

**CORN, GRAIN
SORGHUM & WHEAT
2010
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2009-04**

December 2009

Foreword

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

Acknowledgments

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

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

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

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2009 Planning Budgets

Budgets for Agricultural Enterprises

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

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

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

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

Methods and Procedures

Production Practices

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

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

Machinery

Machinery manufacturers form the basis for machinery prices used in these publications. Prices by size of equipment are determined from the most common sales in each category as reported by machinery dealers. Prices used in the budgets reflect prices paid by farmers in 2009. (Appendix Tables 1, 2, and 3).

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

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

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

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

Estimates of Direct Costs

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

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

$$RPA = RPH \times PR$$

where:

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

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

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

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

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

Estimates of Fixed Costs

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

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

where:

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

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

where:

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

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

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

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

where:

CRCPH = Capital recovery charge per hour

HAU = Hours of annual use

CRCPA = Capital recovery charge per acre

PR = Performance rate

Estimates of Returns

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

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

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

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

Irrigation Costs

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

Net Returns

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

Enterprise Budgets

Table 1.A Estimated costs per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.8000	29.50	_____
Potash (60% K2O)	cwt	26.10	1.3750	35.89	_____
Fert 10-34-0	cwt	19.38	0.5000	9.69	_____
UAN + Sulfur (28%)	cwt	10.13	3.5710	36.17	_____
UAN (32% N)	cwt	10.56	4.3750	46.20	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
Clarity	pt	12.13	0.5000	6.07	_____
Lexar	pt	5.81	3.3000	19.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.95	30.0000	88.50	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	185.0000	37.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.4883	5.49	_____
Harvesters	hour	11.23	0.1009	1.13	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3250	2.96	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.1752	1.59	_____
UNALLOCATED LABOR					
	hour	11.22	0.4597	5.16	_____
DIESEL FUEL					
Tractors	gal	2.22	4.6505	10.32	_____
Harvesters	gal	2.22	1.6890	3.75	_____
Roll-Out Pipe Irr.	gal	2.22	10.5901	23.52	_____
REPAIR & MAINTENANCE					
Implements	acre	6.43	1.0000	6.43	_____
Tractors	acre	1.89	1.0000	1.89	_____
Harvesters	acre	2.58	1.0000	2.58	_____
Roll-Out Pipe Irr.	acre	4.39	1.0000	4.39	_____
INTEREST ON OP. CAP.	acre	10.89	1.0000	10.89	_____
TOTAL DIRECT EXPENSES				452.76	_____
FIXED EXPENSES					
Implements	acre	10.02	1.0000	10.02	_____
Tractors	acre	13.12	1.0000	13.12	_____
Harvesters	acre	11.09	1.0000	11.09	_____
Roll-Out Pipe Irr.	acre	23.61	1.0000	23.61	_____
TOTAL FIXED EXPENSES				57.84	_____
TOTAL SPECIFIED EXPENSES				510.60	_____

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 1.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	185.0000	712.25	_____

TOTAL INCOME				712.25	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	157.45	1.0000	157.45	_____
HERBICIDES	acre	39.20	1.0000	39.20	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	88.50	1.0000	88.50	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	37.00	1.0000	37.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1752	1.59	_____
IRRIGATE LABOR	hour	9.06	0.3875	3.53	_____
OPERATOR LABOR	hour	11.23	0.5893	6.62	_____
UNALLOCATED LABOR	hour	11.22	0.4597	5.16	_____
DIESEL FUEL	gal	2.22	16.9298	37.59	_____
REPAIR & MAINTENANCE	acre	15.29	1.0000	15.29	_____
INTEREST ON OP. CAP.	acre	10.89	1.0000	10.89	_____

TOTAL DIRECT EXPENSES				452.76	_____
RETURNS ABOVE DIRECT EXPENSES				259.49	_____
TOTAL FIXED EXPENSES				57.84	_____

TOTAL SPECIFIED EXPENSES				510.60	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				201.65	_____

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 1.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.8000				
Potash (60% K20)	cwt					1.3750				
Disk Bed w/roller	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	Mar		0.08	0.08	0.16	0.07
Corn Seed BtRR	thous					30.0000				
Fert 10-34-0	cwt					0.5000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					3.5710				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Lexar	pt					3.3000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					4.3750				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	325 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 190	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					185.0000				
Stalk Shredder	20'	MFWD 190	0.082	1.00	Sep		0.08	0.08	0.08	0.07
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.46	
TOTALS							0.58	0.58	1.15	0.45

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 1.D Estimated costs for field operations, per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.91	0.45	1.28			0.12	2.76	1.80	4.56
DAP	cwt	29.50						1.33	30.83		30.83
Potash (60% K20)	cwt	35.89						1.62	37.51		37.51
Disk Bed w/roller	8R-38		1.61	0.66	1.58			0.17	4.02	3.10	7.12
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19		7.19
Clarity	pt	6.07						0.18	6.25		6.25
Plant & Pre-Rigid	8R-38		1.74	1.27	2.44			0.14	5.59	4.26	9.85
Corn Seed BtRR	thous	88.50						2.32	90.82		90.82
Fert 10-34-0	cwt	9.69						0.25	9.94		9.94
Custom Apply Fert	acre	7.00						0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	36.17						0.81	36.98		36.98
Spray (Broadcast)	60'		0.61	0.25	0.74			0.04	1.64	0.97	2.61
Glyphosate 3lbs a.e.	pt	6.98						0.16	7.14		7.14
Lexar	pt	19.17						0.43	19.60		19.60
Fert Appl (Liquid)	8R-38		1.69	1.25	2.00			0.09	5.03	3.32	8.35
UAN (32% N)	cwt	46.20						0.87	47.07		47.07
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Intrepid 2F	oz	7.84						0.12	7.96		7.96
Header - Corn	8R-38		3.75	3.79	2.15			0.04	9.73	13.10	22.83
Grain Cart Corn	700 bu		0.54	0.30	0.53			0.01	1.38	1.07	2.45
Haul Corn	bu	37.00						0.14	37.14		37.14
Stalk Shredder	20'		1.79	2.51	1.76			0.02	6.08	3.74	9.82
Roll-Out Pipe Irr.	acre	6.60	24.95	4.81	4.42			0.62	41.40	26.48	67.88
TOTALS		372.09	37.59	15.29	16.90	0.00	10.89	452.76	57.84	510.60	

