PEANUTS
2010
PLANNING BUDGETS

Mississippi State University
Department of Agricultural Economics
Budget Report 2009-8

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Foreword

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

Acknowledgments

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

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

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

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2010 Planning Budgets

Budgets for Agricultural Enterprises

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

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

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

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

Methods and Procedures

Production Practices

The production practices listed in each budget are the result of a combined effort by researchers and extension personnel to represent those practices that producers could use in a specific production system. Producers might use different practices in their own operations. If different types and quantities of operating inputs are to be used, then the budgeted expenses should be changed to more accurately reflect actual input usage.

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 generally accepted recommendations by committee members.

Machinery

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

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

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

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

Estimates of Direct Costs

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

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

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

where:

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

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

The labor wage rate per hour includes social security, accident and unemployment insurance, and some perquisites (11). Labor costs are estimated for four labor categories: operator labor, hand labor, irrigation labor, and unallocated labor. Operator labor and hand labor represent estimates of labor required to perform the in-field tasks. Operator labor is that labor required to operate all power-driven equipment. Irrigation labor is used to perform tasks associated with an irrigation system. Unallocated labor is an estimate of labor that is not used directly in producing the enterprise. Its cost is estimated as a percentage of operator labor (11). The percentages used for the various crop enterprises are listed in Appendix Table 6.

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

Estimates of Fixed Costs

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

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

where:

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

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

where:

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

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

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

$$CRCPA = CRCPH \times PR$$

where:

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

Estimates of Returns

It is difficult to estimate peanut yields that may be expected in a given year. Budget yields are tempered with unpublished research and judgments of the commodity committee. 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. The price used in the budgets is the higher of the loan rate or the best estimate of a contract price for the following growing season. Industry peanut buyers are polled to estimate a contract price.

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.

Net Returns

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

Irrigation Costs

Estimated costs of a ¼ mile center pivot irrigation system is presented in Appendix Table 8. 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.

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Enterprise Budgets

Table 1.A Estimated costs per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.4300	6.60	_____
Potash (60% K2O)	cwt	26.10	0.5200	13.57	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.45	54.0000	24.30	_____
Artisan	oz	0.76	64.0000	48.64	_____
Provost	oz	2.09	32.0000	66.88	_____
Bravo Ultrex	lb	8.82	2.8000	24.70	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
Dual II Magnum	pt	13.22	1.0000	13.22	_____
Storm	pt	11.07	3.0000	33.21	_____
Cadre	oz	5.07	2.4400	12.37	_____
Butoxone 200(2,4-DB)	pt	4.04	2.0000	8.08	_____
Poast Plus	pt	8.49	1.5000	12.74	_____
INSECTICIDES					
Phorate	lb	2.69	5.0000	13.45	_____
Karate Z	oz	3.28	1.5000	4.92	_____
SEED/PLANTS					
Peanut Seed	lb	0.86	110.0000	94.60	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	3.27	6.0000	19.62	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	1.0000	35.00	_____
INOCULANT					
Optimize LIFT	oz	0.56	14.8000	8.29	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.6246	18.25	_____
Self-Propelled	hour	11.23	0.2908	3.30	_____
HAND LABOR					
Implements	hour	9.06	0.1207	1.09	_____
Self-Propelled	hour	9.06	0.1454	1.32	_____
UNALLOCATED LABOR	hour	11.25	1.5324	17.24	_____
DIESEL FUEL					
Tractors	gal	2.22	17.5722	39.01	_____
Self-Propelled	gal	2.22	1.6470	3.63	_____
REPAIR & MAINTENANCE					
Implements	acre	9.58	1.0000	9.58	_____
Tractors	acre	7.25	1.0000	7.25	_____
Self-Propelled	acre	1.48	1.0000	1.48	_____
INTEREST ON OP. CAP.	acre	7.98	1.0000	7.98	_____

TOTAL DIRECT EXPENSES				650.85	_____
FIXED EXPENSES					
Implements	acre	38.15	1.0000	38.15	_____
Tractors	acre	50.17	1.0000	50.17	_____
Self-Propelled	acre	10.56	1.0000	10.56	_____

TOTAL FIXED EXPENSES				98.88	_____

TOTAL SPECIFIED EXPENSES				749.73	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 1.B Summary of estimated costs and returns per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	400.00	1.8000	720.00	_____
TOTAL INCOME				720.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	20.17	1.0000	20.17	_____
FUNGICIDES	acre	164.52	1.0000	164.52	_____
HERBICIDES	acre	93.59	1.0000	93.59	_____
INSECTICIDES	acre	18.37	1.0000	18.37	_____
SEED/PLANTS	acre	94.60	1.0000	94.60	_____
ADJUVANTS	acre	19.62	1.0000	19.62	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
CUSTOM LIME	acre	35.00	1.0000	35.00	_____
INOCULANT	acre	8.29	1.0000	8.29	_____
HAND LABOR	hour	9.06	0.2662	2.41	_____
OPERATOR LABOR	hour	11.23	1.9155	21.55	_____
UNALLOCATED LABOR	hour	11.25	1.5324	17.24	_____
DIESEL FUEL	gal	2.22	19.2193	42.64	_____
REPAIR & MAINTENANCE	acre	18.31	1.0000	18.31	_____
INTEREST ON OP. CAP.	acre	7.98	1.0000	7.98	_____
TOTAL DIRECT EXPENSES				650.85	_____
RETURNS ABOVE DIRECT EXPENSES				69.15	_____
TOTAL FIXED EXPENSES				98.88	_____
TOTAL SPECIFIED EXPENSES				749.73	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-29.73	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 1.C Estimated resource use for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Sprayer 300-450gal	60' 117hp		0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate 3lbs a.e.	pt					4.0000				
Lime (Spread)	ton			1.00	Apr	1.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
Phosphorus(46% P2O5)	cwt					0.4300				
Potash (60% K2O)	cwt					0.5200				
Rip/Bed/Till-Fold.	8R-38	MFWD 190	0.073	1.00	May		0.07	0.07	0.07	0.05
Peanut Plt&Pre Rigid	8R-38	MFWD 190	0.120	1.00	May		0.12	0.12	0.24	0.09
Peanut Seed	lb					110.0000				
Optimize LIFT	oz					14.8000				
Phorate	lb					5.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	May			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.0000				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Peanut Dig/Invertor	4R-38	MFWD 190	0.186	1.00	Sep		0.18	0.18	0.18	0.14
Peanut Harvester	4R-38	MFWD 225	0.934	1.00	Sep		0.93	0.93	0.93	0.74
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Dry Peanuts	ton			1.00	Sep	1.0800				
Cleaning Peanuts	ton			1.00	Sep	1.5300				
Haul Peanuts	ton			1.00	Sep	1.8000				
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TOTALS							1.91	1.62	2.18	1.53

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 1.D Estimated costs for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	DIRECT COST FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.02	0.77	0.64	1.41
Glyphosate 3lbs a.e.	pt	13.96					0.31	14.27		14.27
Lime (Spread)	ton	35.00					0.79	35.79		35.79
Custom Apply Fert	acre	7.00					0.16	7.16		7.16
Phosphorus(46% P2O5)	cwt	6.60					0.15	6.75		6.75
Potash (60% K2O)	cwt	13.57					0.31	13.88		13.88
Rip/Bed/Till-Fold.	8R-38		1.59	0.41	1.48		0.07	3.55	2.72	6.27
Peanut Plt&Pre Rigid	8R-38		2.62	1.79	3.53		0.15	8.09	6.14	14.23
Peanut Seed	lb	94.60					1.77	96.37		96.37
Optimize LIFT	oz	8.29					0.16	8.45		8.45
Phorate	lb	13.45					0.25	13.70		13.70
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Dual II Magnum	pt	13.22					0.25	13.47		13.47
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.15	8.25		8.25
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.12	8.22		8.22
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Storm	pt	16.61					0.25	16.86		16.86
Cadre	oz	5.07					0.08	5.15		5.15
Butoxone 200(2,4-DB)	pt	4.04					0.06	4.10		4.10
Crop Oil Conc.(Veg.)	pt	6.54					0.10	6.64		6.64
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.12	8.22		8.22
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Artisan	oz	24.32					0.27	24.59		24.59
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.19	16.91		16.91
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Storm	pt	16.61					0.19	16.80		16.80
Cadre	oz	7.30					0.08	7.38		7.38
Butoxone 200(2,4-DB)	pt	4.04					0.05	4.09		4.09
Crop Oil Conc.(Veg.)	pt	6.54					0.07	6.61		6.61
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Poast Plus	pt	12.74					0.14	12.88		12.88
Crop Oil Conc.(Veg.)	pt	6.54					0.07	6.61		6.61
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Bravo Ultrex	lb	12.35					0.14	12.49		12.49
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.19	16.91		16.91
Sprayer 300-450gal	60' 117hp		0.11	0.04	0.22			0.37	0.32	0.69
Karate Z	oz	4.92					0.04	4.96		4.96
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Artisan	oz	24.32					0.18	24.50		24.50
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.13	16.85		16.85
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Bravo Ultrex	lb	12.35					0.09	12.44		12.44
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.13	16.85		16.85
Peanut Dig/Invertor	4R-38		4.04	1.91	3.76		0.04	9.75	6.72	16.47
Peanut Harvester	4R-38		24.03	10.78	18.90		0.20	53.91	60.81	114.72
Peanut Dump Cart	6-Row		6.73	1.94	6.27		0.06	15.00	11.93	26.93
Dry Peanuts	ton	25.92					0.10	26.02		26.02
Cleaning Peanuts	ton	27.54					0.10	27.64		27.64
Haul Peanuts	ton	26.10					0.10	26.20		26.20
TOTALS		540.72	42.64	18.31	41.20	0.00	7.98	650.85	98.88	749.73

