_____
INTEREST ON OP. CAP.	acre	5.10	1.0000	5.10	_____

TOTAL DIRECT EXPENSES				132.28	_____
FIXED EXPENSES					
Implements	acre	6.23	1.0000	6.23	_____
Tractors	acre	6.07	1.0000	6.07	_____
Harvesters	acre	9.70	1.0000	9.70	_____

TOTAL FIXED EXPENSES				22.00	_____

TOTAL SPECIFIED EXPENSES				154.28	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 7.B Summary of estimated costs and returns per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	9.34	25.0000	233.50	_____
TOTAL INCOME				233.50	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	9.00	1.0000	9.00	_____
FERTILIZERS	acre	22.24	1.0000	22.24	_____
FUNGICIDES	acre	8.19	1.0000	8.19	_____
HERBICIDES	acre	11.75	1.0000	11.75	_____
INSECTICIDES	acre	10.38	1.0000	10.38	_____
SEED/PLANTS	acre	39.60	1.0000	39.60	_____
HAULING	acre	5.00	1.0000	5.00	_____
HAND LABOR	hour	7.31	0.1755	1.28	_____
OPERATOR LABOR	hour	10.21	0.3129	3.19	_____
UNALLOCATED LABOR	hour	10.21	0.2691	2.75	_____
DIESEL FUEL	gal	2.33	3.5075	8.17	_____
REPAIR & MAINTENANCE	acre	5.63	1.0000	5.63	_____
INTEREST ON OP. CAP.	acre	5.10	1.0000	5.10	_____
TOTAL DIRECT EXPENSES				132.28	_____
RETURNS ABOVE DIRECT EXPENSES				101.22	_____
TOTAL FIXED EXPENSES				22.00	_____
TOTAL SPECIFIED EXPENSES				154.28	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				79.22	_____

Note: Cost of production estimates are based on 2007 input prices. **Fertilization decisions should be based on soil tests.** The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 7.C Estimated resource use for field operations, per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Nov		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jun		0.02	0.02	0.04	0.02
Glyphosate Plus 4L	pt					2.0000				
NT Plant-Rigid	12R-20	MFWD 190	0.098	1.00	Jun		0.09	0.09	0.19	0.08
Soybean Seed RR	lb					60.0000				
Apron Maxx RTA	oz					3.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jul		0.02	0.02	0.04	0.02
Glyphosate Plus 4L	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Jul		0.01	0.01	0.02	0.01
Glyphosate Plus 4L	pt					1.0000				
App by Air (5 gal)	appl			0.50	Aug	0.5000				
Dimilin 2L	oz					1.0000				
Stratego	pt					0.3125				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			0.50	Aug	0.5000				
Intrepid 2F	oz					2.0000				
Header - Soybean	25' Flex	275hp	0.102	1.00	Oct		0.10	0.10	0.10	0.08
Haul Soybeans	bu					25.0000				
TOTALS							0.31	0.31	0.48	0.26

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 7.D Estimated costs for field operations, per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Spin Spreader	5 ton		0.96	0.42	1.11		0.22	2.71	1.86	4.57
Phosphorus(46% P2O5)	cwt	9.24					0.81	10.05		10.05
Potash (60% K2O)	cwt	13.00					1.14	14.14		14.14
Spray (Broadcast)	60'		0.64	0.21	0.64		0.05	1.54	0.96	2.50
Glyphosate Plus 4L	pt	4.70					0.17	4.87		4.87
NT Plant-Rigid	12R-20		2.24	2.06	2.58		0.25	7.13	6.90	14.03
Soybean Seed RR	lb	39.60					1.44	41.04		41.04
Apron Maxx RTA	oz	2.40					0.09	2.49		2.49
Spray (Broadcast)	60'		0.64	0.21	0.64		0.04	1.53	0.96	2.49
Glyphosate Plus 4L	pt	4.70					0.14	4.84		4.84
Spray (Broadcast)	60'		0.32	0.10	0.31		0.02	0.75	0.49	1.24
Glyphosate Plus 4L	pt	2.35					0.07	2.42		2.42
App by Air (5 gal)	appl	2.25					0.05	2.30		2.30
Dimilin 2L	oz	1.64					0.04	1.68		1.68
Stratego	pt	5.79					0.13	5.92		5.92
App by Air (5 gal)	appl	4.50					0.10	4.60		4.60
Acephate 90SP	lb	4.88					0.11	4.99		4.99
App by Air (5 gal)	appl	2.25					0.05	2.30		2.30
Intrepid 2F	oz	3.86					0.08	3.94		3.94
Header - Soybean	25' Flex		3.37	2.63	1.94		0.06	8.00	10.83	18.83
Haul Soybeans	bu	5.00					0.04	5.04		5.04
TOTALS		106.16	8.17	5.63	7.22	0.00	5.10	132.28	22.00	154.28

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.

Table 7.E Estimated monthly income and expense flows per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2008

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	233.50
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00
FERTILIZERS	22.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.00	5.79	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.70	7.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.38	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.60	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
LABOR	1.11	0.00	0.00	0.00	0.00	0.00	0.00	3.22	0.95	0.00	0.00	1.94
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	0.96	0.00	0.00	0.00	0.00	0.00	0.00	2.88	0.96	0.00	0.00	3.37
REPAIR & MAINTENANCE	0.42	0.00	0.00	0.00	0.00	0.00	0.00	2.27	0.31	0.00	0.00	2.63
INTEREST ON OP. CAP.	2.17	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.27	0.56	0.00	0.10
TOTAL DIRECT EXPENSES	26.90	0.00	0.00	0.00	0.00	0.00	0.00	57.07	9.54	25.73	0.00	13.04
NET INCOME	-26.90	0.00	0.00	0.00	0.00	0.00	0.00	-57.07	-9.54	-25.73	0.00	220.46
NET INCOME TO DATE	-26.90	-26.90	-26.90	-26.90	-26.90	-26.90	-26.90	-83.97	-93.51	-119.24	-119.24	101.22

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from $7 to $12 per acre.
* Lease costs are based on hourly usage costs.

Table 7.F Estimated returns for various price/yield combinations, per acre
Soybeans after wheat, RR, no-till, 12R 20"
Non-Delta Area, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Soybeans			7.00	7.47	7.93	8.40	8.87	9.34	9.80	10.27	10.74	11.20	11.67
PERCENT	YIELD	UNIT	dollars										
50	12.50	bu	-42	-36	-30	-24	-18	-13	-7	-1	4	10	16
			-64	-58	-52	-46	-40	-35	-29	-23	-17	-11	-5
60	15.00	bu	-25	-18	-11	-4	2	9	16	23	30	37	44
			-47	-40	-33	-26	-19	-12	-5	1	8	15	22
70	17.50	bu	-8	-0	8	16	24	32	40	49	57	65	73
			-30	-22	-13	-5	2	10	18	27	35	43	51
80	20.00	bu	8	18	27	36	46	55	64	74	83	92	102
			-13	-3	5	14	24	33	42	52	61	70	80
90	22.50	bu	25	36	46	57	67	78	88	99	109	120	130
			3	14	24	35	45	56	66	77	87	98	108
100	25.00	bu	42	54	66	77	89	101	112	124	136	147	159
			20	32	44	55	67	79	90	102	114	125	137
110	27.50	bu	59	72	85	98	111	124	136	149	162	175	188
			37	50	63	76	89	102	114	127	140	153	166
120	30.00	bu	76	90	104	118	132	146	160	174	188	202	216
			54	68	82	96	110	124	138	152	166	180	194
130	32.50	bu	93	109	124	139	154	169	184	200	215	230	245
			71	87	102	117	132	147	162	178	193	208	223
140	35.00	bu	110	127	143	159	176	192	208	225	241	257	274
			88	105	121	137	154	170	186	203	219	235	252
150	37.50	bu	127	145	162	180	197	215	232	250	267	285	303
			105	123	140	158	175	193	210	228	245	263	281

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 2007 input prices.

Table 8.A Estimated costs per acre
Corn, stale seedbed, RR seed , 8-row 30",
135 bu yield goal, All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	1.0000	4.50	_____
App by Air (3 gal)	appl	3.50	1.0000	3.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.0870	17.39	_____
Potash (60% K2O)	cwt	13.00	0.8300	10.79	_____
UAN (32% N)	cwt	12.00	5.1565	61.88	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	2.0000	4.70	_____
Clarity	pt	11.60	0.5000	5.80	_____
Atrazine 4L	pt	1.17	4.0000	4.68	_____
Dual Magnum	pt	12.64	1.3300	16.81	_____
Gramoxone Inteon	oz	0.23	48.0000	11.04	_____
Steadfast	oz	22.36	0.3750	8.39	_____
INSECTICIDES					
Intrepid 2F	oz	1.93	4.0000	7.72	_____
SEED/PLANTS					
Corn Seed RR	thous	1.87	28.0000	52.36	_____
ADJUVANTS					
Surfactant	pt	1.55	0.4000	0.62	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.7203	7.36	_____
Harvesters	hour	10.21	0.1277	1.30	_____
HAND LABOR					
Implements	hour	7.31	0.2559	1.87	_____
UNALLOCATED LABOR	hour	10.19	0.7632	7.78	_____
DIESEL FUEL					
Tractors	gal	2.33	6.3037	14.68	_____
Harvesters	gal	2.33	1.5772	3.67	_____
REPAIR & MAINTENANCE					
Implements	acre	7.67	1.0000	7.67	_____
Tractors	acre	2.55	1.0000	2.55	_____
Harvesters	acre	2.15	1.0000	2.15	_____
INTEREST ON OP. CAP.	acre	14.84	1.0000	14.84	_____

TOTAL DIRECT EXPENSES				321.05	_____
FIXED EXPENSES					
Implements	acre	13.91	1.0000	13.91	_____
Tractors	acre	19.73	1.0000	19.73	_____
Harvesters	acre	10.29	1.0000	10.29	_____

TOTAL FIXED EXPENSES				43.93	_____

TOTAL SPECIFIED EXPENSES				364.98	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 8.B Summary of estimated costs and returns per acre
Corn, stale seedbed, RR seed , 8-row 30",
135 bu yield goal, All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.81	135.0000	514.35	_____
TOTAL INCOME				514.35	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.00	1.0000	8.00	_____
FERTILIZERS	acre	90.06	1.0000	90.06	_____
HERBICIDES	acre	51.42	1.0000	51.42	_____
INSECTICIDES	acre	7.72	1.0000	7.72	_____
SEED/PLANTS	acre	52.36	1.0000	52.36	_____
ADJUVANTS	acre	0.62	1.0000	0.62	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.2559	1.87	_____
OPERATOR LABOR	hour	10.21	0.8481	8.66	_____
UNALLOCATED LABOR	hour	10.19	0.7632	7.78	_____
DIESEL FUEL	gal	2.33	7.8809	18.35	_____
REPAIR & MAINTENANCE	acre	12.37	1.0000	12.37	_____
INTEREST ON OP. CAP.	acre	14.84	1.0000	14.84	_____
TOTAL DIRECT EXPENSES				321.05	_____
RETURNS ABOVE DIRECT EXPENSES				193.30	_____
TOTAL FIXED EXPENSES				43.93	_____
TOTAL SPECIFIED EXPENSES				364.98	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				149.37	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 8.C Estimated resource use for field operations, per acre
Corn, stale seedbed, RR seed , 8-row 30",
135 bu yield goal, All Areas, Mississippi, 2008

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	Oct	0.5000				
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
Heavy Disk	21'	MFWD 170	0.097	1.00	Oct		0.09	0.09	0.09	0.08
Disk Bed (Hipper)	8R-30	MFWD 170	0.093	1.00	Oct		0.09	0.09	0.09	0.08
Roller	32'-12R30	MFWD 170	0.046	1.00	Oct		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate Plus 4L	pt					2.0000				
Clarity	pt					0.5000				
Plant & Pre-Rigid	8R-30	MFWD 170	0.101	1.00	Mar		0.10	0.10	0.20	0.09
Corn Seed RR	thous					28.0000				
Atrazine 4L	pt					4.0000				
Dual Magnum	pt					1.3300				
Gramoxone Inteon	oz					48.0000				
Surfactant	pt					0.4000				
Fert Appl (Liquid)	8R-30	MFWD 170	0.098	1.00	Apr		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					1.8750				
Fert Appl (Liquid)	8R-30	MFWD 170	0.098	1.00	May		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					3.2815				
Spray (Broadcast)	60'	MFWD 170	0.028	1.00	May		0.02	0.02	0.04	0.02
Steadfast	oz					0.3750				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-30	240hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Corn Grain Cart 8R30	500 bu	MFWD 170	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	MFWD 170	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.84	0.84	1.10	0.76

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 8.D Estimated costs for field operations, per acre
Corn, stale seedbed, RR seed , 8-row 30",
135 bu yield goal, All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	DIRECT COST FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Lime (Spread)	ton	20.00					1.75	21.75		21.75
Spin Spreader	5 ton		0.86	0.41	1.13		0.21	2.61	1.80	4.41
DAP	cwt	17.39					1.52	18.91		18.91
Potash (60% K2O)	cwt	10.79					0.94	11.73		11.73
Heavy Disk	21'		1.98	1.02	1.88		0.43	5.31	4.47	9.78
Disk Bed (Hipper)	8R-30		1.91	0.61	1.82		0.38	4.72	3.51	8.23
Roller	32'-12R30		0.95	0.29	0.91		0.19	2.34	2.14	4.48
App by Air (5 gal)	appl	4.50					0.26	4.76		4.76
Glyphosate Plus 4L	pt	4.70					0.27	4.97		4.97
Clarity	pt	5.80					0.34	6.14		6.14
Plant & Pre-Rigid	8R-30		2.07	1.54	2.71		0.32	6.64	5.62	12.26
Corn Seed RR	thous	52.36					2.67	55.03		55.03
Atrazine 4L	pt	4.68					0.24	4.92		4.92
Dual Magnum	pt	16.81					0.86	17.67		17.67
Gramoxone Inteon	oz	11.04					0.56	11.60		11.60
Surfactant	pt	0.62					0.03	0.65		0.65
Fert Appl (Liquid)	8R-30		2.00	1.28	2.26		0.24	5.78	4.00	9.78
UAN (32% N)	cwt	22.50					0.98	23.48		23.48
Fert Appl (Liquid)	8R-30		2.00	1.28	2.26		0.20	5.74	4.00	9.74
UAN (32% N)	cwt	39.38					1.44	40.82		40.82
Spray (Broadcast)	60'		0.58	0.20	0.65		0.05	1.48	0.92	2.40
Steadfast	oz	8.39					0.31	8.70		8.70
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Intrepid 2F	oz	7.72					0.23	7.95		7.95
Header - Corn	8R-30		3.67	3.45	2.47		0.07	9.66	12.72	22.38
Corn Grain Cart 8R30	500 bu		0.65	0.24	0.62		0.01	1.52	1.16	2.68
Haul Corn	bu	27.00					0.20	27.20		27.20
Stalk Shredder	20'		1.68	2.05	1.60		0.04	5.37	3.59	8.96
TOTALS		257.18	18.35	12.37	18.31	0.00	14.84	321.05	43.93	364.98

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 8.E Estimated monthly income and expense flows per acre
Corn, stale seedbed, RR seed , 8-row 30",
135 bu yield goal, All Areas, Mississippi, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	514.35
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	3.50	0.00	0.00	0.00
FERTILIZERS	28.18	0.00	0.00	0.00	0.00	0.00	22.50	39.38	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.50	32.53	0.00	8.39	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	52.36	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00
CUSTOM LIME	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	5.74	0.00	0.00	0.00	0.00	2.71	2.26	2.91	0.00	0.00	0.00	4.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.70	0.00	0.00	0.00	0.00	2.07	2.00	2.58	0.00	0.00	0.00	6.00
REPAIR & MAINTENANCE	2.33	0.00	0.00	0.00	0.00	1.54	1.28	1.48	0.00	0.00	0.00	5.74
INTEREST ON OP. CAP.	5.42	0.00	0.00	0.00	0.87	4.68	1.22	2.00	0.33	0.00	0.00	0.32
TOTAL DIRECT EXPENSES	67.37	0.00	0.00	0.00	15.87	96.51	29.26	56.74	11.55	0.00	0.00	43.75
NET INCOME	-67.37	0.00	0.00	0.00	-15.87	-96.51	-29.26	-56.74	-11.55	0.00	0.00	470.60
NET INCOME TO DATE	-67.37	-67.37	-67.37	-67.37	-83.24	-179.75	-209.01	-265.75	-277.30	-277.30	-277.30	193.30

Note: Cost of production estimates are based on 2007 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
Corn, stale seedbed, RR seed , 8-row 30",
135 bu yield goal, All Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Corn			2.85	3.04	3.23	3.42	3.61	3.81	4.00	4.19	4.38	4.57	4.76
PERCENT	YIELD	UNIT	dollars										
50	67.50	bu	-114	-101	-88	-75	-63	-50	-37	-24	-11	1	14
			-158	-145	-132	-119	-107	-94	-81	-68	-55	-42	-29
60	81.00	bu	-78	-63	-47	-32	-16	-1	13	29	44	60	75
			-122	-107	-91	-76	-60	-45	-30	-14	0	16	31
70	94.50	bu	-42	-24	-6	11	29	47	65	83	101	119	137
			-86	-68	-50	-32	-14	3	21	39	57	75	93
80	108.00	bu	-7	13	34	54	75	95	116	137	157	178	198
			-50	-30	-9	10	31	51	72	93	113	134	154
90	121.50	bu	28	52	75	98	121	144	167	190	214	237	260
			-15	8	31	54	77	100	123	146	170	193	216
100	135.00	bu	64	90	116	141	167	193	219	244	270	296	321
			20	46	72	97	123	149	175	200	226	252	277
110	148.50	bu	100	128	157	185	213	242	270	298	326	355	383
			56	84	113	141	169	198	226	254	282	311	339
120	162.00	bu	136	167	198	229	259	290	321	352	383	414	445
			92	123	154	185	215	246	277	308	339	370	401
130	175.50	bu	172	205	239	272	306	339	372	406	439	473	506
			128	161	195	228	262	295	328	362	395	429	462
140	189.00	bu	208	244	280	316	352	388	424	460	496	532	568
			164	200	236	272	308	344	380	416	452	488	524
150	202.50	bu	243	282	321	359	398	436	475	514	552	591	629
			200	238	277	315	354	392	431	470	508	547	585

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 2007 input prices.

Table 9.A Estimated costs per acre
Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
Non-Delta Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	1.0000	4.50	_____
App by Air (3 gal)	appl	3.50	1.0000	3.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.0870	17.39	_____
Potash (60% K2O)	cwt	13.00	0.8300	10.79	_____
Fert 10-34-0	cwt	16.00	0.5000	8.00	_____
UAN (32% N)	cwt	12.00	5.0000	60.00	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Clarity	pt	11.60	0.5000	5.80	_____
Lexar	pt	4.90	3.3000	16.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.93	4.0000	7.72	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.01	28.0000	56.28	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.4231	4.32	_____
Harvesters	hour	10.21	0.1277	1.30	_____
HAND LABOR					
Implements	hour	7.31	0.2283	1.67	_____
UNALLOCATED LABOR	hour	10.20	0.4957	5.06	_____
DIESEL FUEL					
Tractors	gal	2.33	3.2673	7.61	_____
Harvesters	gal	2.33	1.5772	3.67	_____
REPAIR & MAINTENANCE					
Implements	acre	5.90	1.0000	5.90	_____
Tractors	acre	1.15	1.0000	1.15	_____
Harvesters	acre	2.15	1.0000	2.15	_____
INTEREST ON OP. CAP.	acre	12.35	1.0000	12.35	_____

TOTAL DIRECT EXPENSES				291.73	_____
FIXED EXPENSES					
Implements	acre	9.56	1.0000	9.56	_____
Tractors	acre	8.57	1.0000	8.57	_____
Harvesters	acre	10.29	1.0000	10.29	_____

TOTAL FIXED EXPENSES				28.42	_____

TOTAL SPECIFIED EXPENSES				320.15	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
Intrepid application is necessay only on refuge acres.

Table 9.B Summary of estimated costs and returns per acre
Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
Non-Delta Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.81	135.0000	514.35	_____
TOTAL INCOME				514.35	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.00	1.0000	8.00	_____
FERTILIZERS	acre	96.18	1.0000	96.18	_____
HERBICIDES	acre	31.37	1.0000	31.37	_____
INSECTICIDES	acre	7.72	1.0000	7.72	_____
SEED/PLANTS	acre	56.28	1.0000	56.28	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.2283	1.67	_____
OPERATOR LABOR	hour	10.21	0.5508	5.62	_____
UNALLOCATED LABOR	hour	10.20	0.4957	5.06	_____
DIESEL FUEL	gal	2.33	4.8445	11.28	_____
REPAIR & MAINTENANCE	acre	9.20	1.0000	9.20	_____
INTEREST ON OP. CAP.	acre	12.35	1.0000	12.35	_____
TOTAL DIRECT EXPENSES				291.73	_____
RETURNS ABOVE DIRECT EXPENSES				222.62	_____
TOTAL FIXED EXPENSES				28.42	_____
TOTAL SPECIFIED EXPENSES				320.15	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				194.20	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
Intrepid application is necessay only on refuge acres.

Table 9.C Estimated resource use for field operations, per acre
Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
Non-Delta Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Lime (Spread)	ton			0.25	Oct	0.5000				
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate Plus 4L	pt					2.0000				
Clarity	pt					0.5000				
Spin Spreader	5 ton	2WD 150	0.042	1.00	Mar		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
NT Plant&Pre-Rigid	8R-30	2WD 150	0.105	1.00	Mar		0.10	0.10	0.21	0.09
Corn Seed BtRR	thous					28.0000				
Fert 10-34-0	cwt					0.5000				
Spray (Broadcast)	27'	2WD 150	0.062	1.00	Apr		0.06	0.06	0.09	0.05
Glyphosate Plus 4L	pt					2.0000				
Lexar	pt					3.3000				
Fert Appl (Liquid)	8R-30	2WD 150	0.098	1.00	Apr		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					5.0000				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-30	240hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Corn Grain Cart 8R30	500 bu	2WD 150	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	2WD 150	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.55	0.55	0.77	0.49

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
Intrepid application is necessay only on refuge acres.

Table 9.D Estimated costs for field operations, per acre
Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
Non-Delta Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
		dollars								
Lime (Spread)	ton	20.00					1.75	21.75		21.75
App by Air (5 gal)	appl	4.50					0.26	4.76		4.76
Glyphosate Plus 4L	pt	4.70					0.27	4.97		4.97
Clarity	pt	5.80					0.34	6.14		6.14
Spin Spreader	5 ton		0.76	0.37	1.13		0.12	2.38	1.50	3.88
DAP	cwt	17.39					0.89	18.28		18.28
Potash (60% K2O)	cwt	10.79					0.55	11.34		11.34
NT Plant&Pre-Rigid	8R-30		1.90	1.66	2.82		0.33	6.71	5.46	12.17
Corn Seed BtRR	thous	56.28					2.87	59.15		59.15
Fert 10-34-0	cwt	8.00					0.41	8.41		8.41
Spray (Broadcast)	27'		1.13	0.32	1.45		0.13	3.03	1.50	4.53
Glyphosate Plus 4L	pt	4.70					0.21	4.91		4.91
Lexar	pt	16.17					0.71	16.88		16.88
Fert Appl (Liquid)	8R-30		1.77	1.20	2.26		0.23	5.46	3.30	8.76
UAN (32% N)	cwt	60.00					2.63	62.63		62.63
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Intrepid 2F	oz	7.72					0.23	7.95		7.95
Header - Corn	8R-30		3.67	3.45	2.47		0.07	9.66	12.72	22.38
Corn Grain Cart 8R30	500 bu		0.57	0.22	0.62		0.01	1.42	0.94	2.36
Haul Corn	bu	27.00					0.20	27.20		27.20
Stalk Shredder	20'		1.48	1.98	1.60		0.04	5.10	3.00	8.10
TOTALS		246.55	11.28	9.20	12.35	0.00	12.35	291.73	28.42	320.15

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
Intrepid application is necessay only on refuge acres.

