

**CORN, GRAIN
SORGHUM & WHEAT
2008
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2008-03**

December 2007

Foreword

extension staffs, lending agencies, and others in agriculture. Readers are cautioned that returns presented are labeled "**Returns Above Specified Expenses.**" Estimated costs for land, management, and general farm overhead are not included in this report. The exception is unallocated labor, which is included. "**Returns Above Direct Expenses**" should be used in making 2008 planning decisions. This would be a one-year short-run decision. Decisions beyond one year, or long-run decisions, should be based on "**Returns Above Specified Expenses.**"

Acknowledgments

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

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

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

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2008 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 2007. (Appendix Tables 1, 2, and 3).

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

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

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

Estimates of Direct Costs

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

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

$$RPA = RPH \times PR$$

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 2007 crop year. Government payments for commodities are not included in the budgets except to the extent that they are included in loan rates.

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

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

Irrigation Costs

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.

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, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	1.0000	4.50	_____
App by Air (3 gal)	appl	3.50	1.0000	3.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.8000	28.80	_____
Potash (60% K2O)	cwt	13.00	1.3750	17.88	_____
Fert 10-34-0	cwt	16.00	0.5000	8.00	_____
UAN (32% N)	cwt	12.00	7.5000	90.00	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Clarity	pt	11.60	0.5000	5.80	_____
Gramoxone Inteon	oz	0.23	48.0000	11.04	_____
Lexar	pt	4.90	3.3000	16.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.93	4.0000	7.72	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.01	30.0000	60.30	_____
ADJUVANTS					
Surfactant	pt	1.55	0.4000	0.62	_____
HAULING					
Haul Corn	bu	0.20	185.0000	37.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.6126	6.27	_____
Harvesters	hour	10.21	0.1009	1.03	_____
IRRIGATE LABOR					
Special Labor	hour	7.31	0.3250	2.36	_____
Implements	hour	7.31	0.0625	0.45	_____
HAND LABOR					
Implements	hour	7.31	0.2141	1.56	_____
UNALLOCATED LABOR	hour	10.21	0.5715	5.84	_____
DIESEL FUEL					
Tractors	gal	2.33	5.8662	13.66	_____
Harvesters	gal	2.33	1.4285	3.33	_____
Roll-Out Pipe Irr.	gal	2.33	10.5901	24.68	_____
REPAIR & MAINTENANCE					
Implements	acre	6.18	1.0000	6.18	_____
Tractors	acre	2.24	1.0000	2.24	_____
Harvesters	acre	2.00	1.0000	2.00	_____
Roll-Out Pipe Irr.	acre	4.39	1.0000	4.39	_____
INTEREST ON OP. CAP.	acre	18.65	1.0000	18.65	_____
TOTAL DIRECT EXPENSES				419.97	_____
FIXED EXPENSES					
Implements	acre	11.38	1.0000	11.38	_____
Tractors	acre	17.24	1.0000	17.24	_____
Harvesters	acre	9.59	1.0000	9.59	_____
Roll-Out Pipe Irr.	acre	27.97	1.0000	27.97	_____
TOTAL FIXED EXPENSES				66.18	_____
TOTAL SPECIFIED EXPENSES				486.15	_____

Note: Cost of production estimates are based on 2007 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, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.81	185.0000	704.85	_____

TOTAL INCOME				704.85	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.00	1.0000	8.00	_____
FERTILIZERS	acre	144.68	1.0000	144.68	_____
HERBICIDES	acre	42.41	1.0000	42.41	_____
INSECTICIDES	acre	7.72	1.0000	7.72	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	60.30	1.0000	60.30	_____
ADJUVANTS	acre	0.62	1.0000	0.62	_____
HAULING	acre	37.00	1.0000	37.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.2141	1.56	_____
IRRIGATE LABOR	hour	7.31	0.3875	2.81	_____
OPERATOR LABOR	hour	10.21	0.7136	7.30	_____
UNALLOCATED LABOR	hour	10.21	0.5715	5.84	_____
DIESEL FUEL	gal	2.33	17.8849	41.67	_____
REPAIR & MAINTENANCE	acre	14.81	1.0000	14.81	_____
INTEREST ON OP. CAP.	acre	18.65	1.0000	18.65	_____

TOTAL DIRECT EXPENSES				419.97	_____
RETURNS ABOVE DIRECT EXPENSES				284.88	_____
TOTAL FIXED EXPENSES				66.18	_____

TOTAL SPECIFIED EXPENSES				486.15	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				218.70	_____

Note: Cost of production estimates are based on 2007 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, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Oct	0.5000				
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
Roller	32'-12R30	MFWD 190	0.046	1.00	Oct		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate Plus 4L	pt					2.0000				
Clarity	pt					0.5000				
Plant & Pre-Rigid	8R-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				
Gramoxone Inteon	oz					48.0000				
Surfactant	pt					0.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					3.1250				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Glyphosate Plus 4L	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	275hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Corn Grain Cart 8R38	700bu	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							0.71	0.71	1.31	0.57

Note: Cost of production estimates are based on 2007 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, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	20.00						1.75	21.75		21.75
Spin Spreader	5 ton		0.96	0.42	1.13			0.22	2.73	1.86	4.59
DAP	cwt	28.80						2.52	31.32		31.32
Potash (60% K2O)	cwt	17.88						1.56	19.44		19.44
Disk Bed (Hipper)Rdg	8R-38		1.69	0.54	1.44			0.32	3.99	3.00	6.99
Roller	32'-12R30		1.06	0.29	0.91			0.20	2.46	2.21	4.67
App by Air (5 gal)	appl	4.50						0.26	4.76		4.76
Glyphosate Plus 4L	pt	4.70						0.27	4.97		4.97
Clarity	pt	5.80						0.34	6.14		6.14
Plant & Pre-Rigid	8R-38		1.83	1.16	2.15			0.26	5.40	4.39	9.79
Corn Seed BtRR	thous	60.30						3.08	63.38		63.38
Fert 10-34-0	cwt	8.00						0.41	8.41		8.41
Gramoxone Inteon	oz	11.04						0.56	11.60		11.60
Surfactant	pt	0.62						0.03	0.65		0.65
Fert Appl (Liquid)	8R-38		1.77	1.02	1.78			0.20	4.77	3.26	8.03
UAN (32% N)	cwt	37.50						1.64	39.14		39.14
Spray (Broadcast)	60'		0.64	0.21	0.65			0.07	1.57	0.96	2.53
Glyphosate Plus 4L	pt	4.70						0.21	4.91		4.91
Lexar	pt	16.17						0.71	16.88		16.88
Fert Appl (Liquid)	8R-38		1.77	1.02	1.78			0.17	4.74	3.26	8.00
UAN (32% N)	cwt	52.50						1.91	54.41		54.41
App by Air (3 gal)	appl	3.50						0.10	3.60		3.60
Intrepid 2F	oz	7.72						0.23	7.95		7.95
Header - Corn	8R-38		3.33	3.08	1.96			0.06	8.43	11.62	20.05
Corn Grain Cart 8R38	700bu		0.57	0.24	0.49			0.01	1.31	1.05	2.36
Haul Corn	bu	37.00						0.27	37.27		37.27
Stalk Shredder	20'		1.88	2.07	1.60			0.04	5.59	3.71	9.30
Roll-Out Pipe Irr.	acre	6.60	26.17	4.76	3.62			1.25	42.40	30.86	73.26
TOTALS		327.33	41.67	14.81	17.51	0.00	18.65	419.97	66.18	486.15	

Note: Cost of production estimates are based on 2007 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, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704.85
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	3.50	0.00	0.00	0.00
FERTILIZERS	46.68	0.00	0.00	0.00	0.00	8.00	37.50	52.50	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.50	11.04	20.87	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	0.00	0.00	0.00
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	60.30	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.00
CUSTOM LIME	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.87	0.00	0.00	0.00	0.00	2.15	2.43	1.96	2.41	0.18	0.46	4.05
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	4.57	0.00	0.00	0.00	0.00	1.83	2.41	1.77	18.85	6.17	0.29	5.78
REPAIR & MAINTENANCE	1.44	0.00	0.00	0.00	0.00	1.16	1.23	1.02	3.89	0.59	0.09	5.39
INTEREST ON OP. CAP.	6.70	0.00	0.00	0.00	0.87	4.34	2.83	2.09	1.28	0.15	0.01	0.38
TOTAL DIRECT EXPENSES	83.26	0.00	0.00	0.00	15.87	89.44	67.27	59.34	44.25	7.09	0.85	52.60
NET INCOME	-83.26	0.00	0.00	0.00	-15.87	-89.44	-67.27	-59.34	-44.25	-7.09	-0.85	652.25
NET INCOME TO DATE	-83.26	-83.26	-83.26	-83.26	-99.13	-188.57	-255.84	-315.18	-359.43	-366.52	-367.37	284.88

Note: Cost of production estimates are based on 2007 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, 2008