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 1.E Estimated monthly income and expense flows per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	720.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	20.17	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.10	16.20	70.11	70.11	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.96	13.22	25.72	40.69	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.00	0.00	4.92	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.60	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.54	13.08	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.29	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.44	5.89	1.32	2.64	1.98	28.93
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.22	4.65	0.66	1.32	0.99	34.80
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.38	0.27	0.54	0.40	14.63
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.74	2.82	0.76	1.45	0.61	0.60
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	78.62	153.40	51.47	129.83	79.01	158.52
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-78.62	-153.40	-51.47	-129.83	-79.01	561.48
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-78.62	-232.02	-283.49	-413.32	-492.33	69.15

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 1.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
All Areas, Mississippi, 2010

			PERCENT									
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			300.00	320.00	340.00	360.00	380.00	400.00	420.00	440.00	460.00	480.00	500.00
PERCENT	YIELD	UNIT	dollars										
50	0.90	ton	-340	-322	-304	-286	-268	-250	-232	-214	-196	-178	-160
			-439	-421	-403	-385	-367	-349	-331	-313	-295	-277	-259
60	1.08	ton	-294	-273	-251	-230	-208	-186	-165	-143	-122	-100	-78
			-393	-372	-350	-328	-307	-285	-264	-242	-220	-199	-177
70	1.26	ton	-248	-223	-198	-173	-148	-122	-97	-72	-47	-22	3
			-347	-322	-297	-272	-246	-221	-196	-171	-146	-120	-95
80	1.44	ton	-202	-174	-145	-116	-87	-58	-30	-1	27	56	85
			-301	-272	-244	-215	-186	-157	-128	-100	-71	-42	-13
90	1.62	ton	-156	-124	-92	-59	-27	5	37	69	102	134	167
			-255	-223	-190	-158	-126	-93	-61	-28	3	35	68
100	1.80	ton	-110	-74	-38	-2	33	69	105	141	177	213	249
			-209	-173	-137	-101	-65	-29	6	42	78	114	150
110	1.98	ton	-64	-25	14	53	93	133	172	212	251	291	331
			-163	-124	-84	-44	-5	34	73	113	153	192	232
120	2.16	ton	-18	24	67	110	153	197	240	283	326	369	413
			-117	-74	-31	11	55	98	141	184	227	271	314
130	2.34	ton	27	73	120	167	214	261	307	354	401	448	495
			-71	-24	21	68	115	162	209	255	302	349	396
140	2.52	ton	73	123	174	224	274	325	375	426	476	526	577
			-25	24	75	125	175	226	276	327	377	427	478
150	2.70	ton	119	173	227	281	335	389	443	497	551	605	659
			20	74	128	182	236	290	344	398	452	506	560

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

Table 2.A Estimated costs per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.4300	6.60	_____
Potash (60% K2O)	cwt	26.10	0.5200	13.57	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.45	54.0000	24.30	_____
Artisan	oz	0.76	48.0000	36.48	_____
Provost	oz	2.09	32.0000	66.88	_____
Bravo Ultrex	lb	8.82	2.8000	24.70	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
Dual II Magnum	pt	13.22	1.0000	13.22	_____
Storm	pt	11.07	3.0000	33.21	_____
Cadre	oz	5.07	2.4400	12.37	_____
Butoxone 200(2,4-DB)	pt	4.04	2.0000	8.08	_____
Poast Plus	pt	8.49	1.5000	12.74	_____
INSECTICIDES					
Phorate	lb	2.69	5.0000	13.45	_____
Karate Z	oz	3.28	1.5000	4.92	_____
SEED/PLANTS					
Peanut Seed	lb	0.86	110.0000	94.60	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	3.27	6.0000	19.62	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	1.0000	35.00	_____
INOCULANT					
Optimize LIFT	oz	0.56	14.8000	8.29	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.7225	19.35	_____
Self-Propelled	hour	11.23	0.2908	3.30	_____
HAND LABOR					
Implements	hour	9.06	0.1527	1.38	_____
Self-Propelled	hour	9.06	0.1454	1.32	_____
UNALLOCATED LABOR	hour	11.24	1.6107	18.12	_____
DIESEL FUEL					
Tractors	gal	2.22	18.5301	41.14	_____
Self-Propelled	gal	2.22	1.6470	3.63	_____
REPAIR & MAINTENANCE					
Implements	acre	10.35	1.0000	10.35	_____
Tractors	acre	7.65	1.0000	7.65	_____
Self-Propelled	acre	1.48	1.0000	1.48	_____
INTEREST ON OP. CAP.	acre	7.99	1.0000	7.99	_____

TOTAL DIRECT EXPENSES				644.27	_____
FIXED EXPENSES					
Implements	acre	40.00	1.0000	40.00	_____
Tractors	acre	52.88	1.0000	52.88	_____
Self-Propelled	acre	10.56	1.0000	10.56	_____

TOTAL FIXED EXPENSES				103.44	_____

TOTAL SPECIFIED EXPENSES				747.71	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 2.B Summary of estimated costs and returns per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	400.00	1.8000	720.00	_____
TOTAL INCOME				720.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	20.17	1.0000	20.17	_____
FUNGICIDES	acre	152.36	1.0000	152.36	_____
HERBICIDES	acre	93.59	1.0000	93.59	_____
INSECTICIDES	acre	18.37	1.0000	18.37	_____
SEED/PLANTS	acre	94.60	1.0000	94.60	_____
ADJUVANTS	acre	19.62	1.0000	19.62	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
CUSTOM LIME	acre	35.00	1.0000	35.00	_____
INOCULANT	acre	8.29	1.0000	8.29	_____
HAND LABOR	hour	9.06	0.2982	2.70	_____
OPERATOR LABOR	hour	11.23	2.0134	22.65	_____
UNALLOCATED LABOR	hour	11.24	1.6107	18.12	_____
DIESEL FUEL	gal	2.22	20.1771	44.77	_____
REPAIR & MAINTENANCE	acre	19.48	1.0000	19.48	_____
INTEREST ON OP. CAP.	acre	7.99	1.0000	7.99	_____
TOTAL DIRECT EXPENSES				644.27	_____
RETURNS ABOVE DIRECT EXPENSES				75.73	_____
TOTAL FIXED EXPENSES				103.44	_____
TOTAL SPECIFIED EXPENSES				747.71	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-27.71	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 2.C Estimated resource use for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							---hours---			
Sprayer 300-450gal	60' 117hp		0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate 3lbs a.e.	pt					4.0000				
Lime (Spread)	ton			1.00	Apr	1.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
Phosphorus(46% P2O5)	cwt					0.4300				
Potash (60% K2O)	cwt					0.5200				
Rip/Bed/Till-Rigid	8R-30	MFWD 190	0.139	1.00	May		0.13	0.13	0.13	0.11
Peanut Plt&Pre Rigid	8R-30	MFWD 190	0.152	1.00	May		0.15	0.15	0.30	0.12
Peanut Seed	lb					110.0000				
Optimize LIFT	oz					14.8000				
Phorate	lb					5.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	May			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.0000				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Artisan	oz					16.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Peanut Dig/Invertor	4R-38	MFWD 190	0.186	1.00	Sep		0.18	0.18	0.18	0.14
Peanut Harvester	4R-38	MFWD 225	0.934	1.00	Sep		0.93	0.93	0.93	0.74
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Dry Peanuts	ton			1.00	Sep	1.0800				
Cleaning Peanuts	ton			1.00	Sep	1.5300				
Haul Peanuts	ton			1.00	Sep	1.8000				
							-------	-------	-------	-------
TOTALS							2.01	1.72	2.31	1.61

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 2.D Estimated costs for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	DIRECT COST FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.02	0.77	0.64	1.41
Glyphosate 3lbs a.e.	pt	13.96					0.31	14.27		14.27
Lime (Spread)	ton	35.00					0.79	35.79		35.79
Custom Apply Fert	acre	7.00					0.16	7.16		7.16
Phosphorus(46% P2O5)	cwt	6.60					0.15	6.75		6.75
Potash (60% K2O)	cwt	13.57					0.31	13.88		13.88
Rip/Bed/Till-Rigid	8R-30		3.02	0.75	2.81		0.12	6.70	4.92	11.62
Peanut Plt&Pre Rigid	8R-30		3.32	2.62	4.47		0.20	10.61	8.50	19.11
Peanut Seed	lb	94.60					1.77	96.37		96.37
Optimize LIFT	oz	8.29					0.16	8.45		8.45
Phorate	lb	13.45					0.25	13.70		13.70
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Dual II Magnum	pt	13.22					0.25	13.47		13.47
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.15	8.25		8.25
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.12	8.22		8.22
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Storm	pt	16.61					0.25	16.86		16.86
Cadre	oz	5.07					0.08	5.15		5.15
Butoxone 200(2,4-DB)	pt	4.04					0.06	4.10		4.10
Crop Oil Conc.(Veg.)	pt	6.54					0.10	6.64		6.64
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.12	8.22		8.22
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Artisan	oz	24.32					0.27	24.59		24.59
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.19	16.91		16.91
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Storm	pt	16.61					0.19	16.80		16.80
Cadre	oz	7.30					0.08	7.38		7.38
Butoxone 200(2,4-DB)	pt	4.04					0.05	4.09		4.09
Crop Oil Conc.(Veg.)	pt	6.54					0.07	6.61		6.61
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Poast Plus	pt	12.74					0.14	12.88		12.88
Crop Oil Conc.(Veg.)	pt	6.54					0.07	6.61		6.61
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Bravo Ultrex	lb	12.35					0.14	12.49		12.49
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.19	16.91		16.91
Sprayer 300-450gal	60' 117hp		0.11	0.04	0.22			0.37	0.32	0.69
Karate Z	oz	4.92					0.04	4.96		4.96
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Artisan	oz	12.16					0.09	12.25		12.25
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.13	16.85		16.85
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Bravo Ultrex	lb	12.35					0.09	12.44		12.44
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.13	16.85		16.85
Peanut Dig/Invertor	4R-38		4.04	1.91	3.76		0.04	9.75	6.72	16.47
Peanut Harvester	4R-38		24.03	10.78	18.90		0.20	53.91	60.81	114.72
Peanut Dump Cart	6-Row		6.73	1.94	6.27		0.06	15.00	11.93	26.93
Dry Peanuts	ton	25.92					0.10	26.02		26.02
Cleaning Peanuts	ton	27.54					0.10	27.64		27.64
Haul Peanuts	ton	26.10					0.10	26.20		26.20
TOTALS		528.56	44.77	19.48	43.47	0.00	7.99	644.27	103.44	747.71