Table 9.E Estimated monthly income and expense flows per acre
Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
Non-Delta Areas, Mississippi, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	514.35
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	3.50	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	36.18	60.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.50	0.00	20.87	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	56.28	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00
CUSTOM LIME	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	3.95	3.71	0.00	0.00	0.00	0.00	4.69
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	2.66	2.90	0.00	0.00	0.00	0.00	5.72
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	2.03	1.52	0.00	0.00	0.00	0.00	5.65
INTEREST ON OP. CAP.	1.75	0.00	0.00	0.00	0.87	5.17	3.91	0.00	0.33	0.00	0.00	0.32
TOTAL DIRECT EXPENSES	21.75	0.00	0.00	0.00	15.87	106.27	92.91	0.00	11.55	0.00	0.00	43.38
NET INCOME	-21.75	0.00	0.00	0.00	-15.87	-106.27	-92.91	0.00	-11.55	0.00	0.00	470.97
NET INCOME TO DATE	-21.75	-21.75	-21.75	-21.75	-37.62	-143.89	-236.80	-236.80	-248.35	-248.35	-248.35	222.62

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
Intrepid application is necessay only on refuge acres.
* Lease costs are based on hourly usage costs.

Table 9.F Estimated returns for various price/yield combinations, per acre
Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
Non-Delta Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Corn			2.85	3.04	3.23	3.42	3.61	3.81	4.00	4.19	4.38	4.57	4.76
PERCENT	YIELD	UNIT	dollars										
50	67.50	bu	-85	-72	-59	-46	-33	-20	-8	4	17	30	43
			-113	-100	-87	-75	-62	-49	-36	-23	-10	2	14
60	81.00	bu	-49	-33	-18	-3	12	27	43	58	74	89	104
			-77	-62	-46	-31	-16	-0	14	30	45	61	76
70	94.50	bu	-13	4	22	40	58	76	94	112	130	148	166
			-41	-23	-5	12	30	48	66	84	102	120	138
80	108.00	bu	22	42	63	84	104	125	145	166	186	207	228
			-6	14	35	55	76	96	117	137	158	179	199
90	121.50	bu	58	81	104	127	150	173	197	220	243	266	289
			29	52	76	99	122	145	168	191	214	238	261
100	135.00	bu	94	119	145	171	196	222	248	274	299	325	351
			65	91	117	142	168	194	219	245	271	297	322
110	148.50	bu	129	158	186	214	243	271	299	327	356	384	412
			101	129	158	186	214	242	271	299	327	356	384
120	162.00	bu	165	196	227	258	289	320	350	381	412	443	474
			137	168	199	229	260	291	322	353	384	415	445
130	175.50	bu	201	235	268	301	335	368	402	435	469	502	535
			173	206	240	273	306	340	373	407	440	474	507
140	189.00	bu	237	273	309	345	381	417	453	489	525	561	597
			209	245	281	317	353	389	425	461	497	533	569
150	202.50	bu	273	311	350	389	427	466	504	543	581	620	659
			244	283	322	360	399	437	476	514	553	592	630

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 2007 input prices.

Table 10.A Estimated costs per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Custom Apply	acre	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.00	0.7600	12.16	_____
Potash (60% K2O)	cwt	13.00	0.5800	7.54	_____
UAN (32% N)	cwt	12.00	3.0690	36.83	_____
HERBICIDES					
Bicep II Magnum	qt	9.41	3.0000	28.23	_____
SEED/PLANTS					
Sorghum Concept	lb	1.40	6.0000	8.40	_____
HAULING					
Haul Sorghum	bu	0.20	100.0000	20.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.3434	3.51	_____
Harvesters	hour	10.21	0.1021	1.04	_____
HAND LABOR					
Implements	hour	7.31	0.1756	1.29	_____
UNALLOCATED LABOR	hour	10.22	0.4010	4.10	_____
DIESEL FUEL					
Tractors	gal	2.33	3.0053	7.00	_____
Harvesters	gal	2.33	1.4457	3.37	_____
REPAIR & MAINTENANCE					
Implements	acre	3.99	1.0000	3.99	_____
Tractors	acre	1.22	1.0000	1.22	_____
Harvesters	acre	2.03	1.0000	2.03	_____
INTEREST ON OP. CAP.	acre	6.47	1.0000	6.47	_____

TOTAL DIRECT EXPENSES				172.18	_____
FIXED EXPENSES					
Implements	acre	9.60	1.0000	9.60	_____
Tractors	acre	9.40	1.0000	9.40	_____
Harvesters	acre	9.70	1.0000	9.70	_____

TOTAL FIXED EXPENSES				28.70	_____

TOTAL SPECIFIED EXPENSES				200.88	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 10.B Summary of estimated costs and returns per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grain Sorghum	bu	3.32	100.0000	332.00	_____
TOTAL INCOME				332.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	5.00	1.0000	5.00	_____
FERTILIZERS	acre	56.53	1.0000	56.53	_____
HERBICIDES	acre	28.23	1.0000	28.23	_____
SEED/PLANTS	acre	8.40	1.0000	8.40	_____
HAULING	acre	20.00	1.0000	20.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.1756	1.29	_____
OPERATOR LABOR	hour	10.21	0.4456	4.55	_____
UNALLOCATED LABOR	hour	10.22	0.4010	4.10	_____
DIESEL FUEL	gal	2.33	4.4510	10.37	_____
REPAIR & MAINTENANCE	acre	7.24	1.0000	7.24	_____
INTEREST ON OP. CAP.	acre	6.47	1.0000	6.47	_____
TOTAL DIRECT EXPENSES				172.18	_____
RETURNS ABOVE DIRECT EXPENSES				159.82	_____
TOTAL FIXED EXPENSES				28.70	_____
TOTAL SPECIFIED EXPENSES				200.88	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				131.12	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 10.C Estimated resource use for field operations, per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2008

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	Oct	0.5000				
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Apr		0.04	0.04	0.08	0.03
DAP	cwt					0.7600				
Potash (60% K2O)	cwt					0.5800				
Disk Harrow	24'	MFWD 170	0.081	1.00	Apr		0.08	0.08	0.08	0.07
Field Cultivate Fld	32'	MFWD 170	0.046	1.00	Apr		0.04	0.04	0.04	0.04
Fert Appl (Liquid)	12R-30	MFWD 170	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN (32% N)	cwt					3.0690				
Custom Apply	acre			1.00	May	1.0000				
Bicep II Magnum	qt					3.0000				
Plant - Rigid	12R-20	MFWD 170	0.094	1.00	May		0.09	0.09	0.18	0.08
Sorghum Concept	lb					6.0000				
Header Wheat/Sorghum	25' Rigid	275hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Sorghum	bu					100.0000				
TOTALS							0.44	0.44	0.62	0.40

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 10.D Estimated costs for field operations, per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Lime (Spread)	ton	20.00					1.75	21.75		21.75
Spin Spreader	5 ton		0.86	0.41	1.13		0.11	2.51	1.80	4.31
DAP	cwt	12.16					0.53	12.69		12.69
Potash (60% K2O)	cwt	7.54					0.33	7.87		7.87
Disk Harrow	24'		1.67	0.90	1.59		0.18	4.34	3.86	8.20
Field Cultivate Fld	32'		0.95	0.50	0.91		0.10	2.46	3.02	5.48
Fert Appl (Liquid)	12R-30		1.60	1.14	1.81		0.17	4.72	3.35	8.07
UAN (32% N)	cwt	36.83					1.34	38.17		38.17
Custom Apply	acre	5.00					0.18	5.18		5.18
Bicep II Magnum	qt	28.23					1.03	29.26		29.26
Plant - Rigid	12R-20		1.92	1.75	2.52		0.23	6.42	6.01	12.43
Sorghum Concept	lb	8.40					0.31	8.71		8.71
Header Wheat/Sorghum	25' Rigid		3.37	2.54	1.98		0.06	7.95	10.66	18.61
Haul Sorghum	bu	20.00					0.15	20.15		20.15
TOTALS		138.16	10.37	7.24	9.94	0.00	6.47	172.18	28.70	200.88

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 10.E Estimated monthly income and expense flows per acre
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	332.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	19.70	36.83	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.23	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.40	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00
CUSTOM LIME	20.00	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	3.63	4.33	0.00	0.00	0.00	1.98
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	3.48	3.52	0.00	0.00	0.00	3.37
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	1.81	2.89	0.00	0.00	0.00	2.54
INTEREST ON OP. CAP.	1.75	0.00	0.00	0.00	0.00	0.00	1.25	3.26	0.00	0.00	0.00	0.21
TOTAL DIRECT EXPENSES	21.75	0.00	0.00	0.00	0.00	0.00	29.87	92.46	0.00	0.00	0.00	28.10
NET INCOME	-21.75	0.00	0.00	0.00	0.00	0.00	-29.87	-92.46	0.00	0.00	0.00	303.90
NET INCOME TO DATE	-21.75	-21.75	-21.75	-21.75	-21.75	-21.75	-51.62	-144.08	-144.08	-144.08	-144.08	159.82

Note: Cost of production estimates are based on 2007 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
Grain sorghum, 12-row 30", 100 bu yield goal
All Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Grain Sorghum			2.49	2.65	2.82	2.98	3.15	3.32	3.48	3.65	3.81	3.98	4.15
PERCENT	YIELD	UNIT	dollars										
50	50.00	bu	-37	-29	-21	-12	-4	3	12	20	28	37	45
			-66	-58	-49	-41	-33	-24	-16	-8	0	8	16
60	60.00	bu	-14	-4	5	15	25	35	45	55	64	74	84
			-43	-33	-23	-13	-3	6	16	26	36	46	56
70	70.00	bu	8	19	31	43	54	66	77	89	101	112	124
			-20	-8	2	14	25	37	49	60	72	84	95
80	80.00	bu	31	44	57	70	84	97	110	124	137	150	163
			2	15	28	42	55	68	82	95	108	121	135
90	90.00	bu	53	68	83	98	113	128	143	158	173	188	203
			25	40	55	70	84	99	114	129	144	159	174
100	100.00	bu	76	93	110	126	143	159	176	193	209	226	242
			48	64	81	97	114	131	147	164	180	197	214
110	110.00	bu	99	117	136	154	172	191	209	227	245	264	282
			71	89	107	125	144	162	180	198	217	235	253
120	120.00	bu	122	142	162	182	202	222	242	262	281	301	321
			93	113	133	153	173	193	213	233	253	273	293
130	130.00	bu	145	167	188	210	231	253	274	296	318	339	361
			116	138	159	181	203	224	246	267	289	310	332
140	140.00	bu	168	191	214	238	261	284	307	331	354	377	400
			139	162	186	209	232	255	279	302	325	348	372
150	150.00	bu	191	216	241	265	290	315	340	365	390	415	440
			162	187	212	237	262	287	311	336	361	386	411

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 2007 input prices.

Table 11.A Estimated costs per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	3.0000	13.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.0000	16.00	_____
Potash (60% K2O)	cwt	13.00	0.7500	9.75	_____
Fert 41-0-0-4	cwt	21.25	2.8000	59.50	_____
FUNGICIDES					
Quilt	pt	15.06	0.8750	13.18	_____
HERBICIDES					
Osprey	oz	3.44	4.7500	16.34	_____
Harmony Extra XP	oz	14.83	0.6000	8.90	_____
SEED/PLANTS					
Wheat Seed Private	lb	0.27	90.0000	24.30	_____
ADJUVANTS					
Surfactant	pt	1.55	1.6000	2.48	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	5.00	2.8000	14.00	_____
HAULING					
Haul Wheat	bu	0.20	70.0000	14.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.2648	2.71	_____
Harvesters	hour	10.21	0.1021	1.04	_____
HAND LABOR					
Implements	hour	7.31	0.1363	1.00	_____
UNALLOCATED LABOR	hour	10.18	0.2936	2.99	_____
DIESEL FUEL					
Tractors	gal	2.33	2.3178	5.40	_____
Harvesters	gal	2.33	1.4457	3.37	_____
REPAIR & MAINTENANCE					
Implements	acre	2.85	1.0000	2.85	_____
Tractors	acre	0.94	1.0000	0.94	_____
Harvesters	acre	2.03	1.0000	2.03	_____
INTEREST ON OP. CAP.	acre	10.75	1.0000	10.75	_____

TOTAL DIRECT EXPENSES				245.04	_____
FIXED EXPENSES					
Implements	acre	7.73	1.0000	7.73	_____
Tractors	acre	7.25	1.0000	7.25	_____
Harvesters	acre	9.70	1.0000	9.70	_____

TOTAL FIXED EXPENSES				24.68	_____

TOTAL SPECIFIED EXPENSES				269.72	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 11.B Summary of estimated costs and returns per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	6.24	70.0000	436.80	_____
TOTAL INCOME				436.80	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	13.50	1.0000	13.50	_____
FERTILIZERS	acre	85.25	1.0000	85.25	_____
FUNGICIDES	acre	13.18	1.0000	13.18	_____
HERBICIDES	acre	25.24	1.0000	25.24	_____
SEED/PLANTS	acre	24.30	1.0000	24.30	_____
ADJUVANTS	acre	2.49	1.0000	2.49	_____
CUSTOM FERTILIZE	acre	14.00	1.0000	14.00	_____
HAULING	acre	14.00	1.0000	14.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.1363	1.00	_____
OPERATOR LABOR	hour	10.21	0.3670	3.75	_____
UNALLOCATED LABOR	hour	10.18	0.2936	2.99	_____
DIESEL FUEL	gal	2.33	3.7635	8.77	_____
REPAIR & MAINTENANCE	acre	5.82	1.0000	5.82	_____
INTEREST ON OP. CAP.	acre	10.75	1.0000	10.75	_____
TOTAL DIRECT EXPENSES				245.04	_____
RETURNS ABOVE DIRECT EXPENSES				191.76	_____
TOTAL FIXED EXPENSES				24.68	_____
TOTAL SPECIFIED EXPENSES				269.72	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				167.08	_____

Note: Cost of production estimates are based on 2007 input prices
Fertilization decisions should be based on soil tests.

Table 11.C Estimated resource use for field operations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Lime (Spread)	ton			0.25	Sep	0.5000				
Disk Harrow	24'	MFWD 170	0.081	1.00	Sep		0.08	0.08	0.08	0.06
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Sep		0.04	0.04	0.08	0.03
DAP	cwt					1.0000				
Potash (60% K2O)	cwt					0.7500				
Field Cultivate Fld	32'	MFWD 170	0.046	1.00	Sep		0.04	0.04	0.04	0.03
Grain Drill	20'	MFWD 170	0.094	1.00	Oct		0.09	0.09	0.18	0.07
Wheat Seed Private	lb					90.0000				
App by Air (5 gal)	appl			1.00	Nov	1.0000				
Osprey	oz					4.7500				
Surfactant	pt					1.5000				
App Fert by Air	cwt			1.00	Feb	1.4000				
Fert 41-0-0-4	cwt					1.4000				
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Harmony Extra XP	oz					0.6000				
Surfactant	pt					0.1000				
App Fert by Air	cwt			1.00	Mar	1.4000				
Fert 41-0-0-4	cwt					1.4000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Quilt	pt					0.8750				
Header Wheat/Sorghum	25' Rigid	275hp	0.102	1.00	Jun		0.10	0.10	0.10	0.08
Haul Wheat	bu					70.0000				
TOTALS							0.36	0.36	0.50	0.29

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 11.D Estimated costs for field operations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	DIRECT COST FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Lime (Spread)	ton	20.00					1.46	21.46		21.46
Disk Harrow	24'		1.67	0.90	1.51		0.30	4.38	3.86	8.24
Spin Spreader	5 ton		0.86	0.41	1.08		0.17	2.52	1.80	4.32
DAP	cwt	16.00					1.17	17.17		17.17
Potash (60% K2O)	cwt	9.75					0.71	10.46		10.46
Field Cultivate Fld	32'		0.95	0.50	0.86		0.17	2.48	3.02	5.50
Grain Drill	20'		1.92	1.47	2.42		0.38	6.19	5.34	11.53
Wheat Seed Private	lb	24.30					1.59	25.89		25.89
App by Air (5 gal)	appl	4.50					0.26	4.76		4.76
Osprey	oz	16.34					0.95	17.29		17.29
Surfactant	pt	2.33					0.14	2.47		2.47
App Fert by Air	cwt	7.00					0.26	7.26		7.26
Fert 41-0-0-4	cwt	29.75					1.08	30.83		30.83
App by Air (5 gal)	appl	4.50					0.16	4.66		4.66
Harmony Extra XP	oz	8.90					0.32	9.22		9.22
Surfactant	pt	0.16					0.01	0.17		0.17
App Fert by Air	cwt	7.00					0.20	7.20		7.20
Fert 41-0-0-4	cwt	29.75					0.87	30.62		30.62
App by Air (5 gal)	appl	4.50					0.10	4.60		4.60
Quilt	pt	13.18					0.29	13.47		13.47
Header Wheat/Sorghum	25' Rigid		3.37	2.54	1.87		0.06	7.84	10.66	18.50
Haul Wheat	bu	14.00					0.10	14.10		14.10
TOTALS		211.96	8.77	5.82	7.74	0.00	10.75	245.04	24.68	269.72

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.

Table 11.E Estimated monthly income and expense flows per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2008

ITEM	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	436.80
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	4.50	0.00	4.50	0.00	0.00
FERTILIZERS	0.00	0.00	25.75	0.00	0.00	0.00	0.00	29.75	29.75	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.18	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	16.34	0.00	0.00	8.90	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.16	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	7.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.00
CUSTOM LIME	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	3.45	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	3.48	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37
REPAIR & MAINTENANCE	0.00	0.00	1.81	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54
INTEREST ON OP. CAP.	0.00	0.00	3.98	1.97	1.35	0.00	0.00	1.83	1.07	0.39	0.00	0.16
TOTAL DIRECT EXPENSES	0.00	0.00	58.47	32.08	24.52	0.00	0.00	52.14	37.82	18.07	0.00	21.94
NET INCOME	0.00	0.00	-58.47	-32.08	-24.52	0.00	0.00	-52.14	-37.82	-18.07	0.00	414.86
NET INCOME TO DATE	0.00	0.00	-58.47	-90.55	-115.07	-115.07	-115.07	-167.21	-205.03	-223.10	-223.10	191.76

Note: Cost of production estimates are based on 2007 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
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2008

			PERCENT									
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Wheat			4.68	4.99	5.30	5.61	5.92	6.24	6.55	6.86	7.17	7.48	7.80
PERCENT	YIELD	UNIT	dollars										
50	35.00	bu	-74	-63	-52	-41	-30	-19	-8	2	13	24	35
			-98	-87	-77	-66	-55	-44	-33	-22	-11	-0	10
60	42.00	bu	-42	-29	-16	-3	9	22	35	48	61	75	88
			-67	-54	-41	-28	-15	-2	11	24	37	50	63
70	49.00	bu	-11	3	19	34	49	64	80	95	110	126	141
			-36	-20	-5	9	24	40	55	70	86	101	116
80	56.00	bu	19	37	54	72	89	107	124	142	159	177	194
			-4	12	30	47	65	82	100	117	134	152	169
90	63.00	bu	51	70	90	110	129	149	169	188	208	228	247
			26	46	65	85	105	124	144	164	183	203	223
100	70.00	bu	82	104	126	148	169	191	213	235	257	279	300
			57	79	101	123	145	167	188	210	232	254	276
110	77.00	bu	113	137	161	185	210	234	258	282	306	330	354
			89	113	137	161	185	209	233	257	281	305	329
120	84.00	bu	145	171	197	223	250	276	302	328	354	381	407
			120	146	172	199	225	251	277	304	330	356	382
130	91.00	bu	176	205	233	261	290	318	346	375	403	432	460
			151	180	208	237	265	293	322	350	379	407	435
140	98.00	bu	207	238	269	299	330	360	391	421	452	483	513
			183	213	244	275	305	336	366	397	427	458	489
150	105.00	bu	239	272	304	337	370	403	435	468	501	534	566
			214	247	280	312	345	378	411	443	476	509	542

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 2007 input prices.

Table 12.A Estimated costs per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FUNGICIDES					
Phorate	lb	2.28	5.0000	11.40	
Abound	pt	31.49	3.5000	110.21	
Tilt 3.6 EC	oz	2.62	10.0000	26.20	
Bravo Weather Stick	pt	5.57	5.0000	27.85	
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	
Dual II Magnum	pt	13.43	1.0000	13.43	
Storm	pt	9.50	3.0000	28.50	
Cadre DG Eco-Pak	oz	13.75	2.8800	39.60	
Butoxone 200(2,4-DB)	pt	4.05	2.0000	8.10	
Poast Plus	pt	6.37	1.5000	9.56	
INSECTICIDES					
Karate Z	oz	3.10	1.5000	4.65	
SEED/PLANTS					
Peanut Seed	lb	0.57	100.0000	57.00	
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	2.46	6.0000	14.76	
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	
INOCULANT					
Innoculant (Liquid)	pt	10.34	1.0000	10.34	
OPERATOR LABOR					
Tractors	hour	10.21	1.6246	16.59	
Self-Propelled	hour	10.21	0.2203	2.25	
HAND LABOR					
Implements	hour	7.31	0.1207	0.88	
Self-Propelled	hour	7.31	0.1101	0.75	
UNALLOCATED LABOR	hour	10.17	1.4760	15.02	
DIESEL FUEL					
Tractors	gal	2.33	17.5722	40.94	
Self-Propelled	gal	2.33	1.2477	2.88	
REPAIR & MAINTENANCE					
Implements	acre	7.80	1.0000	7.80	
Tractors	acre	6.69	1.0000	6.69	
Self-Propelled	acre	0.88	1.0000	0.88	
INTEREST ON OP. CAP.	acre	11.79	1.0000	11.79	

TOTAL DIRECT EXPENSES				557.05	
FIXED EXPENSES					
Implements	acre	36.51	1.0000	36.51	
Tractors	acre	51.79	1.0000	51.79	
Self-Propelled	acre	7.37	1.0000	7.37	

TOTAL FIXED EXPENSES				95.67	

TOTAL SPECIFIED EXPENSES				652.72	

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 12.B Summary of estimated costs and returns per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	475.00	1.8000	855.00	_____
TOTAL INCOME				855.00	_____
DIRECT EXPENSES					
FUNGICIDES	acre	175.68	1.0000	175.68	_____
HERBICIDES	acre	108.59	1.0000	108.59	_____
INSECTICIDES	acre	4.65	1.0000	4.65	_____
SEED/PLANTS	acre	57.00	1.0000	57.00	_____
ADJUVANTS	acre	14.76	1.0000	14.76	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
INOCULANT	acre	10.34	1.0000	10.34	_____
HAND LABOR	hour	7.31	0.2309	1.63	_____
OPERATOR LABOR	hour	10.21	1.8450	18.84	_____
UNALLOCATED LABOR	hour	10.17	1.4760	15.02	_____
DIESEL FUEL	gal	2.33	18.8200	43.82	_____
REPAIR & MAINTENANCE	acre	15.37	1.0000	15.37	_____
INTEREST ON OP. CAP.	acre	11.79	1.0000	11.79	_____
TOTAL DIRECT EXPENSES				557.05	_____
RETURNS ABOVE DIRECT EXPENSES				297.95	_____
TOTAL FIXED EXPENSES				95.67	_____
TOTAL SPECIFIED EXPENSES				652.72	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				202.28	_____

Note: Cost of production estimates are based on 2007 input prices..
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 12.C Estimated resource use for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Sprayer(300-450Gal)	60'		0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate Plus 4L	pt					4.0000				
Rip/Bed/Till Fold	8R-38	MFWD 190	0.073	1.00	May		0.07	0.07	0.07	0.05
Peanut Plt&Pre Rigid	8R-38	MFWD 190	0.120	1.00	May		0.12	0.12	0.24	0.09
Peanut Seed	lb					100.0000				
Innoculant (Liquid)	pt					1.0000				
Phorate	lb					5.0000				
Abound	pt					0.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre DG Eco-Pak	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Abound	pt					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre DG Eco-Pak	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Aug			0.01	0.02	0.01
Abound	pt					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Aug			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Peanut Dig/Invertor	4R-38	MFWD 190	0.186	1.00	Sep		0.18	0.18	0.18	0.14
Peanut Harvester	4R-38	MFWD 225	0.934	1.00	Sep		0.93	0.93	0.93	0.74
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Dry Peanuts	ton			1.00	Sep	1.0800				
Cleaning Peanuts	ton			1.00	Sep	1.5300				
Haul Peanuts	ton			1.00	Sep	1.8000				
							-------	-------	-------	-------
TOTALS							1.84	1.62	2.07	1.47