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Corn			2.85	3.04	3.23	3.42	3.61	3.81	4.00	4.19	4.38	4.57	4.76
PERCENT	YIELD	UNIT	-----dollars-----										
50	92.50	bu	-137	-119	-101	-84	-66	-48	-31	-13	3	21	39
			-203	-185	-167	-150	-132	-115	-97	-79	-62	-44	-26
60	111.00	bu	-87	-66	-45	-24	-3	17	38	60	81	102	123
			-154	-132	-111	-90	-69	-48	-27	-6	15	36	57
70	129.50	bu	-38	-14	10	35	59	84	109	133	158	183	207
			-104	-80	-55	-30	-6	18	43	67	92	117	141
80	148.00	bu	10	38	66	94	123	151	179	207	235	264	292
			-55	-27	0	28	56	85	113	141	169	197	226
90	166.50	bu	59	91	122	154	186	218	249	281	313	344	376
			-6	25	56	88	120	151	183	215	247	278	310
100	185.00	bu	108	143	179	214	249	284	320	355	390	425	461
			42	77	112	148	183	218	253	289	324	359	394
110	203.50	bu	157	196	235	274	312	351	390	429	467	506	545
			91	130	169	207	246	285	324	362	401	440	479
120	222.00	bu	206	249	291	333	376	418	460	502	545	587	629
			140	183	225	267	309	352	394	436	479	521	563
130	240.50	bu	256	301	347	393	439	485	530	576	622	668	714
			189	235	281	327	373	418	464	510	556	602	648
140	259.00	bu	305	354	403	453	502	551	601	650	699	749	798
			239	288	337	387	436	485	535	584	633	683	732
150	277.50	bu	354	407	460	512	565	618	671	724	777	830	882
			288	341	393	446	499	552	605	658	711	763	816

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2007 input prices.

Table 2.A Estimated costs per acre
 Corn, stale seedbed, BtRR, non-irrigated, 8-row 38"
 135 bu yield goal, Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	1.0000	4.50	_____
App by Air (3 gal)	appl	3.50	1.0000	3.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.0870	17.39	_____
Potash (60% K2O)	cwt	13.00	0.8300	10.79	_____
Fert 10-34-0	cwt	16.00	0.5000	8.00	_____
UAN (32% N)	cwt	12.00	5.1565	61.88	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Clarity	pt	11.60	0.5000	5.80	_____
Gramoxone Inteon	oz	0.23	48.0000	11.04	_____
Lexar	pt	4.90	3.3000	16.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.93	4.0000	7.72	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.01	26.0000	52.26	_____
ADJUVANTS					
Surfactant	pt	1.55	0.4000	0.62	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.5341	5.46	_____
Harvesters	hour	10.21	0.1009	1.03	_____
HAND LABOR					
Implements	hour	7.31	0.2141	1.56	_____
UNALLOCATED LABOR	hour	10.21	0.5715	5.84	_____
DIESEL FUEL					
Tractors	gal	2.33	5.2236	12.17	_____
Harvesters	gal	2.33	1.4285	3.33	_____
REPAIR & MAINTENANCE					
Implements	acre	6.05	1.0000	6.05	_____
Tractors	acre	2.00	1.0000	2.00	_____
Harvesters	acre	2.00	1.0000	2.00	_____
INTEREST ON OP. CAP.	acre	14.17	1.0000	14.17	_____
TOTAL DIRECT EXPENSES				309.68	_____
FIXED EXPENSES					
Implements	acre	10.32	1.0000	10.32	_____
Tractors	acre	15.41	1.0000	15.41	_____
Harvesters	acre	9.59	1.0000	9.59	_____
TOTAL FIXED EXPENSES				35.32	_____
TOTAL SPECIFIED EXPENSES				345.00	_____

Note: Cost of production estimates are based on 2007 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, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.81	135.0000	514.35	_____

TOTAL INCOME				514.35	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.00	1.0000	8.00	_____
FERTILIZERS	acre	98.06	1.0000	98.06	_____
HERBICIDES	acre	42.41	1.0000	42.41	_____
INSECTICIDES	acre	7.72	1.0000	7.72	_____
SEED/PLANTS	acre	52.26	1.0000	52.26	_____
ADJUVANTS	acre	0.62	1.0000	0.62	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.2141	1.56	_____
OPERATOR LABOR	hour	10.21	0.6350	6.49	_____
UNALLOCATED LABOR	hour	10.21	0.5715	5.84	_____
DIESEL FUEL	gal	2.33	6.6521	15.50	_____
REPAIR & MAINTENANCE	acre	10.05	1.0000	10.05	_____
INTEREST ON OP. CAP.	acre	14.17	1.0000	14.17	_____

TOTAL DIRECT EXPENSES				309.68	_____
RETURNS ABOVE DIRECT EXPENSES				204.67	_____
TOTAL FIXED EXPENSES				35.32	_____

TOTAL SPECIFIED EXPENSES				345.00	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				169.35	_____

Note: Cost of production estimates are based on 2007 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, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Oct	0.5000				
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
Roller	32'-12R30	MFWD 190	0.046	1.00	Oct		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate Plus 4L	pt					2.0000				
Clarity	pt					0.5000				
Plant & Pre-Rigid	8R-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				
Gramoxone Inteon	oz					48.0000				
Surfactant	pt					0.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8750				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Apr		0.02	0.02	0.04	0.02
Glyphosate Plus 4L	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	275hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Corn Grain Cart	8R38	700bu	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							0.63	0.63	0.84	0.57

Note: Cost of production estimates are based on 2007 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, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	20.00						1.75	21.75		21.75
Spin Spreader	5 ton		0.96	0.42	1.13			0.22	2.73	1.86	4.59
DAP	cwt	17.39						1.52	18.91		18.91
Potash (60% K20)	cwt	10.79						0.94	11.73		11.73
Disk Bed (Hipper)Rdg	8R-38		1.69	0.54	1.44			0.32	3.99	3.00	6.99
Roller	32'-12R30		1.06	0.29	0.91			0.20	2.46	2.21	4.67
App by Air (5 gal)	appl	4.50						0.26	4.76		4.76
Glyphosate Plus 4L	pt	4.70						0.27	4.97		4.97
Clarity	pt	5.80						0.34	6.14		6.14
Plant & Pre-Rigid	8R-38		1.83	1.16	2.15			0.26	5.40	4.39	9.79
Corn Seed BtRR	thous	52.26						2.67	54.93		54.93
Fert 10-34-0	cwt	8.00						0.41	8.41		8.41
Gramoxone Inteon	oz	11.04						0.56	11.60		11.60
Surfactant	pt	0.62						0.03	0.65		0.65
Fert Appl (Liquid)	8R-38		1.77	1.02	1.78			0.20	4.77	3.26	8.03
UAN (32% N)	cwt	22.50						0.98	23.48		23.48
Spray (Broadcast)	60'		0.64	0.21	0.65			0.07	1.57	0.96	2.53
Glyphosate Plus 4L	pt	4.70						0.21	4.91		4.91
Lexar	pt	16.17						0.71	16.88		16.88
Fert Appl (Liquid)	8R-38		1.77	1.02	1.78			0.17	4.74	3.26	8.00
UAN (32% N)	cwt	39.38						1.44	40.82		40.82
App by Air (3 gal)	appl	3.50						0.10	3.60		3.60
Intrepid 2F	oz	7.72						0.23	7.95		7.95
Header - Corn	8R-38		3.33	3.08	1.96			0.06	8.43	11.62	20.05
Corn Grain Cart 8R38	700bu		0.57	0.24	0.49			0.01	1.31	1.05	2.36
Haul Corn	bu	27.00						0.20	27.20		27.20
Stalk Shredder	20'		1.88	2.07	1.60			0.04	5.59	3.71	9.30
TOTALS		256.07	15.50	10.05	13.89	0.00	14.17	309.68	35.32	345.00	

Note: Cost of production estimates are based on 2007 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, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	514.35
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	3.50	0.00	0.00	0.00
FERTILIZERS	28.18	0.00	0.00	0.00	0.00	8.00	22.50	39.38	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.50	11.04	20.87	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	52.26	0.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00
CUSTOM LIME	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.48	0.00	0.00	0.00	0.00	2.15	2.43	1.78	0.00	0.00	0.00	4.05
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	3.71	0.00	0.00	0.00	0.00	1.83	2.41	1.77	0.00	0.00	0.00	5.78
REPAIR & MAINTENANCE	1.25	0.00	0.00	0.00	0.00	1.16	1.23	1.02	0.00	0.00	0.00	5.39
INTEREST ON OP. CAP.	4.95	0.00	0.00	0.00	0.87	3.93	2.17	1.61	0.33	0.00	0.00	0.31
TOTAL DIRECT EXPENSES	61.57	0.00	0.00	0.00	15.87	80.99	51.61	45.56	11.55	0.00	0.00	42.53
NET INCOME	-61.57	0.00	0.00	0.00	-15.87	-80.99	-51.61	-45.56	-11.55	0.00	0.00	471.82
NET INCOME TO DATE	-61.57	-61.57	-61.57	-61.57	-77.44	-158.43	-210.04	-255.60	-267.15	-267.15	-267.15	204.67

Note: Cost of production estimates are based on 2007 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, 2008

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Corn			2.85	3.04	3.23	3.42	3.61	3.81	4.00	4.19	4.38	4.57	4.76
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-103	-90	-77	-64	-51	-38	-26	-13	-0	12	25
			-138	-125	-112	-99	-87	-74	-61	-48	-35	-22	-9
60	81.00	bu	-67	-51	-36	-21	-5	9	25	40	56	71	86
			-102	-87	-71	-56	-40	-25	-10	5	20	36	51
70	94.50	bu	-31	-13	4	22	40	58	76	94	112	130	148
			-66	-48	-30	-12	5	23	41	59	77	95	113
80	108.00	bu	4	24	45	66	86	107	127	148	168	189	210
			-30	-10	10	30	51	71	92	113	133	154	174
90	121.50	bu	40	63	86	109	132	155	179	202	225	248	271
			4	28	51	74	97	120	143	166	190	213	236
100	135.00	bu	76	101	127	153	178	204	230	256	281	307	333
			40	66	92	117	143	169	195	220	246	272	297
110	148.50	bu	111	140	168	196	225	253	281	309	338	366	394
			76	104	133	161	189	218	246	274	302	331	359
120	162.00	bu	147	178	209	240	271	302	332	363	394	425	456
			112	143	174	205	235	266	297	328	359	390	421
130	175.50	bu	183	217	250	283	317	350	384	417	451	484	517
			148	181	215	248	282	315	348	382	415	449	482
140	189.00	bu	219	255	291	327	363	399	435	471	507	543	579
			184	220	256	292	328	364	400	436	472	508	544
150	202.50	bu	255	293	332	371	409	448	486	525	563	602	641
			220	258	297	335	374	412	451	490	528	567	605

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2007 input prices.