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 2.E Estimated monthly income and expense flows per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	720.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	20.17	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.10	16.20	70.11	57.95	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.96	13.22	25.72	40.69	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.00	0.00	4.92	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.60	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.54	13.08	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.29	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.44	8.16	1.32	2.64	1.98	28.93
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.22	6.78	0.66	1.32	0.99	34.80
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.09	3.55	0.27	0.54	0.40	14.63
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.74	2.92	0.76	1.45	0.52	0.60
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	78.62	159.07	51.47	129.83	66.76	158.52
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-78.62	-159.07	-51.47	-129.83	-66.76	561.48
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-78.62	-237.69	-289.16	-418.99	-485.75	75.73

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 2.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
All Areas, Mississippi, 2010

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			300.00	320.00	340.00	360.00	380.00	400.00	420.00	440.00	460.00	480.00	500.00
PERCENT	YIELD	UNIT	dollars										
50	0.90	ton	-334	-316	-298	-280	-262	-244	-226	-208	-190	-172	-154
			-437	-419	-401	-383	-365	-347	-329	-311	-293	-275	-257
60	1.08	ton	-288	-266	-245	-223	-201	-180	-158	-137	-115	-93	-72
			-391	-370	-348	-326	-305	-283	-262	-240	-218	-197	-175
70	1.26	ton	-242	-217	-191	-166	-141	-116	-91	-65	-40	-15	9
			-345	-320	-295	-270	-244	-219	-194	-169	-144	-118	-93
80	1.44	ton	-196	-167	-138	-109	-81	-52	-23	5	34	62	91
			-299	-270	-242	-213	-184	-155	-126	-98	-69	-40	-11
90	1.62	ton	-150	-117	-85	-53	-20	11	44	76	108	141	173
			-253	-221	-188	-156	-124	-91	-59	-26	5	37	70
100	1.80	ton	-104	-68	-32	3	39	75	111	147	183	219	255
			-207	-171	-135	-99	-63	-27	8	44	80	116	152
110	1.98	ton	-58	-18	20	60	100	139	179	218	258	298	337
			-161	-122	-82	-42	-3	36	75	115	155	194	234
120	2.16	ton	-12	30	74	117	160	203	246	290	333	376	419
			-115	-72	-29	13	57	100	143	186	229	273	316
130	2.34	ton	33	80	127	174	220	267	314	361	408	454	501
			-69	-22	23	70	117	164	211	257	304	351	398
140	2.52	ton	79	130	180	230	281	331	382	432	482	533	583
			-23	26	77	127	177	228	278	329	379	429	480
150	2.70	ton	125	179	233	287	341	395	449	503	557	611	665
			22	76	130	184	238	292	346	400	454	508	562

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

Table 3.A Estimated costs per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	15.35	0.4300	6.60	_____
Potash (60% K2O)	cwt	26.10	0.5200	13.57	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.45	54.0000	24.30	_____
Artisan	oz	0.76	64.0000	48.64	_____
Provost	oz	2.09	32.0000	66.88	_____
Bravo Ultrex	lb	8.82	2.8000	24.70	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	3.49	4.0000	13.96	_____
Dual II Magnum	pt	13.22	1.0000	13.22	_____
Storm	pt	11.07	3.0000	33.21	_____
Cadre	oz	5.07	2.4400	12.37	_____
Butoxone 200(2,4-DB)	pt	4.04	2.0000	8.08	_____
Poast Plus	pt	8.49	1.5000	12.74	_____
INSECTICIDES					
Phorate	lb	2.69	5.0000	13.45	_____
Karate Z	oz	3.28	1.5000	4.92	_____
SEED/PLANTS					
Peanut Seed	lb	0.86	110.0000	94.60	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	3.27	6.0000	19.62	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.00	1.0000	7.00	_____
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
CUSTOM LIME					
Lime (Spread)	ton	35.00	1.0000	35.00	_____
INOCULANT					
Optimize LIFT	oz	0.56	14.8000	8.29	_____
OPERATOR LABOR					
Tractors	hour	11.23	1.1856	13.31	_____
Self-Propelled	hour	11.23	0.2908	3.30	_____
HAND LABOR					
Implements	hour	9.06	0.0804	0.73	_____
Self-Propelled	hour	9.06	0.1454	1.32	_____
UNALLOCATED LABOR	hour	11.25	1.1812	13.30	_____
DIESEL FUEL					
Tractors	gal	2.22	12.8051	28.43	_____
Self-Propelled	gal	2.22	1.6470	3.63	_____
REPAIR & MAINTENANCE					
Implements	acre	7.53	1.0000	7.53	_____
Tractors	acre	5.28	1.0000	5.28	_____
Self-Propelled	acre	1.48	1.0000	1.48	_____
INTEREST ON OP. CAP.	acre	7.85	1.0000	7.85	_____

TOTAL DIRECT EXPENSES				626.88	_____
FIXED EXPENSES					
Implements	acre	32.07	1.0000	32.07	_____
Tractors	acre	36.55	1.0000	36.55	_____
Self-Propelled	acre	10.56	1.0000	10.56	_____

TOTAL FIXED EXPENSES				79.18	_____

TOTAL SPECIFIED EXPENSES				706.06	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 3.B Summary of estimated costs and returns per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2010

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	400.00	1.8000	720.00	_____
TOTAL INCOME				720.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	20.17	1.0000	20.17	_____
FUNGICIDES	acre	164.52	1.0000	164.52	_____
HERBICIDES	acre	93.59	1.0000	93.59	_____
INSECTICIDES	acre	18.37	1.0000	18.37	_____
SEED/PLANTS	acre	94.60	1.0000	94.60	_____
ADJUVANTS	acre	19.62	1.0000	19.62	_____
CUSTOM FERTILIZE	acre	7.00	1.0000	7.00	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
CUSTOM LIME	acre	35.00	1.0000	35.00	_____
INOCULANT	acre	8.29	1.0000	8.29	_____
HAND LABOR	hour	9.06	0.2258	2.05	_____
OPERATOR LABOR	hour	11.23	1.4765	16.61	_____
UNALLOCATED LABOR	hour	11.25	1.1812	13.30	_____
DIESEL FUEL	gal	2.22	14.4521	32.06	_____
REPAIR & MAINTENANCE	acre	14.29	1.0000	14.29	_____
INTEREST ON OP. CAP.	acre	7.85	1.0000	7.85	_____
TOTAL DIRECT EXPENSES				626.88	_____
RETURNS ABOVE DIRECT EXPENSES				93.12	_____
TOTAL FIXED EXPENSES				79.18	_____
TOTAL SPECIFIED EXPENSES				706.06	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				13.94	_____

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 3.C Estimated resource use for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----------hours----------			
Sprayer 300-450gal	60' 117hp		0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate 3lbs a.e.	pt					4.0000				
Lime (Spread)	ton			1.00	Apr	1.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
Phosphorus(46% P2O5)	cwt					0.4300				
Potash (60% K2O)	cwt					0.5200				
Rip/Bed/Till-Fold.	12R-38	MFWD 225	0.046	1.00	May		0.04	0.04	0.04	0.03
Peanut Plt&Pre Fold.	12R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Peanut Seed	lb					110.0000				
Optimize LIFT	oz					14.8000				
Phorate	lb					5.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	May			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.4400				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.0000				
Butoxone 200(2,4-DB)	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 117hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Peanut Dig/Invertor	6R-38	MFWD 190	0.124	1.00	Sep		0.12	0.12	0.12	0.09
Peanut Harvester	6R-38	MFWD 225	0.625	1.00	Sep		0.62	0.62	0.62	0.50
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Dry Peanuts	ton			1.00	Sep	1.0800				
Cleaning Peanuts	ton			1.00	Sep	1.5300				
Haul Peanuts	ton			1.00	Sep	1.8000				
							-------	-------	-------	-------
TOTALS							1.47	1.18	1.70	1.18

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 3.D Estimated costs for field operations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2010