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 12.D Estimated costs for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
		dollars								
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.03	0.71	0.59	1.30
Glyphosate Plus 4L	pt	9.40					0.41	9.81		9.81
Rip/Bed/Till Fold	8R-38		1.67	0.36	1.35		0.12	3.50	2.70	6.20
Peanut Plt&Pre Rigid	8R-38		2.75	1.74	3.10		0.28	7.87	6.60	14.47
Peanut Seed	lb	57.00					2.08	59.08		59.08
Innoculant (Liquid)	pt	10.34					0.38	10.72		10.72
Phorate	lb	11.40					0.42	11.82		11.82
Abound	pt	15.75					0.57	16.32		16.32
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Dual II Magnum	pt	13.43					0.49	13.92		13.92
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.19	5.43		5.43
Bravo Weather Stick	pt	5.57					0.20	5.77		5.77
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.15	5.39		5.39
Bravo Weather Stick	pt	5.57					0.16	5.73		5.73
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Storm	pt	14.25					0.42	14.67		14.67
Cadre DG Eco-Pak	oz	19.80					0.58	20.38		20.38
Butoxone 200(2,4-DB)	pt	4.05					0.12	4.17		4.17
Crop Oil Conc.(Veg.)	pt	4.92					0.14	5.06		5.06
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.15	5.39		5.39
Bravo Weather Stick	pt	5.57					0.16	5.73		5.73
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Abound	pt	47.24					1.03	48.27		48.27
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Storm	pt	14.25					0.31	14.56		14.56
Cadre DG Eco-Pak	oz	19.80					0.43	20.23		20.23
Butoxone 200(2,4-DB)	pt	4.05					0.09	4.14		4.14
Crop Oil Conc.(Veg.)	pt	4.92					0.11	5.03		5.03
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Poast Plus	pt	9.56					0.21	9.77		9.77
Crop Oil Conc.(Veg.)	pt	4.92					0.11	5.03		5.03
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Tilt 3.6 EC	oz	5.24					0.11	5.35		5.35
Bravo Weather Stick	pt	5.57					0.12	5.69		5.69
Sprayer(300-450Gal)	60'		0.12	0.04	0.19		0.01	0.36	0.29	0.65
Karate Z	oz	4.65					0.07	4.72		4.72
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Abound	pt	47.24					0.69	47.93		47.93
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Tilt 3.6 EC	oz	5.24					0.08	5.32		5.32
Bravo Weather Stick	pt	5.57					0.08	5.65		5.65
Peanut Dig/Invertor	4R-38		4.24	1.64	3.42		0.07	9.37	6.84	16.21
Peanut Harvester	4R-38		25.22	9.13	17.17		0.38	51.90	60.58	112.48
Peanut Dump Cart	6-Row		7.06	1.62	5.70		0.10	14.48	11.58	26.06
Dry Peanuts	ton	25.92					0.19	26.11		26.11
Cleaning Peanuts	ton	27.54					0.20	27.74		27.74
Haul Peanuts	ton	26.10					0.19	26.29		26.29
TOTALS		450.58	43.82	15.37	35.49	0.00	11.79	557.05	95.67	652.72

Note: Cost of production estimates are based on 2007 input prices..
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 12.E Estimated monthly income and expense flows per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	855.00
DIRECT EXPENSES												
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.96	21.62	58.05	58.05	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	9.40	13.43	38.10	47.66	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.65	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.92	9.84	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.34	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.38	5.21	1.14	1.52	0.95	26.29
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	0.23	4.88	0.69	0.92	0.58	36.52
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.07	2.24	0.21	0.28	0.18	12.39
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	0.44	4.77	1.94	2.56	0.95	1.13
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	10.52	135.83	68.62	120.83	65.36	155.89
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-10.52	-135.83	-68.62	-120.83	-65.36	699.11
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-10.52	-146.35	-214.97	-335.80	-401.16	297.95

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 12.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			356.25	380.00	403.75	427.50	451.25	475.00	498.75	522.50	546.25	570.00	593.75
PERCENT	YIELD	UNIT	dollars										
50	0.90	ton	-196	-174	-153	-132	-110	-89	-68	-46	-25	-3	17
			-292	-270	-249	-227	-206	-185	-163	-142	-121	-99	-78
60	1.08	ton	-140	-114	-88	-63	-37	-11	13	39	64	90	116
			-235	-210	-184	-158	-133	-107	-82	-56	-30	-5	20
70	1.26	ton	-84	-54	-24	5	35	65	95	125	155	185	215
			-179	-149	-119	-90	-60	-30	-0	29	59	89	119
80	1.44	ton	-28	6	40	74	108	142	177	211	245	279	313
			-123	-89	-55	-21	13	47	81	115	149	184	218
90	1.62	ton	28	66	105	143	181	220	258	297	335	374	412
			-67	-29	9	47	86	124	163	201	240	278	317
100	1.80	ton	84	126	169	212	255	297	340	383	426	468	511
			-11	31	74	116	159	202	245	287	330	373	416
110	1.98	ton	140	187	234	281	328	375	422	469	516	563	610
			44	91	138	185	232	279	326	373	420	467	514
120	2.16	ton	196	247	299	350	401	452	504	555	606	658	709
			100	152	203	254	305	357	408	459	511	562	613
130	2.34	ton	252	308	363	419	474	530	585	641	697	752	808
			156	212	268	323	379	434	490	545	601	657	712
140	2.52	ton	308	368	428	488	548	607	667	727	787	847	907
			212	272	332	392	452	512	572	631	691	751	811
150	2.70	ton	364	428	493	557	621	685	749	813	877	941	1006
			269	333	397	461	525	589	653	717	782	846	910

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 2007 input prices.

Table 13.A Estimated costs per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FUNGICIDES					
Phorate	lb	2.28	5.0000	11.40	_____
Abound	pt	31.49	3.5000	110.21	_____
Tilt 3.6 EC	oz	2.62	10.0000	26.20	_____
Bravo Weather Stick	pt	5.57	5.0000	27.85	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Dual II Magnum	pt	13.43	1.0000	13.43	_____
Storm	pt	9.50	3.0000	28.50	_____
Cadre DG Eco-Pak	oz	13.75	2.8800	39.60	_____
Butoxone 200(2,4-DB)	pt	4.05	2.0000	8.10	_____
Poast Plus	pt	6.37	1.5000	9.56	_____
INSECTICIDES					
Karate Z	oz	3.10	1.5000	4.65	_____
SEED/PLANTS					
Peanut Seed	lb	0.57	100.0000	57.00	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	2.46	6.0000	14.76	_____
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
INOCULANT					
Innoculant (Liquid)	pt	10.34	1.0000	10.34	_____
OPERATOR LABOR					
Tractors	hour	10.21	1.7225	17.59	_____
Self-Propelled	hour	10.21	0.2203	2.25	_____
HAND LABOR					
Implements	hour	7.31	0.1527	1.12	_____
Self-Propelled	hour	7.31	0.1101	0.75	_____
UNALLOCATED LABOR	hour	10.17	1.5543	15.82	_____
DIESEL FUEL					
Tractors	gal	2.33	18.5301	43.17	_____
Self-Propelled	gal	2.33	1.2477	2.88	_____
REPAIR & MAINTENANCE					
Implements	acre	8.34	1.0000	8.34	_____
Tractors	acre	7.06	1.0000	7.06	_____
Self-Propelled	acre	0.88	1.0000	0.88	_____
INTEREST ON OP. CAP.	acre	11.98	1.0000	11.98	_____

TOTAL DIRECT EXPENSES				562.42	_____
FIXED EXPENSES					
Implements	acre	38.05	1.0000	38.05	_____
Tractors	acre	54.62	1.0000	54.62	_____
Self-Propelled	acre	7.37	1.0000	7.37	_____

TOTAL FIXED EXPENSES				100.04	_____

TOTAL SPECIFIED EXPENSES				662.46	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 13.B Summary of estimated costs and returns per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	475.00	1.8000	855.00	_____
TOTAL INCOME				855.00	_____
DIRECT EXPENSES					
FUNGICIDES	acre	175.68	1.0000	175.68	_____
HERBICIDES	acre	108.59	1.0000	108.59	_____
INSECTICIDES	acre	4.65	1.0000	4.65	_____
SEED/PLANTS	acre	57.00	1.0000	57.00	_____
ADJUVANTS	acre	14.76	1.0000	14.76	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
INOCULANT	acre	10.34	1.0000	10.34	_____
HAND LABOR	hour	7.31	0.2629	1.87	_____
OPERATOR LABOR	hour	10.21	1.9429	19.84	_____
UNALLOCATED LABOR	hour	10.17	1.5543	15.82	_____
DIESEL FUEL	gal	2.33	19.7778	46.05	_____
REPAIR & MAINTENANCE	acre	16.28	1.0000	16.28	_____
INTEREST ON OP. CAP.	acre	11.98	1.0000	11.98	_____
TOTAL DIRECT EXPENSES				562.42	_____
RETURNS ABOVE DIRECT EXPENSES				292.58	_____
TOTAL FIXED EXPENSES				100.04	_____
TOTAL SPECIFIED EXPENSES				662.46	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				192.54	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 13.C Estimated resource use for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Sprayer(300-450Gal)	60'		0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate Plus 4L	pt					4.0000				
Rip/Bed/Till Rigid	8R-30	MFWD 190	0.139	1.00	May		0.13	0.13	0.13	0.11
Peanut Plt&Pre Rigid	8R-30	MFWD 190	0.152	1.00	May		0.15	0.15	0.30	0.12
Peanut Seed	lb					100.0000				
Innoculant (Liquid)	pt					1.0000				
Phorate	lb					5.0000				
Abound	pt					0.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre DG Eco-Pak	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Abound	pt					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre DG Eco-Pak	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Aug			0.01	0.02	0.01
Abound	pt					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Aug			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Peanut Dig/Invertor	4R-38	MFWD 190	0.186	1.00	Sep		0.18	0.18	0.18	0.14
Peanut Harvester	4R-38	MFWD 225	0.934	1.00	Sep		0.93	0.93	0.93	0.74
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Dry Peanuts	ton			1.00	Sep	1.0800				
Cleaning Peanuts	ton			1.00	Sep	1.5300				
Haul Peanuts	ton			1.00	Sep	1.8000				
							-------	-------	-------	-------
TOTALS							1.94	1.72	2.20	1.55

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 13.D Estimated costs for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
		dollars								
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.03	0.71	0.59	1.30
Glyphosate Plus 4L	pt	9.40					0.41	9.81		9.81
Rip/Bed/Till Rigid	8R-30		3.17	0.67	2.56		0.23	6.63	4.98	11.61
Peanut Plt&Pre Rigid	8R-30		3.48	2.34	3.93		0.36	10.11	8.69	18.80
Peanut Seed	lb	57.00					2.08	59.08		59.08
Innoculant (Liquid)	pt	10.34					0.38	10.72		10.72
Phorate	lb	11.40					0.42	11.82		11.82
Abound	pt	15.75					0.57	16.32		16.32
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Dual II Magnum	pt	13.43					0.49	13.92		13.92
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.19	5.43		5.43
Bravo Weather Stick	pt	5.57					0.20	5.77		5.77
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.15	5.39		5.39
Bravo Weather Stick	pt	5.57					0.16	5.73		5.73
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Storm	pt	14.25					0.42	14.67		14.67
Cadre DG Eco-Pak	oz	19.80					0.58	20.38		20.38
Butoxone 200(2,4-DB)	pt	4.05					0.12	4.17		4.17
Crop Oil Conc.(Veg.)	pt	4.92					0.14	5.06		5.06
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.15	5.39		5.39
Bravo Weather Stick	pt	5.57					0.16	5.73		5.73
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Abound	pt	47.24					1.03	48.27		48.27
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Storm	pt	14.25					0.31	14.56		14.56
Cadre DG Eco-Pak	oz	19.80					0.43	20.23		20.23
Butoxone 200(2,4-DB)	pt	4.05					0.09	4.14		4.14
Crop Oil Conc.(Veg.)	pt	4.92					0.11	5.03		5.03
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Poast Plus	pt	9.56					0.21	9.77		9.77
Crop Oil Conc.(Veg.)	pt	4.92					0.11	5.03		5.03
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Tilt 3.6 EC	oz	5.24					0.11	5.35		5.35
Bravo Weather Stick	pt	5.57					0.12	5.69		5.69
Sprayer(300-450Gal)	60'		0.12	0.04	0.19		0.01	0.36	0.29	0.65
Karate Z	oz	4.65					0.07	4.72		4.72
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Abound	pt	47.24					0.69	47.93		47.93
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Tilt 3.6 EC	oz	5.24					0.08	5.32		5.32
Bravo Weather Stick	pt	5.57					0.08	5.65		5.65
Peanut Dig/Invertor	4R-38		4.24	1.64	3.42		0.07	9.37	6.84	16.21
Peanut Harvester	4R-38		25.22	9.13	17.17		0.38	51.90	60.58	112.48
Peanut Dump Cart	6-Row		7.06	1.62	5.70		0.10	14.48	11.58	26.06
Dry Peanuts	ton	25.92					0.19	26.11		26.11
Cleaning Peanuts	ton	27.54					0.20	27.74		27.74
Haul Peanuts	ton	26.10					0.19	26.29		26.29
TOTALS		450.58	46.05	16.28	37.53	0.00	11.98	562.42	100.04	662.46

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 13.E Estimated monthly income and expense flows per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	855.00
DIRECT EXPENSES												
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.96	21.62	58.05	58.05	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	9.40	13.43	38.10	47.66	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.65	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.92	9.84	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.34	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.38	7.25	1.14	1.52	0.95	26.29
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	0.23	7.11	0.69	0.92	0.58	36.52
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.07	3.15	0.21	0.28	0.18	12.39
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	0.44	4.96	1.94	2.56	0.95	1.13
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	10.52	141.20	68.62	120.83	65.36	155.89
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-10.52	-141.20	-68.62	-120.83	-65.36	699.11
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-10.52	-151.72	-220.34	-341.17	-406.53	292.58

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.Table

Table 13.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			356.25	380.00	403.75	427.50	451.25	475.00	498.75	522.50	546.25	570.00	593.75
PERCENT	YIELD	UNIT	dollars										
50	0.90	ton	-201	-180	-158	-137	-116	-94	-73	-52	-30	-9	12
			-301	-280	-259	-237	-216	-194	-173	-152	-130	-109	-88
60	1.08	ton	-145	-119	-94	-68	-43	-17	8	33	59	85	110
			-245	-220	-194	-168	-143	-117	-91	-66	-40	-14	10
70	1.26	ton	-89	-59	-29	0	30	60	90	119	149	179	209
			-189	-159	-129	-99	-69	-39	-9	19	49	79	109
80	1.44	ton	-33	0	35	69	103	137	171	206	240	274	308
			-133	-99	-65	-30	3	37	71	105	140	174	208
90	1.62	ton	22	61	99	138	176	215	253	292	330	368	407
			-77	-38	-0	38	76	115	153	192	230	268	307
100	1.80	ton	78	121	164	207	249	292	335	378	420	463	506
			-21	21	64	107	149	192	235	278	320	363	406
110	1.98	ton	134	181	228	276	323	370	417	464	511	558	605
			34	81	128	175	223	270	317	364	411	458	505
120	2.16	ton	191	242	293	344	396	447	498	550	601	652	704
			91	142	193	244	296	347	398	450	501	552	604
130	2.34	ton	247	302	358	413	469	525	580	636	691	747	802
			147	202	258	313	369	424	480	536	591	647	702
140	2.52	ton	303	363	422	482	542	602	662	722	782	841	901
			203	263	322	382	442	502	562	622	682	741	801
150	2.70	ton	359	423	487	551	615	680	744	808	872	936	1000
			259	323	387	451	515	579	644	708	772	836	900

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 2007 input prices.

Table 14.A Estimated costs per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FUNGICIDES					
Phorate	lb	2.28	5.0000	11.40	_____
Abound	pt	31.49	3.5000	110.21	_____
Tilt 3.6 EC	oz	2.62	10.0000	26.20	_____
Bravo Weather Stick	pt	5.57	5.0000	27.85	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Dual II Magnum	pt	13.43	1.0000	13.43	_____
Storm	pt	9.50	3.0000	28.50	_____
Cadre DG Eco-Pak	oz	13.75	2.8800	39.60	_____
Butoxone 200(2,4-DB)	pt	4.05	2.0000	8.10	_____
Poast Plus	pt	6.37	1.5000	9.56	_____
INSECTICIDES					
Karate Z	oz	3.10	1.5000	4.65	_____
SEED/PLANTS					
Peanut Seed	lb	0.57	100.0000	57.00	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	2.46	6.0000	14.76	_____
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
INOCULANT					
Innoculant (Liquid)	pt	10.34	1.0000	10.34	_____
OPERATOR LABOR					
Tractors	hour	10.21	1.1856	12.11	_____
Self-Propelled	hour	10.21	0.2203	2.25	_____
HAND LABOR					
Implements	hour	7.31	0.0804	0.59	_____
Self-Propelled	hour	7.31	0.1101	0.75	_____
UNALLOCATED LABOR	hour	10.17	1.1248	11.44	_____
DIESEL FUEL					
Tractors	gal	2.33	12.8051	29.84	_____
Self-Propelled	gal	2.33	1.2477	2.88	_____
REPAIR & MAINTENANCE					
Implements	acre	6.14	1.0000	6.14	_____
Tractors	acre	4.88	1.0000	4.88	_____
Self-Propelled	acre	0.88	1.0000	0.88	_____
INTEREST ON OP. CAP.	acre	11.54	1.0000	11.54	_____

TOTAL DIRECT EXPENSES				533.88	_____
FIXED EXPENSES					
Implements	acre	30.86	1.0000	30.86	_____
Tractors	acre	37.74	1.0000	37.74	_____
Self-Propelled	acre	7.37	1.0000	7.37	_____

TOTAL FIXED EXPENSES				75.97	_____

TOTAL SPECIFIED EXPENSES				609.85	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 14.B Summary of estimated costs and returns per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	475.00	1.8000	855.00	_____
TOTAL INCOME				855.00	_____
DIRECT EXPENSES					
FUNGICIDES	acre	175.68	1.0000	175.68	_____
HERBICIDES	acre	108.59	1.0000	108.59	_____
INSECTICIDES	acre	4.65	1.0000	4.65	_____
SEED/PLANTS	acre	57.00	1.0000	57.00	_____
ADJUVANTS	acre	14.76	1.0000	14.76	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
INOCULANT	acre	10.34	1.0000	10.34	_____
HAND LABOR	hour	7.31	0.1905	1.34	_____
OPERATOR LABOR	hour	10.21	1.4060	14.36	_____
UNALLOCATED LABOR	hour	10.17	1.1248	11.44	_____
DIESEL FUEL	gal	2.33	14.0528	32.72	_____
REPAIR & MAINTENANCE	acre	11.90	1.0000	11.90	_____
INTEREST ON OP. CAP.	acre	11.54	1.0000	11.54	_____
TOTAL DIRECT EXPENSES				533.88	_____
RETURNS ABOVE DIRECT EXPENSES				321.12	_____
TOTAL FIXED EXPENSES				75.97	_____
TOTAL SPECIFIED EXPENSES				609.85	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				245.15	_____

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 14.C Estimated resource use for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------	hours	----------	
Sprayer(300-450Gal)	60'		0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate Plus 4L	pt					4.0000				
Rip/Bed/Till Fold	12R-38	MFWD 225	0.046	1.00	May		0.04	0.04	0.04	0.03
Peanut Plt&Pre Fold	12R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Peanut Seed	lb					100.0000				
Innoculant (Liquid)	pt					1.0000				
Phorate	lb					5.0000				
Abound	pt					0.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	May			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre DG Eco-Pak	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jun			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Abound	pt					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre DG Eco-Pak	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer(300-450Gal)	60'		0.017	1.00	Jul			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Sprayer(300-450Gal)	60'		0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Aug			0.01	0.02	0.01
Abound	pt					1.5000				
Sprayer(300-450Gal)	60'		0.017	1.00	Aug			0.01	0.02	0.01
Tilt 3.6 EC	oz					2.0000				
Bravo Weather Stick	pt					1.0000				
Peanut Dig/Invertor	6R-38	MFWD 190	0.124	1.00	Sep		0.12	0.12	0.12	0.09
Peanut Harvester	6R-38	MFWD 225	0.625	1.00	Sep		0.62	0.62	0.62	0.50
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Dry Peanuts	ton			1.00	Sep	1.0800				
Cleaning Peanuts	ton			1.00	Sep	1.5300				
Haul Peanuts	ton			1.00	Sep	1.8000				
							-------	-------	-------	-------
TOTALS							1.40	1.18	1.59	1.12

Note: Cost of production estimates are based on 2007 input prices..
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 14.D Estimated costs for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
		dollars								
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.03	0.71	0.59	1.30
Glyphosate Plus 4L	pt	9.40					0.41	9.81		9.81
Rip/Bed/Till Fold	12R-38		1.25	0.28	0.85		0.09	2.47	2.13	4.60
Peanut Plt&Pre Fold	12R-38		1.83	1.93	2.07		0.21	6.04	6.26	12.30
Peanut Seed	lb	57.00					2.08	59.08		59.08
Innoculant (Liquid)	pt	10.34					0.38	10.72		10.72
Phorate	lb	11.40					0.42	11.82		11.82
Abound	pt	15.75					0.57	16.32		16.32
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Dual II Magnum	pt	13.43					0.49	13.92		13.92
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.19	5.43		5.43
Bravo Weather Stick	pt	5.57					0.20	5.77		5.77
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.15	5.39		5.39
Bravo Weather Stick	pt	5.57					0.16	5.73		5.73
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Storm	pt	14.25					0.42	14.67		14.67
Cadre DG Eco-Pak	oz	19.80					0.58	20.38		20.38
Butoxone 200(2,4-DB)	pt	4.05					0.12	4.17		4.17
Crop Oil Conc.(Veg.)	pt	4.92					0.14	5.06		5.06
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.02	0.70	0.59	1.29
Tilt 3.6 EC	oz	5.24					0.15	5.39		5.39
Bravo Weather Stick	pt	5.57					0.16	5.73		5.73
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Abound	pt	47.24					1.03	48.27		48.27
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Storm	pt	14.25					0.31	14.56		14.56
Cadre DG Eco-Pak	oz	19.80					0.43	20.23		20.23
Butoxone 200(2,4-DB)	pt	4.05					0.09	4.14		4.14
Crop Oil Conc.(Veg.)	pt	4.92					0.11	5.03		5.03
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Poast Plus	pt	9.56					0.21	9.77		9.77
Crop Oil Conc.(Veg.)	pt	4.92					0.11	5.03		5.03
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Tilt 3.6 EC	oz	5.24					0.11	5.35		5.35
Bravo Weather Stick	pt	5.57					0.12	5.69		5.69
Sprayer(300-450Gal)	60'		0.12	0.04	0.19		0.01	0.36	0.29	0.65
Karate Z	oz	4.65					0.07	4.72		4.72
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Abound	pt	47.24					0.69	47.93		47.93
Sprayer(300-450Gal)	60'		0.23	0.07	0.38		0.01	0.69	0.59	1.28
Tilt 3.6 EC	oz	5.24					0.08	5.32		5.32
Bravo Weather Stick	pt	5.57					0.08	5.65		5.65
Peanut Dig/Invertor	6R-38		2.83	1.10	2.28		0.05	6.26	4.97	11.23
Peanut Harvester	6R-38		16.87	6.09	11.49		0.25	34.70	43.66	78.36
Peanut Dump Cart	6-Row		7.06	1.62	5.70		0.10	14.48	11.58	26.06
Dry Peanuts	ton	25.92					0.19	26.11		26.11
Cleaning Peanuts	ton	27.54					0.20	27.74		27.74
Haul Peanuts	ton	26.10					0.19	26.29		26.29
TOTALS		450.58	32.72	11.90	27.14	0.00	11.54	533.88	75.97	609.85

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 14.E Estimated monthly income and expense flows per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	855.00
DIRECT EXPENSES												
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.96	21.62	58.05	58.05	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	9.40	13.43	38.10	47.66	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.65	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.92	9.84	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.34	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.38	3.68	1.14	1.52	0.95	19.47
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	0.23	3.54	0.69	0.92	0.58	26.76
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.07	2.35	0.21	0.28	0.18	8.81
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	0.44	4.67	1.94	2.56	0.95	0.98
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	10.52	132.97	68.62	120.83	65.36	135.58
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-10.52	-132.97	-68.62	-120.83	-65.36	719.42
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-10.52	-143.49	-212.11	-332.94	-398.30	321.12

Note: Cost of production estimates are based on 2007 input prices.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 14.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2008