Table 3.A Estimated costs per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	1.0000	4.50	_____
App by Air (3 gal)	appl	3.50	1.0000	3.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.8000	28.80	_____
Potash (60% K2O)	cwt	13.00	1.3750	17.88	_____
UAN (32% N)	cwt	12.00	7.5000	90.00	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	2.0000	4.70	_____
Clarity	pt	11.60	0.5000	5.80	_____
Atrazine 4L	pt	1.17	4.0000	4.68	_____
Dual II Magnum	pt	13.43	1.3300	17.86	_____
Accent SP	oz	31.60	0.1675	5.29	_____
INSECTICIDES					
Intrepid 2F	oz	1.93	4.0000	7.72	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.20	33.0000	6.60	_____
SEED/PLANTS					
Corn Seed RR	thous	1.87	30.0000	56.10	_____
HAULING					
Haul Corn	bu	0.20	185.0000	37.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.8819	9.01	_____
Harvesters	hour	10.21	0.1009	1.03	_____
Self-Propelled	hour	10.21	0.0044	0.05	_____
IRRIGATE LABOR					
Special Labor	hour	7.31	0.3250	2.36	_____
Implements	hour	7.31	0.0625	0.45	_____
HAND LABOR					
Implements	hour	7.31	0.2000	1.46	_____
Self-Propelled	hour	7.31	0.0022	0.02	_____
UNALLOCATED LABOR	hour	10.20	0.8178	8.35	_____
DIESEL FUEL					
Tractors	gal	2.33	8.4994	19.81	_____
Harvesters	gal	2.33	1.4285	3.33	_____
Self-Propelled	gal	2.33	0.0453	0.11	_____
Roll-Out Pipe Irr.	gal	2.33	10.5901	24.68	_____
REPAIR & MAINTENANCE					
Implements	acre	7.27	1.0000	7.27	_____
Tractors	acre	3.24	1.0000	3.24	_____
Harvesters	acre	2.00	1.0000	2.00	_____
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	18.73	1.0000	18.73	_____
TOTAL DIRECT EXPENSES				416.75	_____
FIXED EXPENSES					
Implements	acre	14.66	1.0000	14.66	_____
Tractors	acre	25.01	1.0000	25.01	_____
Harvesters	acre	9.59	1.0000	9.59	_____
Self-Propelled	acre	0.26	1.0000	0.26	_____
Roll-Out Pipe Irr.	acre	27.97	1.0000	27.97	_____
TOTAL FIXED EXPENSES				77.49	_____
TOTAL SPECIFIED EXPENSES				494.24	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Table 3.B Summary of estimated costs and returns per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.81	185.0000	704.85	_____

TOTAL INCOME				704.85	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.00	1.0000	8.00	_____
FERTILIZERS	acre	136.68	1.0000	136.68	_____
HERBICIDES	acre	38.33	1.0000	38.33	_____
INSECTICIDES	acre	7.72	1.0000	7.72	_____
IRRIGATION SUPPLIES	acre	6.60	1.0000	6.60	_____
SEED/PLANTS	acre	56.10	1.0000	56.10	_____
HAULING	acre	37.00	1.0000	37.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.2022	1.48	_____
IRRIGATE LABOR	hour	7.31	0.3875	2.81	_____
OPERATOR LABOR	hour	10.21	0.9872	10.09	_____
UNALLOCATED LABOR	hour	10.20	0.8178	8.35	_____
DIESEL FUEL	gal	2.33	20.5635	47.93	_____
REPAIR & MAINTENANCE	acre	16.93	1.0000	16.93	_____
INTEREST ON OP. CAP.	acre	18.73	1.0000	18.73	_____

TOTAL DIRECT EXPENSES				416.75	_____
RETURNS ABOVE DIRECT EXPENSES				288.10	_____
TOTAL FIXED EXPENSES				77.49	_____

TOTAL SPECIFIED EXPENSES				494.24	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				210.61	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Table 3.C Estimated resource use for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	POWER IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR	
-----hours-----											
Subsoiler	3 shank	MFWD 190	0.204	0.50	Oct			0.10	0.10	0.09	
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct			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	0.03	
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	0.06	
App by Air (5 gal)	appl			1.00	Feb	1.0000					
Glyphosate Plus 4L	pt					2.0000					
Clarity	pt					0.5000					
Row Cond (Plant)Rdg	26'	MFWD 190	0.078	1.00	Mar			0.07	0.07	0.07	
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	Mar			0.08	0.08	0.07	
Corn Seed RR	thous					30.0000					
Atrazine 4L	pt					4.0000					
Dual II Magnum	pt					1.3300					
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr			0.07	0.07	0.06	
UAN (32% N)	cwt					3.1250					
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	May			0.07	0.07	0.06	
UAN (32% N)	cwt					4.3750					
Sprayer(600-750Gal)	60'		0.017	0.25	May			0.00	0.00	0.00	
Accent SP	oz					0.1675					
Cultivate	8R-38	MFWD 190	0.081	1.00	May			0.08	0.08	0.07	
App by Air (3 gal)	appl			1.00	Jun	1.0000					
Intrepid 2F	oz					4.0000					
Header - Corn	8R-38	275hp	0.100	1.00	Sep			0.10	0.10	0.09	
Corn Grain Cart 8R38	700bu	MFWD 190	0.025	1.00	Sep			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	0.07	
Roll-Out Pipe Irr.	acre				Jul	1.0000		0.07	0.07	0.46	
TOTALS								0.98	0.98	1.57	0.81

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

Table 3.D Estimated costs for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Subsoiler	3 shank		2.33	0.52	1.98		0.42	5.25	3.42	8.67
Disk Harrow	24'		1.87	0.92	1.59		0.38	4.76	3.98	8.74
Lime (Spread)	ton	20.00					1.75	21.75		21.75
Spin Spreader	5 ton		0.96	0.42	1.13		0.22	2.73	1.86	4.59
DAP	cwt	28.80					2.52	31.32		31.32
Potash (60% K2O)	cwt	17.88					1.56	19.44		19.44
Disk Bed (Hipper)Rdg	8R-38		1.69	0.54	1.44		0.32	3.99	3.00	6.99
App by Air (5 gal)	appl	4.50					0.26	4.76		4.76
Glyphosate Plus 4L	pt	4.70					0.27	4.97		4.97
Clarity	pt	5.80					0.34	6.14		6.14
Row Cond (Plant)Rdg	26'		1.79	0.48	1.52		0.19	3.98	3.25	7.23
Plant & Pre-Rigid	8R-38		1.83	1.16	2.15		0.26	5.40	4.39	9.79
Corn Seed RR	thous	56.10					2.86	58.96		58.96
Atrazine 4L	pt	4.68					0.24	4.92		4.92
Dual II Magnum	pt	17.86					0.91	18.77		18.77
Fert Appl (Liquid)	8R-38		1.77	1.02	1.78		0.20	4.77	3.26	8.03
UAN (32% N)	cwt	37.50					1.64	39.14		39.14
Fert Appl (Liquid)	8R-38		1.77	1.02	1.78		0.17	4.74	3.26	8.00
UAN (32% N)	cwt	52.50					1.91	54.41		54.41
Sprayer(600-750Gal)	60'		0.11	0.03	0.11		0.01	0.26	0.26	0.52
Accent SP	oz	5.29					0.19	5.48		5.48
Cultivate	8R-38		1.86	0.67	1.58		0.15	4.26	3.57	7.83
App by Air (3 gal)	appl	3.50					0.10	3.60		3.60
Intrepid 2F	oz	7.72					0.23	7.95		7.95
Header - Corn	8R-38		3.33	3.08	1.96		0.06	8.43	11.62	20.05
Corn Grain Cart 8R38	700bu		0.57	0.24	0.49		0.01	1.31	1.05	2.36
Haul Corn	bu	37.00					0.27	37.27		37.27
Stalk Shredder	20'		1.88	2.07	1.60		0.04	5.59	3.71	9.30
Roll-Out Pipe Irr.	acre	6.60	26.17	4.76	3.62		1.25	42.40	30.86	73.26
TOTALS		310.43	47.93	16.93	22.73	0.00	18.73	416.75	77.49	494.24