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	DIRECT COST FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.02	0.77	0.64	1.41
Glyphosate 3lbs a.e.	pt	13.96					0.31	14.27		14.27
Lime (Spread)	ton	35.00					0.79	35.79		35.79
Custom Apply Fert	acre	7.00					0.16	7.16		7.16
Phosphorus(46% P2O5)	cwt	6.60					0.15	6.75		6.75
Potash (60% K2O)	cwt	13.57					0.31	13.88		13.88
Rip/Bed/Till-Fold.	12R-38		1.19	0.33	0.94		0.05	2.51	2.14	4.65
Peanut Plt&Pre Fold.	12R-38		1.75	2.16	2.35		0.12	6.38	6.15	12.53
Peanut Seed	lb	94.60					1.77	96.37		96.37
Optimize LIFT	oz	8.29					0.16	8.45		8.45
Phorate	lb	13.45					0.25	13.70		13.70
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Dual II Magnum	pt	13.22					0.25	13.47		13.47
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.15	8.25		8.25
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.12	8.22		8.22
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Storm	pt	16.61					0.25	16.86		16.86
Cadre	oz	7.30					0.11	7.41		7.41
Butoxone 200(2,4-DB)	pt	4.04					0.06	4.10		4.10
Crop Oil Conc.(Veg.)	pt	6.54					0.10	6.64		6.64
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Tilt/ Bravo SE	oz	8.10					0.12	8.22		8.22
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Artisan	oz	24.32					0.27	24.59		24.59
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.19	16.91		16.91
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Storm	pt	16.61					0.19	16.80		16.80
Cadre	oz	5.07					0.06	5.13		5.13
Butoxone 200(2,4-DB)	pt	4.04					0.05	4.09		4.09
Crop Oil Conc.(Veg.)	pt	6.54					0.07	6.61		6.61
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Poast Plus	pt	12.74					0.14	12.88		12.88
Crop Oil Conc.(Veg.)	pt	6.54					0.07	6.61		6.61
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Bravo Ultrex	lb	12.35					0.14	12.49		12.49
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.19	16.91		16.91
Sprayer 300-450gal	60' 117hp		0.11	0.04	0.22			0.37	0.32	0.69
Karate Z	oz	4.92					0.04	4.96		4.96
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Artisan	oz	24.32					0.18	24.50		24.50
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.13	16.85		16.85
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Bravo Ultrex	lb	12.35					0.09	12.44		12.44
Sprayer 300-450gal	60' 117hp		0.22	0.09	0.44		0.01	0.76	0.64	1.40
Provost	oz	16.72					0.13	16.85		16.85
Peanut Dig/Invertor	6R-38		2.69	1.28	2.50		0.02	6.49	4.92	11.41
Peanut Harvester	6R-38		16.07	7.10	12.64		0.13	35.94	43.48	79.42
Peanut Dump Cart	6-Row		6.73	1.94	6.27		0.06	15.00	11.93	26.93
Dry Peanuts	ton	25.92					0.10	26.02		26.02
Cleaning Peanuts	ton	27.54					0.10	27.64		27.64
Haul Peanuts	ton	26.10					0.10	26.20		26.20
TOTALS		540.72	32.06	14.29	31.96	0.00	7.85	626.88	79.18	706.06

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.

Table 3.E Estimated monthly income and expense flows per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2010

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	720.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	20.17	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.10	16.20	70.11	70.11	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.96	13.22	27.95	38.46	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.00	0.00	4.92	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.60	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.54	13.08	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.29	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.44	4.17	1.32	2.64	1.98	21.41
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.22	3.38	0.66	1.32	0.99	25.49
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.67	0.27	0.54	0.40	10.32
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.74	2.77	0.79	1.43	0.61	0.51
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	78.62	150.65	53.73	127.58	79.01	137.29
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-78.62	-150.65	-53.73	-127.58	-79.01	582.71
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-78.62	-229.27	-283.00	-410.58	-489.59	93.12

Note: Cost of production estimates are based on 2009 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
60% of all peanuts harvested need drying.
85% of all peanuts harvested need cleaning.
* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
All Areas, Mississippi, 2010

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Peanut Runner			300.00	320.00	340.00	360.00	380.00	400.00	420.00	440.00	460.00	480.00	500.00
PERCENT	YIELD	UNIT	dollars										
50	0.90	ton	-316	-298	-280	-262	-244	-226	-208	-190	-172	-154	-136
			-396	-378	-360	-342	-324	-306	-288	-270	-252	-234	-216
60	1.08	ton	-270	-249	-227	-206	-184	-162	-141	-119	-98	-76	-54
			-350	-328	-306	-285	-263	-242	-220	-198	-177	-155	-134
70	1.26	ton	-224	-199	-174	-149	-124	-98	-73	-48	-23	1	27
			-304	-278	-253	-228	-203	-178	-152	-127	-102	-77	-52
80	1.44	ton	-178	-150	-121	-92	-63	-34	-6	22	51	80	109
			-258	-229	-200	-171	-142	-114	-85	-56	-27	1	29
90	1.62	ton	-132	-100	-68	-35	-3	29	61	93	126	158	191
			-212	-179	-147	-114	-82	-50	-17	14	47	79	111
100	1.80	ton	-86	-50	-14	21	57	93	129	165	201	237	273
			-166	-130	-94	-58	-22	13	49	85	121	157	193
110	1.98	ton	-40	-1	38	77	117	157	196	236	275	315	355
			-120	-80	-40	-1	38	77	117	157	196	236	275
120	2.16	ton	5	48	91	134	177	221	264	307	350	393	437
			-74	-30	12	55	98	141	185	228	271	314	357
130	2.34	ton	51	97	144	191	238	285	331	378	425	472	519
			-28	18	65	112	159	205	252	299	346	393	439
140	2.52	ton	97	147	197	248	298	349	399	449	500	550	601
			17	68	118	169	219	269	320	370	421	471	521
150	2.70	ton	143	197	251	305	359	413	467	521	575	629	683
			64	118	172	226	280	334	388	442	496	550	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 2009 input prices.

APPENDIX

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

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

Notes:
Labor: Includes allocated labor from power unit.
Total Direct: Does not include interest on operating capital.
CB = Cab, RB = Roll Bar

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

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

Notes:
Labor: includes allocated labor plus any additional labor from self-propelled machine.
Direct: Does not include interest on operating capital.
BB = Boll Buggy, Tr = Trailer