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 1.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	712.25
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	65.39	0.00	0.00	0.00	0.00	9.69	36.17	46.20	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	26.15	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	88.50	0.00	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.29	0.00	0.00	0.00	0.00	2.44	0.74	2.23	2.98	0.23	0.55	4.44
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	3.34	0.00	0.00	0.00	0.00	1.74	0.61	1.69	17.97	5.88	0.28	6.08
REPAIR & MAINTENANCE	1.34	0.00	0.00	0.00	0.00	1.27	0.25	1.25	3.90	0.59	0.09	6.60
INTEREST ON OP. CAP.	4.10	0.00	0.00	0.00	0.57	2.71	1.60	0.96	0.66	0.07	0.01	0.21
TOTAL DIRECT EXPENSES	94.96	0.00	0.00	0.00	19.62	106.35	72.52	52.33	44.95	6.77	0.93	54.33
NET INCOME	-94.96	0.00	0.00	0.00	-19.62	-106.35	-72.52	-52.33	-44.95	-6.77	-0.93	657.92
NET INCOME TO DATE	-94.96	-94.96	-94.96	-94.96	-114.58	-220.93	-293.45	-345.78	-390.73	-397.50	-398.43	259.49

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

* Lease costs are based on hourly usage costs.

Table 1.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, BtRR, 8-row 38", 185 bu yield goal
 Furrow Irrigated, 13 ac-in., Delta Area, Mississippi, 2010

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Corn			2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81
PERCENT YIELD UNIT			-----dollars-----										
50	92.50	bu	-167 -224	-149 -207	-131 -189	-113 -171	-95 -153	-78 -135	-60 -118	-42 -100	-24 -82	-6 -64	10 -46
60	111.00	bu	-117 -175	-96 -153	-74 -132	-53 -111	-31 -89	-10 -68	10 -47	32 -25	53 -4	74 17	96 38
70	129.50	bu	-67 -125	-42 -100	-17 -75	7 -50	32 -25	56 -0	81 24	106 48	131 73	156 98	181 123
80	148.00	bu	-17 -75	10 -47	38 -18	67 9	95 38	124 66	152 95	181 123	209 152	238 180	266 209
90	166.50	bu	31 -26	63 5	95 37	127 70	159 102	191 134	224 166	256 198	288 230	320 262	352 294
100	185.00	bu	81 23	117 59	152 94	188 130	223 166	259 201	295 237	330 272	366 308	401 344	437 379
110	203.50	bu	131 73	170 112	209 151	248 190	287 229	327 269	366 308	405 347	444 386	483 425	522 465
120	222.00	bu	180 122	223 165	266 208	309 251	351 293	394 336	437 379	479 422	522 464	565 507	608 550
130	240.50	bu	230 172	276 218	323 265	369 311	415 357	462 404	508 450	554 496	600 543	647 589	693 635
140	259.00	bu	280 222	330 272	379 322	429 371	479 421	529 471	579 521	629 571	679 621	728 671	778 720
150	277.50	bu	329 272	383 325	436 378	490 432	543 485	597 539	650 592	703 646	757 699	810 752	864 806

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

Table 2.A Estimated costs per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.0870	17.82	_____
Potash (60% K2O)	cwt	26.10	0.8300	21.66	_____
Fert 10-34-0	cwt	19.38	0.5000	9.69	_____
UAN + Sulfur (28%)	cwt	10.13	2.1430	21.71	_____
UAN (32% N)	cwt	10.56	3.2815	34.65	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
Clarity	pt	12.13	0.5000	6.07	_____
Lexar	pt	5.81	3.3000	19.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.95	26.0000	76.70	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.4098	4.60	_____
Harvesters	hour	11.23	0.1009	1.13	_____
HAND LABOR					
Implements	hour	9.06	0.1752	1.59	_____
UNALLOCATED LABOR	hour	11.22	0.4597	5.16	_____
DIESEL FUEL					
Tractors	gal	2.22	4.0079	8.89	_____
Harvesters	gal	2.22	1.3770	3.06	_____
REPAIR & MAINTENANCE					
Implements	acre	6.26	1.0000	6.26	_____
Tractors	acre	1.64	1.0000	1.64	_____
Harvesters	acre	2.29	1.0000	2.29	_____
INTEREST ON OP. CAP.	acre	8.19	1.0000	8.19	_____
TOTAL DIRECT EXPENSES				334.58	_____
FIXED EXPENSES					
Implements	acre	8.91	1.0000	8.91	_____
Tractors	acre	11.36	1.0000	11.36	_____
Harvesters	acre	9.88	1.0000	9.88	_____
TOTAL FIXED EXPENSES				30.15	_____
TOTAL SPECIFIED EXPENSES				364.73	_____

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 2.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____

TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	105.53	1.0000	105.53	_____
HERBICIDES	acre	39.20	1.0000	39.20	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	76.70	1.0000	76.70	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1752	1.59	_____
OPERATOR LABOR	hour	11.23	0.5107	5.73	_____
UNALLOCATED LABOR	hour	11.22	0.4597	5.16	_____
DIESEL FUEL	gal	2.22	5.3850	11.95	_____
REPAIR & MAINTENANCE	acre	10.19	1.0000	10.19	_____
INTEREST ON OP. CAP.	acre	8.19	1.0000	8.19	_____

TOTAL DIRECT EXPENSES				334.58	_____
RETURNS ABOVE DIRECT EXPENSES				185.17	_____
TOTAL FIXED EXPENSES				30.15	_____

TOTAL SPECIFIED EXPENSES				364.73	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				155.02	_____

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 2.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
Disk Bed w/roller	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	Mar		0.08	0.08	0.16	0.07
Corn Seed BtRR	thous					26.0000				
Fert 10-34-0	cwt					0.5000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					2.1430				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e.	pt					2.0000				
Lexar	pt					3.3000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					3.2815				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 190	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	MFWD 190	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.51	0.51	0.68	0.45