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

Table 3.E Estimated monthly income and expense flows per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in., Delta Area, Mississippi, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704.85
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	3.50	0.00	0.00	0.00
FERTILIZERS	46.68	0.00	0.00	0.00	0.00	0.00	37.50	52.50	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.50	22.54	0.00	5.29	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	0.00	0.00	0.00
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	56.10	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	37.00
CUSTOM LIME	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	6.53	0.00	0.00	0.00	0.00	3.67	1.78	3.65	2.41	0.18	0.46	4.05
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	7.71	0.00	0.00	0.00	0.00	3.62	1.77	3.74	18.85	6.17	0.29	5.78
REPAIR & MAINTENANCE	2.59	0.00	0.00	0.00	0.00	1.64	1.02	1.72	3.89	0.59	0.09	5.39
INTEREST ON OP. CAP.	7.30	0.00	0.00	0.00	0.87	4.46	1.84	2.44	1.28	0.15	0.01	0.38
TOTAL DIRECT EXPENSES	90.81	0.00	0.00	0.00	15.87	92.03	43.91	69.34	44.25	7.09	0.85	52.60
NET INCOME	-90.81	0.00	0.00	0.00	-15.87	-92.03	-43.91	-69.34	-44.25	-7.09	-0.85	652.25
NET INCOME TO DATE	-90.81	-90.81	-90.81	-90.81	-106.68	-198.71	-242.62	-311.96	-356.21	-363.30	-364.15	288.10

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
 Corn, conventional tillage, RR seed, 8-row 38",
 185 bu yld goal, furrow irrigated, 13 ac-in.,Delta Area, Mississippi, 2008

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Corn			2.85	3.04	3.23	3.42	3.61	3.81	4.00	4.19	4.38	4.57	4.76
PERCENT	YIELD	UNIT	-----dollars-----										
50	92.50	bu	-133	-116	-98	-80	-63	-45	-28	-10	7	24	42
			-211	-193	-176	-158	-140	-123	-105	-87	-70	-52	-35
60	111.00	bu	-84	-63	-42	-21	-0	21	42	63	84	105	126
			-162	-141	-119	-98	-77	-56	-35	-14	7	28	49
70	129.50	bu	-35	-10	13	38	63	87	112	137	161	186	211
			-113	-88	-63	-39	-14	10	35	59	84	109	133
80	148.00	bu	13	41	70	98	126	154	182	210	239	267	295
			-63	-35	-7	20	48	77	105	133	161	189	218
90	166.50	bu	62	94	126	157	189	221	253	284	316	348	379
			-14	16	48	80	112	143	175	207	239	270	302
100	185.00	bu	111	147	182	217	252	288	323	358	393	429	464
			34	69	104	140	175	210	245	281	316	351	386
110	203.50	bu	161	199	238	277	316	354	393	432	471	509	548
			83	122	161	199	238	277	316	354	393	432	471
120	222.00	bu	210	252	294	337	379	421	463	506	548	590	633
			132	174	217	259	301	344	386	428	470	513	555
130	240.50	bu	259	305	350	396	442	488	534	580	625	671	717
			181	227	273	319	365	410	456	502	548	594	639
140	259.00	bu	308	357	407	456	505	555	604	653	703	752	801
			230	280	329	378	428	477	526	576	625	675	724
150	277.50	bu	357	410	463	516	569	621	674	727	780	833	886
			280	332	385	438	491	544	597	650	702	755	808

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2007 input prices.

Table 4.A Estimated costs per acre
 Corn, conventional tillage, RR seed, 8-row 38
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	1.0000	4.50	_____
App by Air (3 gal)	appl	3.50	1.0000	3.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.0870	17.39	_____
Potash (60% K2O)	cwt	13.00	0.8300	10.79	_____
UAN (32% N)	cwt	12.00	5.1565	61.88	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	2.0000	4.70	_____
Clarity	pt	11.60	0.5000	5.80	_____
Atrazine 4L	pt	1.17	4.0000	4.68	_____
Dual II Magnum	pt	13.43	1.3300	17.86	_____
Accent SP	oz	31.60	0.1675	5.29	_____
INSECTICIDES					
Intrepid 2F	oz	1.93	4.0000	7.72	_____
SEED/PLANTS					
Corn Seed RR	thous	1.87	26.0000	48.62	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.7218	7.37	_____
Harvesters	hour	10.21	0.1009	1.03	_____
Self-Propelled	hour	10.21	0.0044	0.05	_____
HAND LABOR					
Implements	hour	7.31	0.2000	1.46	_____
Self-Propelled	hour	7.31	0.0022	0.02	_____
UNALLOCATED LABOR	hour	10.20	0.7445	7.60	_____
DIESEL FUEL					
Tractors	gal	2.33	7.0595	16.46	_____
Harvesters	gal	2.33	1.4285	3.33	_____
Self-Propelled	gal	2.33	0.0453	0.11	_____
REPAIR & MAINTENANCE					
Implements	acre	6.77	1.0000	6.77	_____
Tractors	acre	2.70	1.0000	2.70	_____
Harvesters	acre	2.00	1.0000	2.00	_____
Self-Propelled	acre	0.03	1.0000	0.03	_____
INTEREST ON OP. CAP.	acre	14.13	1.0000	14.13	_____
TOTAL DIRECT EXPENSES				302.79	_____
FIXED EXPENSES					
Implements	acre	12.38	1.0000	12.38	_____
Tractors	acre	20.83	1.0000	20.83	_____
Harvesters	acre	9.59	1.0000	9.59	_____
Self-Propelled	acre	0.26	1.0000	0.26	_____
TOTAL FIXED EXPENSES				43.06	_____
TOTAL SPECIFIED EXPENSES				345.85	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Table 4.B Summary of estimated costs and returns per acre
 Corn, conventional tillage, RR seed, 8-row 38
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.81	135.0000	514.35	_____

TOTAL INCOME				514.35	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.00	1.0000	8.00	_____
FERTILIZERS	acre	90.06	1.0000	90.06	_____
HERBICIDES	acre	38.33	1.0000	38.33	_____
INSECTICIDES	acre	7.72	1.0000	7.72	_____
SEED/PLANTS	acre	48.62	1.0000	48.62	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.2022	1.48	_____
OPERATOR LABOR	hour	10.21	0.8272	8.45	_____
UNALLOCATED LABOR	hour	10.20	0.7445	7.60	_____
DIESEL FUEL	gal	2.33	8.5335	19.90	_____
REPAIR & MAINTENANCE	acre	11.50	1.0000	11.50	_____
INTEREST ON OP. CAP.	acre	14.13	1.0000	14.13	_____

TOTAL DIRECT EXPENSES				302.79	_____
RETURNS ABOVE DIRECT EXPENSES				211.56	_____
TOTAL FIXED EXPENSES				43.06	_____

TOTAL SPECIFIED EXPENSES				345.85	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				168.50	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Table 4.C Estimated resource use for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	POWER IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
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 Plus 4L	pt					2.0000				
Clarity	pt					0.5000				
Row Cond (Plant)Rdg	26'	MFWD 190	0.078	1.00	Mar		0.07	0.07	0.07	0.07
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	Mar		0.08	0.08	0.16	0.07
Corn Seed RR	thous					26.0000				
Atrazine 4L	pt					4.0000				
Dual II Magnum	pt					1.3300				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8750				
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'		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	275hp	0.100	1.00	Sep		0.10	0.10	0.10	0.09
Corn Grain Cart 8R38	700bu	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							0.82	0.82	1.02	0.74

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

Table 4.D Estimated costs for field operations, per acre
 Corn, conventional tillage, RR seed, 8-row 38
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Subsoiler	3 shank		2.33	0.52	1.98			0.42	5.25	3.42	8.67
Disk Harrow	24'		1.87	0.92	1.59			0.38	4.76	3.98	8.74
Lime (Spread)	ton	20.00						1.75	21.75		21.75
Spin Spreader	5 ton		0.96	0.42	1.13			0.22	2.73	1.86	4.59
DAP	cwt	17.39						1.52	18.91		18.91
Potash (60% K20)	cwt	10.79						0.94	11.73		11.73
Disk Bed (Hipper)Rdg	8R-38		1.69	0.54	1.44			0.32	3.99	3.00	6.99
App by Air (5 gal)	appl	4.50						0.26	4.76		4.76
Glyphosate Plus 4L	pt	4.70						0.27	4.97		4.97
Clarity	pt	5.80						0.34	6.14		6.14
Row Cond (Plant)Rdg	26'		1.79	0.48	1.52			0.19	3.98	3.25	7.23
Plant & Pre-Rigid	8R-38		1.83	1.16	2.15			0.26	5.40	4.39	9.79
Corn Seed RR	thous	48.62						2.48	51.10		51.10
Atrazine 4L	pt	4.68						0.24	4.92		4.92
Dual II Magnum	pt	17.86						0.91	18.77		18.77
Fert Appl (Liquid)	8R-38		1.77	1.02	1.78			0.20	4.77	3.26	8.03
UAN (32% N)	cwt	22.50						0.98	23.48		23.48
Fert Appl (Liquid)	8R-38		1.77	1.02	1.78			0.17	4.74	3.26	8.00
UAN (32% N)	cwt	39.38						1.44	40.82		40.82
Sprayer(600-750Gal)	60'		0.11	0.03	0.11			0.01	0.26	0.26	0.52
Accent SP	oz	5.29						0.19	5.48		5.48
App by Air (3 gal)	appl	3.50						0.10	3.60		3.60
Intrepid 2F	oz	7.72						0.23	7.95		7.95
Header - Corn	8R-38		3.33	3.08	1.96			0.06	8.43	11.62	20.05
Corn Grain Cart 8R38	700bu		0.57	0.24	0.49			0.01	1.31	1.05	2.36
Haul Corn	bu	27.00						0.20	27.20		27.20
Stalk Shredder	20'		1.88	2.07	1.60			0.04	5.59	3.71	9.30
TOTALS		239.73	19.90	11.50	17.53	0.00	14.13	302.79	43.06	345.85	