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Bed/Cond./Roll-Fold.	21'	MFWD 190	15,239	160	10	0.089	1.00	1.93	0.34	0.35	3.63	0.99	2.47	7.10
Bed/Cond./Roll-Fold.	26'	MFWD 190	22,644	160	10	0.072	0.80	1.56	0.40	0.28	3.07	1.19	1.99	6.26
Bed/Cond./Roll-Fold.	30'	MFWD 190	29,435	160	10	0.062	0.70	1.35	0.45	0.25	2.76	1.34	1.73	5.84
Bed/Cond./Roll-Fold.	40'	MFWD 225	32,537	160	10	0.046	0.52	1.20	0.38	0.22	2.33	1.11	1.55	5.00
Bed/Cond./Roll-Rigid	21'	MFWD 190	18,093	160	10	0.089	1.00	1.93	0.40	0.35	3.70	1.18	2.47	7.35
Bed/Cond./Roll-Rigid	26'	MFWD 190	19,057	160	10	0.072	0.80	1.56	0.34	0.28	3.00	1.00	1.99	6.01
Bed/Cond./Roll-Rigid	30'	MFWD 190	17,288	160	10	0.062	0.70	1.35	0.27	0.25	2.57	0.78	1.73	5.10
Bed/Cond./Roll-Rigid	40'	MFWD 225	22,543	160	10	0.046	0.52	1.20	0.26	0.22	2.22	0.77	1.55	4.54
Bedder Roller Fold.	8R-38	MFWD 190	25,495	160	10	0.074	0.83	1.60	0.47	0.29	3.21	1.38	2.05	6.64
Bedder Roller Fold.	12R-30	MFWD 225	27,495	160	10	0.062	0.70	1.60	0.42	0.30	3.03	1.25	2.07	6.36
Bedder Roller-Fold.	12R-38	MFWD 225	29,995	160	10	0.049	0.55	1.26	0.36	0.23	2.42	1.08	1.63	5.14
Bedder Roller-Fold.	16R-30	MFWD 225	31,295	160	10	0.046	0.52	1.20	0.36	0.22	2.32	1.07	1.55	4.95
Bedder Roller-Rigid	8R-38	MFWD 190	18,995	160	10	0.074	0.83	1.60	0.35	0.29	3.09	1.02	2.05	6.17
Blade-Box	6'-7'	2WD 130	1,583	200	20	0.020	0.22	0.29	0.01	0.05	0.58	0.01	0.34	0.95
Blade-Box	8'-10'	2WD 50	4,439	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Box	12'-16'	2WD 50	6,172	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	6'-7'	2WD 50	1,157	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	8'-10'	2WD 50	3,069	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	12'-16'	2WD 50	5,934	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boll Buggy-1st pick	4R-30(250)	MFWD 190	25,530	200	10	0.327	3.67	7.10	2.08	1.31	14.18	4.72	9.07	27.99
Boll Buggy-1st pick	4R-30(325)	MFWD 190	25,530	200	10	0.327	3.67	7.10	2.08	1.31	14.18	4.72	9.07	27.99
Boll Buggy-1st pick	4R-38(255)	MFWD 190	25,530	200	10	0.257	2.89	5.59	1.64	1.03	11.17	3.72	7.14	22.04
Boll Buggy-1st pick	4R-38(325)	MFWD 190	25,530	200	10	0.257	2.89	5.59	1.64	1.03	11.17	3.72	7.14	22.04
Boll Buggy-1st pick	4R2x1(350)	MFWD 190	25,530	200	10	0.172	1.93	3.74	1.09	0.69	7.46	2.48	4.77	14.73
Boll Buggy-1st pick	5R-30(255)	MFWD 190	25,530	200	10	0.261	2.94	5.68	1.67	1.05	11.35	3.78	7.26	22.39
Boll Buggy-1st pick	5R-38(250)	MFWD 190	25,530	200	10	0.207	2.32	4.49	1.32	0.83	8.97	2.99	5.74	17.71
Boll Buggy-1st pick	6R-30(325)	MFWD 190	25,530	200	10	0.218	2.45	4.73	1.39	0.87	9.45	3.15	6.05	18.66
Boll Buggy-1st pick	6R-38(330)	MFWD 190	25,530	200	10	0.172	1.93	3.74	1.09	0.69	7.46	2.48	4.77	14.73
Boll Buggy-2nd pick	4R-30(250)	MFWD 190	25,530	200	10	0.277	3.11	6.02	1.76	1.11	12.01	4.00	7.68	23.71
Boll Buggy-2nd pick	4R-30(325)	MFWD 190	25,530	200	10	0.277	3.11	6.02	1.76	1.11	12.01	4.00	7.68	23.71
Boll Buggy-2nd pick	4R-38(255)	MFWD 190	25,530	200	10	0.218	2.45	4.74	1.39	0.87	9.46	3.15	6.05	18.67
Boll Buggy-2nd pick	4R-38(325)	MFWD 190	25,530	200	10	0.218	2.45	4.74	1.39	0.87	9.46	3.15	6.05	18.67
Boll Buggy-2nd pick	4R2x1(350)	MFWD 190	25,530	200	10	0.145	1.63	3.16	0.93	0.58	6.32	2.10	4.04	12.48
Boll Buggy-2nd pick	5R-30(255)	MFWD 190	25,530	200	10	0.221	2.49	4.81	1.41	0.89	9.61	3.20	6.15	18.97
Boll Buggy-2nd pick	5R-38(250)	MFWD 190	25,530	200	10	0.175	1.97	3.81	1.12	0.70	7.60	2.53	4.86	15.00
Boll Buggy-2nd pick	6R-30(325)	MFWD 190	25,530	200	10	0.184	2.07	4.01	1.17	0.74	8.01	2.67	5.12	15.80
Boll Buggy-2nd pick	6R-38(330)	MFWD 190	25,530	200	10	0.145	1.63	3.16	0.93	0.58	6.32	2.10	4.04	12.48
Boll Buggy-Stripper	13' Bcast	MFWD 150	25,530	200	10	0.251	2.82	4.31	1.60	0.84	9.59	3.63	5.63	18.86
Boll Buggy-Stripper	16' Bcast	MFWD 150	25,530	200	10	0.204	2.29	3.50	1.30	0.68	7.79	2.95	4.57	15.33
Boll Buggy-Stripper	19' Bcast	MFWD 150	25,530	200	10	0.172	1.93	2.95	1.09	0.58	6.56	2.48	3.85	12.91
Boll Buggy-Stripper	4R-30 2x1	MFWD 150	25,530	200	10	0.218	2.45	3.74	1.39	0.73	8.31	3.15	4.87	16.35
Boll Buggy-Stripper	4R-36	MFWD 150	25,530	200	10	0.272	3.06	4.67	1.74	0.91	10.39	3.94	6.10	20.44
Boll Buggy-Stripper	4R-38	MFWD 150	25,530	200	10	0.257	2.89	4.41	1.64	0.86	9.82	3.72	5.76	19.31
Boll Buggy-Stripper	4R-38 2x1	MFWD 150	25,530	200	10	0.172	1.93	2.95	1.09	0.58	6.56	2.48	3.85	12.91
Boll Buggy-Stripper	5R-30	MFWD 150	25,530	200	10	0.261	2.94	4.48	1.67	0.88	9.98	3.78	5.85	19.62
Boll Buggy-Stripper	5R-38	MFWD 150	25,530	200	10	0.207	2.32	3.55	1.32	0.69	7.89	2.99	4.63	15.52
Boll Buggy-Stripper	6R-30	MFWD 150	25,530	200	10	0.218	2.45	3.74	1.39	0.73	8.31	3.15	4.87	16.35
Boll Buggy-Stripper	6R-38	MFWD 150	25,530	200	10	0.172	1.93	2.95	1.09	0.58	6.56	2.48	3.85	12.91
Boll Buggy-Stripper	8R-30	MFWD 150	25,530	200	10	0.163	1.83	2.80	1.04	0.55	6.23	2.36	3.66	12.26
Boll Buggy-Stripper	8R-36/38	MFWD 150	25,530	200	10	0.129	1.45	2.21	0.82	0.43	4.93	1.86	2.89	9.69
Chisel Plow-Folding	16'	2WD 130	13,554	150	12	0.115	1.29	1.71	0.56	0.30	3.88	1.09	2.02	7.00
Chisel Plow-Folding	24'	MFWD 190	29,673	150	12	0.076	0.85	1.65	0.81	0.30	3.64	1.59	2.11	7.35
Chisel Plow-Folding	32'	MFWD 225	34,822	150	12	0.057	0.64	1.48	0.72	0.27	3.13	1.41	1.91	6.46
Chisel Plow-Folding	42'	MFWD 225	39,728	150	12	0.044	0.49	1.13	0.63	0.21	2.46	1.22	1.46	5.15
Chisel Plow-Folding	50'	MFWD 225	61,644	150	10	0.036	0.41	0.95	0.98	0.17	2.53	1.77	1.22	5.53
Chisel Plow-Folding	61'	MFWD 225	68,483	150	12	0.030	0.34	0.77	0.74	0.14	2.01	1.45	1.00	4.47
Chisel Plow-Rigid	8'	MFWD 150	7,463	150	12	0.231	2.59	3.96	0.62	0.77	7.95	1.21	5.16	14.33
Chisel Plow-Rigid	10'	MFWD 170	9,136	150	12	0.184	2.07	3.59	0.60	0.71	6.99	1.18	4.93	13.11
Chisel Plow-Rigid	12'	MFWD 170	12,242	150	12	0.154	1.73	2.99	0.68	0.59	5.99	1.32	4.11	11.43
Chisel Plow-Rigid	14'	MFWD 190	12,379	150	12	0.132	1.48	2.86	0.59	0.53	5.47	1.14	3.66	10.27
Chisel Plow-Rigid	15'	2WD 130	7,465	150	12	0.123	1.38	1.83	0.33	0.32	3.87	0.64	2.15	6.67
Chisel Plow-Rigid	18'	MFWD 225	21,779	150	12	0.102	1.15	2.64	0.80	0.49	5.09	1.57	3.41	10.07
Chisel Plow-Rigid	24'	MFWD 190	9,481	150	12	0.077	0.86	1.67	0.26	0.30	3.11	0.51	2.13	5.75
Chisel-Harrow	21 shank	2WD 190	11,146	150	12	0.088	0.98	1.91	0.35	0.30	3.55	0.68	2.08	6.33
Chisel-Harrow	27 shank	MFWD 225	13,583	150	12	0.068	0.76	1.76	0.33	0.32	3.19	0.65	2.27	6.12
Coulter-Chisel-Harrow	21 shank	2WD 190	18,800	150	12	0.088	0.98	1.91	0.59	0.30	3.80	1.16	2.08	7.05
Coulter-Chisel-Harrow	27 shank	MFWD 225	23,424	150	12	0.068	0.76	1.76	0.57	0.32	3.43	1.12	2.27	6.83
Cultivate	4R-30	2WD 105	10,430	150	10	0.206	2.31	2.47	0.57	0.38	5.75	1.67	2.58	10.01
Cultivate	4R-38	2WD 105	10,509	150	10	0.162	1.82	1.94	0.45	0.23	4.46	1.32	1.57	7.36
Cultivate	6R-30	MFWD 150	14,670	150	10	0.137	1.54	2.35	0.53	0.46	4.90	1.57	3.07	9.54
Cultivate	6R-38	MFWD 150	15,667	150	10	0.108	1.21	1.86	0.45	0.36	3.89	1.32	2.42	7.65
Cultivate	8R-30	MFWD 190	19,649	150	10	0.103	1.15	2.23	0.54	0.41	4.35	1.57	2.85	8.79
Cultivate	8R-38	MFWD 190	22,252	150	10	0.073	0.82	1.59	0.43	0.29	3.15	1.27	2.04	6.47
Cultivate	8R-38 2x1	MFWD 190	29,523	150	10	0.054	0.60	1.17	0.42	0.21	2.43	1.24	1.50	5.18
Cultivate	10R-30	MFWD 225	33,030	150	10	0.082	0.92	2.12	0.72	0.39	4.17	2.12	2.73	9.03
Cultivate	12R-30	MFWD 225	36,844	150	10	0.068	0.77	1.76	0.67	0.33	3.54	1.97	2.28	7.80
Cultivate	12R-38	MFWD 225	35,800	150	10	0.054	0.60	1.39	0.51	0.26	2.78	1.51	1.80	6.10
Cultivate	16R-30	MFWD 225	45,177	150	10	0.051	0.57	1.32	0.62	0.24	2.77	1.81	1.71	6.30