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 2.D Estimated costs for field operations, per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.91	0.45	1.28			0.12	2.76	1.80	4.56
DAP	cwt	17.82						0.80	18.62		18.62
Potash (60% K2O)	cwt	21.66						0.97	22.63		22.63
Disk Bed w/roller	8R-38		1.61	0.66	1.58			0.17	4.02	3.10	7.12
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19		7.19
Clarity	pt	6.07						0.18	6.25		6.25
Plant & Pre-Rigid	8R-38		1.74	1.27	2.44			0.14	5.59	4.26	9.85
Corn Seed BtRR	thous	76.70						2.01	78.71		78.71
Fert 10-34-0	cwt	9.69						0.25	9.94		9.94
Custom Apply Fert	acre	7.00						0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	21.71						0.49	22.20		22.20
Spray (Broadcast)	60'		0.61	0.25	0.74			0.04	1.64	0.97	2.61
Glyphosate 3lbs a.e.	pt	6.98						0.16	7.14		7.14
Lexar	pt	19.17						0.43	19.60		19.60
Fert Appl (Liquid)	8R-38		1.69	1.25	2.00			0.09	5.03	3.32	8.35
UAN (32% N)	cwt	34.65						0.65	35.30		35.30
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Intrepid 2F	oz	7.84						0.12	7.96		7.96
Header - Corn	8R-38		3.06	3.50	2.15			0.03	8.74	11.89	20.63
Grain Cart Corn	700 bu		0.54	0.30	0.53			0.01	1.38	1.07	2.45
Haul Corn	bu	27.00						0.10	27.10		27.10
Stalk Shredder	20'		1.79	2.51	1.76			0.02	6.08	3.74	9.82
TOTALS		291.77	11.95	10.19	12.48	0.00	8.19	334.58	30.15	364.73	

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 2.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	519.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	39.48	0.00	0.00	0.00	0.00	9.69	21.71	34.65	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	26.15	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	76.70	0.00	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.86	0.00	0.00	0.00	0.00	2.44	0.74	2.00	0.00	0.00	0.00	4.44
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.52	0.00	0.00	0.00	0.00	1.74	0.61	1.69	0.00	0.00	0.00	5.39
REPAIR & MAINTENANCE	1.11	0.00	0.00	0.00	0.00	1.27	0.25	1.25	0.00	0.00	0.00	6.31
INTEREST ON OP. CAP.	2.85	0.00	0.00	0.00	0.57	2.40	1.28	0.74	0.19	0.00	0.00	0.16
TOTAL DIRECT EXPENSES	66.32	0.00	0.00	0.00	19.62	94.24	57.74	40.33	13.03	0.00	0.00	43.30
NET INCOME	-66.32	0.00	0.00	0.00	-19.62	-94.24	-57.74	-40.33	-13.03	0.00	0.00	476.45
NET INCOME TO DATE	-66.32	-66.32	-66.32	-66.32	-85.94	-180.18	-237.92	-278.25	-291.28	-291.28	-291.28	185.17

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

* Lease costs are based on hourly usage costs.

Table 2.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Corn	2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81		
PERCENT	YIELD	UNIT	dollars										
50	67.50	bu	-126	-113	-100	-87	-74	-61	-48	-35	-22	-9	3
			-156	-143	-130	-117	-104	-91	-78	-65	-52	-39	-26
60	81.00	bu	-89	-74	-58	-43	-27	-11	3	19	34	50	66
			-120	-104	-88	-73	-57	-42	-26	-10	4	20	35
70	94.50	bu	-53	-35	-17	0	19	37	55	73	91	110	128
			-83	-65	-47	-29	-10	7	25	43	61	79	98
80	108.00	bu	-17	3	24	45	65	86	107	128	149	169	190
			-47	-26	-5	14	35	56	77	98	118	139	160
90	121.50	bu	18	42	65	89	112	135	159	182	206	229	252
			-11	12	35	58	82	105	129	152	175	199	222
100	135.00	bu	55	81	107	133	159	185	211	237	263	289	315
			25	51	77	103	129	155	181	206	232	258	284
110	148.50	bu	91	120	148	177	205	234	263	291	320	348	377
			61	89	118	147	175	204	232	261	290	318	347
120	162.00	bu	127	158	190	221	252	283	314	346	377	408	439
			97	128	159	191	222	253	284	315	347	378	409
130	175.50	bu	164	197	231	265	299	332	366	400	434	468	501
			133	167	201	235	269	302	336	370	404	437	471
140	189.00	bu	200	236	273	309	345	382	418	454	491	527	564
			170	206	242	279	315	352	388	424	461	497	533
150	202.50	bu	236	275	314	353	392	431	470	509	548	587	626
			206	245	284	323	362	401	440	479	518	557	596

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

Table 3.A Estimated costs per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.8000	29.50	_____
Potash (60% K2O)	cwt	26.10	1.3750	35.89	_____
UAN + Sulfur (28%)	cwt	10.13	3.5710	36.17	_____
UAN (32% N)	cwt	10.56	4.3750	46.20	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	2.0000	6.98	_____
Clarity	pt	12.13	0.5000	6.07	_____
Atrazine 4L	pt	2.52	4.0000	10.08	_____
Dual II Magnum	pt	13.22	1.3300	17.58	_____
Accent SP	oz	29.01	0.1675	4.86	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Corn Seed RR	thous	2.72	30.0000	81.60	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	185.0000	37.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.7718	8.68	_____
Harvesters	hour	11.23	0.1009	1.13	_____
Self-Propelled	hour	11.23	0.0044	0.05	_____
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3250	2.96	_____
Implements	hour	9.06	0.0625	0.57	_____
HAND LABOR					
Implements	hour	9.06	0.1554	1.41	_____
Self-Propelled	hour	9.06	0.0022	0.02	_____
UNALLOCATED LABOR					
	hour	11.19	0.7187	8.05	_____
DIESEL FUEL					
Tractors	gal	2.22	7.4227	16.49	_____
Harvesters	gal	2.22	1.3770	3.06	_____
Self-Propelled	gal	2.22	0.0396	0.09	_____
Roll-Out Pipe Irr.	gal	2.22	10.5901	23.52	_____
REPAIR & MAINTENANCE					
Implements	acre	7.50	1.0000	7.50	_____
Tractors	acre	3.04	1.0000	3.04	_____
Harvesters	acre	2.29	1.0000	2.29	_____
Self-Propelled	acre	0.03	1.0000	0.03	_____
Roll-Out Pipe Irr.	acre	4.39	1.0000	4.39	_____
INTEREST ON OP. CAP.					
	acre	11.11	1.0000	11.11	_____
TOTAL DIRECT EXPENSES				456.26	_____
FIXED EXPENSES					
Implements	acre	13.36	1.0000	13.36	_____
Tractors	acre	20.98	1.0000	20.98	_____
Harvesters	acre	9.88	1.0000	9.88	_____
Self-Propelled	acre	0.25	1.0000	0.25	_____
Roll-Out Pipe Irr.	acre	23.61	1.0000	23.61	_____
TOTAL FIXED EXPENSES				68.08	_____
TOTAL SPECIFIED EXPENSES				524.34	_____