Note: Cost of production estimates are based on 2007 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, 2008

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	514.35
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	3.50	0.00	0.00	0.00
FERTILIZERS	28.18	0.00	0.00	0.00	0.00	0.00	22.50	39.38	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.50	22.54	0.00	5.29	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	48.62	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00
CUSTOM LIME	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	6.14	0.00	0.00	0.00	0.00	3.67	1.78	1.89	0.00	0.00	0.00	4.05
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	6.85	0.00	0.00	0.00	0.00	3.62	1.77	1.88	0.00	0.00	0.00	5.78
REPAIR & MAINTENANCE	2.40	0.00	0.00	0.00	0.00	1.64	1.02	1.05	0.00	0.00	0.00	5.39
INTEREST ON OP. CAP.	5.55	0.00	0.00	0.00	0.87	4.08	1.18	1.81	0.33	0.00	0.00	0.31
TOTAL DIRECT EXPENSES	69.12	0.00	0.00	0.00	15.87	84.17	28.25	51.30	11.55	0.00	0.00	42.53
NET INCOME	-69.12	0.00	0.00	0.00	-15.87	-84.17	-28.25	-51.30	-11.55	0.00	0.00	471.82
NET INCOME TO DATE	-69.12	-69.12	-69.12	-69.12	-84.99	-169.16	-197.41	-248.71	-260.26	-260.26	-260.26	211.56

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 4.F Estimated returns for various price/yield combinations, per acre
 Corn, conventional tillage, RR seed, 8-row 38
 135 bu yield goal, non-irrigated, Delta Area, Mississippi, 2008

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
			-----PRODUCT PRICE-----										
Corn			2.85	3.04	3.23	3.42	3.61	3.81	4.00	4.19	4.38	4.57	4.76
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-96	-83	-70	-57	-44	-32	-19	-6	6	19	32
			-139	-126	-113	-100	-87	-75	-62	-49	-36	-23	-10
60	81.00	bu	-60	-45	-29	-14	1	16	32	47	62	78	93
			-103	-88	-72	-57	-41	-26	-10	4	19	35	50
70	94.50	bu	-24	-6	11	29	47	65	83	101	119	137	155
			-67	-49	-31	-13	4	22	40	58	76	94	112
80	108.00	bu	11	31	52	72	93	114	134	155	175	196	217
			-31	-11	9	29	50	71	91	112	132	153	173
90	121.50	bu	47	70	93	116	139	162	185	209	232	255	278
			4	27	50	73	96	119	142	166	189	212	235
100	135.00	bu	82	108	134	160	185	211	237	262	288	314	340
			39	65	91	117	142	168	194	219	245	271	297
110	148.50	bu	118	147	175	203	231	260	288	316	345	373	401
			75	104	132	160	188	217	245	273	302	330	358
120	162.00	bu	154	185	216	247	278	308	339	370	401	432	463
			111	142	173	204	235	265	296	327	358	389	420
130	175.50	bu	190	223	257	290	324	357	391	424	458	491	524
			147	180	214	247	281	314	348	381	414	448	481
140	189.00	bu	226	262	298	334	370	406	442	478	514	550	586
			183	219	255	291	327	363	399	435	471	507	543
150	202.50	bu	262	300	339	377	416	455	493	532	570	609	648
			219	257	296	334	373	412	450	489	527	566	604

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2007 input prices.

Table 5.A Estimated costs per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	1.0000	4.50	_____
App by Air (3 gal)	appl	3.50	1.0000	3.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.0870	17.39	_____
Potash (60% K2O)	cwt	13.00	0.8300	10.79	_____
UAN (32% N)	cwt	12.00	5.1565	61.88	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	2.0000	4.70	_____
Clarity	pt	11.60	0.5000	5.80	_____
Atrazine 4L	pt	1.17	4.0000	4.68	_____
Dual Magnum	pt	12.64	1.3300	16.81	_____
Gramoxone Inteon	oz	0.23	48.0000	11.04	_____
Steadfast	oz	22.36	0.3750	8.39	_____
INSECTICIDES					
Intrepid 2F	oz	1.93	4.0000	7.72	_____
SEED/PLANTS					
Corn Seed RR	thous	1.87	28.0000	52.36	_____
ADJUVANTS					
Surfactant	pt	1.55	0.4000	0.62	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.7203	7.36	_____
Harvesters	hour	10.21	0.1277	1.30	_____
HAND LABOR					
Implements	hour	7.31	0.2559	1.87	_____
UNALLOCATED LABOR	hour	10.19	0.7632	7.78	_____
DIESEL FUEL					
Tractors	gal	2.33	6.3037	14.68	_____
Harvesters	gal	2.33	1.5772	3.67	_____
REPAIR & MAINTENANCE					
Implements	acre	7.67	1.0000	7.67	_____
Tractors	acre	2.55	1.0000	2.55	_____
Harvesters	acre	2.15	1.0000	2.15	_____
INTEREST ON OP. CAP.	acre	14.84	1.0000	14.84	_____
TOTAL DIRECT EXPENSES				321.05	_____
FIXED EXPENSES					
Implements	acre	13.91	1.0000	13.91	_____
Tractors	acre	19.73	1.0000	19.73	_____
Harvesters	acre	10.29	1.0000	10.29	_____
TOTAL FIXED EXPENSES				43.93	_____
TOTAL SPECIFIED EXPENSES				364.98	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Table 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, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.81	135.0000	514.35	_____

TOTAL INCOME				514.35	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.00	1.0000	8.00	_____
FERTILIZERS	acre	90.06	1.0000	90.06	_____
HERBICIDES	acre	51.42	1.0000	51.42	_____
INSECTICIDES	acre	7.72	1.0000	7.72	_____
SEED/PLANTS	acre	52.36	1.0000	52.36	_____
ADJUVANTS	acre	0.62	1.0000	0.62	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.2559	1.87	_____
OPERATOR LABOR	hour	10.21	0.8481	8.66	_____
UNALLOCATED LABOR	hour	10.19	0.7632	7.78	_____
DIESEL FUEL	gal	2.33	7.8809	18.35	_____
REPAIR & MAINTENANCE	acre	12.37	1.0000	12.37	_____
INTEREST ON OP. CAP.	acre	14.84	1.0000	14.84	_____

TOTAL DIRECT EXPENSES				321.05	_____
RETURNS ABOVE DIRECT EXPENSES				193.30	_____
TOTAL FIXED EXPENSES				43.93	_____

TOTAL SPECIFIED EXPENSES				364.98	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				149.37	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Table 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, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Oct	0.5000				
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% K20)	cwt					0.8300				
Heavy Disk	21'	MFWD 170	0.097	1.00	Oct		0.09	0.09	0.09	0.08
Disk Bed (Hipper)	8R-30	MFWD 170	0.093	1.00	Oct		0.09	0.09	0.09	0.08
Roller	32'-12R30	MFWD 170	0.046	1.00	Oct		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate Plus 4L	pt					2.0000				
Clarity	pt					0.5000				
Plant & Pre-Rigid	8R-30	MFWD 170	0.101	1.00	Mar		0.10	0.10	0.20	0.09
Corn Seed RR	thous					28.0000				
Atrazine 4L	pt					4.0000				
Dual Magnum	pt					1.3300				
Gramoxone Inteon	oz					48.0000				
Surfactant	pt					0.4000				
Fert Appl (Liquid)	8R-30	MFWD 170	0.098	1.00	Apr		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					1.8750				
Fert Appl (Liquid)	8R-30	MFWD 170	0.098	1.00	May		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					3.2815				
Spray (Broadcast)	60'	MFWD 170	0.028	1.00	May		0.02	0.02	0.04	0.02
Steadfast	oz					0.3750				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-30	240hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Corn Grain Cart 8R30	500 bu	MFWD 170	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn	bu					135.0000				
Stalk Shredder	20'	MFWD 170	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.84	0.84	1.10	0.76

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

Table 5.D Estimated costs for field operations, per acre
 Corn, stale seedbed, RR seed , 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2008

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

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

Table 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, 2008

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

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 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, 2008

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

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2007 input prices.