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Cultivate & Post	4R-30	2WD 105	15,453	150	10	0.220	3.46	2.63	0.90	0.32	7.33	2.64	2.13	12.11
Cultivate & Post	4R-38	2WD 105	15,532	150	10	0.173	2.73	2.07	0.71	0.25	5.77	2.09	1.67	9.55
Cultivate & Post	6R-30	MFWD 150	19,692	150	10	0.146	2.31	2.51	0.77	0.49	6.08	2.25	3.27	11.61
Cultivate & Post	6R-38	MFWD 150	20,690	150	10	0.115	1.82	1.98	0.63	0.38	4.83	1.86	2.58	9.29
Cultivate & Post	8R-30	MFWD 190	24,672	150	10	0.110	1.73	2.38	0.72	0.44	5.28	2.11	3.05	10.45
Cultivate & Post	8R-38	MFWD 190	27,274	150	10	0.086	1.37	1.88	0.63	0.34	4.24	1.84	2.41	8.49
Cultivate & Post	8R-38 2x1	MFWD 190	35,992	150	10	0.057	0.91	1.25	0.55	0.23	2.95	1.62	1.60	6.18
Cultivate & Post	10R-30	MFWD 225	28,281	150	10	0.088	1.38	2.26	0.66	0.42	4.73	1.93	2.92	9.59
Cultivate & Post	12R-30	MFWD 225	41,866	150	10	0.073	1.15	1.88	0.81	0.35	4.21	2.39	2.43	9.03
Cultivate & Post	12R-38	MFWD 225	42,269	150	10	0.057	0.91	1.48	0.65	0.27	3.33	1.90	1.92	7.16
Cultivate & Post	16R-30	MFWD 225	50,200	150	10	0.055	0.86	1.41	0.73	0.26	3.28	2.15	1.82	7.25
Disk & Incorporate	14'	2WD 130	28,156	200	10	0.149	2.35	2.22	1.26	0.39	6.24	2.46	2.61	11.32
Disk & Incorporate	24'	MFWD 190	38,631	200	10	0.087	1.37	1.89	1.01	0.35	4.63	1.97	2.42	9.02
Disk & Incorporate	28'	MFWD 225	43,684	200	10	0.074	1.17	1.92	0.98	0.35	4.44	1.91	2.48	8.83
Disk & Incorporate	32'	MFWD 225	49,004	200	10	0.065	1.03	1.68	0.96	0.31	3.99	1.87	2.17	8.04
Disk - Heavy	14'	MFWD 150	18,791	180	10	0.145	1.63	2.50	0.76	0.49	5.39	1.78	3.26	10.43
Disk - Heavy	21'	MFWD 170	29,911	180	10	0.097	1.09	1.89	0.80	0.37	4.16	1.88	2.59	8.65
Disk - Heavy	27'	MFWD 190	34,304	180	10	0.075	0.84	1.64	0.72	0.30	3.51	1.68	2.09	7.30
Disk Bed (Hipper)	4R-38	MFWD 150	9,171	160	10	0.147	1.65	2.53	0.33	0.49	5.02	0.98	3.30	9.31
Disk Bed (Hipper)	6R-30	MFWD 170	11,739	160	10	0.125	1.40	2.42	0.36	0.48	4.68	1.07	3.33	9.09
Disk Bed (Hipper)	6R-38	MFWD 170	11,739	160	10	0.098	1.10	1.91	0.28	0.38	3.69	0.84	2.63	7.17
Disk Bed (Hipper)	8R-30	MFWD 190	14,192	160	10	0.093	1.05	2.03	0.33	0.37	3.79	0.97	2.59	7.36
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	23,230	160	10	0.049	0.55	1.07	0.28	0.19	2.10	0.83	1.36	4.31
Disk Bed (Hipper)	10R-30	MFWD 225	19,392	160	10	0.075	0.84	1.92	0.36	0.36	3.49	1.06	2.49	7.04
Disk Bed (Hipper)	10R-38	MFWD 225	19,573	160	10	0.059	0.66	1.52	0.28	0.28	2.75	0.84	1.96	5.56
Disk Bed (Hipper)	12R-30	MFWD 225	22,482	160	10	0.062	0.70	1.60	0.35	0.30	2.96	1.02	2.07	6.06
Disk Bed (Hipper)	12R-38	MFWD 225	23,230	160	10	0.049	0.55	1.26	0.28	0.23	2.34	0.83	1.63	4.82
Disk Bed (Hipper)Fld	8R-38	MFWD 190	17,006	160	10	0.074	0.83	1.60	0.31	0.29	3.05	0.92	2.05	6.02
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	15,384	160	10	0.074	0.83	1.60	0.28	0.29	3.02	0.83	2.05	5.91
Disk Bed w/roller	8R-30	MFWD 190	19,305	160	10	0.093	1.05	2.03	0.45	0.37	3.91	1.32	2.59	7.83
Disk Bed w/roller	12R-30	MFWD 225	32,450	160	10	0.062	0.70	1.60	0.50	0.30	3.11	1.48	2.07	6.67
Disk Bed w/roller	8R-38	MFWD 190	19,305	160	10	0.074	0.83	1.60	0.35	0.29	3.09	1.04	2.05	6.19
Disk Harrow	14'	2WD 130	23,133	180	10	0.140	1.57	2.08	0.90	0.36	4.93	2.10	2.45	9.49
Disk Harrow	24'	MFWD 190	33,608	180	10	0.081	0.91	1.77	0.76	0.32	3.78	1.78	2.26	7.84
Disk Harrow	28'	MFWD 225	38,662	180	10	0.070	0.78	1.80	0.75	0.33	3.68	1.76	2.32	7.77
Disk Harrow	32'	MFWD 225	43,981	180	10	0.061	0.68	1.57	0.74	0.29	3.31	1.75	2.03	7.10
Disk Harrow	42'	MFWD 225	84,483	180	10	0.046	0.52	1.20	1.09	0.22	3.05	2.56	1.55	7.16
Disk Ripper	15'	MFWD 225	35,238	180	10	0.136	1.52	3.50	1.33	0.65	7.02	3.11	4.52	14.65
Ditcher		2WD 130	4,873	200	10	0.020	0.22	0.29	0.03	0.05	0.61	0.05	0.34	1.02
Ditcher (1m/160a)		2WD 130	4,873	200	10	0.009	0.10	0.13	0.01	0.02	0.28	0.02	0.16	0.47
Fert Appl (Liquid)	4R-38	MFWD 150	15,003	150	8	0.154	2.43	2.65	1.54	0.52	7.15	1.92	3.45	12.54
Fert Appl (Liquid)	6R-30	MFWD 170	18,810	150	8	0.130	2.06	2.54	1.64	0.50	6.75	2.04	3.49	12.29
Fert Appl (Liquid)	6R-38	MFWD 170	14,018	150	8	0.103	1.62	2.00	0.96	0.39	5.00	1.20	2.75	8.96
Fert Appl (Liquid)	8R-30	MFWD 190	16,465	150	8	0.098	1.54	2.13	1.07	0.39	5.15	1.34	2.72	9.21
Fert Appl (Liquid)	8R-38	MFWD 190	18,082	150	8	0.077	1.22	1.68	0.93	0.31	4.15	1.16	2.15	7.47
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	16,415	150	8	0.051	0.81	1.12	0.56	0.20	2.71	0.70	1.43	4.84
Fert Appl (Liquid)	10R-30	MFWD 225	17,205	150	8	0.078	1.23	2.02	0.90	0.37	4.53	1.12	2.60	8.26
Fert Appl (Liquid)	10R-38	MFWD 225	20,403	150	8	0.061	0.97	1.59	0.84	0.29	3.71	1.04	2.05	6.81
Fert Appl (Liquid)	12R-30	MFWD 225	20,304	150	8	0.078	1.23	2.02	1.06	0.37	4.69	1.32	2.60	8.63
Fert Appl (Liquid)	12R-38	MFWD 225	15,100	150	8	0.051	0.81	1.32	0.52	0.24	2.91	0.64	1.71	5.27
Field Cult & Inc	42'	MFWD 225	52,272	100	10	0.037	0.59	0.97	0.49	0.18	2.24	2.30	1.25	5.80
Field Cult & Inc	50'	MFWD 225	62,172	100	10	0.031	0.50	0.81	0.49	0.15	1.96	2.30	1.05	5.32
Field Cult & Inc Fld	24'	MFWD 170	28,282	100	10	0.066	1.04	1.28	0.46	0.25	3.04	2.18	1.76	6.99
Field Cult & Inc Fld	32'	MFWD 190	37,912	100	10	0.049	0.78	1.07	0.46	0.19	2.52	2.19	1.37	6.09
Field Cult & Inc Rdg	12'	2WD 150	14,843	100	10	0.132	2.08	2.26	0.49	0.40	5.24	2.29	2.71	10.25
Field Cultivate Fld	24'	MFWD 170	23,259	100	10	0.062	0.69	1.20	0.36	0.24	2.50	1.69	1.66	5.86
Field Cultivate Fld	32'	MFWD 190	32,889	100	10	0.046	0.52	1.01	0.38	0.18	2.10	1.79	1.29	5.19
Field Cultivate Fld	42'	MFWD 225	45,802	100	10	0.035	0.39	0.91	0.40	0.17	1.89	1.90	1.18	4.97
Field Cultivate Fld	50'	MFWD 225	55,349	100	10	0.029	0.33	0.76	0.41	0.14	1.65	1.93	0.99	4.58
Field Cultivate Rdg	12'	2WD 150	9,821	100	10	0.124	1.39	2.13	0.30	0.38	4.22	1.42	2.55	8.20
Grain Cart Corn	500 bu	MFWD 190	20,856	200	12	0.031	0.35	0.69	0.18	0.12	1.36	0.35	0.88	2.59
Grain Cart Corn	700 bu	MFWD 190	29,243	200	12	0.025	0.28	0.54	0.19	0.10	1.12	0.38	0.69	2.20
Grain Cart Corn	1000 bu	MFWD 225	46,709	200	12	0.025	0.28	0.64	0.31	0.12	1.35	0.61	0.83	2.80
Grain Cart Rice	500 bu	MFWD 190	20,856	200	12	0.062	0.70	1.35	0.35	0.25	2.66	0.68	1.73	5.08
Grain Cart Rice	700 bu	MFWD 190	29,243	200	12	0.055	0.61	1.19	0.43	0.22	2.46	0.84	1.52	4.84
Grain Cart Rice	1000 bu	MFWD 190	46,709	200	12	0.045	0.51	0.99	0.57	0.18	2.27	1.12	1.27	4.67
Grain Cart Soybean	500 bu	MFWD 190	20,856	200	12	0.025	0.28	0.55	0.14	0.10	1.08	0.28	0.70	2.07
Grain Cart Soybean	700 bu	MFWD 190	29,243	200	12	0.021	0.23	0.46	0.16	0.08	0.95	0.32	0.58	1.87
Grain Cart Soybean	1000 bu	MFWD 190	46,709	200	12	0.021	0.23	0.46	0.26	0.08	1.05	0.52	0.58	2.16
Grain Cart Wht/Sor	500 bu	MFWD 190	20,856	200	12	0.025	0.28	0.55	0.14	0.10	1.08	0.28	0.70	2.07
Grain Cart Wht/Sor	700 bu	MFWD 190	29,243	200	12	0.021	0.23	0.46	0.16	0.08	0.95	0.32	0.58	1.87
Grain Cart Wht/Sor	1000 bu	MFWD 190	46,709	200	12	0.021	0.23	0.46	0.26	0.08	1.05	0.52	0.58	2.16
Grain Drill	8'	2WD 130	15,286	150	8	0.235	4.78	3.50	1.35	0.62	10.25	2.87	4.12	17.25
Grain Drill	10'	2WD 130	16,520	150	8	0.188	3.82	2.80	1.16	0.49	8.29	2.48	3.29	14.07
Grain Drill	12'	2WD 130	17,280	150	8	0.157	3.18	2.33	1.01	0.41	6.95	2.16	2.74	11.86
Grain Drill	15'	MFWD 150	23,222	150	8	0.125	2.55	2.15	1.09	0.42	6.22	2.32	2.81	11.36
Grain Drill	15' 11R-15	MFWD 150	34,024	150	8	0.125	2.55	2.15	1.60	0.42	6.73	3.40	2.81	12.95
Grain Drill	20'	MFWD 170	31,741	150	8	0.094	1.91	1.83	1.12	0.36	5.23	2.38	2.51	10.13