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			356.25	380.00	403.75	427.50	451.25	475.00	498.75	522.50	546.25	570.00	593.75
PERCENT	YIELD	UNIT	dollars										
50	0.90	ton	-173	-151	-130	-109	-87	-66	-44	-23	-2	19	40
			-249	-227	-206	-185	-163	-142	-120	-99	-78	-56	-35
60	1.08	ton	-117	-91	-65	-40	-14	11	36	62	88	113	139
			-193	-167	-141	-116	-90	-64	-39	-13	12	37	63
70	1.26	ton	-60	-31	-1	28	58	88	118	148	178	208	238
			-136	-107	-77	-47	-17	12	42	72	102	132	162
80	1.44	ton	-4	29	63	97	131	166	200	234	268	302	337
			-80	-46	-12	21	55	90	124	158	192	226	261
90	1.62	ton	51	89	128	166	205	243	282	320	359	397	436
			-24	13	52	90	129	167	206	244	283	321	360
100	1.80	ton	107	150	192	235	278	321	363	406	449	492	534
			31	74	116	159	202	245	287	330	373	416	458
110	1.98	ton	163	210	257	304	351	398	445	492	539	586	633
			87	134	181	228	275	322	369	416	463	510	557
120	2.16	ton	219	270	322	373	424	476	527	578	629	681	732
			143	194	246	297	348	400	451	502	554	605	656
130	2.34	ton	275	331	386	442	498	553	609	664	720	775	831
			199	255	310	366	422	477	533	588	644	699	755
140	2.52	ton	331	391	451	511	571	631	690	750	810	870	930
			255	315	375	435	495	555	614	674	734	794	854
150	2.70	ton	387	452	516	580	644	708	772	836	900	965	1029
			311	376	440	504	568	632	696	760	824	889	953

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 2007 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, 2008

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 (200-249 hp)	240hp	161,548	300	8	12.35	10.21	28.77	16.82	55.81	80.57	136.38
Combine (250-299 hp)	275hp	190,410	300	8	14.15	10.21	32.96	19.83	63.01	94.97	157.98
Combine (250-299 hp)	Grass295hp	211,248	300	8	15.18	10.21	35.36	22.00	67.58	105.36	172.94
Combine (300-349 hp)	325hp	224,696	300	8	16.73	10.21	38.98	23.40	72.59	112.07	184.66
Combine (350-379 hp)	370hp	241,674	300	8	19.04	10.21	44.36	25.17	79.74	120.54	200.28
Combine (395-420)	400hp	272,072	300	8	20.58	10.21	47.95	28.34	86.50	135.70	222.20
Cotton Stripper	173 hp	127,505	200	8	8.08	10.21	18.82	19.92	48.95	95.39	144.35
Tractor(40-59hp)Cab	2WD 50	28,063	600	8	2.57	10.21	5.99	0.87	17.08	6.56	23.65
Tractor(40-59hp)Cab	MFWD 50	31,198	600	8	2.57	10.21	5.99	0.97	17.18	7.30	24.48
Tractor(40-59hp)RB	2WD 50	18,365	600	8	2.57	10.21	5.99	0.57	16.78	4.29	21.07
Tractor(40-59hp)RB	MFWD 50	23,443	600	8	2.57	10.21	5.99	0.73	16.93	5.48	22.42
Tractor(60-89hp)CAB	2WD 75	38,645	600	8	3.86	10.21	8.99	1.20	20.41	9.04	29.45
Tractor(60-89hp)CAB	MFWD 75	43,217	600	8	3.86	10.21	8.99	1.35	20.55	10.11	30.66
Tractor(60-89hp)RB	2WD 75	28,341	600	8	3.86	10.21	8.99	0.88	20.09	6.63	26.72
Tractor(60-89hp)RB	MFWD 75	32,988	600	8	3.86	10.21	8.99	1.03	20.23	7.71	27.95
Tractor(90-119hp)CB	2WD 105	54,618	600	8	5.40	10.21	12.59	1.70	24.50	12.78	37.29
Tractor(90-119hp)CB	MFWD 105	63,805	600	8	5.40	10.21	12.59	1.99	24.79	14.93	39.72
Tractor(90-119hp)RB	2WD 105	39,972	600	8	5.40	10.21	12.59	1.24	24.05	9.35	33.40
Tractor(90-119hp)RB	MFWD 105	47,062	600	8	5.40	10.21	12.59	1.47	24.27	11.01	35.28
Tractor(120-139hp)CB	2WD 130	78,141	600	8	6.69	10.21	15.59	2.44	28.24	18.28	46.52
Tractor(120-139hp)CB	MFWD 130	87,621	600	8	6.69	10.21	15.59	2.73	28.53	20.50	49.04
Tractor(140-159hp)CB	2WD 150	86,566	600	8	7.72	10.21	17.98	2.70	30.90	20.25	51.16
Tractor(140-159hp)CB	MFWD 150	101,499	600	8	7.72	10.21	17.98	3.17	31.37	23.75	55.12
Tractor(160-179hp)CB	2WD 170	92,716	600	8	8.75	10.21	20.38	2.89	33.49	22.40	55.90
Tractor(160-179hp)CB	MFWD 170	113,379	600	8	8.75	10.21	20.38	3.54	34.14	27.40	61.54
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	10.21	21.58	4.45	36.25	34.49	70.74
Tractor(180-199hp)CB	2WD 190	107,324	600	8	9.77	10.21	22.78	3.35	36.35	25.93	62.29
Tractor(180-199hp)CB	MFWD 190	119,337	600	8	9.77	10.21	22.78	3.72	36.72	28.84	65.56
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	10.21	26.98	4.59	41.79	35.54	77.33
Tractor(200-249hp)CB	MFWD 225	141,170	600	8	11.58	10.21	26.98	4.41	41.60	34.11	75.72
Tractor(200-249hp)CB	Track 225	163,877	600	8	11.58	10.21	26.98	5.12	42.31	39.60	81.92
Tractor(250-349hp)CB	4WD 300	151,284	600	8	15.44	10.21	35.97	4.72	50.91	36.56	87.48
Tractor(250-349hp)CB	MFWD 300	167,310	600	8	15.44	10.21	35.97	5.22	51.41	40.43	91.85
Tractor(250-349hp)CB	Track 300	197,006	600	8	15.44	10.21	35.97	6.15	52.34	47.61	99.96
Tractor(350-449hp)CB	4WD 400	195,126	600	8	20.58	10.21	47.97	6.09	64.28	47.16	111.44
Tractor(350-449hp)CB	Track 400	233,337	600	8	20.58	10.21	47.97	7.29	65.47	56.39	121.86
Tractor(450-550hp)CB	4WD 500	229,879	600	8	24.44	10.21	56.96	7.18	74.35	55.55	129.91
Tractor(450-uphp)CB	Track 475	268,277	600	8	24.44	10.21	56.96	8.38	75.55	64.84	140.40

Notes:
Labor: Includes allocated labor from power unit.
Total Direct: Does not include interest on operating capital.

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, 2008

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					
ATV - 4 Wheeler	20' Rope W	8,350	100	8	0.50	0.052	0.73	0.07	0.13	0.94	0.64	1.58
Cotton Picker-1st-BB	2R-38(157)	144,912	200	8	8.08	0.519	9.10	9.78	11.76	30.65	56.33	86.99
Cotton Picker-1st-BB	4R-30(250)	251,681	200	8	12.86	0.327	5.73	9.81	12.87	28.42	61.64	90.07
Cotton Picker-1st-BB	4R-30(325)	292,421	200	8	16.72	0.327	5.73	12.76	14.95	33.45	71.62	105.07
Cotton Picker-1st-BB	4R-30(350)	299,830	200	8	18.01	0.327	5.73	13.74	15.33	34.81	73.43	108.25
Cotton Picker-1st-BB	4R-38(255)	248,193	200	8	13.12	0.257	4.51	7.88	9.99	22.39	47.86	70.26
Cotton Picker-1st-BB	4R-38(350)	313,556	200	8	18.01	0.257	4.51	10.82	12.62	27.96	60.47	88.43
Cotton Picker-1st-BB	4R2x1(350)	322,137	200	8	18.01	0.172	3.01	7.23	8.67	18.92	41.52	60.45
Cotton Picker-1st-BB	5R-30(255)	260,177	200	8	13.12	0.261	4.58	8.00	10.64	23.24	50.97	74.22
Cotton Picker-1st-BB	5R-38(250)	270,541	200	8	12.86	0.207	3.63	6.21	8.75	18.60	41.93	60.54
Cotton Picker-1st-BB	6R-30(350)	381,665	200	8	18.01	0.218	3.82	9.16	13.01	26.00	62.32	88.32
Cotton Picker-1st-BB	6R-38(350)	384,306	200	8	18.01	0.172	3.01	7.23	10.34	20.59	49.54	70.14
Cotton Picker-1st-Tr	2R-38(157)	144,912	200	8	8.08	0.519	9.10	9.78	11.76	30.65	56.33	86.99
Cotton Picker-1st-Tr	4R-30(250)	251,681	200	8	12.86	0.327	5.73	9.81	12.87	28.42	61.64	90.07
Cotton Picker-1st-Tr	4R-30(325)	292,421	200	8	16.72	0.327	5.73	12.76	14.95	33.45	71.62	105.07
Cotton Picker-1st-Tr	4R-30(350)	299,830	200	8	18.01	0.327	5.73	13.74	15.33	34.81	73.43	108.25
Cotton Picker-1st-Tr	4R-38(255)	248,193	200	8	13.12	0.257	4.51	7.88	9.99	22.39	47.86	70.26
Cotton Picker-1st-Tr	4R-38(350)	313,556	200	8	18.01	0.257	4.51	10.82	12.62	27.96	60.47	88.43
Cotton Picker-1st-Tr	4R2x1(350)	322,137	200	8	18.01	0.172	3.01	7.23	8.67	18.92	41.52	60.45
Cotton Picker-1st-Tr	5R-30(255)	260,177	200	8	13.12	0.261	4.58	8.00	10.64	23.24	50.97	74.22
Cotton Picker-1st-Tr	5R-38(250)	270,541	200	8	12.86	0.207	3.63	6.21	8.75	18.60	41.93	60.54
Cotton Picker-1st-Tr	6R-30(350)	381,665	200	8	18.01	0.218	3.82	9.16	13.01	26.00	62.32	88.32
Cotton Picker-1st-Tr	6R-38(350)	384,306	200	8	18.01	0.172	3.01	7.23	10.34	20.59	49.54	70.14
Cotton Picker-2nd-BB	2R-38(157)	144,912	200	8	8.08	0.440	7.71	8.28	9.96	25.96	47.72	73.68
Cotton Picker-2nd-BB	4R-30(250)	251,681	200	8	12.86	0.277	4.85	8.31	10.90	24.07	52.21	76.29
Cotton Picker-2nd-BB	4R-30(325)	292,421	200	8	16.72	0.277	4.85	10.80	12.67	28.33	60.66	89.00
Cotton Picker-2nd-BB	4R-30(350)	299,830	200	8	18.01	0.277	4.85	11.64	12.99	29.49	62.20	91.69
Cotton Picker-2nd-BB	4R-38(255)	248,193	200	8	13.12	0.218	3.82	6.67	8.46	18.97	40.54	59.51
Cotton Picker-2nd-BB	4R-38(350	313,556	200	8	18.01	0.218	3.82	9.16	10.69	23.68	51.22	74.91
Cotton Picker-2nd-BB	4R2x1(350)	322,137	200	8	18.01	0.145	2.55	6.12	7.34	16.02	35.17	51.20
Cotton Picker-2nd-BB	5R-30(255)	260,177	200	8	13.12	0.221	3.88	6.78	9.01	19.69	43.18	62.87
Cotton Picker-2nd-BB	5R-38(250)	270,541	200	8	12.86	0.175	3.07	5.26	7.41	15.75	35.52	51.28
Cotton Picker-2nd-BB	6R-30(350)	381,665	200	8	18.01	0.184	3.23	7.76	11.02	22.02	52.78	74.81
Cotton Picker-2nd-BB	6R-38(350)	384,306	200	8	18.01	0.145	2.55	6.12	8.76	17.44	41.96	59.41
Cotton Picker-2nd-Tr	2R-38(157)	144,912	200	8	8.08	0.440	7.71	8.28	9.96	25.96	47.72	73.68
Cotton Picker-2nd-Tr	4R-30(250)	251,681	200	8	12.86	0.277	4.85	8.31	10.90	24.07	52.21	76.29
Cotton Picker-2nd-Tr	4R-30(325)	292,421	200	8	16.72	0.277	4.85	10.80	12.67	28.33	60.66	89.00
Cotton Picker-2nd-Tr	4R-30(350)	299,830	200	8	18.01	0.277	4.85	11.64	12.99	29.49	62.20	91.69
Cotton Picker-2nd-Tr	4R-38(255)	248,193	200	8	13.12	0.218	3.82	6.67	8.46	18.97	40.54	59.51
Cotton Picker-2nd-Tr	4R-38(350)	313,556	200	8	18.01	0.218	3.82	9.16	10.69	23.68	51.22	74.91
Cotton Picker-2nd-Tr	4R2x1(350)	322,137	200	8	18.01	0.145	2.55	6.12	7.34	16.02	35.17	51.20
Cotton Picker-2nd-Tr	5R-30(255)	260,177	200	8	13.12	0.221	3.88	6.78	9.01	19.69	43.18	62.87
Cotton Picker-2nd-Tr	5R-38(250)	270,541	200	8	12.86	0.175	3.07	5.26	7.41	15.75	35.52	51.28
Cotton Picker-2nd-Tr	6R-30(350)	381,665	200	8	18.01	0.184	3.23	7.76	11.02	22.02	52.78	74.81
Cotton Picker-2nd-Tr	6R-38(350)	384,306	200	8	18.01	0.145	2.55	6.12	8.76	17.44	41.96	59.41
Dry Applicator SP	70'300cuft	236,102	350	8	15.44	0.015	0.20	0.54	0.19	0.94	1.52	2.46
Sprayer(110Gal)	30' 47hp	35,591	350	8	2.57	0.035	0.48	0.21	0.06	0.76	0.53	1.30
Sprayer(300-450Gal)	60'	78,034	350	8	5.66	0.017	0.24	0.23	0.07	0.55	0.58	1.13
Sprayer(300-450Gal)	80'	79,024	350	8	5.66	0.013	0.18	0.17	0.05	0.41	0.44	0.86
Sprayer(600-750Gal)	60'	137,403	350	8	10.29	0.017	0.24	0.42	0.12	0.79	1.03	1.83
Sprayer(600-825Gal)	80'	155,036	350	8	10.29	0.013	0.18	0.31	0.10	0.61	0.87	1.48
Sprayer(600-825Gal)	90'	177,012	350	8	10.29	0.011	0.16	0.28	0.11	0.55	0.88	1.44
Sprayer(1000-1400Gal	100'	224,279	350	8	14.15	0.010	0.14	0.34	0.12	0.62	1.01	1.63
Sprayer(1200PlusGal)	120'	243,280	350	8	15.44	0.008	0.12	0.31	0.11	0.55	0.91	1.47
Utility Vehicle	20'	12,081	200	8	0.70	0.052	0.73	0.10	0.09	0.93	0.47	1.41
Utility Vehicle	75" Rope W	10,095	200	8	0.50	0.167	2.32	0.22	0.26	2.82	1.26	4.08

Notes:
Labor: includes allocated labor plus any additional labor from self-propelled machine.
Direct: Does not include interest on operating capital.

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2008

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
Bedder/Roller-Fold.	21'	MFWD 190	14,653	160	10	0.089	0.91	2.03	0.32	0.33	3.60	1.08	2.57	7.26
Bedder/Roller-Fold.	26'	MFWD 190	18,872	160	10	0.072	0.73	1.64	0.34	0.26	2.98	1.12	2.08	6.19
Bedder/Roller-Fold.	30'	MFWD 190	23,812	160	10	0.062	0.63	1.42	0.37	0.23	2.66	1.22	1.80	5.69
Bedder/Roller-Fold.	40'	MFWD 225	26,539	160	10	0.046	0.47	1.26	0.31	0.20	2.26	1.02	1.59	4.88
Bedder/Roller-Rigid	21'	MFWD 190	13,769	160	10	0.089	0.91	2.03	0.30	0.33	3.58	1.01	2.57	7.17
Bedder/Roller-Rigid	26'	MFWD 190	15,182	160	10	0.072	0.73	1.64	0.27	0.26	2.92	0.90	2.08	5.90
Bedder/Roller-Rigid	30'	MFWD 190	16,623	160	10	0.062	0.63	1.42	0.25	0.23	2.55	0.85	1.80	5.21
Bedder/Roller-Rigid	40'	MFWD 225	21,676	160	10	0.046	0.47	1.26	0.25	0.20	2.20	0.83	1.59	4.64
Blade-Box	6'-7'	2WD 130	1,236	200	20	0.020	0.20	0.31	0.01	0.04	0.57	0.01	0.36	0.95
Boll Buggy-1st pick	2R-38(157)	MFWD 190	25,891	200	10	0.519	5.30	11.84	3.36	1.93	22.44	8.66	14.98	46.10
Boll Buggy-1st pick	4R-30(255)	MFWD 190	25,891	200	10	0.327	3.34	7.45	2.11	1.22	14.14	5.45	9.44	29.04
Boll Buggy-1st pick	4R-30(325)	MFWD 190	25,891	200	10	0.327	3.34	7.45	2.11	1.22	14.14	5.45	9.44	29.04
Boll Buggy-1st Pick	4R-30(350)	MFWD 190	25,891	200	10	0.327	3.34	7.45	2.11	1.22	14.14	5.45	9.44	29.04
Boll Buggy-1st pick	4R-38(255)	MFWD 190	25,891	200	10	0.257	2.63	5.87	1.66	0.96	11.13	4.29	7.43	22.86
Boll Buggy-1st pick	4R-38(325)	MFWD 190	25,891	200	10	0.257	2.63	5.87	1.66	0.96	11.13	4.29	7.43	22.86
Boll Buggy-1st pick	4R2x1(255)	MFWD 190	25,891	200	10	0.172	1.75	3.92	1.11	0.64	7.44	2.87	4.96	15.28
Boll Buggy-1st pick	5R-30(255)	MFWD 190	25,891	200	10	0.261	2.67	5.96	1.69	0.97	11.31	4.36	7.55	23.23
Boll Buggy-1st pick	5R-38(255)	MFWD 190	25,891	200	10	0.207	2.11	4.72	1.34	0.77	8.95	3.45	5.97	18.38
Boll Buggy-1st pick	6R-30(325)	MFWD 190	25,891	200	10	0.218	2.22	4.97	1.41	0.81	9.42	3.63	6.29	19.36
Boll Buggy-1st pick	6R-38(325)	MFWD 190	25,891	200	10	0.172	1.75	3.92	1.11	0.64	7.44	2.87	4.96	15.28
Boll Buggy-2nd pick	2R-38(157)	MFWD 190	25,891	200	10	0.440	4.49	10.03	2.84	1.64	19.01	7.34	12.69	39.05
Boll Buggy-2nd pick	4R-30(255)	MFWD 190	25,891	200	10	0.277	2.83	6.31	1.79	1.03	11.97	4.62	7.99	24.60
Boll Buggy-2nd pick	4R-30(325)	MFWD 190	25,891	200	10	0.277	2.83	6.31	1.79	1.03	11.97	4.62	7.99	24.60
Boll Buggy-2nd Pick	4R-30(350)	MFWD 190	25,891	200	10	0.277	2.83	6.31	1.79	1.03	11.97	4.62	7.99	24.60
Boll Buggy-2nd pick	4R-38(255)	MFWD 190	25,891	200	10	0.218	2.22	4.97	1.41	0.81	9.43	3.64	6.29	19.37
Boll Buggy-2nd pick	4R-38(325)	MFWD 190	25,891	200	10	0.218	2.22	4.97	1.41	0.81	9.43	3.64	6.29	19.37
Boll Buggy-2nd pick	4R2x1(255)	MFWD 190	25,891	200	10	0.145	1.49	3.32	0.94	0.54	6.30	2.43	4.20	12.94
Boll Buggy-2nd pick	5R-30(255)	MFWD 190	25,891	200	10	0.221	2.26	5.05	1.43	0.82	9.58	3.69	6.39	19.68
Boll Buggy-2nd pick	5R-38(255)	MFWD 190	25,891	200	10	0.175	1.79	3.99	1.13	0.65	7.58	2.92	5.06	15.57
Boll Buggy-2nd pick	6R-30(325)	MFWD 190	25,891	200	10	0.184	1.88	4.21	1.19	0.68	7.98	3.08	5.33	16.40
Boll Buggy-2nd pick	6R-38(325)	MFWD 190	25,891	200	10	0.145	1.49	3.32	0.94	0.54	6.30	2.43	4.20	12.94
Boll Buggy-Stripper	13' Bcast	MFWD 150	25,891	200	10	0.251	2.57	4.53	1.63	0.79	9.53	4.19	5.98	19.71
Boll Buggy-Stripper	16' Bcast	MFWD 150	25,891	200	10	0.204	2.08	3.68	1.32	0.64	7.74	3.41	4.85	16.01
Boll Buggy-Stripper	19' Bcast	MFWD 150	25,891	200	10	0.172	1.75	3.09	1.11	0.54	6.52	2.87	4.09	13.48
Boll Buggy-Stripper	4R-30 2x1	MFWD 150	25,891	200	10	0.218	2.22	3.92	1.41	0.69	8.25	3.63	5.18	17.08
Boll Buggy-Stripper	4R-36	MFWD 150	25,891	200	10	0.272	2.78	4.90	1.76	0.86	10.32	4.54	6.47	21.35
Boll Buggy-Stripper	4R-38	MFWD 150	25,891	200	10	0.257	2.63	4.63	1.66	0.81	9.75	4.29	6.12	20.17
Boll Buggy-Stripper	4R-38 2x1	MFWD 150	25,891	200	10	0.172	1.75	3.09	1.11	0.54	6.52	2.87	4.09	13.48
Boll Buggy-Stripper	5R-30	MFWD 150	25,891	200	10	0.261	2.67	4.71	1.69	0.83	9.91	4.36	6.22	20.49
Boll Buggy-Stripper	5R-38	MFWD 150	25,891	200	10	0.207	2.11	3.72	1.34	0.65	7.84	3.45	4.92	16.21
Boll Buggy-Stripper	6R-30	MFWD 150	25,891	200	10	0.218	2.22	3.92	1.41	0.69	8.25	3.63	5.18	17.08
Boll Buggy-Stripper	6R-38	MFWD 150	25,891	200	10	0.172	1.75	3.09	1.11	0.54	6.52	2.87	4.09	13.48
Boll Buggy-Stripper	8R-30	MFWD 150	25,891	200	10	0.163	1.67	2.94	1.05	0.51	6.19	2.72	3.88	12.81
Boll Buggy-Stripper	8R-36/38	MFWD 150	25,891	200	10	0.129	1.32	2.32	0.83	0.41	4.89	2.15	3.07	10.12
Chisel Plow(Folding)	16'	2WD 130	11,115	150	12	0.115	1.17	1.80	0.46	0.28	3.72	1.03	2.11	6.87
Chisel Plow(Folding)	24'	MFWD 190	23,766	150	12	0.076	0.78	1.74	0.65	0.28	3.46	1.46	2.20	7.13
Chisel Plow(Folding)	32'	MFWD 225	28,547	150	12	0.057	0.58	1.55	0.59	0.25	2.99	1.32	1.97	6.29
Chisel Plow(Folding)	42'	MFWD 225	34,633	150	12	0.044	0.44	1.18	0.55	0.19	2.38	1.22	1.50	5.11
Chisel Plow(Folding)	50'	MFWD 225	52,947	150	10	0.036	0.37	0.99	0.84	0.16	2.38	1.72	1.26	5.37
Chisel Plow(Rigid)	15'	2WD 130	8,904	150	12	0.123	1.25	1.92	0.39	0.30	3.87	0.88	2.25	7.01
Chisel Plow(Rigid)	24'	MFWD 190	7,632	150	12	0.077	0.78	1.75	0.21	0.28	3.04	0.47	2.22	5.73
Chisel-Harrow	21 shank	2WD 190	7,632	150	12	0.088	0.89	2.00	0.24	0.29	3.44	0.54	2.28	6.26
Chisel-Harrow	27 shank	MFWD 225	10,046	150	12	0.068	0.69	1.84	0.24	0.30	3.09	0.55	2.33	5.98
Colter-Chisel-Harrow	21 shank	2WD 190	13,647	150	12	0.088	0.89	2.00	0.43	0.29	3.63	0.96	2.28	6.88
Colter-Chisel-Harrow	27 shank	MFWD 225	17,780	150	12	0.068	0.69	1.84	0.43	0.30	3.28	0.98	2.33	6.60
Corn Grain Cart 8R30	500 bu	MFWD 190	14,819	200	12	0.031	0.32	0.72	0.12	0.11	1.30	0.28	0.92	2.50
Corn Grain Cart 8R38	700bu	MFWD 190	21,566	200	12	0.025	0.25	0.56	0.14	0.09	1.06	0.32	0.72	2.11
Cult & Post	4R-30	2WD 105	13,756	150	10	0.220	3.05	2.77	0.80	0.27	6.90	2.66	2.05	11.62
Cult & Post	4R-38	2WD 105	13,403	150	10	0.173	2.40	2.18	0.61	0.21	5.41	2.04	1.62	9.08
Cult & Post	6R-30	MFWD 150	17,581	150	10	0.146	2.03	2.63	0.68	0.46	5.82	2.27	3.48	11.58
Cult & Post	6R-38	MFWD 150	17,935	150	10	0.115	1.60	2.08	0.55	0.36	4.60	1.83	2.75	9.18
Cult & Post	8R-30	MFWD 190	20,862	150	10	0.110	1.52	2.50	0.61	0.41	5.05	2.02	3.17	10.24
Cult & Post	8R-38	MFWD 190	22,267	150	10	0.086	1.20	1.98	0.51	0.32	4.02	1.70	2.50	8.24
Cult & Post	8R-38 2x1	MFWD 190	32,099	150	10	0.057	0.80	1.31	0.49	0.21	2.83	1.63	1.66	6.14
Cult & Post	10R-30	MFWD 225	28,058	150	10	0.088	1.22	2.37	0.65	0.38	4.64	2.17	3.00	9.81
Cult & Post	12R-30	MFWD 225	30,810	150	10	0.073	1.01	1.97	0.60	0.32	3.92	1.99	2.50	8.41
Cult & Post	12R-38	MFWD 225	32,099	150	10	0.057	0.80	1.56	0.49	0.25	3.11	1.63	1.97	6.72
Cult & Post	16R-30	MFWD 225	39,447	150	10	0.055	0.76	1.48	0.57	0.24	3.06	1.91	1.87	6.85
Cultipacker	12'	2WD 130	3,375	300	12	0.124	1.27	1.93	0.09	0.30	3.61	0.17	2.27	6.06
Cultipacker	20'	MFWD 150	11,551	300	12	0.074	0.76	1.34	0.20	0.23	2.54	0.35	1.77	4.67
Cultivate	4R-30	2WD 105	8,509	150	10	0.206	2.10	2.59	0.46	0.35	5.52	1.54	2.63	9.70
Cultivate	4R-38	2WD 105	8,155	150	10	0.162	1.65	2.04	0.35	0.20	4.25	1.16	1.51	6.94
Cultivate	6R-30	MFWD 150	12,334	150	10	0.137	1.40	2.47	0.45	0.43	4.76	1.49	3.26	9.52
Cultivate	6R-38	MFWD 150	12,688	150	10	0.108	1.10	1.95	0.36	0.34	3.77	1.21	2.57	7.56