Table 6.A Estimated costs per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	1.0000	4.50	_____
App by Air (3 gal)	appl	3.50	1.0000	3.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.0870	17.39	_____
Potash (60% K2O)	cwt	13.00	0.8300	10.79	_____
Fert 10-34-0	cwt	16.00	0.5000	8.00	_____
UAN (32% N)	cwt	12.00	5.0000	60.00	_____
HERBICIDES					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Clarity	pt	11.60	0.5000	5.80	_____
Lexar	pt	4.90	3.3000	16.17	_____
INSECTICIDES					
Intrepid 2F	oz	1.93	4.0000	7.72	_____
SEED/PLANTS					
Corn Seed BtRR	thous	2.01	28.0000	56.28	_____
HAULING					
Haul Corn	bu	0.20	135.0000	27.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.4231	4.32	_____
Harvesters	hour	10.21	0.1277	1.30	_____
HAND LABOR					
Implements	hour	7.31	0.2283	1.67	_____
UNALLOCATED LABOR	hour	10.20	0.4957	5.06	_____
DIESEL FUEL					
Tractors	gal	2.33	3.2673	7.61	_____
Harvesters	gal	2.33	1.5772	3.67	_____
REPAIR & MAINTENANCE					
Implements	acre	5.90	1.0000	5.90	_____
Tractors	acre	1.15	1.0000	1.15	_____
Harvesters	acre	2.15	1.0000	2.15	_____
INTEREST ON OP. CAP.	acre	12.35	1.0000	12.35	_____
TOTAL DIRECT EXPENSES				291.73	_____
FIXED EXPENSES					
Implements	acre	9.56	1.0000	9.56	_____
Tractors	acre	8.57	1.0000	8.57	_____
Harvesters	acre	10.29	1.0000	10.29	_____
TOTAL FIXED EXPENSES				28.42	_____
TOTAL SPECIFIED EXPENSES				320.15	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is 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, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	3.81	135.0000	514.35	_____

TOTAL INCOME				514.35	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	8.00	1.0000	8.00	_____
FERTILIZERS	acre	96.18	1.0000	96.18	_____
HERBICIDES	acre	31.37	1.0000	31.37	_____
INSECTICIDES	acre	7.72	1.0000	7.72	_____
SEED/PLANTS	acre	56.28	1.0000	56.28	_____
HAULING	acre	27.00	1.0000	27.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.2283	1.67	_____
OPERATOR LABOR	hour	10.21	0.5508	5.62	_____
UNALLOCATED LABOR	hour	10.20	0.4957	5.06	_____
DIESEL FUEL	gal	2.33	4.8445	11.28	_____
REPAIR & MAINTENANCE	acre	9.20	1.0000	9.20	_____
INTEREST ON OP. CAP.	acre	12.35	1.0000	12.35	_____

TOTAL DIRECT EXPENSES				291.73	_____
RETURNS ABOVE DIRECT EXPENSES				222.62	_____
TOTAL FIXED EXPENSES				28.42	_____

TOTAL SPECIFIED EXPENSES				320.15	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				194.20	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is 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, 2008

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

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is 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, 2008

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

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is 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, 2008

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

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is 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, 2008

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

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2007 input prices.

Table 7.A Estimated costs per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Custom Apply	acre	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	16.00	0.7600	12.16	_____
Potash (60% K2O)	cwt	13.00	0.5800	7.54	_____
UAN (32% N)	cwt	12.00	3.0690	36.83	_____
HERBICIDES					
Bicep II Magnum	qt	9.41	3.0000	28.23	_____
SEED/PLANTS					
Sorghum Concept	lb	1.40	6.0000	8.40	_____
HAULING					
Haul Sorghum	bu	0.20	100.0000	20.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.3434	3.51	_____
Harvesters	hour	10.21	0.1021	1.04	_____
HAND LABOR					
Implements	hour	7.31	0.1756	1.29	_____
UNALLOCATED LABOR	hour	10.22	0.4010	4.10	_____
DIESEL FUEL					
Tractors	gal	2.33	3.0053	7.00	_____
Harvesters	gal	2.33	1.4457	3.37	_____
REPAIR & MAINTENANCE					
Implements	acre	3.99	1.0000	3.99	_____
Tractors	acre	1.22	1.0000	1.22	_____
Harvesters	acre	2.03	1.0000	2.03	_____
INTEREST ON OP. CAP.	acre	6.47	1.0000	6.47	_____
TOTAL DIRECT EXPENSES				172.18	_____
FIXED EXPENSES					
Implements	acre	9.60	1.0000	9.60	_____
Tractors	acre	9.40	1.0000	9.40	_____
Harvesters	acre	9.70	1.0000	9.70	_____
TOTAL FIXED EXPENSES				28.70	_____
TOTAL SPECIFIED EXPENSES				200.88	_____

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

Table 7.B Summary of estimated costs and returns per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grain Sorghum	bu	3.32	100.0000	332.00	_____

TOTAL INCOME				332.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	5.00	1.0000	5.00	_____
FERTILIZERS	acre	56.53	1.0000	56.53	_____
HERBICIDES	acre	28.23	1.0000	28.23	_____
SEED/PLANTS	acre	8.40	1.0000	8.40	_____
HAULING	acre	20.00	1.0000	20.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.1756	1.29	_____
OPERATOR LABOR	hour	10.21	0.4456	4.55	_____
UNALLOCATED LABOR	hour	10.22	0.4010	4.10	_____
DIESEL FUEL	gal	2.33	4.4510	10.37	_____
REPAIR & MAINTENANCE	acre	7.24	1.0000	7.24	_____
INTEREST ON OP. CAP.	acre	6.47	1.0000	6.47	_____

TOTAL DIRECT EXPENSES				172.18	_____
RETURNS ABOVE DIRECT EXPENSES				159.82	_____
TOTAL FIXED EXPENSES				28.70	_____

TOTAL SPECIFIED EXPENSES				200.88	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				131.12	_____

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

Table 7.C Estimated resource use for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	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
Fert Appl (Liquid)	12R-30	MFWD 170	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN (32% N)	cwt					3.0690				
Custom Apply	acre			1.00	May	1.0000				
Bicep II Magnum	qt					3.0000				
Plant - Rigid	12R-20	MFWD 170	0.094	1.00	May		0.09	0.09	0.18	0.08
Sorghum Concept	lb					6.0000				
Header Wheat/Sorghum	25' Rigid	275hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Sorghum	bu					100.0000				
TOTALS							0.44	0.44	0.62	0.40

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

Table 7.D Estimated costs for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	20.00						1.75	21.75		21.75
Spin Spreader	5 ton		0.86	0.41	1.13			0.11	2.51	1.80	4.31
DAP	cwt	12.16						0.53	12.69		12.69
Potash (60% K20)	cwt	7.54						0.33	7.87		7.87
Disk Harrow	24'		1.67	0.90	1.59			0.18	4.34	3.86	8.20
Field Cultivate Fld	32'		0.95	0.50	0.91			0.10	2.46	3.02	5.48
Fert Appl (Liquid)	12R-30		1.60	1.14	1.81			0.17	4.72	3.35	8.07
UAN (32% N)	cwt	36.83						1.34	38.17		38.17
Custom Apply	acre	5.00						0.18	5.18		5.18
Bicep II Magnum	qt	28.23						1.03	29.26		29.26
Plant - Rigid	12R-20		1.92	1.75	2.52			0.23	6.42	6.01	12.43
Sorghum Concept	lb	8.40						0.31	8.71		8.71
Header Wheat/Sorghum	25' Rigid		3.37	2.54	1.98			0.06	7.95	10.66	18.61
Haul Sorghum	bu	20.00						0.15	20.15		20.15
TOTALS		138.16	10.37	7.24	9.94	0.00	6.47	172.18	28.70	200.88	

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

Table 7.E Estimated monthly income and expense flows per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2008

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

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 7.F Estimated returns for various price/yield combinations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2008

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

The top number in each cell is Returns Above Direct Expenses.
 The bottom number in each cell is Returns Above Total Specified Expenses.
 Only the product listed has been varied to calculate net returns.
 Note: Cost of production estimates are based on 2007 input prices.

Table 8.A Estimated costs per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	4.50	3.0000	13.50	_____
FERTILIZERS					
DAP	cwt	16.00	1.0000	16.00	_____
Potash (60% K2O)	cwt	13.00	0.7500	9.75	_____
Fert 41-0-0-4	cwt	21.25	2.8000	59.50	_____
FUNGICIDES					
Quilt	pt	15.06	0.8750	13.18	_____
HERBICIDES					
Osprey	oz	3.44	4.7500	16.34	_____
Harmony Extra XP	oz	14.83	0.6000	8.90	_____
SEED/PLANTS					
Wheat Seed Private	lb	0.27	90.0000	24.30	_____
ADJUVANTS					
Surfactant	pt	1.55	1.6000	2.48	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	5.00	2.8000	14.00	_____
HAULING					
Haul Wheat	bu	0.20	70.0000	14.00	_____
CUSTOM LIME					
Lime (Spread)	ton	40.00	0.5000	20.00	_____
OPERATOR LABOR					
Tractors	hour	10.21	0.2648	2.71	_____
Harvesters	hour	10.21	0.1021	1.04	_____
HAND LABOR					
Implements	hour	7.31	0.1363	1.00	_____
UNALLOCATED LABOR	hour	10.18	0.2936	2.99	_____
DIESEL FUEL					
Tractors	gal	2.33	2.3178	5.40	_____
Harvesters	gal	2.33	1.4457	3.37	_____
REPAIR & MAINTENANCE					
Implements	acre	2.85	1.0000	2.85	_____
Tractors	acre	0.94	1.0000	0.94	_____
Harvesters	acre	2.03	1.0000	2.03	_____
INTEREST ON OP. CAP.	acre	10.75	1.0000	10.75	_____
TOTAL DIRECT EXPENSES				245.04	_____
FIXED EXPENSES					
Implements	acre	7.73	1.0000	7.73	_____
Tractors	acre	7.25	1.0000	7.25	_____
Harvesters	acre	9.70	1.0000	9.70	_____
TOTAL FIXED EXPENSES				24.68	_____
TOTAL SPECIFIED EXPENSES				269.72	_____