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	R&M Imp.	R&M P.U.	Total Direct	Fixed Imp.	Fixed P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Grain Drill	20'	15R-15 MFWD 170	39,491	150	8	0.094	1.91	1.83	1.39	0.36	5.50	2.96	2.51	10.99
Grain Drill	24'	MFWD 190	48,834	150	8	0.078	1.59	1.70	1.43	0.31	5.05	3.05	2.17	10.29
Grain Drill	25'	15R-15 MFWD 190	50,026	150	8	0.075	1.53	1.63	1.41	0.30	4.88	3.00	2.09	9.98
Grain Drill	30'	MFWD 225	50,228	150	8	0.062	1.27	1.61	1.18	0.30	4.37	2.51	2.08	8.98
Grain Drill	35'	MFWD 225	62,592	150	8	0.053	1.09	1.38	1.26	0.25	4.00	2.68	1.78	8.47
Grain Drill	40'	MFWD 225	82,954	150	8	0.047	0.95	1.21	1.46	0.22	3.86	3.11	1.56	8.54
Grain Drill & Pre	8'	2WD 130	20,308	150	8	0.253	5.15	3.77	1.93	0.66	11.52	4.10	4.43	20.07
Grain Drill & Pre	10'	2WD 130	21,543	150	8	0.203	4.12	3.01	1.64	0.53	9.31	3.48	3.55	16.35
Grain Drill & Pre	12'	2WD 130	22,302	150	8	0.169	3.43	2.51	1.41	0.44	7.80	3.00	2.95	13.77
Grain Drill & Pre	15'	MFWD 150	28,245	150	8	0.135	2.74	2.32	1.43	0.45	6.95	3.04	3.02	13.03
Grain Drill & Pre	15'	11R-15 MFWD 150	39,046	150	8	0.135	2.74	2.32	1.98	0.45	7.50	4.21	3.02	14.74
Grain Drill & Pre	20'	MFWD 170	36,764	150	8	0.101	2.06	1.97	1.39	0.39	5.82	2.97	2.71	11.51
Grain Drill & Pre	20'	15R-15 MFWD 170	44,514	150	8	0.101	2.06	1.97	1.69	0.39	6.12	3.60	2.71	12.43
Grain Drill & Pre	24'	MFWD 190	53,857	150	8	0.084	1.71	1.83	1.70	0.33	5.60	3.63	2.34	11.58
Grain Drill & Pre	25'	15R-15 MFWD 190	55,048	150	8	0.081	1.64	1.76	1.67	0.32	5.41	3.56	2.25	11.23
Grain Drill & Pre	30'	MFWD 225	55,250	150	8	0.067	1.37	1.74	1.40	0.32	4.84	2.98	2.24	10.07
Grain Drill & Pre	35'	MFWD 225	67,615	150	8	0.058	1.17	1.49	1.47	0.27	4.41	3.12	1.92	9.47
Grain Drill & Pre	40'	MFWD 225	88,450	150	8	0.050	1.03	1.30	1.68	0.24	4.26	3.57	1.68	9.52
Grain Drill & Pre T	8R-38	MFWD 225	43,873	150	8	0.062	0.99	1.61	1.03	0.30	3.94	2.19	2.08	8.22
Grain Drill TwinRow	8R-38	MFWD 225	38,850	150	8	0.075	1.18	1.93	1.09	0.36	4.58	2.33	2.50	9.43
Harrow-Folding	40'	MFWD 190	11,880	200	10	0.038	0.43	0.84	0.16	0.15	1.59	0.26	1.07	2.94
Harrow-Rigid	30'	MFWD 190	7,740	200	10	0.051	0.58	1.12	0.14	0.20	2.05	0.23	1.43	3.72
Header - Corn	6R-30	265 hp	35,884	300	8	0.170	1.91	5.15	1.52	3.87	12.46	2.53	16.65	31.65
Header - Corn	6R-38	265 hp	37,494	300	8	0.134	1.50	4.07	1.26	3.05	9.89	2.09	13.14	25.13
Header - Corn	8R-30	265 hp	46,339	300	8	0.127	1.43	3.86	1.47	2.90	9.68	2.45	12.49	24.63
Header - Corn	8R-38	325 hp	47,890	300	8	0.100	1.13	3.74	1.20	2.57	8.66	2.00	11.08	21.76
Header - Corn	12R-20	325 hp	62,880	300	8	0.127	1.43	4.74	2.00	3.26	11.44	3.33	14.02	28.80
Header - Corn	12R-30	325 hp	70,746	300	8	0.085	0.95	3.16	1.50	2.17	7.79	2.50	9.35	19.64
Header - Draper (CL)	25' Rigid	265 hp	35,852	300	8	0.203	2.28	6.14	1.66	4.61	14.71	2.90	19.86	37.48
Header - Draper (CL)	30' Rigid	325 hp	37,307	300	8	0.169	1.90	6.28	1.44	4.31	13.95	2.51	18.58	35.05
Header - Draper (CL)	36' Rigid	355 hp	42,128	300	8	0.141	1.58	5.72	1.36	3.89	12.56	2.36	16.77	31.71
Header - Draper (SL)	25' Rigid	325 hp	35,852	300	8	0.176	1.97	6.53	1.44	4.49	14.45	2.51	19.33	36.29
Header - Draper (SL)	30' Rigid	325 hp	37,307	300	8	0.146	1.64	5.44	1.25	3.74	12.09	2.18	16.11	30.38
Header - Draper (SL)	36' Rigid	355 hp	42,128	300	8	0.122	1.37	4.95	1.17	3.37	10.88	2.05	14.54	27.48
Header - Rice (CL)	25' Rigid	325 hp	32,051	300	8	0.253	2.85	9.42	2.03	6.48	20.79	3.37	27.88	52.05
Header - Rice (CL)	30' Rigid	325 hp	41,263	300	8	0.211	2.37	7.85	2.18	5.40	17.81	3.62	23.23	44.67
Header - Rice (SL)	25' Rigid	325 hp	32,051	300	8	0.220	2.47	8.17	1.76	5.61	18.02	2.92	24.16	45.11
Header - Rice (SL)	30' Rigid	325 hp	41,263	300	8	0.183	2.05	6.80	1.89	4.67	15.43	3.14	20.13	38.71
Header -RiceStrp(CL)	20'	265 hp	37,277	300	8	0.253	2.85	7.68	2.36	5.77	18.67	3.92	24.82	47.43
Header -RiceStrp(CL)	24'	325 hp	40,911	300	8	0.211	2.37	7.85	2.16	5.40	17.79	3.59	23.23	44.62
Header -RiceStrp(CL)	32'	325 hp	45,159	300	8	0.158	1.78	5.89	1.79	4.04	13.51	2.97	17.42	33.91
Header -RiceStrp(SL)	20'	265 hp	37,277	300	8	0.220	2.47	6.66	2.05	5.00	16.18	3.40	21.51	41.10
Header -RiceStrp(SL)	24'	325 hp	40,911	300	8	0.183	2.05	6.80	1.87	4.67	15.42	3.11	20.13	38.67
Header -RiceStrp(SL)	32'	325 hp	45,159	300	8	0.137	1.54	5.10	1.55	3.50	11.71	2.57	15.10	29.39
Header -Soybean	22'	Flex 265 hp	24,635	300	8	0.116	1.30	3.51	0.71	2.63	8.17	1.18	11.35	20.71
Header -Soybean	25'	Flex 325 hp	26,900	300	8	0.102	1.14	3.79	0.68	2.60	8.23	1.14	11.22	20.60
Header -Soybean	30'	Flex 325 hp	30,878	300	8	0.085	0.95	3.16	0.65	2.17	6.94	1.09	9.35	17.39
Header -Soybean	35'	Flex 355 hp	35,880	300	8	0.072	0.81	2.96	0.65	2.01	6.45	1.08	8.68	16.22
Header Wheat/Sorghum	22'	Rigid 265 hp	15,835	300	8	0.116	1.30	3.51	0.45	2.63	7.91	0.76	11.35	20.03
Header Wheat/Sorghum	25'	Rigid 325 hp	24,225	300	8	0.102	1.14	3.79	0.61	2.60	8.16	1.02	11.22	20.41
Header Wheat/Sorghum	30'	Rigid 325 hp	26,629	300	8	0.085	0.95	3.16	0.56	2.17	6.85	0.94	9.35	17.15
Header-Cotton Bcast	13'	173 hp	18,000	200	8	0.251	5.10	4.51	0.84	5.70	16.18	2.82	24.55	43.55
Header-Cotton-Bcast	16'	173 hp	21,060	200	8	0.204	4.15	3.67	0.80	4.63	13.26	2.68	19.94	35.89
Header-Cotton-Bcast	19'	173 hp	22,770	200	8	0.172	3.49	3.09	0.73	3.90	11.22	2.44	16.80	30.47
Header-Cotton-Brush	4R-30	2x1 173 hp	28,095	200	8	0.218	4.42	3.91	1.14	4.94	14.43	3.81	21.27	39.53
Header-Cotton-Brush	4R-36	173 hp	27,176	200	8	0.272	5.53	4.89	1.39	6.18	18.00	4.61	26.60	49.21
Header-Cotton-Brush	4R-38	173 hp	27,048	200	8	0.257	5.23	4.62	1.30	5.84	17.00	4.34	25.13	46.47
Header-Cotton-Brush	4R-38	2x1 173 hp	28,418	200	8	0.172	3.49	3.09	0.91	3.90	11.40	3.04	16.80	31.25
Header-Cotton-Brush	5R-30	173 hp	34,169	200	8	0.261	5.31	4.69	1.67	5.93	17.62	5.57	25.53	48.73
Header-Cotton-Brush	5R-38	173 hp	35,182	200	8	0.207	4.20	3.71	1.36	4.69	13.98	4.53	20.20	38.72
Header-Cotton-Brush	6R-30	173 hp	42,070	200	8	0.218	4.42	3.91	1.72	4.94	15.01	5.71	21.27	42.00
Header-Cotton-Brush	6R-38	173 hp	43,212	200	8	0.172	3.49	3.09	1.39	3.90	11.88	4.63	16.80	33.32
Header-Cotton-Brush	8R-30	173 hp	57,821	200	8	0.163	3.32	2.93	1.77	3.70	11.74	5.89	15.96	33.59
Header-Cotton-Brush	8R-36/38	173 hp	59,413	200	8	0.129	2.62	2.32	1.44	2.93	9.32	4.78	12.61	26.72
Land Plane	50'x16'	MFWD 190	10,346	200	10	0.151	1.70	3.29	0.31	0.60	5.91	0.91	4.20	11.04
Levee Pull & Seed	8 Blade	MFWD 170	9,956	100	10	0.003	0.04	0.06	0.00	0.01	0.13	0.04	0.09	0.26
Levee Pull (1m/80a)	8 blade	MFWD 170	7,508	100	10	0.003	0.04	0.06	0.00	0.01	0.12	0.03	0.09	0.25
Levee Splitter (1/80	8 blade	MFWD 150	7,508	100	10	0.004	0.04	0.07	0.00	0.01	0.13	0.03	0.09	0.26
Middle Buster	4R-38	MFWD 150	9,663	160	8	0.228	2.56	3.91	0.51	0.76	7.76	1.78	5.10	14.65
Middle Buster	6R-38	MFWD 150	12,296	160	8	0.120	1.34	2.06	0.34	0.40	4.16	1.19	2.68	8.04
Middle Buster	8R-30	MFWD 190	17,379	160	8	0.114	1.28	2.47	0.46	0.45	4.68	1.60	3.16	9.45
Middle Buster	8R-38	MFWD 190	15,729	160	8	0.090	1.01	1.95	0.33	0.36	3.66	1.14	2.50	7.32
Middle Buster	8R-38	2x1 MFWD 190	27,036	160	8	0.060	0.67	1.30	0.38	0.24	2.60	1.31	1.66	5.58
Middle Buster	10R-30	MFWD 225	27,009	160	8	0.091	1.02	2.34	0.57	0.43	4.39	1.99	3.03	9.42
Middle Buster	10R-38	MFWD 225	29,529	160	8	0.072	0.80	1.85	0.49	0.34	3.50	1.72	2.39	7.61
Middle Buster	12R-38	MFWD 225	27,023	160	8	0.060	0.67	1.54	0.38	0.28	2.88	1.31	1.99	6.19
Module Builder-1st	4R-30(250)	MFWD 190	35,588	200	10	0.327	6.64	7.10	2.91	1.31	17.97	6.59	9.07	33.64
Module Builder-1st	4R-30(325)	MFWD 190	35,588	200	10	0.327	6.64	7.10	2.91	1.31	17.97	6.59	9.07	33.64