(continuted)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2008 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------	----------	$/acre	----------	----------	----------	----------	----------
Cultivate	8R-30	MFWD 190	15,615	150	10	0.103	1.05	2.35	0.42	0.38	4.21	1.41	2.97	8.61
Cultivate	8R-38	MFWD 190	17,020	150	10	0.081	0.83	1.85	0.36	0.30	3.36	1.22	2.35	6.93
Cultivate	8R-38 2x1	MFWD 190	26,377	150	10	0.054	0.55	1.23	0.38	0.20	2.37	1.26	1.56	5.20
Cultivate	10R-30	MFWD 225	22,810	150	10	0.082	0.84	2.22	0.50	0.36	3.93	1.65	2.81	8.40
Cultivate	12R-30	MFWD 225	25,563	150	10	0.068	0.70	1.85	0.46	0.30	3.32	1.54	2.34	7.22
Cultivate	12R-38	MFWD 225	26,377	150	10	0.054	0.55	1.46	0.38	0.23	2.64	1.26	1.85	5.75
Cultivate	16R-30	MFWD 225	34,199	150	10	0.051	0.52	1.39	0.47	0.22	2.61	1.55	1.75	5.92
Disk & Incorporate	14'	2WD 130	19,132	200	10	0.149	2.07	2.33	0.85	0.36	5.63	1.89	2.73	10.26
Disk & Incorporate	24'	MFWD 190	32,225	200	10	0.087	1.21	1.98	0.84	0.32	4.36	1.85	2.51	8.74
Disk & Incorporate	28'	MFWD 225	35,392	200	10	0.074	1.03	2.01	0.79	0.33	4.18	1.75	2.55	8.48
Disk & Incorporate	32'	MFWD 225	40,404	200	10	0.065	0.90	1.76	0.79	0.28	3.75	1.74	2.23	7.74
Disk Bed (Hipper)	4R-38	MFWD 150	6,958	160	10	0.147	1.50	2.65	0.25	0.46	4.88	0.84	3.50	9.24
Disk Bed (Hipper)	6R-30	MFWD 170	10,952	160	10	0.125	1.27	2.54	0.34	0.44	4.60	1.13	3.42	9.16
Disk Bed (Hipper)	6R-38	MFWD 170	10,952	160	10	0.098	1.00	2.01	0.27	0.34	3.63	0.89	2.70	7.23
Disk Bed (Hipper)	8R-30	MFWD 190	12,086	160	10	0.093	0.95	2.13	0.28	0.34	3.72	0.93	2.70	7.36
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	24,352	160	10	0.049	0.50	1.12	0.30	0.18	2.11	0.99	1.42	4.52
Disk Bed (Hipper)	10R-30	MFWD 225	15,222	160	10	0.075	0.76	2.02	0.28	0.33	3.40	0.94	2.55	6.90
Disk Bed (Hipper)	10R-38	MFWD 225	16,884	160	10	0.059	0.60	1.59	0.24	0.26	2.71	0.82	2.01	5.55
Disk Bed (Hipper)	12R-30	MFWD 225	17,844	160	10	0.062	0.63	1.68	0.27	0.27	2.87	0.92	2.13	5.93
Disk Bed (Hipper)	12R-38	MFWD 225	24,352	160	10	0.049	0.50	1.33	0.30	0.21	2.35	0.99	1.68	5.02
Disk Bed (Hipper)Fld	8R-38	MFWD 190	16,216	160	10	0.074	0.75	1.68	0.30	0.27	3.02	0.99	2.13	6.15
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	14,107	160	10	0.074	0.75	1.68	0.26	0.27	2.98	0.86	2.13	5.98
Disk Bed w/roller	8R-30	MFWD 190	14,262	160	10	0.093	0.95	2.13	0.33	0.34	3.77	1.10	2.70	7.58
Disk Bed w/roller	12R-30	MFWD 225	24,672	160	10	0.062	0.63	1.68	0.38	0.27	2.98	1.27	2.13	6.39
Disk Harrow	14'	2WD 130	13,885	180	10	0.140	1.43	2.18	0.54	0.34	4.50	1.43	2.56	8.50
Disk Harrow	24'	MFWD 190	26,978	180	10	0.081	0.83	1.86	0.61	0.30	3.61	1.62	2.36	7.60
Disk Harrow	28'	MFWD 225	30,144	180	10	0.070	0.71	1.89	0.58	0.30	3.50	1.55	2.39	7.45
Disk Harrow	32'	MFWD 225	35,157	180	10	0.061	0.62	1.65	0.59	0.27	3.15	1.58	2.09	6.83
Ditcher		2WD 130	4,304	200	10	0.020	0.20	0.31	0.03	0.04	0.59	0.05	0.36	1.02
Ditcher (1m/160a)		2WD 130	4,304	200	10	0.009	0.09	0.14	0.01	0.02	0.28	0.02	0.17	0.47
Fert Appl (Liquid)	4R-38	MFWD 150	11,985	150	8	0.154	2.14	2.78	1.23	0.49	6.65	1.73	3.67	12.06
Fert Appl (Liquid)	6R-30	MFWD 170	14,275	150	8	0.130	1.81	2.66	1.24	0.46	6.19	1.74	3.58	11.53
Fert Appl (Liquid)	6R-38	MFWD 170	11,780	150	8	0.103	1.43	2.10	0.81	0.36	4.71	1.13	2.83	8.69
Fert Appl (Liquid)	8R-30	MFWD 190	14,232	150	8	0.098	1.36	2.23	0.93	0.36	4.89	1.30	2.83	9.03
Fert Appl (Liquid)	8R-38	MFWD 190	14,057	150	8	0.077	1.07	1.76	0.72	0.28	3.86	1.02	2.23	7.12
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	17,213	150	8	0.051	0.71	1.17	0.59	0.19	2.68	0.83	1.49	5.00
Fert Appl (Liquid)	10R-30	MFWD 225	14,937	150	8	0.078	1.08	2.12	0.78	0.34	4.33	1.09	2.68	8.11
Fert Appl (Liquid)	10R-38	MFWD 225	16,367	150	8	0.061	0.85	1.67	0.67	0.27	3.48	0.94	2.11	6.54
Fert Appl (Liquid)	12R-30	MFWD 225	16,347	150	8	0.078	1.08	2.12	0.85	0.34	4.41	1.20	2.68	8.29
Fert Appl (Liquid)	12R-38	MFWD 225	17,213	150	8	0.051	0.71	1.39	0.59	0.22	2.93	0.83	1.76	5.52
Field Cult & Inc	42'	MFWD 225	42,551	100	10	0.037	0.52	1.01	0.40	0.16	2.11	2.12	1.28	5.52
Field Cult & Inc	50'	MFWD 225	52,527	100	10	0.031	0.43	0.85	0.41	0.13	1.85	2.20	1.08	5.13
Field Cult & Inc Fld	24'	MFWD 170	24,426	100	10	0.066	0.91	1.34	0.40	0.23	2.90	2.13	1.81	6.84
Field Cult & Inc Fld	32'	MFWD 190	33,528	100	10	0.049	0.68	1.12	0.41	0.18	2.41	2.19	1.43	6.04
Field Cult & Inc Rdg	12'	2WD 150	12,322	100	10	0.132	1.83	2.37	0.40	0.35	4.97	2.15	2.67	9.80
Field Cultivate	42'	MFWD 225	36,828	100	10	0.035	0.36	0.95	0.32	0.15	1.80	1.73	1.21	4.74
Field Cultivate	50'	MFWD 225	45,861	100	10	0.029	0.30	0.80	0.34	0.13	1.58	1.81	1.01	4.41
Field Cultivate Fld	24'	MFWD 170	19,178	100	10	0.062	0.63	1.26	0.29	0.22	2.42	1.57	1.70	5.70
Field Cultivate Fld	32'	MFWD 190	28,281	100	10	0.046	0.47	1.06	0.32	0.17	2.04	1.74	1.34	5.13
Field Cultivate Rdg	12'	2WD 150	7,075	100	10	0.124	1.27	2.23	0.22	0.33	4.06	1.16	2.52	7.74
Grain Drill	8'	2WD 130	14,887	150	8	0.235	4.12	3.67	1.31	0.57	9.69	3.17	4.30	17.18
Grain Drill	10'	2WD 130	18,354	150	8	0.188	3.30	2.93	1.29	0.46	8.00	3.13	3.44	14.58
Grain Drill	12'	2WD 130	14,144	150	8	0.157	2.75	2.44	0.83	0.38	6.42	2.01	2.87	11.30
Grain Drill	15'	MFWD 150	25,179	150	8	0.125	2.20	2.26	1.18	0.39	6.04	2.86	2.98	11.90
Grain Drill	15'11R/15"	MFWD 150	26,249	150	8	0.125	2.20	2.26	1.23	0.39	6.10	2.98	2.98	12.07
Grain Drill	20'	MFWD 170	32,350	150	8	0.094	1.65	1.92	1.14	0.33	5.05	2.76	2.58	10.39
Grain Drill	20'15R/15"	MFWD 170	31,576	150	8	0.094	1.65	1.92	1.11	0.33	5.02	2.69	2.58	10.30
Grain Drill	24'	MFWD 190	37,162	150	8	0.078	1.37	1.79	1.09	0.29	4.55	2.64	2.26	9.46
Grain Drill	25'15R/15"	MFWD 190	37,563	150	8	0.075	1.32	1.71	1.06	0.28	4.38	2.56	2.17	9.12
Grain Drill	30'	MFWD 225	44,388	150	8	0.062	1.10	1.69	1.04	0.27	4.12	2.52	2.14	8.79
Grain Drill	30'24R/15"	MFWD 225	51,181	150	8	0.062	1.10	1.69	1.20	0.27	4.28	2.91	2.14	9.33
Grain Drill	35'	MFWD 225	55,673	150	8	0.053	0.94	1.45	1.12	0.23	3.76	2.71	1.83	8.31
Grain Drill	40'	MFWD 225	80,964	150	8	0.047	0.82	1.27	1.43	0.20	3.73	3.45	1.60	8.80
Grain Drill & Pre	8'	2WD 130	20,135	150	8	0.253	4.44	3.95	1.91	0.61	10.94	4.62	4.64	20.21
Grain Drill & Pre	10'	2WD 130	23,602	150	8	0.203	3.55	3.16	1.79	0.49	9.01	4.33	3.71	17.06
Grain Drill & Pre	12'	2WD 130	19,391	150	8	0.169	2.96	2.63	1.23	0.41	7.24	2.97	3.09	13.31
Grain Drill & Pre	15'	MFWD 150	30,426	150	8	0.135	2.37	2.43	1.54	0.42	6.78	3.72	3.21	13.72
Grain Drill & Pre	15'11R/15"	MFWD 150	31,496	150	8	0.135	2.37	2.43	1.59	0.42	6.83	3.85	3.21	13.91
Grain Drill & Pre	20'	MFWD 170	37,597	150	8	0.101	1.77	2.07	1.43	0.35	5.64	3.45	2.78	11.87
Grain Drill & Pre	20'15R/15"	MFWD 170	36,823	150	8	0.101	1.77	2.07	1.40	0.35	5.61	3.38	2.78	11.77
Grain Drill & Pre	24'	MFWD 190	42,410	150	8	0.084	1.48	1.92	1.34	0.31	5.07	3.24	2.44	10.76
Grain Drill & Pre	25'15R/15"	MFWD 190	42,810	150	8	0.081	1.42	1.85	1.30	0.30	4.88	3.14	2.34	10.37
Grain Drill & Pre	30'	MFWD 225	49,635	150	8	0.067	1.18	1.82	1.25	0.29	4.57	3.04	2.30	9.92
Grain Drill & Pre	30'24R/15"	MFWD 225	56,429	150	8	0.067	1.18	1.82	1.43	0.29	4.74	3.45	2.30	10.51
Grain Drill & Pre	35'	MFWD 225	60,920	150	8	0.058	1.01	1.56	1.32	0.25	4.16	3.19	1.97	9.34

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2008 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	R&M Imp.	R&M P.U.	Total Direct	Fixed Imp.	Fixed P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Grain Drill & Pre	40'	MFWD 225	86,211	150	8	0.050	0.88	1.37	1.64	0.22	4.12	3.96	1.73	9.81
Harrow Fld	40'	MFWD 190	10,620	200	10	0.038	0.39	0.88	0.14	0.14	1.57	0.27	1.11	2.96
Harrow Rdg	13'	2WD 130	3,690	200	10	0.119	1.21	1.86	0.15	0.29	3.52	0.29	2.18	6.00
Harrow Rdg	21'	2WD 150	4,590	200	10	0.073	0.75	1.33	0.11	0.20	2.40	0.22	1.49	4.12
Harrow Rdg	30'	MFWD 190	7,740	200	10	0.051	0.52	1.17	0.14	0.19	2.04	0.26	1.49	3.79
Header - Corn	4R-38	240hp	25,147	300	8	0.201	2.05	5.78	1.26	3.38	12.48	2.36	16.20	31.06
Header - Corn	6R30"	240hp	31,393	300	8	0.170	1.73	4.89	1.33	2.86	10.84	2.50	13.72	27.06
Header - Corn	6R38"	240hp	33,850	300	8	0.134	1.37	3.86	1.13	2.26	8.64	2.12	10.83	21.60
Header - Corn	8R-30	240hp	40,647	300	8	0.127	1.30	3.67	1.29	2.14	8.42	2.42	10.29	21.14
Header - Corn	8R-38	275hp	42,909	300	8	0.100	1.03	3.32	1.08	2.00	7.44	2.02	9.58	19.06
Header - Corn	12R-20	275hp	56,689	300	8	0.127	1.30	4.21	1.80	2.53	9.85	3.38	12.12	25.37
Header - Corn	12R-30	275hp	62,425	300	8	0.085	0.86	2.80	1.32	1.68	6.69	2.48	8.08	17.26
Header - Draper (CL)	25' Rigid	240hp	25,578	300	8	0.203	2.07	5.84	1.19	3.41	12.52	2.35	16.36	31.23
Header - Draper (CL)	30' Rigid	275hp	28,727	300	8	0.169	1.72	5.57	1.11	3.35	11.77	2.20	16.07	30.05
Header - Draper (CL)	36' Rigid	325hp	32,036	300	8	0.141	1.43	5.49	1.03	3.30	11.27	2.04	15.80	29.12
Header - Draper (SL)	25' Rigid	2WD 50	25,578	300	8	0.176	1.79	1.05	1.03	0.10	3.98	2.03	0.75	6.77
Header - Draper (SL)	30' Rigid	275hp	28,727	300	8	0.146	1.49	4.83	0.96	2.90	10.20	1.90	13.92	26.04
Header - Draper (SL)	36' Rigid	325hp	32,036	300	8	0.122	1.24	4.76	0.89	2.86	9.77	1.77	13.69	25.23
Header - Rice (CL)	22' Rigid	240hp	21,887	300	8	0.288	2.94	8.30	1.57	4.85	17.67	2.95	23.24	43.87
Header - Rice (CL)	25' Rigid	275hp	25,387	300	8	0.253	2.59	8.36	1.61	5.03	17.60	3.01	24.10	44.73
Header - Rice (CL)	30' Rigid	275hp	26,406	300	8	0.211	2.15	6.97	1.39	4.19	14.72	2.61	20.09	37.43
Header - Rice (SL)	22' Rigid	240hp	21,887	300	8	0.250	2.55	7.19	1.36	4.20	15.32	2.56	20.14	38.02
Header - Rice (SL)	25' Rigid	275hp	25,387	300	8	0.220	2.24	7.25	1.39	4.36	15.25	2.61	20.89	38.76
Header - Rice (SL)	30' Rigid	275hp	26,406	300	8	0.183	1.87	6.04	1.21	3.63	12.76	2.26	17.41	32.43
Header - Soybean	18' Flex	240hp	20,317	300	8	0.141	1.44	4.08	0.72	2.38	8.64	1.34	11.43	21.42
Header - Soybean	22' Flex	240hp	21,525	300	8	0.116	1.18	3.34	0.62	1.95	7.10	1.16	9.35	17.62
Header - Soybean	25' Flex	275hp	23,651	300	8	0.102	1.04	3.36	0.60	2.02	7.04	1.13	9.70	17.87
Header - Soybean	30' Flex	275hp	26,468	300	8	0.085	0.86	2.80	0.56	1.68	5.92	1.05	8.08	15.06
Header - Soybean	35' Flex	325hp	31,612	300	8	0.072	0.74	2.84	0.57	1.70	5.87	1.07	8.17	15.13
Header Wheat/Sorghum	18' Rigid	240hp	19,069	300	8	0.141	1.44	4.08	0.67	2.38	8.59	1.26	11.43	21.29
Header Wheat/Sorghum	22' Rigid	240hp	19,571	300	8	0.116	1.18	3.34	0.56	1.95	7.04	1.06	9.35	17.46
Header Wheat/Sorghum	25' Rigid	275hp	20,103	300	8	0.102	1.04	3.36	0.51	2.02	6.95	0.96	9.70	17.61
Header Wheat/Sorghum	30' Rigid	275hp	22,598	300	8	0.085	0.86	2.80	0.48	1.68	5.84	0.90	8.08	14.83
Header-Cotton Bcast	13'	173 hp	17,010	200	8	0.251	4.41	4.74	0.80	5.01	14.97	3.00	24.02	42.00
Header-Cotton-Bcast	16'	173 hp	19,260	200	8	0.204	3.58	3.85	0.73	4.07	12.25	2.76	19.51	34.53
Header-Cotton-Bcast	19'	173 hp	21,465	200	8	0.172	3.01	3.24	0.69	3.43	10.38	2.59	16.43	29.42
Header-Cotton-Brush	4R-30 2x1	173 hp	24,786	200	8	0.218	3.82	4.10	1.01	4.34	13.29	3.79	20.81	37.91
Header-Cotton-Brush	4R-36	173 hp	24,566	200	8	0.272	4.77	5.13	1.25	5.43	16.60	4.70	26.02	47.33
Header-Cotton-Brush	4R-38	173 hp	24,537	200	8	0.257	4.51	4.85	1.18	5.13	15.69	4.44	24.59	44.72
Header-Cotton-Brush	4R-38 2x1	173 hp	25,964	200	8	0.172	3.01	3.24	0.83	3.43	10.53	3.14	16.43	30.11
Header-Cotton-Brush	5R-30	173 hp	30,888	200	8	0.261	4.58	4.93	1.51	5.21	16.25	5.67	24.98	46.91
Header-Cotton-Brush	5R-38	173 hp	32,007	200	8	0.207	3.63	3.90	1.24	4.12	12.90	4.65	19.76	37.32
Header-Cotton-Brush	6R-30	173 hp	38,092	200	8	0.218	3.82	4.10	1.55	4.34	13.83	5.83	20.81	40.49
Header-Cotton-Brush	6R-38	2WD 50	39,251	200	8	0.172	3.01	1.03	1.26	0.09	5.41	4.74	0.74	10.90
Header-Cotton-Brush	8R-30	173 hp	52,457	200	8	0.163	2.86	3.08	1.61	3.26	10.82	6.02	15.61	32.46
Header-Cotton-Brush	8R-36/38	173 hp	53,607	200	8	0.129	2.26	2.43	1.30	2.57	8.58	4.86	12.34	25.79
Heavy Disk	14'	MFWD 150	17,073	180	10	0.145	1.49	2.62	0.69	0.46	5.27	1.82	3.46	10.56
Heavy Disk	21'	MFWD 170	25,186	180	10	0.097	0.99	1.98	0.68	0.34	4.00	1.79	2.66	8.46
Heavy Disk	27'	MFWD 190	35,140	180	10	0.075	0.77	1.72	0.73	0.28	3.51	1.95	2.18	7.65
Land Plane	50'x16'	MFWD 190	7,106	200	10	0.151	1.54	3.45	0.21	0.56	5.78	0.71	4.37	10.87
Levee Pull (1m/80a)	8 blade	MFWD 170	5,600	100	10	0.003	0.03	0.07	0.00	0.01	0.12	0.02	0.09	0.25
Levee Splitter (1/80	8 blade	MFWD 150	5,600	100	10	0.004	0.04	0.07	0.00	0.01	0.13	0.03	0.09	0.26
Middle Buster	4R-38	MFWD 150	7,868	160	8	0.228	2.33	4.10	0.42	0.72	7.58	1.62	5.42	14.63
Middle Buster	6R-38	MFWD 150	9,591	160	8	0.120	1.22	2.16	0.27	0.38	4.04	1.04	2.85	7.94
Middle Buster	8R-30	MFWD 190	13,977	160	8	0.114	1.16	2.60	0.37	0.42	4.56	1.44	3.29	9.30
Middle Buster	8R-38	MFWD 190	12,713	160	8	0.090	0.92	2.05	0.26	0.33	3.58	1.04	2.60	7.22
Middle Buster	8R-38 2x1	MFWD 190	20,331	160	8	0.060	0.61	1.36	0.28	0.22	2.49	1.10	1.73	5.33
Middle Buster	10R-30	MFWD 225	15,541	160	8	0.091	0.93	2.46	0.33	0.40	4.13	1.28	3.11	8.53
Middle Buster	10R-38	MFWD 225	16,508	160	8	0.072	0.73	1.94	0.27	0.31	3.27	1.07	2.45	6.81
Middle Buster	12R-38	MFWD 225	20,331	160	8	0.060	0.61	1.62	0.28	0.26	2.78	1.10	2.05	5.94
Module Builder-1st	2R-38(157)	MFWD 190	33,304	200	10	0.519	9.10	11.84	4.32	1.93	27.21	11.14	14.98	53.34
Module Builder-1st	4R-30(255)	MFWD 190	33,304	200	10	0.327	5.73	7.45	2.72	1.22	17.14	7.02	9.44	33.60
Module Builder-1st	4R-30(325)	MFWD 190	33,304	200	10	0.327	5.73	7.45	2.72	1.22	17.14	7.02	9.44	33.60
Module Builder-1st	4R-30(350)	MFWD 190	33,304	200	10	0.327	5.73	7.45	2.72	1.22	17.14	7.02	9.44	33.60
Module Builder-1st	4R-38(255)	MFWD 190	33,304	200	10	0.257	4.51	5.87	2.14	0.96	13.49	5.52	7.43	26.46
Module Builder-1st	4R-38(325)	MFWD 190	33,304	200	10	0.257	4.51	5.87	2.14	0.96	13.49	5.52	7.43	26.46
Module Builder-1st	4R2x1(255)	MFWD 190	33,304	200	10	0.172	3.01	3.92	1.43	0.64	9.02	3.69	4.96	17.68
Module Builder-1st	5R-30(255)	MFWD 190	33,304	200	10	0.261	4.58	5.96	2.18	0.97	13.71	5.61	7.55	26.88
Module Builder-1st	5R-38(255)	MFWD 190	33,304	200	10	0.207	3.63	4.72	1.72	0.77	10.84	4.44	5.97	21.27
Module Builder-1st	6R-30(325)	MFWD 190	33,304	200	10	0.218	3.82	4.97	1.81	0.81	11.42	4.68	6.29	22.40
Module Builder-1st	6R-38(325)	MFWD 190	33,304	200	10	0.172	3.01	3.92	1.43	0.64	9.02	3.69	4.96	17.68
Module Builder-2nd	2R-38(157)	MFWD 190	33,304	200	10	0.440	7.71	10.03	3.66	1.64	23.04	9.44	12.69	45.18
Module Builder-2nd	4R-30(255)	MFWD 190	33,304	200	10	0.277	4.85	6.31	2.30	1.03	14.52	5.94	7.99	28.46
Module Builder-2nd	4R-30(325)	MFWD 190	33,304	200	10	0.277	4.85	6.31	2.30	1.03	14.52	5.94	7.99	28.46