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

Table 8.B Summary of estimated costs and returns per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	6.24	70.0000	436.80	_____

TOTAL INCOME				436.80	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	13.50	1.0000	13.50	_____
FERTILIZERS	acre	85.25	1.0000	85.25	_____
FUNGICIDES	acre	13.18	1.0000	13.18	_____
HERBICIDES	acre	25.24	1.0000	25.24	_____
SEED/PLANTS	acre	24.30	1.0000	24.30	_____
ADJUVANTS	acre	2.49	1.0000	2.49	_____
CUSTOM FERTILIZE	acre	14.00	1.0000	14.00	_____
HAULING	acre	14.00	1.0000	14.00	_____
CUSTOM LIME	acre	20.00	1.0000	20.00	_____
HAND LABOR	hour	7.31	0.1363	1.00	_____
OPERATOR LABOR	hour	10.21	0.3670	3.75	_____
UNALLOCATED LABOR	hour	10.18	0.2936	2.99	_____
DIESEL FUEL	gal	2.33	3.7635	8.77	_____
REPAIR & MAINTENANCE	acre	5.82	1.0000	5.82	_____
INTEREST ON OP. CAP.	acre	10.75	1.0000	10.75	_____

TOTAL DIRECT EXPENSES				245.04	_____
RETURNS ABOVE DIRECT EXPENSES				191.76	_____
TOTAL FIXED EXPENSES				24.68	_____

TOTAL SPECIFIED EXPENSES				269.72	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				167.08	_____

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

Table 8.C Estimated resource use for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2008

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

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

Table 8.D Estimated costs for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	20.00						1.46	21.46		21.46
Disk Harrow	24'		1.67	0.90	1.51			0.30	4.38	3.86	8.24
Spin Spreader	5 ton		0.86	0.41	1.08			0.17	2.52	1.80	4.32
DAP	cwt	16.00						1.17	17.17		17.17
Potash (60% K20)	cwt	9.75						0.71	10.46		10.46
Field Cultivate Fld	32'		0.95	0.50	0.86			0.17	2.48	3.02	5.50
Grain Drill	20'		1.92	1.47	2.42			0.38	6.19	5.34	11.53
Wheat Seed Private	lb	24.30						1.59	25.89		25.89
App by Air (5 gal)	appl	4.50						0.26	4.76		4.76
Osprey	oz	16.34						0.95	17.29		17.29
Surfactant	pt	2.33						0.14	2.47		2.47
App Fert by Air	cwt	7.00						0.26	7.26		7.26
Fert 41-0-0-4	cwt	29.75						1.08	30.83		30.83
App by Air (5 gal)	appl	4.50						0.16	4.66		4.66
Harmony Extra XP	oz	8.90						0.32	9.22		9.22
Surfactant	pt	0.16						0.01	0.17		0.17
App Fert by Air	cwt	7.00						0.20	7.20		7.20
Fert 41-0-0-4	cwt	29.75						0.87	30.62		30.62
App by Air (5 gal)	appl	4.50						0.10	4.60		4.60
Quilt	pt	13.18						0.29	13.47		13.47
Header Wheat/Sorghum	25' Rigid		3.37	2.54	1.87			0.06	7.84	10.66	18.50
Haul Wheat	bu	14.00						0.10	14.10		14.10
TOTALS		211.96	8.77	5.82	7.74	0.00	10.75	245.04	24.68	269.72	

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

Table 8.E Estimated monthly income and expense flows per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2008

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

Note: Cost of production estimates are based on 2007 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 8.F Estimated returns for various price/yield combinations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2008

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

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2007 input prices.

APPENDIX

Appendix Table 1. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Mississippi, 2008

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

Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

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

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

(continued)

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

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

(continued)

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

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Raptor	oz	4.13	Couraze 2F	pt	47.67
Rascal Plus	pt	1.38	Curacron 8E	pt	9.66
Reflex 2LC	pt	12.55	Decis 1.5EC	oz	2.84
Regiment 80WP	oz	35.00	Declare	pt	3.67
Remedy	pt	12.17	Delta Gold	pt	40.50
Resource .86EC	pt	21.24	Denim 0.16 EC	pt	26.81
Ricestar	pt	15.45	Di-Syston 15G	lb	3.35
Ricestar HT	pt	17.55	Di-Syston 8	pt	13.10
Rifel	pt	10.38	Diamond .83EC	pt	16.75
Roundup Original	pt	4.56	Dimethoate 4E	pt	4.69
Roundup Original Max	oz	0.27	Dimilin 2L	oz	1.64
Roundup Ultra MAX	pt	5.97	Dipel DF	lb	10.56
Roundup Ultra Dry	lb	6.14	Dipel ES	pt	4.04
Roundup WeatherMax	oz	0.35	Discipline 2 EC	oz	1.90
Scepter 70 DG	oz	2.97	Force 3G	lb	4.54
Select 2EC	oz	1.35	Furadan 4F	pt	9.13
Sencor 4F	pt	10.13	Gaucha 480	oz	7.30
Sencor DF	lb	14.81	Incidental Pest Trt	acre	12.00
Sequence	pt	6.38	Intrepid 2F	oz	1.93
Stalwart	pt	6.88	Intruder 70WSP	oz	8.00
Stam 4E	qt	5.12	Karate EC	oz	1.70
Stam 80 EDF	lb	4.81	Karate Z	oz	3.10
Stam M4	qt	5.98	Lannate LV	pt	7.10
Staple	oz	18.97	Lannate SP	oz	1.41
Staple LX	oz	6.83	Larvin 3.2	oz	0.48
Steadfast	oz	22.36	Leverage 2.7	oz	3.00
Storm	pt	9.50	Lorsban 15G	lb	1.58
Strongarm	oz	43.04	Lorsban 4E	pt	4.40
Superwham	qt	6.56	Malathion 5E	pt	3.18
Suprend	lb	10.17	Malathion 8E	pt	4.68
Surpass 20G	lb	2.36	Malathion ULV	pt	4.93
Surpass EC	qt	19.06	Methyl Parathion	pt	4.26
Synchrony XP	oz	6.08	Monitor 4	pt	13.16
Touchdown 4 IQ	pt	3.33	Mustang Max	oz	1.63
Touchdown HiTech	qt	8.06	Orthene 90S	lb	8.85
Touchdown Total	qt	8.68	Orthene 97	lb	11.81
Treflan 4L	pt	2.75	PennCap-M	pt	11.37
Treflan HFP	pt	2.35	Pounce 25WP	lb	10.48
Treflan TR-10	lb	0.79	Prolex	oz	3.48
Trifluralin 4EC	pt	2.23	Provado 1.6F	oz	3.42
Valor SX	oz	4.32	Sevin 80S	lb	5.90
Whip 360	pt	22.99	Sevin XLR Plus	qt	8.14
Zorial Rapid 80DF	lb	13.95	Spintor 2SC	oz	4.71
INOCULANT			Steward	pt	22.28
Innoculant (Liquid)	pt	10.34	Temik 15G Grit	lb	3.20
Nitragin S	oz	0.25	Temik 15G Gypsum	lb	3.33
So-Fast Sterile Peat	oz	0.80	Thimet 20-G Lock N L	lb	2.67
INSECT SCOUTING			Thionex 3 EC	pt	3.47
Insect Scouting	acre	7.00	Thionex 50W	lb	7.99
INSECTICIDES			Tracer	oz	6.38
Acephate 90%	lb	7.68	Trimax	oz	4.13
Acephate 90SP	lb	6.50	Vydate C-LV	oz	0.56
Admire 2	oz	4.78	Warrior ZT	oz	2.16
Ammo 2.5 EC	oz	0.65	Zephyr	oz	4.48
Asana .66 XL	oz	0.71	IRRIGATION SUPPLIES		
Aztec 2.1% G	lb	2.32	Roll-Out Pipe	ft	0.20
Baythroid 2	oz	2.88	SEED/PLANTS		
Bidrin 8L	oz	0.84	Corn Seed Bt	thous	1.96
Brigade EC	pt	28.25	Corn Seed BtRR	thous	2.01
Brigade WSB	lb	19.89	Corn Seed Conv.	thous	1.55
Capture 2EC	oz	2.59	Corn Seed RR	thous	1.87
Carbine	oz	4.10	Cotton Seed BtRR	thous	0.46
Centric 40WG	oz	5.04	Cotton Seed BtRRF	thous	0.50
Comite	pt	7.06	Cotton Seed Conv.	thous	0.39
Comite 1l	pt	8.46	Cotton Seed Liberty	thous	0.62
Confirm 2F	oz	1.48	Cotton Seed RR	thous	0.36
Counter 15G	lb	2.21	Cotton Seed RRF	thous	0.39
Counter CR	lb	2.86	Peanut Seed	lb	0.57
Couraze 1.6F	pt	33.33			