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

Table 3.B Summary of estimated costs and returns per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	185.0000	712.25	_____

TOTAL INCOME				712.25	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	147.76	1.0000	147.76	_____
HERBICIDES	acre	45.57	1.0000	45.57	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	81.60	1.0000	81.60	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	37.00	1.0000	37.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1576	1.43	_____
IRRIGATE LABOR	hour	9.06	0.3875	3.53	_____
OPERATOR LABOR	hour	11.23	0.8771	9.86	_____
UNALLOCATED LABOR	hour	11.19	0.7187	8.05	_____
DIESEL FUEL	gal	2.22	19.4296	43.16	_____
REPAIR & MAINTENANCE	acre	17.25	1.0000	17.25	_____
INTEREST ON OP. CAP.	acre	11.11	1.0000	11.11	_____

TOTAL DIRECT EXPENSES				456.26	_____
RETURNS ABOVE DIRECT EXPENSES				255.99	_____
TOTAL FIXED EXPENSES				68.08	_____

TOTAL SPECIFIED EXPENSES				524.34	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				187.91	_____

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

Fertilization decisions should be based on soil tests.

Table 3.C Estimated resource use for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	POWER IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Subsoiler	3 shank	MFWD 190	0.204	0.50	Oct		0.10	0.10	0.10	0.09
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct		0.08	0.08	0.08	0.07
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.8000				
Potash (60% K2O)	cwt					1.3750				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	Mar		0.05	0.05	0.05	0.05
Plant - Rigid	8R-38	MFWD 190	0.074	1.00	Mar		0.07	0.07	0.14	0.06
Corn Seed RR	thous					30.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					3.5710				
Atrazine 4L	pt					4.0000				
Dual II Magnum	pt					1.3300				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					4.3750				
Sprayer 600-750gal	60' 175hp		0.017	0.25	May			0.00	0.00	0.00
Accent SP	oz					0.1675				
Cultivate	8R-38	MFWD 190	0.073	1.00	May		0.07	0.07	0.07	0.06
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 190	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					185.0000				
Stalk Shredder	20'	MFWD 190	0.082	1.00	Sep		0.08	0.08	0.08	0.07
Roll-Out Pipe Irr.	acre				Jul	1.0000	0.07	0.07	0.46	
TOTALS							0.87	0.87	1.42	0.71

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

Table 3.D Estimated costs for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Subsoiler	3 shank		2.22	0.52	2.18			0.22	5.14	3.15	8.29
Disk Harrow	24'		1.78	1.09	1.75			0.21	4.83	4.06	8.89
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.91	0.45	1.28			0.12	2.76	1.80	4.56
DAP	cwt	29.50						1.33	30.83		30.83
Potash (60% K2O)	cwt	35.89						1.62	37.51		37.51
Disk Bed (Hipper)Rdg	8R-38		1.61	0.59	1.58			0.17	3.95	2.88	6.83
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19		7.19
Clarity	pt	6.07						0.18	6.25		6.25
Row Cond Rigid	26'		1.30	0.41	1.27			0.08	3.06	2.47	5.53
Plant - Rigid	8R-38		1.62	1.05	2.27			0.13	5.07	3.65	8.72
Corn Seed RR	thous	81.60						2.14	83.74		83.74
Custom Apply Fert	acre	7.00						0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	36.17						0.81	36.98		36.98
Atrazine 4L	pt	10.08						0.23	10.31		10.31
Dual II Magnum	pt	17.58						0.40	17.98		17.98
Fert Appl (Liquid)	8R-38		1.69	1.25	2.00			0.09	5.03	3.32	8.35
UAN (32% N)	cwt	46.20						0.87	47.07		47.07
Sprayer 600-750gal	60' 175hp		0.09	0.03	0.11				0.23	0.25	0.48
Accent SP	oz	4.86						0.09	4.95		4.95
Cultivate	8R-38		1.60	0.74	1.57			0.07	3.98	3.32	7.30
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Intrepid 2F	oz	7.84						0.12	7.96		7.96
Header - Corn	8R-38		3.06	3.50	2.15			0.03	8.74	11.89	20.63
Grain Cart Corn	700 bu		0.54	0.30	0.53			0.01	1.38	1.07	2.45
Haul Corn	bu	37.00						0.14	37.14		37.14
Stalk Shredder	20'		1.79	2.51	1.76			0.02	6.08	3.74	9.82
Roll-Out Pipe Irr.	acre	6.60	24.95	4.81	4.42			0.62	41.40	26.48	67.88
TOTALS		361.87	43.16	17.25	22.87	0.00	11.11	456.26	68.08	524.34	