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2008 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	R&M Imp.	R&M P.U.	Total Direct	Fixed Imp.	Fixed P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Module Builder-2nd	4R-30(350)	MFWD 190	33,304	200	10	0.277	4.85	6.31	2.30	1.03	14.52	5.94	7.99	28.46
Module Builder-2nd	4R-38(255)	MFWD 190	33,304	200	10	0.218	3.82	4.97	1.81	0.81	11.43	4.68	6.29	22.41
Module Builder-2nd	4R-38(325)	MFWD 190	33,304	200	10	0.218	3.82	4.97	1.81	0.81	11.43	4.68	6.29	22.41
Module Builder-2nd	4R2x1(255)	MFWD 190	33,304	200	10	0.145	2.55	3.32	1.21	0.54	7.64	3.13	4.20	14.98
Module Builder-2nd	5R-30(255)	MFWD 190	33,304	200	10	0.221	3.88	5.05	1.84	0.82	11.61	4.75	6.39	22.77
Module Builder-2nd	5R-38(255)	MFWD 190	33,304	200	10	0.175	3.07	3.99	1.46	0.65	9.19	3.76	5.06	18.01
Module Builder-2nd	6R-30(325)	MFWD 190	33,304	200	10	0.184	3.23	4.21	1.53	0.68	9.68	3.96	5.33	18.97
Module Builder-2nd	6R-38(325)	MFWD 190	33,304	200	10	0.145	2.55	3.32	1.21	0.54	7.64	3.13	4.20	14.98
Module Builder-Strip	13' Bcast	MFWD 150	33,304	200	10	0.251	4.41	4.53	2.09	0.79	11.83	5.40	5.98	23.22
Module Builder-Strip	16' Bcast	MFWD 150	33,304	200	10	0.204	3.58	3.68	1.70	0.64	9.61	4.38	4.85	18.86
Module Builder-Strip	19' Bcast	MFWD 150	33,304	200	10	0.172	3.01	3.09	1.43	0.54	8.09	3.69	4.09	15.88
Module Builder-Strip	4R-30 2x1	MFWD 150	33,304	200	10	0.218	3.82	3.92	1.81	0.69	10.25	4.68	5.18	20.12
Module Builder-Strip	4R-36	MFWD 150	33,304	200	10	0.272	4.77	4.90	2.27	0.86	12.82	5.85	6.47	25.15
Module Builder-Strip	4R-38	MFWD 150	33,304	200	10	0.257	4.51	4.63	2.14	0.81	12.11	5.52	6.12	23.76
Module Builder-Strip	4R-38 2x1	MFWD 150	33,304	200	10	0.172	3.01	3.09	1.43	0.54	8.09	3.69	4.09	15.88
Module Builder-Strip	5R-30	MFWD 150	33,304	200	10	0.261	4.58	4.71	2.18	0.83	12.31	5.61	6.22	24.14
Module Builder-Strip	5R-38	MFWD 150	33,304	200	10	0.207	3.63	3.72	1.72	0.65	9.73	4.44	4.92	19.10
Module Builder-Strip	6R-30	MFWD 150	33,304	200	10	0.218	3.82	3.92	1.81	0.69	10.25	4.68	5.18	20.12
Module Builder-Strip	6R-38	MFWD 190	33,304	200	10	0.172	3.01	3.92	1.43	0.64	9.02	3.69	4.96	17.68
Module Builder-Strip	8R-36/38	MFWD 190	33,304	200	10	0.129	2.26	2.94	1.07	0.48	6.77	2.77	3.73	13.28
NT Grain Drill	10'	2WD 130	24,867	150	8	0.235	4.12	3.67	2.19	0.57	10.57	5.30	4.30	20.19
NT Grain Drill	12'	2WD 130	28,658	150	8	0.163	2.86	2.55	1.75	0.39	7.57	4.24	2.99	14.81
NT Grain Drill	15'	MFWD 150	35,830	150	8	0.130	2.29	2.35	1.75	0.41	6.82	4.24	3.11	14.18
NT Grain Drill	20'	MFWD 170	47,785	150	8	0.098	1.72	2.00	1.75	0.34	5.83	4.24	2.69	12.77
NT Grain Drill	24'	MFWD 190	71,246	150	8	0.081	1.43	1.86	2.18	0.30	5.79	5.27	2.36	13.43
NT Grain Drill	30'	MFWD 225	70,350	150	8	0.065	1.14	1.76	1.72	0.28	4.93	4.16	2.23	11.33
NT Grain Drill & Pre	10'	2WD 130	30,114	150	8	0.211	3.70	3.29	2.38	0.51	9.90	5.76	3.86	19.54
NT Grain Drill & Pre	12'	2WD 130	33,905	150	8	0.176	3.08	2.74	2.24	0.43	8.50	5.41	3.22	17.14
NT Grain Drill & Pre	15'	MFWD 150	41,077	150	8	0.141	2.47	2.53	2.17	0.44	7.62	5.24	3.34	16.22
NT Grain Drill & Pre	20'	MFWD 170	53,032	150	8	0.105	1.85	2.15	2.10	0.37	6.48	5.07	2.89	14.46
NT Grain Drill & Pre	24'	MFWD 190	76,493	150	8	0.088	1.54	2.00	2.52	0.32	6.40	6.10	2.54	15.05
NT Grain Drill & Pre	30'	MFWD 225	75,598	150	8	0.070	1.23	1.90	1.99	0.31	5.44	4.82	2.40	12.67
NT Plant&Pre-Folding	8R-38	MFWD 170	43,021	150	8	0.083	1.46	1.70	1.34	0.29	4.81	3.25	2.29	10.36
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	57,305	150	8	0.055	0.97	1.13	1.19	0.19	3.50	2.88	1.52	7.91
NT Plant&Pre-Folding	10R-30	MFWD 190	55,481	150	8	0.084	1.48	1.92	1.76	0.31	5.48	4.24	2.44	12.17
NT Plant&Pre-Folding	10R-38	MFWD 190	52,893	150	8	0.066	1.16	1.52	1.32	0.24	4.26	3.19	1.92	9.38
NT Plant&Pre-Folding	12R-20	MFWD 190	54,256	150	8	0.105	1.85	2.41	2.15	0.39	6.80	5.19	3.05	15.05
NT Plant&Pre-Folding	12R-30	MFWD 190	63,616	150	8	0.070	1.23	1.60	1.68	0.26	4.78	4.06	2.03	10.88
NT Plant&Pre-Folding	12R-38	MFWD 190	59,634	150	8	0.055	0.97	1.26	1.24	0.20	3.69	3.00	1.60	8.30
NT Plant&Pre-Folding	16R-30	MFWD 190	85,789	150	8	0.052	0.92	1.20	1.70	0.19	4.02	4.10	1.52	9.66
NT Plant&Pre-Folding	23R-15	MFWD 190	99,593	150	8	0.073	1.28	1.67	2.74	0.27	5.97	6.62	2.11	14.71
NT Plant&Pre-Folding	24R-15	MFWD 225	101,578	150	8	0.070	1.23	1.90	2.68	0.31	6.13	6.48	2.40	15.02
NT Plant&Pre-Folding	24R-20	MFWD 190	116,358	150	8	0.052	0.92	1.20	2.30	0.19	4.63	5.56	1.52	11.73
NT Plant&Pre-Folding	24R-30	MFWD 190	141,887	150	8	0.035	0.61	0.80	1.87	0.13	3.42	4.52	1.01	8.97
NT Plant&Pre-Folding	31R-15	MFWD 225	126,903	150	8	0.054	0.95	1.47	2.60	0.24	5.27	6.27	1.86	13.41
NT Plant&Pre-Folding	32R-15	MFWD 225	128,819	150	8	0.052	0.92	1.42	2.55	0.23	5.14	6.16	1.80	13.11
NT Plant&Pre-Folding	32R-30	MFWD 225	211,058	150	8	0.026	0.46	0.71	2.09	0.11	3.38	5.05	0.90	9.33
NT Plant&Pre-Folding	36R-20	MFWD 225	148,766	150	8	0.035	0.61	0.95	1.96	0.15	3.69	4.74	1.20	9.64
NT Plant&Pre-Folding	36R-30	MFWD 225	216,431	150	8	0.023	0.41	0.63	1.90	0.10	3.05	4.60	0.80	8.46
NT Plant&Pre-Rigid	4R-30	2WD 130	23,011	150	8	0.211	3.70	3.29	1.82	0.51	9.34	4.40	3.86	17.62
NT Plant&Pre-Rigid	4R-38	2WD 130	23,351	150	8	0.166	2.91	2.59	1.45	0.40	7.38	3.52	3.04	13.94
NT Plant&Pre-Rigid	6R-30	MFWD 150	29,138	150	8	0.141	2.47	2.53	1.54	0.44	6.99	3.71	3.34	14.06
NT Plant&Pre-Rigid	6R-38	MFWD 150	28,778	150	8	0.111	1.95	2.00	1.20	0.35	5.50	2.90	2.64	11.05
NT Plant&Pre-Rigid	8R-30	MFWD 170	34,646	150	8	0.105	1.85	2.15	1.37	0.37	5.75	3.31	2.89	11.97
NT Plant&Pre-Rigid	8R-38	MFWD 170	32,221	150	8	0.083	1.46	1.70	1.01	0.29	4.47	2.43	2.29	9.20
NT Plant&Pre-Rigid	10R-30	MFWD 190	35,847	150	8	0.084	1.48	1.92	1.13	0.31	4.86	2.74	2.44	10.05
NT Plant&Pre-Rigid	11R-15	MFWD 170	41,039	150	8	0.143	2.52	2.93	2.21	0.50	8.17	5.34	3.94	17.46
NT Plant&Pre-Rigid	11R-20	MFWD 170	37,716	150	8	0.115	2.02	2.35	1.63	0.40	6.42	3.94	3.16	13.54
NT Plant&Pre-Rigid	12R-20	MFWD 190	51,000	150	8	0.105	1.85	2.41	2.02	0.39	6.68	4.88	3.05	14.61
NT Plant&Pre-Rigid	12R-30	MFWD 190	53,261	150	8	0.070	1.23	1.60	1.40	0.26	4.51	3.39	2.03	9.94
NT Plant&Pre-Rigid	13R-18/20	MFWD 225	47,102	150	8	0.097	1.70	2.63	1.72	0.43	6.49	4.15	3.32	13.97
NT Plant&Pre-Rigid	13R-36/40	MFWD 225	42,223	150	8	0.051	0.90	1.39	0.81	0.22	3.34	1.97	1.76	7.07
NT Plant&Pre-Rigid	15R-15	MFWD 190	51,943	150	8	0.113	1.98	2.57	2.20	0.42	7.18	5.31	3.26	15.76
NT Plant&Pre-Rigid	15R-20	MFWD 190	51,799	150	8	0.084	1.48	1.92	1.64	0.31	5.37	3.96	2.44	11.77
NT Plant&Pre-Rigid	16R-30	MFWD 225	91,438	150	8	0.052	0.92	1.42	1.81	0.23	4.39	4.37	1.80	10.58
NT Plant&Pre-TwinRow	12R-30/40	MFWD 225	93,702	150	8	0.055	0.97	1.50	1.95	0.24	4.67	4.72	1.89	11.30
NT Plant&Pre-TwinRow	8R-30/40	MFWD 225	72,036	150	8	0.083	1.46	2.25	2.25	0.36	6.34	5.45	2.85	14.65
NT Plant-Folding	8R-38	MFWD 170	37,773	150	8	0.077	1.36	1.58	1.09	0.27	4.31	2.65	2.12	9.10
NT Plant-Folding	8R-38 2x1	MFWD 170	52,058	150	8	0.051	0.90	1.05	1.00	0.18	3.15	2.43	1.41	7.00
NT Plant-Folding	10R-30	MFWD 190	50,234	150	8	0.078	1.37	1.79	1.48	0.29	4.94	3.57	2.26	10.77
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.08	1.41	1.10	0.23	3.83	2.67	1.78	8.29
NT Plant-Folding	12R-20	MFWD 190	49,009	150	8	0.098	1.72	2.23	1.80	0.36	6.12	4.35	2.83	13.31
NT Plant-Folding	12R-30	MFWD 190	58,369	150	8	0.065	1.14	1.49	1.43	0.24	4.31	3.45	1.88	9.66
NT Plant-Folding	12R-38	MFWD 190	53,912	150	8	0.051	0.90	1.17	1.04	0.19	3.32	2.52	1.49	7.33
NT Plant-Folding	16R-30	MFWD 190	80,067	150	8	0.049	0.86	1.11	1.47	0.18	3.63	3.55	1.41	8.61

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2008 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
NT Plant-Folding	23R-15	MFWD 190	94,346	150	8	0.068	1.19	1.55	2.41	0.25	5.41	5.82	1.96	13.20
NT Plant-Folding	24R-15	MFWD 225	96,331	150	8	0.065	1.14	1.76	2.36	0.28	5.56	5.70	2.23	13.51
NT Plant-Folding	24R-20	MFWD 190	110,635	150	8	0.049	0.86	1.11	2.03	0.18	4.20	4.91	1.41	10.53
NT Plant-Folding	24R-30	MFWD 190	134,092	150	8	0.032	0.57	0.74	1.64	0.12	3.08	3.97	0.94	8.00
NT Plant-Folding	31R-15	MFWD 225	119,109	150	8	0.050	0.88	1.36	2.26	0.22	4.75	5.47	1.73	11.95
NT Plant-Folding	32R-15	MFWD 225	121,025	150	8	0.049	0.86	1.32	2.22	0.21	4.63	5.38	1.67	11.68
NT Plant-Folding	32R-30	MFWD 225	203,263	150	8	0.024	0.43	0.66	1.87	0.10	3.07	4.51	0.83	8.42
NT Plant-Folding	36R-20	MFWD 225	140,972	150	8	0.032	0.57	0.88	1.73	0.14	3.33	4.17	1.11	8.62
NT Plant-Folding	36R-30	MFWD 225	208,636	150	8	0.021	0.38	0.58	1.70	0.09	2.77	4.12	0.74	7.64
NT Plant-Rigid	4R-30	2WD 130	17,764	150	8	0.196	3.44	3.06	1.30	0.47	8.29	3.15	3.59	15.04
NT Plant-Rigid	4R-38	2WD 130	18,104	150	8	0.154	2.70	2.41	1.05	0.37	6.54	2.53	2.82	11.91
NT Plant-Rigid	6R-30	MFWD 150	23,891	150	8	0.130	2.29	2.35	1.17	0.41	6.23	2.83	3.11	12.18
NT Plant-Rigid	6R-38	MFWD 150	23,531	150	8	0.103	1.81	1.85	0.91	0.32	4.91	2.20	2.45	9.56
NT Plant-Rigid	8R-30	MFWD 170	29,399	150	8	0.098	1.72	2.00	1.08	0.34	5.15	2.61	2.69	10.45
NT Plant-Rigid	8R-38	MFWD 170	26,974	150	8	0.077	1.36	1.58	0.78	0.27	4.00	1.89	2.12	8.02
NT Plant-Rigid	10R-30	MFWD 190	30,600	150	8	0.078	1.37	1.79	0.90	0.29	4.36	2.17	2.26	8.80
NT Plant-Rigid	11R-15	MFWD 170	35,791	150	8	0.133	2.34	2.72	1.79	0.47	7.33	4.32	3.66	15.32
NT Plant-Rigid	11R-20	MFWD 170	32,468	150	8	0.107	1.88	2.18	1.30	0.38	5.75	3.15	2.94	11.85
NT Plant-Rigid	12R-20	MFWD 190	45,753	150	8	0.098	1.72	2.23	1.68	0.36	6.00	4.06	2.83	12.90
NT Plant-Rigid	12R-30	MFWD 190	48,014	150	8	0.065	1.14	1.49	1.17	0.24	4.06	2.84	1.88	8.79
NT Plant-Rigid	13R-18/20	MFWD 225	41,380	150	8	0.090	1.59	2.45	1.41	0.40	5.85	3.40	3.10	12.36
NT Plant-Rigid	13R-36/40	MFWD 225	36,500	150	8	0.047	0.83	1.29	0.65	0.21	2.99	1.58	1.63	6.21
NT Plant-Rigid	15R-15	MFWD 190	46,220	150	8	0.105	1.84	2.39	1.82	0.39	6.44	4.39	3.02	13.87
NT Plant-Rigid	15R-20	MFWD 190	46,076	150	8	0.078	1.37	1.79	1.35	0.29	4.81	3.27	2.26	10.36
NT Plant-Rigid	16R-30	MFWD 225	85,715	150	8	0.049	0.86	1.32	1.57	0.21	3.98	3.81	1.67	9.46
NT Plant-TwinRow	12R-30/40	MFWD 225	87,980	150	8	0.051	0.90	1.39	1.70	0.22	4.23	4.11	1.76	10.11
NT Plant-TwinRow	8R-30/40	MFWD 225	66,789	150	8	0.077	1.36	2.09	1.94	0.34	5.74	4.69	2.64	13.08
Paratill & Bed Fold.	8R-38	MFWD 225	30,876	150	12	0.080	0.82	2.17	0.90	0.35	4.26	2.00	2.75	9.02
Paratill & Bed Fold.	8R-38 2x1	MFWD 225	42,878	150	12	0.053	0.54	1.45	0.83	0.23	3.06	1.85	1.83	6.76
Paratill & Bed Fold.	10R-30	MFWD 225	24,840	150	12	0.081	0.83	2.20	0.73	0.36	4.13	1.63	2.78	8.55
Paratill & Bed Fold.	12R-38	MFWD 225	42,878	150	12	0.053	0.54	1.45	0.83	0.23	3.06	1.85	1.83	6.76
Paratill & Bed Rigid	4R-30	MFWD 225	9,794	150	12	0.204	2.08	5.51	0.72	0.90	9.22	1.61	6.97	17.80
Paratill & Bed Rigid	4R-38	MFWD 225	10,068	150	12	0.160	1.64	4.34	0.58	0.70	7.27	1.30	5.48	14.07
Paratill & Bed Rigid	6R-30	MFWD 225	13,527	150	12	0.136	1.39	3.67	0.66	0.60	6.33	1.48	4.64	12.46
Paratill & Bed Rigid	6R-38	MFWD 225	15,868	150	12	0.107	1.09	2.90	0.61	0.47	5.09	1.37	3.66	10.13
Paratill & Bed Rigid	8R-30	MFWD 225	17,858	150	12	0.102	1.04	2.75	0.65	0.45	4.90	1.46	3.48	9.86
Paratill & Bed Rigid	8R-38	MFWD 225	20,542	150	12	0.080	0.82	2.17	0.59	0.35	3.95	1.33	2.75	8.05
Paratill & Bed Rigid	10R-30	MFWD 225	19,308	150	12	0.081	0.83	2.20	0.56	0.36	3.97	1.27	2.78	8.02
Peanut Cond.& Lifter	6-Row	MFWD 190	10,705	300	20	0.100	1.02	2.27	0.17	0.37	3.85	0.36	2.88	7.09
Peanut Conditioner	4-Row	MFWD 190	6,035	300	20	0.142	1.45	3.25	0.24	0.53	5.49	0.27	4.12	9.88
Peanut Conditioner	6-Row	MFWD 190	9,265	300	20	0.100	1.02	2.27	0.18	0.37	3.85	0.29	2.88	7.03
Peanut Dig/Invertor	4R-30	MFWD 190	20,559	300	15	0.235	2.40	5.37	1.20	0.87	9.86	1.86	6.80	18.53
Peanut Dig/Invertor	4R-38	MFWD 190	20,559	300	15	0.186	1.90	4.24	0.95	0.69	7.79	1.46	5.37	14.63
Peanut Dig/Invertor	6R-38	MFWD 190	29,200	300	15	0.124	1.26	2.82	0.63	0.46	5.19	1.39	3.57	10.16
Peanut Dump Cart	6-Row	MFWD 190	25,652	300	20	0.310	3.16	7.06	0.46	1.15	11.84	2.63	8.94	23.42
Peanut Harvester	4R-30	MFWD 225	94,566	300	20	1.176	12.01	31.74	6.30	5.19	55.25	35.35	40.14	130.74
Peanut Harvester	4R-38	MFWD 225	94,566	300	20	0.934	9.54	25.21	5.00	4.12	43.89	28.69	31.88	104.47
Peanut Harvester	6R-38	MFWD 225	110,104	300	20	0.625	6.38	16.86	3.32	2.75	29.32	22.34	21.32	72.99
Peanut Lifter	6-Row	MFWD 225	4,178	300	20	0.100	1.02	2.69	0.08	0.44	4.24	0.13	3.41	7.79
Peanut Plt&Pre Fold	12R-38	MFWD 190	54,072	150	8	0.080	1.40	1.83	1.63	0.29	5.17	3.93	2.31	11.42
Peanut Plt&Pre Rigid	8R-30	MFWD 190	30,938	150	8	0.152	2.67	3.48	1.77	0.56	8.50	4.27	4.40	17.18
Peanut Plt&Pre Rigid	8R-38	MFWD 190	28,513	150	8	0.120	2.11	2.75	1.29	0.45	6.60	3.11	3.48	13.21
Pipe Spool 160ac	1/4m roll	2WD 130	3,400	15	12	0.003	0.07	0.04	0.00	0.00	0.13	0.08	0.05	0.28
Pipe Trailer 1m/160a	30'	2WD 130	1,122	100	15	0.003	0.14	0.05	0.00	0.00	0.21	0.00	0.06	0.28
Plant & Pre-Folding	8R-38	MFWD 170	39,313	150	8	0.080	1.40	1.63	1.18	0.28	4.51	2.85	2.19	9.56
Plant & Pre-Folding	8R-38 2x1	MFWD 170	53,597	150	8	0.053	0.93	1.08	1.07	0.18	3.28	2.59	1.46	7.34
Plant & Pre-Folding	10R-30	MFWD 190	50,846	150	8	0.081	1.42	1.85	1.54	0.30	5.12	3.73	2.34	11.20
Plant & Pre-Folding	10R-38	MFWD 190	48,258	150	8	0.064	1.12	1.45	1.15	0.23	3.98	2.79	1.84	8.62
Plant & Pre-Folding	12R-20	MFWD 190	48,694	150	8	0.101	1.77	2.31	1.85	0.37	6.32	4.47	2.92	13.73
Plant & Pre-Folding	12R-30	MFWD 190	58,054	150	8	0.067	1.18	1.54	1.47	0.25	4.45	3.55	1.95	9.96
Plant & Pre-Folding	12R-38	MFWD 190	54,072	150	8	0.053	0.93	1.21	1.08	0.19	3.43	2.61	1.54	7.59
Plant & Pre-Folding	16R-30	MFWD 190	78,373	150	8	0.050	0.88	1.15	1.49	0.18	3.72	3.60	1.46	8.79
Plant & Pre-Folding	23R-15	MFWD 190	88,933	150	8	0.070	1.23	1.60	2.35	0.26	5.45	5.67	2.03	13.16
Plant & Pre-Folding	24R-15	MFWD 225	90,454	150	8	0.067	1.18	1.82	2.29	0.29	5.60	5.54	2.30	13.45
Plant & Pre-Folding	24R-20	MFWD 190	105,234	150	8	0.050	0.88	1.15	2.00	0.18	4.23	4.83	1.46	10.53
Plant & Pre-Folding	24R-30	MFWD 190	130,763	150	8	0.033	0.59	0.77	1.65	0.12	3.15	4.00	0.97	8.13
Plant & Pre-Folding	31R-15	MFWD 225	112,535	150	8	0.052	0.91	1.41	2.21	0.23	4.78	5.34	1.79	11.91
Plant & Pre-Folding	32R-15	MFWD 225	113,987	150	8	0.050	0.88	1.37	2.17	0.22	4.65	5.23	1.73	11.62
Plant & Pre-Folding	32R-30	MFWD 225	196,226	150	8	0.025	0.44	0.68	1.86	0.11	3.10	4.50	0.86	8.48
Plant & Pre-Folding	36R-20	MFWD 225	143,204	150	8	0.033	0.59	0.91	1.81	0.14	3.47	4.38	1.15	9.01
Plant & Pre-Folding	36R-30	MFWD 225	210,869	150	8	0.022	0.39	0.60	1.78	0.09	2.88	4.30	0.76	7.96
Plant & Pre-Folding	8R-30/40	MFWD 225	68,328	150	8	0.080	1.40	2.16	2.05	0.35	5.98	4.96	2.73	13.68
Plant & Pre-Rigid	4R-30	2WD 130	21,157	150	8	0.203	3.55	3.16	1.61	0.49	8.83	3.88	3.71	16.43
Plant & Pre-Rigid	4R-38	2WD 130	21,497	150	8	0.159	2.80	2.49	1.28	0.39	6.97	3.11	2.92	13.00
Plant & Pre-Rigid	6R-30	MFWD 150	27,284	150	8	0.135	2.37	2.43	1.38	0.42	6.62	3.34	3.21	13.18