(continued)

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

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Rice Clearfield 161	lb	0.50	Survey & Mark Levees	acre	4.00
Rice Clearfield Hyb	lb	3.10	Survey & Mark Levees	acre	3.50
Rice Seed (Levees)	lb	0.26	TECHNOLOGY FEE		
Rice Seed CF(Levees)	lb	0.50	BG Cot Tech Fee	thous	0.28
Rice Seed CFH(Levee)	lb	3.10	BG Cot Tech Fee	cap/ac	19.50
Rice Seed Conv.	lb	0.26	BG II/RR Tech Fee	cap/ac	56.00
Sorghum Concept	lb	1.40	BG 11/RRF Tech Fee	thous	1.38
Sorghum Hybrid Sudax	lb	0.56	BG 11/RRF Tech Fee	cap/ac	64.00
Sorghum NonConcept	lb	1.18	BG/RR Cot Tech Fee	thous	1.09
Soybean Seed Private	lb	0.38	BG/RR Cot Tech Fee	cap/ac	49.00
Soybean Seed RR	lb	0.66	RR Cotton Tech Fee	thous	0.62
Soybean Seed Stack	lb	0.63	RR Cotton Tech Fee	cap/ac	29.00
Wheat Seed Private	lb	0.27	RRF Cotton Tech Fee	thous	0.88
SURVEY & MARK LEVEES			RRF Cotton Tech Fee	cap/ac	40.00

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

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

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

Item name	
LABOR TYPES	
	WAGE RATE (\$/HR)
OPERATOR LABOR	10.21
IRRIGATE LABOR	7.31
HAND LABOR	7.31
HAND. & STOR. LABOR	7.31
RICE MGT. LABOR	7.31
CROP ENTERPRISE	
	UNALLOCATED LABOR MULTIPLIERS (%)
Corn	90
Cotton	80
Grain Sorghum	90
Peanuts	80
Rice	90
Soybeans	90
Wheat	80

Appendix Table 7. Futures contract prices, basis levels, forward contract prices, and loan rates used in row crop budgets, Mississippi, 2008

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

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

^b The basis is computed by subtracting the 2001-2007 average near futures contract month closings in October from the daily spot cash prices reported in October.
Sources: Arkansas Farm Bureau Commodity Report and Daily Grain Report, Mississippi Department of Ag-USDA Market News.

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

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

^e Price used in the 2008 MAFES Planning Budgets.

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

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, 2008

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				0.22		0.01	0.23	0.23
Maintenance									
IRRIGATE LABOR	hour				0.87		0.04	0.91	0.91
Apply Water									
IRRIGATE LABOR	hour				0.12			0.12	0.12
Apply Water									
IRRIGATE LABOR	hour				0.16			0.16	0.16
Apply Water									
IRRIGATE LABOR	hour				0.12			0.12	0.12
Pivot, 1/4 CP	each			8.15			0.30	8.45	43.05
Well & Pump, 1/4 CP	each			2.40			0.09	2.49	9.77
Engine, 1/4 CP, 65	each								7.04
June Irr. 3app@.75"	ac-in		7.83	0.75			0.31	8.89	8.89
July Irr. 4app@.75"	ac-in		10.44	1.00			0.33	11.77	11.77
Aug Irr. 3app@.75"	ac-in		7.83	0.75			0.19	8.77	8.77

TOTALS		0.00	26.10	13.05	1.49	0.00	1.27	41.91	59.86

Note: Cost of production estimates are based on 2007 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, 2008

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'		0.86	0.19	0.39			0.13	1.57	1.27	2.84
Set Up Engine											
IRRIGATE LABOR	hour				0.18			0.01	0.19		0.19
Ditcher (1m/160a)			0.15	0.04	0.10			0.01	0.30	0.20	0.50
Roll-Out Pipe	ft	6.60						0.19	6.79		6.79
Lay Roll-out Pipe											
Pipe Spool 160ac	1/4m roll		0.19	0.05	0.31			0.02	0.57	0.57	1.14
IRRIGATE LABOR	hour				1.46			0.04	1.50		1.50
Apply Water											
IRRIGATE LABOR	hour				0.18			0.01	0.19		0.19
Apply Water											
IRRIGATE LABOR	hour				0.18			0.01	0.19		0.19
Apply Water											
IRRIGATE LABOR	hour				0.18			0.01	0.19		0.19
Apply Water											
IRRIGATE LABOR	hour				0.18				0.18		0.18
Pick Up Pipe											
Pipe Spool 160ac	1/4m roll		0.29	0.09	0.46			0.01	0.85	0.85	1.70
Land Forming (\$75)	each									7.33	7.33
Well & Pump, Furrow	each			2.03				0.06	2.09	8.24	10.33
Main Line Pipe	each									5.80	5.80
Engine, RPF, Corn	each									6.60	6.60
1st June Irrigation	ac-in		6.17	0.59				0.20	6.96		6.96
2nd June Irrigation	ac-in		6.17	0.59				0.20	6.96		6.96
3rd June Irrigation	ac-in		6.17	0.59				0.20	6.96		6.96
1st July Irrigation	ac-in		6.17	0.59				0.15	6.91		6.91
TOTALS		6.60	26.17	4.76	3.62	0.00		1.25	42.40	30.86	73.26

Note: Cost of production estimates are based on 2007 input prices.

Literature Cited

1. Agricultural Engineers Yearbook of Standards. American Society of Agricultural Engineers, St. Joseph, Michigan.
2. Boehlje, M.D. and V.R. Eidman. *Farm Management*. New York: John Wiley and Sons, 1984.
3. Bolton, Bill, J.B. Penn, Fred T. Cooke Jr., and Arthur M. Heagler. "Days Suitable for Fieldwork, Mississippi River Delta Cotton Area." D.A.E. Research Report No. 384, Louisiana State University, November 1968."
4. Budgets for Major Farm Enterprises in the Mississippi River Delta of Arkansas, Louisiana, and Mississippi." D.A.E. Circular No. 281, Department of Agricultural Economics and Agribusiness, Agricultural Experiment Station, Louisiana State University, June 1961
5. Caillavet, DeWitt F. "An Economic Assessment of Production Alternatives Resulting From Changes in the Machinery Complement of Representative Farms in the Delta Area of Mississippi." Master of Science Thesis, Department of Agricultural Economics, Mississippi State University, May 1984.
6. Cooke, Fred T. Jr., J.M. Anderson, and Arthur M. Heagler. "Crop Budgets and Planning Data for Major Farm Enterprises in the Yazoo-Mississippi Delta." Mississippi Agricultural and Forestry Experiment Station Bulletin 794, July 1972.
7. Cooke, Fred T. Jr., J.M. Anderson, D.W. Parvin Jr., A.M. Heagler, Kenneth Paxton, Shelby Holders Jr., and James G. Hamill. "Crop Budgets and Planning Data for Major Farm Enterprises in the Mississippi-Louisiana Delta, 1975." Mississippi Agricultural and Forestry Experiment Station Bulletin 834, May 1975.
8. "Corn, Grain Sorghum & Wheat 2007 Planning Budgets." Budget Report No. 2006-03, Department of Agricultural Economics, Mississippi State University, December 2006.
9. "Costs of Producing Selected Crops in the U.S., 1974." Senate Committee Project No. 63-092, Committee on Agriculture and Forestry, U.S. Senate, January 8, 1976.
10. "Cotton 2007 Planning Budgets." Budget Report No. 2006-01, Department of Agricultural Economics, Mississippi State University, December 2006.
11. Cox, Laura Rebecca. "Overhead Labor Cost in the Delta Area of Mississippi." Master of Science Thesis, Department of Agricultural Economics, Mississippi State University, October 1982.
12. "Forage 2007 Planning Budgets." Budget Report No. 2006-10, Department of Agricultural Economics, Mississippi State University, June 2007.
13. Laughlin, David H. and Robert K. Mehrle. "An Economic Evaluation: Straight Versus Contour Levee Rice Production Practices in Mississippi." Mississippi Agricultural and Forestry Experiment Station Bulletin 1063. December 1996.
14. Laughlin, David H. and Stan Spurlock. "User's Guide for the Mississippi State Budget Generator Version 6.0 for Windows." AEC Staff Report No. 2003-01, Department of Agricultural Economics, Mississippi State University, March 2003.
15. "Mississippi Agricultural Statistics." Mississippi Department of Agriculture and Commerce and Department of Agriculture, Mississippi Agriculture Statistical Service, Jackson, Mississippi.
16. "Rice 2007 Planning Budgets." Budget Report No. 2006-04, Department of Agricultural Economics, Mississippi State University, December 2006.
17. "Soybeans 2007 Planning Budgets." Budget Report No. 2006-02, Department of Agricultural Economics, Mississippi State University, December 2006.
18. "Vegetables 2007 Planning Budgets." Budget Report No. 2006-08, Department of Agricultural Economics, Mississippi State University, December 2006.
19. "Peanuts 2007 Planning Budgets." Budget Report No. 2006-09, Department of Agricultural Economics, Mississippi State University, December 2007.



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Vance H. Watson, Interim Director**

**College of Agriculture and Life Sciences
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