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

Table 3.E Estimated monthly income and expense flows per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	712.25
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	65.39	0.00	0.00	0.00	0.00	0.00	36.17	46.20	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	27.66	4.86	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	0.00	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	81.60	0.00	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	7.22	0.00	0.00	0.00	0.00	3.54	0.00	3.91	2.98	0.23	0.55	4.44
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	7.34	0.00	0.00	0.00	0.00	2.92	0.00	3.38	17.97	5.88	0.28	5.39
REPAIR & MAINTENANCE	2.88	0.00	0.00	0.00	0.00	1.46	0.00	2.02	3.90	0.59	0.09	6.31
INTEREST ON OP. CAP.	4.53	0.00	0.00	0.00	0.57	2.35	1.60	1.12	0.66	0.07	0.01	0.20
TOTAL DIRECT EXPENSES	104.86	0.00	0.00	0.00	19.62	91.87	72.43	61.49	44.95	6.77	0.93	53.34
NET INCOME	-104.86	0.00	0.00	0.00	-19.62	-91.87	-72.43	-61.49	-44.95	-6.77	-0.93	658.91
NET INCOME TO DATE	-104.86	-104.86	-104.86	-104.86	-124.48	-216.35	-288.78	-350.27	-395.22	-401.99	-402.92	255.99

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2010

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
	-----PRODUCT PRICE-----												
Corn	2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81		
PERCENT	YIELD	UNIT	-----dollars-----										
50	92.50	bu	-170 -238	-152 -220	-134 -203	-117 -185	-99 -167	-81 -149	-63 -131	-45 -114	-28 -96	-10 -78	7 -60
60	111.00	bu	-120 -188	-99 -167	-78 -146	-56 -124	-35 -103	-14 -82	7 -60	28 -39	50 -18	71 3	92 24
70	129.50	bu	-71 -139	-46 -114	-21 -89	3 -64	28 -39	53 -14	78 10	103 35	128 60	153 85	178 110
80	148.00	bu	-21 -89	7 -61	35 -32	63 -4	92 24	120 52	149 81	177 109	206 138	234 166	263 195
90	166.50	bu	28 -39	60 -7	92 24	124 56	156 88	188 120	220 152	252 184	284 216	316 248	348 280
100	185.00	bu	77 9	113 45	149 81	184 116	220 152	255 187	291 223	327 259	362 294	398 330	434 365
110	203.50	bu	127 59	166 98	205 137	245 177	284 216	323 255	362 294	401 333	441 372	480 412	519 451
120	222.00	bu	177 109	220 151	262 194	305 237	348 280	391 322	433 365	476 408	519 451	561 493	604 536
130	240.50	bu	227 158	273 205	319 251	365 297	412 344	458 390	504 436	551 483	597 529	643 575	690 621
140	259.00	bu	276 208	326 258	376 308	426 358	476 408	526 457	575 507	625 557	675 607	725 657	775 707
150	277.50	bu	326 258	379 311	433 365	486 418	540 472	593 525	646 578	700 632	753 685	807 739	860 792

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

Table 4.A Estimated costs per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.39	1.0870	17.82	_____
Potash (60% K2O)	cwt	26.10	0.8300	21.66	_____
UAN + Sulfur (28%)	cwt	10.13	2.1430	21.71	_____
UAN (32% N)	cwt	10.56	3.2815	34.65	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	2.0000	6.98	_____
Clarity	pt	12.13	0.5000	6.07	_____
Atrazine 4L	pt	2.52	4.0000	10.08	_____
Dual II Magnum	pt	13.22	1.3300	17.58	_____
Accent SP	oz	29.01	0.1675	4.86	_____
INSECTICIDES					
Intrepid 2F	oz	1.96	4.0000	7.84	_____
SEED/PLANTS					
Corn Seed RR	thous	2.72	26.0000	70.72	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	0.5000	17.50	_____
OPERATOR LABOR					
Tractors	hour	11.23	0.6196	6.96	_____
Harvesters	hour	11.23	0.1009	1.13	_____
Self-Propelled	hour	11.23	0.0044	0.05	_____
HAND LABOR					
Implements	hour	9.06	0.1554	1.41	_____
Self-Propelled	hour	9.06	0.0022	0.02	_____
UNALLOCATED LABOR	hour	11.20	0.6524	7.31	_____
DIESEL FUEL					
Tractors	gal	2.22	6.0597	13.46	_____
Harvesters	gal	2.22	1.3770	3.06	_____
Self-Propelled	gal	2.22	0.0396	0.09	_____
REPAIR & MAINTENANCE					
Implements	acre	6.89	1.0000	6.89	_____
Tractors	acre	2.49	1.0000	2.49	_____
Harvesters	acre	2.29	1.0000	2.29	_____
Self-Propelled	acre	0.03	1.0000	0.03	_____
INTEREST ON OP. CAP.	acre	8.38	1.0000	8.38	_____
TOTAL DIRECT EXPENSES				336.04	_____
FIXED EXPENSES					
Implements	acre	10.97	1.0000	10.97	_____
Tractors	acre	17.18	1.0000	17.18	_____
Harvesters	acre	9.88	1.0000	9.88	_____
Self-Propelled	acre	0.25	1.0000	0.25	_____
TOTAL FIXED EXPENSES				38.28	_____
TOTAL SPECIFIED EXPENSES				374.32	_____

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

Fertilization decisions should be based on soil tests.

Table 4.B Summary of estimated costs and returns per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____

TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	95.84	1.0000	95.84	_____
HERBICIDES	acre	45.57	1.0000	45.57	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	70.72	1.0000	70.72	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1576	1.43	_____
OPERATOR LABOR	hour	11.23	0.7249	8.14	_____
UNALLOCATED LABOR	hour	11.20	0.6524	7.31	_____
DIESEL FUEL	gal	2.22	7.4764	16.61	_____
REPAIR & MAINTENANCE	acre	11.70	1.0000	11.70	_____
INTEREST ON OP. CAP.	acre	8.38	1.0000	8.38	_____

TOTAL DIRECT EXPENSES				336.04	_____
RETURNS ABOVE DIRECT EXPENSES				183.71	_____
TOTAL FIXED EXPENSES				38.28	_____

TOTAL SPECIFIED EXPENSES				374.32	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				145.43	_____

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

Fertilization decisions should be based on soil tests.