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2008 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Plant & Pre-Rigid	6R-38	MFWD 150	25,997	150	8	0.106	1.87	1.92	1.04	0.33	5.17	2.51	2.53	10.22
Plant & Pre-Rigid	8R-30	MFWD 170	30,938	150	8	0.101	1.77	2.07	1.17	0.35	5.38	2.84	2.78	11.01
Plant & Pre-Rigid	8R-38	MFWD 170	28,513	150	8	0.080	1.40	1.63	0.85	0.28	4.18	2.07	2.19	8.45
Plant & Pre-Rigid	10R-30	MFWD 190	31,212	150	8	0.081	1.42	1.85	0.95	0.30	4.52	2.29	2.34	9.16
Plant & Pre-Rigid	11R-15	MFWD 170	35,940	150	8	0.148	2.59	3.02	1.99	0.52	8.14	4.82	4.06	17.02
Plant & Pre-Rigid	11R-20	MFWD 170	32,617	150	8	0.110	1.94	2.26	1.35	0.39	5.95	3.27	3.04	12.27
Plant & Pre-Rigid	12R-20	MFWD 190	45,438	150	8	0.101	1.77	2.31	1.73	0.37	6.20	4.17	2.92	13.30
Plant & Pre-Rigid	12R-30	MFWD 190	47,699	150	8	0.067	1.18	1.54	1.21	0.25	4.19	2.92	1.95	9.06
Plant & Pre-Rigid	13R-18/20	MFWD 225	41,077	150	8	0.093	1.63	2.52	1.44	0.41	6.01	3.47	3.19	12.69
Plant & Pre-Rigid	13R-36/40	MFWD 225	36,197	150	8	0.049	0.86	1.33	0.67	0.21	3.09	1.62	1.68	6.40
Plant & Pre-Rigid	15R-15	MFWD 190	44,990	150	8	0.108	1.90	2.47	1.83	0.40	6.61	4.42	3.13	14.16
Plant & Pre-Rigid	15R-20	MFWD 190	44,846	150	8	0.081	1.42	1.85	1.36	0.30	4.94	3.29	2.34	10.58
Plant & Pre-Rigid	16R30	MFWD 225	84,022	150	8	0.050	0.88	1.37	1.59	0.22	4.08	3.86	1.73	9.67
Plant & Pre-TwinRow	12R-30/40	MFWD 225	88,140	150	8	0.053	0.93	1.44	1.76	0.23	4.38	4.26	1.82	10.46
Plant - Folding	8R-38	MFWD 170	34,065	150	8	0.074	1.30	1.51	0.95	0.26	4.04	2.29	2.04	8.38
Plant - Folding	8R-38 2x1	MFWD 170	48,350	150	8	0.049	0.86	1.01	0.89	0.17	2.95	2.17	1.35	6.48
Plant - Folding	10R-30	MFWD 190	45,599	150	8	0.075	1.32	1.71	1.28	0.28	4.61	3.11	2.17	9.90
Plant - Folding	10R-38	MFWD 190	43,011	150	8	0.059	1.04	1.35	0.95	0.22	3.57	2.31	1.71	7.61
Plant - Folding	12R-20	MFWD 190	43,447	150	8	0.094	1.65	2.14	1.53	0.35	5.68	3.70	2.71	12.11
Plant - Folding	12R-30	MFWD 190	52,807	150	8	0.062	1.10	1.43	1.24	0.23	4.01	3.00	1.81	8.83
Plant - Folding	12R-38	MFWD 190	48,350	150	8	0.049	0.86	1.13	0.89	0.18	3.08	2.17	1.43	6.68
Plant - Folding	16R-30	MFWD 190	72,651	150	8	0.047	0.82	1.07	1.28	0.17	3.36	3.10	1.35	7.81
Plant - Folding	23R-15	MFWD 190	83,686	150	8	0.065	1.14	1.49	2.05	0.24	4.93	4.96	1.88	11.78
Plant - Folding	24R-15	MFWD 225	85,207	150	8	0.062	1.10	1.69	2.00	0.27	5.08	4.84	2.14	12.07
Plant - Folding	24R-20	MFWD 190	99,511	150	8	0.047	0.82	1.07	1.75	0.17	3.83	4.24	1.35	9.44
Plant - Folding	24R-30	MFWD 190	122,968	150	8	0.031	0.55	0.71	1.44	0.11	2.83	3.49	0.90	7.23
Plant - Folding	31R-15	MFWD 225	104,740	150	8	0.048	0.85	1.31	1.91	0.21	4.29	4.62	1.66	10.58
Plant - Folding	32R-15	MFWD 225	106,193	150	8	0.047	0.82	1.27	1.87	0.20	4.18	4.53	1.60	10.32
Plant - Folding	32R-30	MFWD 225	188,431	150	8	0.023	0.41	0.63	1.66	0.10	2.81	4.02	0.80	7.64
Plant - Folding	36R-20	MFWD 225	135,410	150	8	0.031	0.55	0.84	1.59	0.13	3.13	3.85	1.07	8.05
Plant - Folding	36R-30	MFWD 225	203,074	150	8	0.020	0.36	0.56	1.59	0.09	2.62	3.85	0.71	7.18
Plant - Rigid	4R-30	2WD 130	15,910	150	8	0.188	3.30	2.93	1.12	0.46	7.82	2.71	3.44	13.99
Plant - Rigid	4R-38	2WD 130	16,250	150	8	0.148	2.60	2.31	0.90	0.36	6.18	2.18	2.71	11.08
Plant - Rigid	6R-30	MFWD 150	22,037	150	8	0.125	2.20	2.26	1.03	0.39	5.90	2.50	2.98	11.39
Plant - Rigid	6R-38	MFWD 150	20,750	150	8	0.099	1.73	1.78	0.77	0.31	4.61	1.86	2.35	8.83
Plant - Rigid	8R-30	MFWD 170	25,691	150	8	0.094	1.65	1.92	0.90	0.33	4.81	2.19	2.58	9.59
Plant - Rigid	8R-38	MFWD 170	23,266	150	8	0.074	1.30	1.51	0.65	0.26	3.73	1.56	2.04	7.35
Plant - Rigid	10R-30	MFWD 190	25,965	150	8	0.075	1.32	1.71	0.73	0.28	4.05	1.77	2.17	8.00
Plant - Rigid	11R-15	MFWD 170	30,693	150	8	0.137	2.41	2.80	1.58	0.48	7.28	3.82	3.77	14.88
Plant - Rigid	11R-20	MFWD 170	27,370	150	8	0.103	1.80	2.10	1.05	0.36	5.32	2.55	2.82	10.70
Plant - Rigid	12R-20	MFWD 190	40,191	150	8	0.094	1.65	2.14	1.42	0.35	5.57	3.43	2.71	11.72
Plant - Rigid	12R-30	MFWD 190	42,452	150	8	0.062	1.10	1.43	1.00	0.23	3.76	2.41	1.81	7.99
Plant - Rigid	13R-18/20	MFWD 225	35,355	150	8	0.086	1.52	2.34	1.15	0.38	5.40	2.78	2.96	11.14
Plant - Rigid	13R-36/40	MFWD 225	30,475	150	8	0.045	0.80	1.24	0.52	0.20	2.77	1.26	1.56	5.61
Plant - Rigid	15R-15	2WD 150	39,268	150	8	0.094	1.65	1.69	1.38	0.25	4.99	3.35	1.90	10.25
Plant - Rigid	15R-20	MFWD 190	39,124	150	8	0.075	1.32	1.71	1.10	0.28	4.42	2.67	2.17	9.27
Plant - Rigid	16R-30	MFWD 225	78,299	150	8	0.047	0.82	1.27	1.38	0.20	3.69	3.34	1.60	8.63
Plant - TwinRow	12R-30/40	MFWD 225	82,418	150	8	0.049	0.86	1.33	1.53	0.21	3.96	3.70	1.69	9.35
Plant - TwinRow	8R-30/40	MFWD 225	63,081	150	8	0.074	1.30	2.01	1.76	0.32	5.40	4.25	2.54	12.20
Rice Grain Cart	500 Bu	MFWD 190	14,819	200	12	0.057	0.58	1.30	0.22	0.21	2.32	0.51	1.64	4.48
Rice Grain Cart	700 Bu	MFWD 190	21,566	200	12	0.063	0.64	1.44	0.37	0.23	2.70	0.82	1.83	5.35
Rip/Bed/Till Fold	8R-38	MFWD 190	24,184	300	20	0.073	0.74	1.66	0.08	0.27	2.77	0.58	2.10	5.46
Rip/Bed/Till Fold	12R-30	MFWD 225	35,615	300	20	0.061	0.62	1.66	0.10	0.27	2.67	0.72	2.10	5.50
Rip/Bed/Till Fold	12R-38	MFWD 225	35,615	300	20	0.046	0.47	1.24	0.08	0.20	2.00	0.54	1.57	4.12
Rip/Bed/Till Rigid	4R-30	MFWD 190	11,528	300	20	0.184	1.88	4.21	0.10	0.68	6.89	0.70	5.33	12.93
Rip/Bed/Till Rigid	4R-38	MFWD 190	11,528	300	20	0.146	1.49	3.34	0.08	0.54	5.47	0.56	4.23	10.26
Rip/Bed/Till Rigid	6R-38	MFWD 190	15,978	300	20	0.097	0.99	2.21	0.07	0.36	3.65	0.51	2.80	6.97
Rip/Bed/Till Rigid	8R-30	MFWD 190	20,992	300	20	0.139	1.41	3.16	0.14	0.51	5.25	0.96	4.00	10.22
Rip/Bed/Till Rigid	8R-38	MFWD 190	20,992	300	20	0.073	0.74	1.66	0.07	0.27	2.76	0.50	2.10	5.37
Rip/Bed/Till Rigid	6R-30	MFWD 190	15,978	300	20	0.123	1.25	2.80	0.09	0.45	4.62	0.65	3.55	8.83
Ripper Conditioner	4-Row	MFWD 225	11,470	150	12	0.160	1.64	4.34	0.66	0.70	7.36	1.48	5.48	14.33
Ripper Conditioner	6-Row	MFWD 225	14,430	150	12	0.107	1.09	2.90	0.56	0.47	5.03	1.24	3.66	9.95
Ripper Conditioner	8-Row	MFWD 225	17,205	150	12	0.080	0.82	2.17	0.50	0.35	3.86	1.11	2.75	7.73
Roller	32'-12R30	MFWD 170	15,223	100	12	0.046	0.47	0.95	0.11	0.16	1.71	0.85	1.27	3.84
Roller/Bed Shaper Fl	8R-38	MFWD 190	17,408	160	10	0.074	0.75	1.68	0.32	0.27	3.04	1.06	2.13	6.24
Roller/Bed Shaper Fl	12R-30	MFWD 225	18,923	160	10	0.062	0.63	1.68	0.29	0.27	2.89	0.97	2.13	6.00
Roller/Bed Shaper Fl	12R-38	MFWD 225	21,598	160	10	0.049	0.50	1.33	0.26	0.21	2.31	0.88	1.68	4.88
Roller/Bed Shaper Fl	16R-30	MFWD 225	21,655	160	10	0.046	0.47	1.26	0.25	0.20	2.20	0.83	1.59	4.64
Roller/Bed Shaper Rd	8R-38	MFWD 190	12,910	160	10	0.074	0.75	1.68	0.23	0.27	2.96	0.79	2.13	5.88
Rotary Cutter	7'	MFWD 130	3,661	185	10	0.168	1.71	2.62	0.49	0.46	5.30	0.44	3.45	9.19
Rotary Cutter	12'	2WD 150	8,336	185	10	0.098	1.00	1.76	0.66	0.26	3.69	0.58	1.98	6.27
Rotary Cutter-Flex	15'	MFWD 150	14,337	185	10	0.078	0.80	1.41	0.91	0.24	3.37	0.80	1.86	6.04
Rotary Cutter-Flex	20'	MFWD 150	21,159	185	10	0.058	0.60	1.06	1.01	0.18	2.85	0.89	1.39	5.15
Row Cond & Inc Fold.	26'	MFWD 190	19,209	100	10	0.068	0.95	1.57	0.33	0.25	3.11	1.75	1.98	6.85
Row Cond & Inc Fold.	38'	MFWD 225	22,309	100	10	0.047	0.65	1.27	0.26	0.20	2.39	1.39	1.61	5.40
Row Cond & Inc Rigid	13'	2WD 130	10,279	100	10	0.137	1.91	2.15	0.35	0.33	4.75	1.87	2.52	9.15

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2008 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
Row Cond & Inc Rigid	21'	2WD 170	12,957	100	10	0.085	1.18	1.74	0.27	0.24	3.44	1.46	1.91	6.82
Row Cond & Inc Rigid	26'	MFWD 190	14,723	100	10	0.028	0.40	0.65	0.10	0.10	1.27	0.56	0.83	2.67
Row Cond (Harrow)Fld	26'	MFWD 225	13,962	100	10	0.057	0.58	1.54	0.20	0.25	2.58	1.05	1.95	5.60
Row Cond (Harrow)Fld	38'	MFWD 225	16,587	100	10	0.039	0.40	1.06	0.16	0.17	1.79	0.86	1.34	4.00
Row Cond (Harrow)Rdg	13'	2WD 130	5,032	100	10	0.114	1.17	1.79	0.14	0.28	3.38	0.76	2.10	6.25
Row Cond (Harrow)Rdg	21'	2WD 170	7,710	100	10	0.071	0.72	1.44	0.13	0.20	2.51	0.72	1.59	4.83
Row Cond (Harrow)Rdg	26'	MFWD 190	9,476	100	10	0.057	0.58	1.30	0.13	0.21	2.24	0.71	1.65	4.62
Row Cond (Plant)Fld	26'	MFWD 225	13,962	100	10	0.057	0.58	1.54	0.20	0.25	2.58	1.05	1.95	5.60
Row Cond (Plant)Fld	38'	MFWD 225	16,587	100	10	0.053	0.54	1.45	0.22	0.23	2.46	1.17	1.83	5.47
Row Cond (Plant)Rdg	13'	2WD 130	5,032	100	10	0.157	1.60	2.45	0.19	0.38	4.63	1.04	2.87	8.55
Row Cond (Plant)Rdg	21'	2WD 170	7,710	100	10	0.097	0.99	1.98	0.18	0.28	3.44	0.99	2.18	6.61
Row Cond (Plant)Rdg	26'	MFWD 190	9,476	100	10	0.078	0.80	1.79	0.18	0.29	3.07	0.98	2.26	6.32
RT Cult (Early)	8R-30	2WD 170	22,538	200	12	0.103	1.05	2.10	1.11	0.29	4.56	1.43	2.31	8.31
RT Cult (Early)	12R-30	2WD 190	32,545	200	12	0.068	0.70	1.56	1.07	0.23	3.57	1.38	1.78	6.73
RT Cult (Late)	8R-30	2WD 170	22,538	200	12	0.128	1.31	2.62	1.39	0.37	5.71	1.79	2.88	10.39
RT Cult (Late)	12R-30	2WD 190	32,545	200	12	0.085	0.87	1.95	1.34	0.28	4.46	1.72	2.22	8.41
RT Cult + PD (Early)	8R-30	2WD 150	27,785	200	12	0.110	1.52	1.97	1.46	0.29	5.26	1.88	2.22	9.37
RT Cult + PD (Early)	12R-30	2WD 190	37,792	200	12	0.073	1.01	1.67	1.32	0.24	4.26	1.70	1.90	7.87
RT Cult + PD (Late)	8R-30	2WD 170	27,785	200	12	0.137	1.90	2.80	1.83	0.39	6.93	2.35	3.08	12.37
RT Cult + PD (Late)	12R-30	2WD 190	37,792	200	12	0.091	1.27	2.08	1.66	0.30	5.32	2.13	2.37	9.84
Spin Spreader	5 ton	MFWD 190	11,082	100	8	0.042	0.73	0.95	0.26	0.15	2.11	0.65	1.21	3.98
Spray (Band)	27' Fold	MFWD 170	5,247	200	8	0.062	0.86	1.27	0.15	0.22	2.52	0.23	1.71	4.47
Spray (Band)	40' Fold	MFWD 170	5,722	200	8	0.042	0.58	0.86	0.11	0.14	1.71	0.16	1.15	3.04
Spray (Band)	50' Fold	MFWD 170	5,622	200	8	0.033	0.46	0.69	0.08	0.11	1.36	0.13	0.92	2.42
Spray (Band)	53' Fold	MFWD 170	6,666	200	8	0.031	0.44	0.65	0.09	0.11	1.30	0.14	0.87	2.33
Spray (Band)	60' Fold	MFWD 170	7,794	200	8	0.028	0.39	0.57	0.10	0.09	1.16	0.15	0.77	2.09
Spray (Bcast/HB)	13' Rigid	MFWD 150	4,571	200	8	0.130	1.80	2.34	0.27	0.41	4.83	0.41	3.09	8.34
Spray (Bcast/HB)	20' Rigid	MFWD 150	5,378	200	8	0.084	1.17	1.52	0.21	0.26	3.17	0.31	2.00	5.50
Spray (Bcast/HB)	27' Fold	MFWD 170	9,220	200	8	0.062	0.86	1.27	0.27	0.22	2.63	0.40	1.71	4.76
Spray (Bcast/HB)	27' Rigid	MFWD 170	6,245	200	8	0.062	0.86	1.27	0.18	0.22	2.55	0.27	1.71	4.54
Spray (Bcast/HB)	30' Fold	MFWD 170	12,454	200	8	0.056	0.78	1.15	0.32	0.19	2.46	0.49	1.54	4.50
Spray (Bcast/HB)	40' Fold	MFWD 170	12,904	200	8	0.042	0.58	0.86	0.25	0.14	1.85	0.38	1.15	3.39
Spray (Bcast/HB/HD)	27'	MFWD 170	19,559	200	8	0.062	0.86	1.27	0.57	0.22	2.94	0.86	1.71	5.52
Spray (Bcast/HB/HD)	40'	MFWD 170	23,213	200	8	0.042	0.58	0.86	0.46	0.14	2.05	0.68	1.15	3.90
Spray (Broadcast)	27'	MFWD 170	5,247	200	8	0.062	0.86	1.27	0.15	0.22	2.52	0.23	1.71	4.47
Spray (Broadcast)	40'	MFWD 170	5,722	200	8	0.042	0.58	0.86	0.11	0.14	1.71	0.16	1.15	3.04
Spray (Broadcast)	50'	MFWD 170	5,622	200	8	0.033	0.46	0.69	0.08	0.11	1.36	0.13	0.92	2.42
Spray (Broadcast)	53'	MFWD 170	6,666	200	8	0.031	0.44	0.65	0.09	0.11	1.30	0.14	0.87	2.33
Spray (Broadcast)	60'	MFWD 170	7,794	200	8	0.028	0.39	0.57	0.10	0.09	1.16	0.15	0.77	2.09
Spray (Direct/Hood)	8R-30	MFWD 170	13,842	200	8	0.084	1.17	1.72	0.54	0.29	3.74	0.82	2.31	6.88
Spray (Direct/Hood)	8R-38	MFWD 170	14,981	200	8	0.066	0.92	1.36	0.46	0.23	2.99	0.70	1.83	5.53
Spray (Direct/Hood)	12R-30	MFWD 170	17,570	200	8	0.056	0.78	1.15	0.46	0.19	2.59	0.69	1.54	4.83
Spray (Direct/Hood)	12R-38	MFWD 170	18,014	200	8	0.044	0.61	0.90	0.37	0.15	2.05	0.56	1.22	3.84
Spray (Direct/Layby)	8R-30	MFWD 170	9,000	200	8	0.084	1.17	1.72	0.35	0.29	3.55	0.53	2.31	6.40
Spray (Direct/Layby)	8R-38	MFWD 170	10,283	200	8	0.066	0.92	1.36	0.32	0.23	2.85	0.48	1.83	5.16
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	17,637	200	8	0.044	0.61	0.90	0.36	0.15	2.05	0.55	1.22	3.82
Spray (Direct/Layby)	10R-30	MFWD 170	10,371	200	8	0.067	0.93	1.38	0.32	0.23	2.88	0.49	1.85	5.23
Spray (Direct/Layby)	12R-30	MFWD 170	11,554	200	8	0.056	0.78	1.15	0.30	0.19	2.43	0.45	1.54	4.44
Spray (Direct/Layby)	12R-38	MFWD 170	17,637	200	8	0.044	0.61	0.90	0.36	0.15	2.05	0.55	1.22	3.82
Spray (Direct/Layby)	16R-20	MFWD 170	9,031	200	8	0.063	0.87	1.29	0.26	0.22	2.66	0.40	1.73	4.80
Spray (Spot)	27'	MFWD 170	5,247	200	8	0.062	0.86	1.27	0.15	0.22	2.52	0.23	1.71	4.47
Spray (Spot)	40'	MFWD 170	5,722	200	8	0.042	0.58	0.86	0.11	0.14	1.71	0.16	1.15	3.04
Spray (Spot)	50'	MFWD 170	5,622	200	8	0.033	0.46	0.69	0.08	0.11	1.36	0.13	0.92	2.42
Spray (Spot)	53'	MFWD 170	6,666	200	8	0.031	0.44	0.65	0.09	0.11	1.30	0.14	0.87	2.33
Spray (Spot)	60'	MFWD 170	7,794	200	8	0.028	0.39	0.57	0.10	0.09	1.16	0.15	0.77	2.09
Stalk Shredder	14'	MFWD 150	10,534	200	10	0.117	1.20	2.12	1.08	0.37	4.78	0.82	2.79	8.40
Stalk Shredder	20'	MFWD 150	24,437	200	10	0.082	0.84	1.48	1.76	0.26	4.35	1.33	1.95	7.64
Stalk Shredder-Flail	12'	MFWD 150	12,844	200	10	0.137	1.40	2.47	1.54	0.43	5.85	1.16	3.26	10.29
Stalk Shredder-Flail	15'	MFWD 150	14,841	200	10	0.110	1.12	1.97	1.42	0.34	4.87	1.07	2.61	8.57
Stalk Shredder-Flail	18'	MFWD 150	18,870	200	10	0.091	0.93	1.64	1.51	0.29	4.38	1.14	2.17	7.70
Stalk Shredder-Flail	20'	MFWD 150	19,244	200	10	0.082	0.84	1.48	1.38	0.26	3.97	1.04	1.95	6.98
Stalk Shredder-Flail	25'	MFWD 150	22,890	200	10	0.066	0.67	1.18	1.32	0.20	3.39	0.99	1.56	5.95
Subsoiler	3 shank	MFWD 190	4,200	100	15	0.204	2.08	4.65	0.28	0.76	7.79	0.94	5.89	14.62
Subsoiler	4 shank	MFWD 225	5,519	100	15	0.153	1.56	4.14	0.28	0.67	6.67	0.93	5.24	12.84
Subsoiler	5 shank	MFWD 225	6,342	100	15	0.122	1.24	3.30	0.25	0.53	5.34	0.85	4.17	10.37
Subsoiler low-till	4 shank	MFWD 225	8,969	100	15	0.153	1.56	4.14	0.45	0.67	6.85	1.51	5.24	13.60
Subsoiler low-till	6 shank	MFWD 225	12,263	100	15	0.102	1.04	2.75	0.41	0.45	4.66	1.37	3.48	9.53
Subsoiler low-till	8 shank	MFWD 225	16,124	100	15	0.076	0.78	2.06	0.41	0.33	3.59	1.35	2.61	7.56
TerraTill Bed w/roll	4R-30	MFWD 225	11,755	150	12	0.204	2.08	5.51	0.86	0.90	9.36	1.93	6.97	18.27
TerraTill Bed w/roll	4R-38	MFWD 225	11,755	150	12	0.160	1.64	4.34	0.68	0.70	7.37	1.52	5.48	14.38
TerraTill Bed w/roll	6R-30	MFWD 225	15,310	150	12	0.136	1.39	3.67	0.75	0.60	6.42	1.67	4.64	12.74
TerraTill Bed w/roll	6R-38	MFWD 225	15,310	150	12	0.107	1.09	2.90	0.59	0.47	5.06	1.32	3.66	10.06

Notes:
Labor: Includes labor from Power unit plus additional labor from the implement.
Total Direct: Does not include interest on operating capital.

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2008

ITEM NAME	UNIT	PRICE
		dollars
ADJUVANTS		
Crop Oil Conc.(Pet.)	pt	0.80
Crop Oil Conc.(Veg.)	pt	2.46
Drift/Defoamer	pt	5.01
Spreader Sticker	pt	3.18
Surfactant	pt	1.55
CLEANING		
Cleaning Peanuts	ton	18.00
CROP CONSULTANT		
Rice Consultant	acre	7.00
CROP INSURANCE		
Insurance - Peanuts	acre	13.00
CUSTOM FERTILIZE		
App Fert by Air	cwt	5.00
App Fert by Air(Min)	appl	5.00
Custom Apply Fert	acre	5.00
CUSTOM LIME		
Lime (Spread)	ton	40.00
CUSTOM SPRAY		
App by Air (1 gal)	appl	2.50
App by Air (2 gal)	appl	3.00
App by Air (3 gal)	appl	3.50
App by Air (5 gal)	appl	4.50
App by Air (10 gal)	appl	6.50
Custom Apply	acre	5.00
Custom Terragator	acre	5.00
DRYING		
Dry Corn	bu	0.19
Dry Grain Sorghum	cwt	0.25
Dry Peanuts	ton	24.00
Dry Rice	bu	0.40
ERADICATION FEE		
Eradication Fee	acre	5.50
Eradication Zone 1	acre	5.50
Eradication Zone 1A	acre	5.50
Eradication Zone 1B	acre	5.50
Eradication Zone 2	acre	6.00
Eradication Zone 3	acre	12.00
Eradication Zone 4	acre	10.50
FERTILIZERS		
Amm Nitrate (34% N)	cwt	16.00
Amm Sulfate (21% N)	cwt	12.00
Anhy Ammonia (82% N)	cwt	26.85
Boron 15%	lb	0.40
Boron Plus	pt	3.62
DAP	cwt	16.00
Fert 10-34-0	cwt	16.00
Fert 11-37-0	cwt	17.00
Fert 41-0-0-4	cwt	21.25
Phosphorus(46% P2O5)	cwt	14.00
Potash (60% K2O)	cwt	13.00
Sulfur 90%	lb	0.20
Sulfur Plus	pt	1.24
UAN (32% N)	cwt	12.00
UAN + Sulfur (28% N)	cwt	12.00
Urea, Solid (46% N)	cwt	17.00
Zinc Sulfate 31%	lb	0.65
FUNGICIDES		
Abound	pt	31.49
Apron Maxx RTA	oz	0.80
Apron XL	oz	5.78
Apron XL LS	oz	7.27
Bravo Weather Stick	pt	5.57
Captan 50 WP	lb	3.41
Cruiser 5FS	oz	17.38
Dithane F-45	qt	3.63
Dithane Rainshield	lb	2.46
Folicur 3.6	oz	2.19
Fungicide	lb	2.30
Gem 25 WG	oz	3.41
Headline	oz	1.88
Headline SBR Copak	oz	1.55
Manzate 75 DF	lb	2.61
Manzate Flowable	pt	1.77
Moncut 70 DF	lb	25.09
Moncut SC	pt	13.13
Optimizer LIFT	1.1gal	91.00
Phorate	lb	2.28
Prevail	lb	11.53
Quadris	oz	1.97
Quilt	pt	15.06
Ridomil Gold PC GR	lb	2.04
Rovral 4F	pt	19.93
Stiletto	oz	0.54
Stratego	pt	18.52
Terrachlor Flowable	pt	4.74
Terraclor 2EC	pt	1.91
Terraclor Super X EC	pt	3.89
Terraclor Super X G	lb	2.39
Tilt 3.6 EC	oz	2.62
Uniform	oz	3.07
Vitavax 200	oz	0.49
Vitavax RTU-Thiram	oz	0.35
Vitavax T-L	oz	0.29
GINNING		
Gin & Haul	lb	0.09
GROWTH REGULATORS		
Early Harvest PGR	oz	1.55
First Pick	pt	3.09
Mepex	oz	0.30
Mepex Gin Out	oz	0.46
Mepichlor 4.2% Liq	oz	0.39
Mepiquat Chloride	oz	0.47
Mepiquat Extra	oz	0.63
Pentia	pt	8.98
PGR IV	oz	1.64
PGR Plus	oz	4.95
Pix Plus	oz	0.56
Pix Ultra	oz	0.47
Stance	pt	24.88
SuperBoll	pt	4.23
HARVEST AIDS		
Accelerate	pt	2.76
Aim 2EC	oz	5.82
Ammonium Sulfate	lb	0.12
CottonQuik	pt	3.59
Def 6	pt	7.14
Def/Folex	pt	7.15
Defol 3	gal	3.04
Defol 5	gal	3.12
Defol 6	gal	4.80
Dropp 50 WP	lb	44.00
Dropp SC	oz	2.67
ET	pt	44.13
Ethephon 6E	pt	5.22
Finish 6	pt	9.40
Folex 6EC	pt	7.16
Freefall SC	oz	2.32
Ginstar EC	pt	27.59
Gramoxone Inteon	oz	0.23
Gramoxone Max	pt	5.09
Harvade 5F	oz	0.60
Leafless	pt	18.56
Prep	pt	5.44
Shed-a-leaf	gal	3.00
Sodium Chlorate 3L	gal	3.04

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2008 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Sodium Chlorate 5L	gal	3.12	Direx 80 DF	lb	3.89
Solium Chlorate 6L	gal	4.80	Diuron 4L	pt	2.22
TDZ SC	oz	2.07	Diuron 80 DF	lb	3.15
Thidiazuron 4lb	oz	2.43	Diuron 80%	lb	3.15
Thidiazuron 4SC	oz	2.66	Domain	lb	12.75
Tribufos 6lb	pt	7.15	DSMA 4	pt	0.87
HAULING			Dual II Magnum	pt	13.43
Haul Corn	bu	0.20	Dual Magnum	pt	12.64
Haul Cotton	lb	0.02	Duet	pt	3.54
Haul Peanuts	ton	14.50	Envoke	oz	75.62
Haul Rice	bu	0.22	Evik DF 80W	lb	6.78
Haul Sorghum	bu	0.20	Exceed	oz	10.71
Haul Soybeans	bu	0.20	Expert	pt	3.65
Haul Wheat	bu	0.20	Facet 75DF	lb	50.75
HERBICIDES			First Rate	oz	27.04
2,4-D Amine 4	pt	1.72	Flexstar HL	pt	12.88
2,4-D LV 4Ester	pt	1.93	FloMet 4L	pt	4.82
AAtrex 4L	pt	1.57	Fluometuron 4lb	pt	4.86
AAtrex NINE-O	lb	2.74	Frontier 6.0	oz	0.63
Accent Gold	oz	7.14	Fultime	pt	3.75
Accent SP	oz	31.60	Fusilade DX	oz	1.16
Aim 2EC	oz	5.82	Fusion	pt	19.84
Aim DF	oz	8.78	Glyfos	pt	2.26
Arrosolo	qt	7.50	Glyfos Xtra	pt	2.35
Arrow 2EC	pt	15.00	Glyphomax	pt	3.49
Assure II	oz	1.04	Glyphosate Plus 4L	pt	2.35
Atrazine 4L	pt	1.17	Glystar Plus	pt	2.35
Atrazine 90DF	lb	2.10	Goal 2XL	pt	10.54
Axiom 68DF	lb	22.02	Gramoxone Inteon	oz	0.23
Backdraft SL	pt	2.34	Gramoxone Max	pt	5.09
Banvel	pt	9.51	Grandstand R	qt	21.53
Basagran	pt	10.48	Guardsman Max	pt	5.50
Basis Gold	lb	18.87	Harmony Extra XP	oz	14.83
Beacon 75% WSP	oz	27.44	Hoelon 3EC	pt	9.71
Beyond	oz	4.10	Ignite 280	pt	6.32
Bicep II Magnum	qt	9.41	Karmex DF	lb	4.35
Blazer Ultra	pt	7.81	Lariat	qt	5.33
Bolero 8EC	pt	5.96	Lasso 4EC	qt	6.06
Boundary 7.5	pt	10.13	Lasso MT	qt	5.94
Buccaneer	pt	1.97	Layby Pro	qt	9.04
Buctril 4EC	pt	15.51	Lexar	pt	4.90
Butoxone 175(2,4-DB)	pt	2.70	Liberty	pt	8.76
Butoxone 200(2,4-DB)	pt	4.05	Lightning	oz	12.18
Butyrac 175 (2,4-DB)	pt	2.64	Linex 4L	pt	6.93
Butyrac 200 (2,4-DB)	pt	4.15	Londax 60DF	oz	11.25
Cadre DG Eco-Pak	oz	13.75	Lorox 50DF	lb	15.75
Callisto 4SC	oz	4.28	Me-Too-Lachlor	pt	5.36
Canopy 75%	oz	2.55	MSMA 6.6	pt	2.01
Canopy EX	oz	5.50	MSMA6 + Surfactant	pt	1.98
Canopy XL	oz	1.93	Newpath 2SL	oz	3.60
Caparol 4L	pt	3.99	Ordram 15-GM	lb	1.38
Celebrity Plus	lb	87.70	Ordram 8-E	pt	7.60
Clarity	pt	11.60	Osprey	oz	3.44
Classic	oz	13.26	Outlook	pt	18.47
Clearpath	lb	7.08	Parrlay	pt	8.13
Clincher SF	oz	1.68	Pendimax 3.3	pt	2.84
Cobra 2EC	oz	1.19	Permit 75 DF	oz	17.49
Command 3ME	pt	12.75	Poast 1.53	pt	8.46
Conclude XACT	pt	9.59	Poast Plus	pt	6.37
Cornerstone	pt	1.38	Prefix	pt	26.36
Cornerstone Plus	pt	1.44	Propimax EC	pt	37.07
Cotoran 4L	pt	4.90	Prowl 3.3 EC	pt	3.10
Cotoran DF	lb	8.05	Prowl H20	pt	3.80
Cotton Pro	pt	3.32	Pursuit DG	oz	11.34
Credit Extra	pt	2.34	Pursuit Plus EC	pt	6.33
Crossbow	pt	7.18	Python WDG	oz	9.35
Direx 4L	pt	2.29			(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2008 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Raptor	oz	4.13	Couraze 2F	pt	47.67
Rascal Plus	pt	1.38	Curacron 8E	pt	9.66
Reflex 2LC	pt	12.55	Decis 1.5EC	oz	2.84
Regiment 80WP	oz	35.00	Declare	pt	3.67
Remedy	pt	12.17	Delta Gold	pt	40.50
Resource .86EC	pt	21.24	Denim 0.16 EC	pt	26.81
Ricestar	pt	15.45	Di-Syston 15G	lb	3.35
Ricestar HT	pt	17.55	Di-Syston 8	pt	13.10
Rifel	pt	10.38	Diamond .83EC	pt	16.75
Roundup Original	pt	4.56	Dimethoate 4E	pt	4.69
Roundup Original Max	oz	0.27	Dimilin 2L	oz	1.64
Roundup Ultra MAX	pt	5.97	Dipel DF	lb	10.56
Roundup Ultra Dry	lb	6.14	Dipel ES	pt	4.04
Roundup WeatherMax	oz	0.35	Discipline 2 EC	oz	1.90
Scepter 70 DG	oz	2.97	Force 3G	lb	4.54
Select 2EC	oz	1.35	Furadan 4F	pt	9.13
Sencor 4F	pt	10.13	Gaucho 480	oz	7.30
Sencor DF	lb	14.81	Incidental Pest Trt	acre	12.00
Sequence	pt	6.38	Intrepid 2F	oz	1.93
Stalwart	pt	6.88	Intruder 70WSP	oz	8.00
Stam 4E	qt	5.12	Karate EC	oz	1.70
Stam 80 EDF	lb	4.81	Karate Z	oz	3.10
Stam M4	qt	5.98	Lannate LV	pt	7.10
Staple	oz	18.97	Lannate SP	oz	1.41
Staple LX	oz	6.83	Larvin 3.2	oz	0.48
Steadfast	oz	22.36	Leverage 2.7	oz	3.00
Storm	pt	9.50	Lorsban 15G	lb	1.58
Strongarm	oz	43.04	Lorsban 4E	pt	4.40
Superwham	qt	6.56	Malathion 5E	pt	3.18
Suprend	lb	10.17	Malathion 8E	pt	4.68
Surpass 20G	lb	2.36	Malathion ULV	pt	4.93
Surpass EC	qt	19.06	Methyl Parathion	pt	4.26
Synchrony XP	oz	6.08	Monitor 4	pt	13.16
Touchdown 4 IQ	pt	3.33	Mustang Max	oz	1.63
Touchdown HiTech	qt	8.06	Orthene 90S	lb	8.85
Touchdown Total	qt	8.68	Orthene 97	lb	11.81
Treflan 4L	pt	2.75	Penncap-M	pt	11.37
Treflan HFP	pt	2.35	Pounce 25WP	lb	10.48
Treflan TR-10	lb	0.79	Prolex	oz	3.48
Trifluralin 4EC	pt	2.23	Provado 1.6F	oz	3.42
Valor SX	oz	4.32	Sevin 80S	lb	5.90
Whip 360	pt	22.99	Sevin XLR Plus	qt	8.14
Zorial Rapid 80DF	lb	13.95	Spintor 2SC	oz	4.71
INOCULANT			Steward	pt	22.28
Innoculant (Liquid)	pt	10.34	Temik 15G Grit	lb	3.20
Nitragin S	oz	0.25	Temik 15G Gypsum	lb	3.33
So-Fast Sterile Peat	oz	0.80	Thimet 20-G Lock N L	lb	2.67
INSECT SCOUTING			Thionex 3 EC	pt	3.47
Insect Scouting	acre	7.00	Thionex 50W	lb	7.99
INSECTICIDES			Tracer	oz	6.38
Acephate 90%	lb	7.68	Trimax	oz	4.13
Acephate 90SP	lb	6.50	Vydate C-LV	oz	0.56
Admire 2	oz	4.78	Warrior ZT	oz	2.16
Ammo 2.5 EC	oz	0.65	Zephyr	oz	4.48
Asana .66 XL	oz	0.71	IRRIGATION SUPPLIES		
Aztec 2.1% G	lb	2.32	Roll-Out Pipe	ft	0.20
Baythroid 2	oz	2.88	SEED/PLANTS		
Bidrin 8L	oz	0.84	Corn Seed Bt	thous	1.96
Brigade EC	pt	28.25	Corn Seed BtRR	thous	2.01
Brigade WSB	lb	19.89	Corn Seed Conv.	thous	1.55
Capture 2EC	oz	2.59	Corn Seed RR	thous	1.87
Carbine	oz	4.10	Cotton Seed BtRR	thous	0.46
Centric 40WG	oz	5.04	Cotton Seed BtRRF	thous	0.50
Comite	pt	7.06	Cotton Seed Conv.	thous	0.39
Comite ll	pt	8.46	Cotton Seed Liberty	thous	0.62
Confirm 2F	oz	1.48	Cotton Seed RR	thous	0.36
Counter 15G	lb	2.21	Cotton Seed RRF	thous	0.39
Counter CR	lb	2.86	Peanut Seed	lb	0.57
Couraze 1.6F	pt	33.33			

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2008 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Rice Clearfield 161	lb	0.50	Survey & Mark Levees	acre	4.00
Rice Clearfield Hyb	lb	3.10	Survey & Mark Levees	acre	3.50
Rice Seed (Levees)	lb	0.26	TECHNOLOGY FEE		
Rice Seed CF(Levees)	lb	0.50	BG Cot Tech Fee	thous	0.28
Rice Seed CFH(Levee)	lb	3.10	BG Cot Tech Fee	cap/ac	19.50
Rice Seed Conv.	lb	0.26	BG II/RR Tech Fee	cap/ac	56.00
Sorghum Concept	lb	1.40	BG ll/RRF Tech Fee	thous	1.38
Sorghum Hybrid Sudax	lb	0.56	BG ll/RRF Tech Fee	cap/ac	64.00
Sorghum NonConcept	lb	1.18	BG/RR Cot Tech Fee	thous	1.09
Soybean Seed Private	lb	0.38	BG/RR Cot Tech Fee	cap/ac	49.00
Soybean Seed RR	lb	0.66	RR Cotton Tech Fee	thous	0.62
Soybean Seed Stack	lb	0.63	RR Cotton Tech Fee	cap/ac	29.00
Wheat Seed Private	lb	0.27	RRF Cotton Tech Fee	thous	0.88
SURVEY & MARK LEVEES			RRF Cotton Tech Fee	cap/ac	40.00

Appendix Table 5. Estimated fuel prices and interest rates, Mississippi, 2008

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	2.33
Electricity	kWh	0.14
Gasoline	gal	2.73
LP Gas	gal	1.88
INTEREST RATES		
Short-term	%	8.75
Intermediate-term	%	8.50

Appendix Table 6. Labor types, wage rates and unallocated labor multipliers for crop enterprises, Mississippi, 2008

Item name	
LABOR TYPES	WAGE RATE ($/HR)
OPERATOR LABOR	10.21
IRRIGATE LABOR	7.31
HAND LABOR	7.31
HAND. & STOR. LABOR	7.31
RICE MGT. LABOR	7.31
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, 2008

	Unit	Futures Contract Month	Futures Contract Price[a]	Basis[b]	Forward Contract Price[c]	Loan Rate[d]	Budget Price[e]
Corn	bu	Dec '08	4.06	-0.2529	3.81	2.09	3.81
Cotton Lint	lb	Dec '08	0.739	-0.0232	0.716	0.524	0.716
Cotton Seed	lb						0.045[f]
Grain Sorghum	bu				3.32	2.01	3.32
Peanuts	ton				475.00	355.00	475.00
Rice	bu	Sep '08	5.52	-0.3220	5.20	2.97	5.20
Soybeans	bu	Nov '08	9.59	-0.2510	9.34	5.14	9.34
Wheat	bu	Jul '08	6.60	-0.3616	6.24	2.62	6.24

[a] Average of the futures contract month closings in October.

[b] The basis is computed by subtracting the 2001-2007 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] Forward contract price for cotton, soybeans, corn, wheat, and rice is the futures contract price plus the basis.
Forward contract price for grain sorghum is the average contract bids reported in October in the Daily Grain Report, Mississippi Department of Ag-USDA Market News. The forward contract price for peanuts is estimated from a poll of industry peanut buyers.

[d] Average Mississippi loan rate for the 2007 crop year for soybeans, corn, grain sorghum, and wheat. 2007 Mississippi base loan rate for Delta area for cotton. 2007 Mississippi loan rate for long grain rice. 2007 national average loan rate for peanuts.

[e] Price used in the 2008 MAFES Planning Budgets.

[f] Cottonseed price is the marketing year average price averaged over the years 2002-2006, Agricultural Prices Summary, USDA.

Literature Cited

1. Agricultural Engineers Yearbook of Standards. American Society of Agricultural Engineers, St. Joseph, Michigan.

2. Boehlje, M.D. and V.R. Eidman. *Farm Management*. New York: John Wiley and Sons, 1984.

3. Bolton, Bill, J.B. Penn, Fred T. Cooke Jr., and Arthur M. Heagler. "Days Suitable for Fieldwork, Mississippi River Delta Cotton Area." D.A.E. Research Report No. 384, Louisiana State University, November 1968.".

4. Budgets for Major Farm Enterprises in the Mississippi River Delta of Arkansas, Louisiana, and Mississippi." D.A.E. Circular No. 281, Department of Agricultural Economics and Agribusiness, Agricultural Experiment Station, Louisiana State University, June 1961

5. Caillavet, DeWitt F. "An Economic Assessment of Production Alternatives Resulting From Changes in the Machinery Complement of Representative Farms in the Delta Area of Mississippi." Master of Science Thesis, Department of Agricultural Economics, Mississippi State University, May 1984.

6. Cooke, Fred T. Jr., J.M. Anderson, and Arthur M. Heagler. "Crop Budgets and Planning Data for Major Farm Enterprises in the Yazoo-Mississippi Delta." Mississippi Agricultural and Forestry Experiment Station Bulletin 794, July 1972.

7. Cooke, Fred T. Jr., J.M. Anderson, D.W. Parvin Jr., A.M. Heagler, Kenneth Paxton, Shelby Holders Jr., and James G. Hamill. "Crop Budgets and Planning Data for Major Farm Enterprises in the Mississippi-Louisiana Delta, 1975." Mississippi Agricultural and Forestry Experiment Station Bulletin 834, May 1975.

8. "Corn, Grain Sorghum & Wheat 2007 Planning Budgets." Budget Report No. 2006-03, Department of Agricultural Economics, Mississippi State University, December 2006.

9. "Costs of Producing Selected Crops in the U.S., 1974." Senate Committee Project No. 63-092, Committee on Agriculture and Forestry, U.S. Senate, January 8, 1976.

10. "Cotton 2007 Planning Budgets." Budget Report No. 2006-01, Department of Agricultural Economics, Mississippi State University, December 2006.

11. Cox, Laura Rebecca. "Overhead Labor Cost in the Delta Area of Mississippi." Master of Science Thesis, Department of Agricultural Economics, Mississippi State University, October 1982.

12. "Forage 2007 Planning Budgets." Budget Report No. 2006-10, Department of Agricultural Economics, Mississippi State University, June 2007.

13. Laughlin, David H. and Robert K. Mehrle. "An Economic Evaluation: Straight Versus Contour Levee Rice Production Practices in Mississippi." Mississippi Agricultural and Forestry Experiment Station Bulletin 1063. December 1996.

14. Laughlin, David H. and Stan Spurlock. "User's Guide for the Mississippi State Budget Generator Version 6.0 for Windows." AEC Staff Report No. 2003-01, Department of Agricultural Economics, Mississippi State University, March 2003.

15. "Mississippi Agricultural Statistics." Mississippi Department of Agriculture and Commerce and Department of Agriculture, Mississippi Agriculture Statistical Service, Jackson, Mississippi.

16. "Rice 2007 Planning Budgets." Budget Report No. 2006-04, Department of Agricultural Economics, Mississippi State University, December 2006.

17. "Soybeans 2007 Planning Budgets." Budget Report No. 2006-02, Department of Agricultural Economics, Mississippi State University, December 2006.

18. "Vegetables 2007 Planning Budgets." Budget Report No. 2006-08, Department of Agricultural Economics, Mississippi State University, December 2006.

19. "Peanuts 2007 Planning Budgets." Budget Report No. 2006-09, Department of Agricultural Economics, Mississippi State University, December 2006.

Robert H. Foglesong, President

Division of Agriculture, Forestry, and Veterinary Medicine
Vance H. Watson, Vice President

Mississippi Agricultural and Forestry Experiment Station
Vance H. Watson, Director

University Extension and Outreach
Vance H. Watson, Interim Director

College of Agriculture and Life Sciences
Vance H. Watson, Dean

Department of Agricultural Economics
Steven C. Turner, Head

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