Table 4.C Estimated resource use for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Subsoiler	3 shank	MFWD 190	0.204	0.50	Oct		0.10	0.10	0.10	0.09
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct		0.08	0.08	0.08	0.07
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct		0.07	0.07	0.07	0.06
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	Mar		0.05	0.05	0.05	0.05
Plant - Rigid	8R-38	MFWD 190	0.074	1.00	Mar		0.07	0.07	0.14	0.06
Corn Seed RR	thous					26.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					2.1430				
Atrazine 4L	pt					4.0000				
Dual II Magnum	pt					1.3300				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					3.2815				
Sprayer 600-750gal	60' 175hp		0.017	0.25	May			0.00	0.00	0.00
Accent SP	oz					0.1675				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-38	265 hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Grain Cart Corn	700 bu	MFWD 190	0.025	1.00	Sep		0.02	0.02	0.02	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	MFWD 190	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.72	0.72	0.88	0.65

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

Table 4.D Estimated costs for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Subsoiler	3 shank		2.22	0.52	2.18			0.22	5.14	3.15	8.29
Disk Harrow	24'		1.78	1.09	1.75			0.21	4.83	4.06	8.89
Lime (Spread)	ton	17.50						0.79	18.29		18.29
Spin Spreader	5 ton		0.91	0.45	1.28			0.12	2.76	1.80	4.56
DAP	cwt	17.82						0.80	18.62		18.62
Potash (60% K2O)	cwt	21.66						0.97	22.63		22.63
Disk Bed (Hipper)Rdg	8R-38		1.61	0.59	1.58			0.17	3.95	2.88	6.83
App by Air (5 gal)	appl	6.00						0.18	6.18		6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19		7.19
Clarity	pt	6.07						0.18	6.25		6.25
Row Cond Rigid	26'		1.30	0.41	1.27			0.08	3.06	2.47	5.53
Plant - Rigid	8R-38		1.62	1.05	2.27			0.13	5.07	3.65	8.72
Corn Seed RR	thous	70.72						1.86	72.58		72.58
Custom Apply Fert	acre	7.00						0.16	7.16		7.16
UAN + Sulfur (28%)	cwt	21.71						0.49	22.20		22.20
Atrazine 4L	pt	10.08						0.23	10.31		10.31
Dual II Magnum	pt	17.58						0.40	17.98		17.98
Fert Appl (Liquid)	8R-38		1.69	1.25	2.00			0.09	5.03	3.32	8.35
UAN (32% N)	cwt	34.65						0.65	35.30		35.30
Sprayer 600-750gal	60' 175hp		0.09	0.03	0.11				0.23	0.25	0.48
Accent SP	oz	4.86						0.09	4.95		4.95
App by Air (3 gal)	appl	5.00						0.07	5.07		5.07
Intrepid 2F	oz	7.84						0.12	7.96		7.96
Header - Corn	8R-38		3.06	3.50	2.15			0.03	8.74	11.89	20.63
Grain Cart Corn	700 bu		0.54	0.30	0.53			0.01	1.38	1.07	2.45
Haul Corn	bu	27.00						0.10	27.10		27.10
Stalk Shredder	20'		1.79	2.51	1.76			0.02	6.08	3.74	9.82
TOTALS		282.47	16.61	11.70	16.88	0.00	8.38	336.04	38.28	374.32	

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

Table 4.E Estimated monthly income and expense flows per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	519.75
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	39.48	0.00	0.00	0.00	0.00	0.00	21.71	34.65	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	13.05	0.00	27.66	4.86	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	70.72	0.00	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00
CUSTOM LIME	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	6.79	0.00	0.00	0.00	0.00	3.54	0.00	2.11	0.00	0.00	0.00	4.44
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	6.52	0.00	0.00	0.00	0.00	2.92	0.00	1.78	0.00	0.00	0.00	5.39
REPAIR & MAINTENANCE	2.65	0.00	0.00	0.00	0.00	1.46	0.00	1.28	0.00	0.00	0.00	6.31
INTEREST ON OP. CAP.	3.28	0.00	0.00	0.00	0.57	2.07	1.28	0.83	0.19	0.00	0.00	0.16
TOTAL DIRECT EXPENSES	76.22	0.00	0.00	0.00	19.62	80.71	57.65	45.51	13.03	0.00	0.00	43.30
NET INCOME	-76.22	0.00	0.00	0.00	-19.62	-80.71	-57.65	-45.51	-13.03	0.00	0.00	476.45
NET INCOME TO DATE	-76.22	-76.22	-76.22	-76.22	-95.84	-176.55	-234.20	-279.71	-292.74	-292.74	-292.74	183.71

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 4.F Estimated returns for various price/yield combinations, per acre
 Corn, conventional tillage, RR seed, 8-row 38"
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2010

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Corn	2.88	3.08	3.27	3.46	3.65	3.85	4.04	4.23	4.42	4.62	4.81		
PERCENT	YIELD	UNIT	dollars										
50	67.50	bu	-127	-114	-101	-88	-75	-62	-49	-36	-23	-10	2
			-165	-152	-139	-126	-113	-100	-87	-74	-61	-48	-35
60	81.00	bu	-91	-75	-60	-44	-28	-13	2	17	33	49	64
			-129	-114	-98	-82	-67	-51	-36	-20	-4	10	26
70	94.50	bu	-55	-36	-18	-0	17	35	54	72	90	108	126
			-93	-75	-56	-38	-20	-2	15	34	52	70	88
80	108.00	bu	-18	2	22	43	64	85	105	126	147	168	189
			-57	-36	-15	5	26	46	67	88	109	130	150
90	121.50	bu	17	40	64	87	111	134	157	181	204	228	251
			-20	2	25	49	72	96	119	142	166	189	213
100	135.00	bu	53	79	105	131	157	183	209	235	261	287	313
			15	41	67	93	119	145	171	197	223	249	275
110	148.50	bu	90	118	147	175	204	232	261	290	318	347	375
			51	80	108	137	166	194	223	251	280	309	337
120	162.00	bu	126	157	188	219	251	282	313	344	375	406	438
			88	119	150	181	212	243	275	306	337	368	399
130	175.50	bu	162	196	230	263	297	331	365	399	432	466	500
			124	158	191	225	259	293	327	360	394	428	462
140	189.00	bu	198	235	271	308	344	380	417	453	489	526	562
			160	196	233	269	306	342	378	415	451	488	524
150	202.50	bu	235	274	313	352	391	430	469	507	546	585	624
			196	235	274	313	352	391	430	469	508	547	586

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

Table 5.A Estimated costs per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

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

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

Table 5.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____

TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	95.84	1.0000	95.84	_____
HERBICIDES	acre	49.44	1.0000	49.44	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	76.16	1.0000	76.16	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1995	1.80	_____
OPERATOR LABOR	hour	11.23	0.6959	7.81	_____
UNALLOCATED LABOR	hour	11.22	0.6263	7.03	_____
DIESEL FUEL	gal	2.22	6.7145	14.91	_____
REPAIR & MAINTENANCE	acre	12.75	1.0000	12.75	_____
INTEREST ON OP. CAP.	acre	8.43	1.0000	8.43	_____

TOTAL DIRECT EXPENSES				344.51	_____
RETURNS ABOVE DIRECT EXPENSES				175.24	_____
TOTAL FIXED EXPENSES				39.53	_____

TOTAL SPECIFIED EXPENSES				384.04	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				135.71	_____

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

Fertilization decisions should be based on soil tests.

Table 5.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

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

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

Table 5.D Estimated costs for field operations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

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

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

Fertilization decisions should be based on soil tests.

Table 5.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

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

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 5.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2010

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

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

Table 6.A Estimated costs per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2010

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

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 6.B Summary of estimated costs and returns per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.85	135.0000	519.75	_____

TOTAL INCOME				519.75	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	101.97	1.0000	101.97	_____
HERBICIDES	acre	39.20	1.0000	39.20	_____
INSECTICIDES	acre	7.84	1.0000	7.84	_____
SEED/PLANTS	acre	82.60	1.0000	82.60	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.2283	2.06	_____
OPERATOR LABOR	hour	11.23	0.5508	6.18	_____
UNALLOCATED LABOR	hour	11.21	0.4957	5.56	_____
DIESEL FUEL	gal	2.22	5.0092	11.11	_____
REPAIR & MAINTENANCE	acre	11.11	1.0000	11.11	_____
INTEREST ON OP. CAP.	acre	7.40	1.0000	7.40	_____

TOTAL DIRECT EXPENSES				330.53	_____
RETURNS ABOVE DIRECT EXPENSES				189.22	_____
TOTAL FIXED EXPENSES				30.91	_____

TOTAL SPECIFIED EXPENSES				361.44	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				158.31	_____

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 6.C Estimated resource use for field operations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Oct	0.5000				
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e.	pt					2.0000				
Clarity	pt					0.5000				
Spin Spreader	5 ton	2WD 150	0.042	1.00	Mar		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
NT Plant&Pre-Rigid	8R-30	2WD 150	0.105	1.00	Mar		0.10	0.10	0.21	0.09
Corn Seed BtRR	thous					28.0000				
Fert 10-34-0	cwt					0.5000				
Spray (Broadcast)	27'	2WD 150	0.062	1.00	Apr		0.06	0.06	0.09	0.05
Glyphosate 3lbs a.e.	pt					2.0000				
Lexar	pt					3.3000				
Fert Appl (Liquid)	8R-30	2WD 150	0.098	1.00	Apr		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					5.0000				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-30	265 hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Grain Cart Corn	500 bu	2WD 150	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	2WD 150	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.55	0.55	0.77	0.49

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 6.D Estimated costs for field operations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	17.50						0.79	18.29	18.29
App by Air (5 gal)	appl	6.00						0.18	6.18	6.18
Glyphosate 3lbs a.e.	pt	6.98						0.21	7.19	7.19
Clarity	pt	6.07						0.18	6.25	6.25
Spin Spreader	5 ton		0.72	0.41	1.28			0.06	2.47	1.49 3.96
DAP	cwt	17.82						0.47	18.29	18.29
Potash (60% K20)	cwt	21.66						0.57	22.23	22.23
NT Plant&Pre-Rigid	8R-30		1.81	1.88	3.22			0.18	7.09	5.47 12.56
Corn Seed BtRR	thous	82.60						2.17	84.77	84.77
Fert 10-34-0	cwt	9.69						0.25	9.94	9.94
Spray (Broadcast)	27'		1.07	0.34	1.61			0.07	3.09	1.49 4.58
Glyphosate 3lbs a.e.	pt	6.98						0.16	7.14	7.14
Lexar	pt	19.17						0.43	19.60	19.60
Fert Appl (Liquid)	8R-30		1.68	1.38	2.53			0.13	5.72	3.36 9.08
UAN (32% N)	cwt	52.80						1.19	53.99	53.99
App by Air (3 gal)	appl	5.00						0.07	5.07	5.07
Intrepid 2F	oz	7.84						0.12	7.96	7.96
Header - Corn	8R-30		3.87	4.38	2.72			0.04	11.01	14.95 25.96
Grain Cart Corn	500 bu		0.55	0.28	0.68			0.01	1.52	1.01 2.53
Haul Corn	bu	27.00						0.10	27.10	27.10
Stalk Shredder	20'		1.41	2.44	1.76			0.02	5.63	3.14 8.77
TOTALS		287.11	11.11	11.11	13.80	0.00	7.40	330.53	30.91	361.44

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 6.E Estimated monthly income and expense flows per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2010

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

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

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

* Lease costs are based on hourly usage costs.

Table 6.F Estimated returns for various price/yield combinations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2010

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

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

Table 7.A Estimated costs per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

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

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

Table 7.B Summary of estimated costs and returns per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grain Sorghum	bu	3.62	100.0000	362.00	_____

TOTAL INCOME				362.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	7.00	1.0000	7.00	_____
FERTILIZERS	acre	60.01	1.0000	60.01	_____
HERBICIDES	acre	30.48	1.0000	30.48	_____
SEED/PLANTS	acre	10.50	1.0000	10.50	_____
HAULING	acre	20.00	1.0000	20.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1756	1.59	_____
OPERATOR LABOR	hour	11.23	0.4456	5.00	_____
UNALLOCATED LABOR	hour	11.22	0.4010	4.50	_____
DIESEL FUEL	gal	2.22	4.3989	9.77	_____
REPAIR & MAINTENANCE	acre	8.08	1.0000	8.08	_____
INTEREST ON OP. CAP.	acre	3.45	1.0000	3.45	_____

TOTAL DIRECT EXPENSES				177.88	_____
RETURNS ABOVE DIRECT EXPENSES				184.12	_____
TOTAL FIXED EXPENSES				28.57	_____

TOTAL SPECIFIED EXPENSES				206.45	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				155.55	_____

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

Table 7.C Estimated resource use for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

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

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

Table 7.D Estimated costs for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

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

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

Table 7.E Estimated monthly income and expense flows per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

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

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 7.F Estimated returns for various price/yield combinations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2010

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

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

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

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

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

Table 8.A Estimated costs per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

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

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

Fertilization decisions should be based on soil tests.

Table 8.B Summary of estimated costs and returns per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	4.70	70.0000	329.00	_____

TOTAL INCOME				329.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	18.00	1.0000	18.00	_____
FERTILIZERS	acre	91.63	1.0000	91.63	_____
FUNGICIDES	acre	17.87	1.0000	17.87	_____
HERBICIDES	acre	23.90	1.0000	23.90	_____
SEED/PLANTS	acre	26.10	1.0000	26.10	_____
ADJUVANTS	acre	5.89	1.0000	5.89	_____
CUSTOM FERTILIZE	acre	19.60	1.0000	19.60	_____
HAULING	acre	14.00	1.0000	14.00	_____
CUSTOM LIME	acre	17.50	1.0000	17.50	_____
HAND LABOR	hour	9.06	0.1363	1.23	_____
OPERATOR LABOR	hour	11.23	0.3670	4.12	_____
UNALLOCATED LABOR	hour	11.27	0.2936	3.31	_____
DIESEL FUEL	gal	2.22	3.7114	8.24	_____
REPAIR & MAINTENANCE	acre	6.50	1.0000	6.50	_____
INTEREST ON OP. CAP.	acre	6.12	1.0000	6.12	_____

TOTAL DIRECT EXPENSES				264.01	_____
RETURNS ABOVE DIRECT EXPENSES				64.99	_____
TOTAL FIXED EXPENSES				24.69	_____

TOTAL SPECIFIED EXPENSES				288.70	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				40.30	_____

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

Table 8.C Estimated resource use for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

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

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

Table 8.D Estimated costs for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

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

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

Table 8.E Estimated monthly income and expense flows per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2010

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

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

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 8.F Estimated returns for various price/yield combinations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2010

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

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

APPENDIX

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

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

Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

CB = Cab, RB = Roll Bar

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

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

Notes:

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

Direct: Does not include interest on operating capital.

BB = Boll Buggy, Tr = Trailer

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

Table with columns: Item Name, Size, Power Unit, Purchase Price, Annual Use, Useful Life, Perf Rate, Labor, Fuel, ---R&M--- Imp. P.U. Direct, Total ---Fixed--- Imp. P.U., Total Cost. Rows include various agricultural equipment like Grain Drill, Harrow-Folding, Header-Corn, Header-Rice, etc.

(continued)

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

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

Notes:

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

Total Direct: Does not include interest on operating capital.

HB = Hooded Boom, HD = Hooded Direct

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

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

(continued)

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

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

(continued)

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

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

(continued)

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

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

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

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

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

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

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

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

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

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

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

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

^e Price used in the 2010 MAFES Planning Budgets.

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

Appendix Table 8. Estimated costs for field operations, per acre
 Irrigation with a 1/4-mile center pivot system
 135-acre system, 7.5 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----						FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER		
-----dollars-----									
Set Up Engine									
IRRIGATE LABOR	hour				0.27		0.01	0.28	0.28
Maintenance									
IRRIGATE LABOR	hour				1.07		0.02	1.09	1.09
Apply Water									
IRRIGATE LABOR	hour				0.15			0.15	0.15
Apply Water									
IRRIGATE LABOR	hour				0.20			0.20	0.20
Apply Water									
IRRIGATE LABOR	hour				0.15			0.15	0.15
Pivot, 1/4 CP	each			8.15			0.15	8.30	36.97
Well & Pump, 1/4 CP	each			2.40			0.05	2.45	8.20
Engine, 1/4 CP, 65	each								6.05
June Irr. 3app@.75"	ac-in		7.46	0.75			0.15	8.36	8.36
July Irr. 4app@.75"	ac-in		9.95	1.00			0.16	11.11	11.11
Aug Irr. 3app@.75"	ac-in		7.46	0.75			0.09	8.30	8.30
TOTALS		0.00	24.87	13.05	1.84	0.00	0.63	40.39	51.22

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

Appendix Table 9. Estimated costs for field operations, per acre
 Corn irrigated with roll-out pipe
 160-acre system, 13 ac-in., Delta Area, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Land Plane	50'x16'		0.82	0.23	0.43			0.07	1.55	1.28	2.83
Set Up Engine											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Ditcher (1m/160a)			0.14	0.04	0.11				0.29	0.19	0.48
Roll-Out Pipe	ft	6.60						0.10	6.70		6.70
Lay Roll-out Pipe											
Pipe Spool 160ac	1/4m roll		0.19	0.06	0.37			0.01	0.63	0.56	1.19
IRRIGATE LABOR	hour				1.81			0.03	1.84		1.84
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Apply Water											
IRRIGATE LABOR	hour				0.23				0.23		0.23
Pick Up Pipe											
Pipe Spool 160ac	1/4m roll		0.28	0.09	0.55			0.01	0.93	0.84	1.77
Land Forming (\$75)	each									6.15	6.15
Well & Pump, Furrow	each			2.03				0.03	2.06	6.92	8.98
Main Line Pipe	each									4.87	4.87
Engine, RPF, Corn	each									5.67	5.67
1st June Irrigation	ac-in		5.88	0.59				0.10	6.57		6.57
2nd June Irrigation	ac-in		5.88	0.59				0.10	6.57		6.57
3rd June Irrigation	ac-in		5.88	0.59				0.10	6.57		6.57
1st July Irrigation	ac-in		5.88	0.59				0.07	6.54		6.54
TOTALS		6.60	24.95	4.81	4.42	0.00	0.62	41.40	26.48	67.88	

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

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