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Module Builder-1st	4R-38(255)	MFWD 190	35,588	200	10	0.257	5.23	5.59	2.29	1.03	14.15	5.19	7.14	26.49
Module Builder-1st	4R-38(325)	MFWD 190	35,588	200	10	0.257	5.23	5.59	2.29	1.03	14.15	5.19	7.14	26.49
Module Builder-1st	4R2x1(350)	MFWD 190	35,588	200	10	0.172	3.49	3.74	1.53	0.69	9.46	3.46	4.77	17.70
Module Builder-1st	5R-30(255)	MFWD 190	35,588	200	10	0.261	5.31	5.68	2.33	1.05	14.38	5.27	7.26	26.91
Module Builder-1st	5R-38(250)	MFWD 190	35,588	200	10	0.207	4.20	4.49	1.84	0.83	11.37	4.17	5.74	21.29
Module Builder-1st	6R-30(325)	MFWD 190	35,588	200	10	0.218	4.42	4.73	1.94	0.87	11.98	4.39	6.05	22.43
Module Builder-1st	6R-38(330)	MFWD 190	35,588	200	10	0.172	3.49	3.74	1.53	0.69	9.46	3.46	4.77	17.70
Module Builder-2nd	4R-30(250)	MFWD 190	35,588	200	10	0.277	5.62	6.02	2.46	1.11	15.22	5.58	7.68	28.50
Module Builder-2nd	4R-30(325)	MFWD 190	35,588	200	10	0.277	5.62	6.02	2.46	1.11	15.22	5.58	7.68	28.50
Module Builder-2nd	4R-38(255)	MFWD 190	35,588	200	10	0.218	4.43	4.74	1.94	0.87	11.99	4.39	6.05	22.44
Module Builder-2nd	4R-38(325)	MFWD 190	35,588	200	10	0.218	4.43	4.74	1.94	0.87	11.99	4.39	6.05	22.44
Module Builder-2nd	4R2x1(350)	MFWD 190	35,588	200	10	0.145	2.96	3.16	1.29	0.58	8.01	2.93	4.04	15.00
Module Builder-2nd	5R-30(255)	MFWD 190	35,588	200	10	0.221	4.50	4.81	1.97	0.89	12.18	4.46	6.15	22.80
Module Builder-2nd	5R-38(250)	MFWD 190	35,588	200	10	0.175	3.56	3.81	1.56	0.70	9.63	3.53	4.86	18.03
Module Builder-2nd	6R-30(325)	MFWD 190	35,588	200	10	0.184	3.75	4.01	1.64	0.74	10.15	3.72	5.12	19.00
Module Builder-2nd	6R-38(330)	MFWD 190	35,588	200	10	0.145	2.96	3.16	1.29	0.58	8.01	2.93	4.04	15.00
Module Builder-Strip	13' Bcast	MFWD 150	35,588	200	10	0.251	5.10	4.31	2.24	0.84	12.51	5.07	5.63	23.21
Module Builder-Strip	16' Bcast	MFWD 150	35,588	200	10	0.204	4.15	3.50	1.82	0.68	10.16	4.12	4.57	18.86
Module Builder-Strip	19' Bcast	MFWD 150	35,588	200	10	0.172	3.49	2.95	1.53	0.58	8.56	3.46	3.85	15.88
Module Builder-Strip	4R-30 2x1	MFWD 150	35,588	200	10	0.218	4.42	3.74	1.94	0.73	10.84	4.39	4.87	20.12
Module Builder-Strip	4R-36	MFWD 150	35,588	200	10	0.272	5.53	4.67	2.42	0.91	13.55	5.49	6.10	25.15
Module Builder-Strip	4R-38	MFWD 150	35,588	200	10	0.257	5.23	4.41	2.29	0.86	12.81	5.19	5.76	23.76
Module Builder-Strip	4R-38 2x1	MFWD 150	35,588	200	10	0.172	3.49	2.95	1.53	0.58	8.56	3.46	3.85	15.88
Module Builder-Strip	5R-30	MFWD 150	35,588	200	10	0.261	5.31	4.48	2.33	0.88	13.01	5.27	5.85	24.14
Module Builder-Strip	5R-38	MFWD 150	35,588	200	10	0.207	4.20	3.55	1.84	0.69	10.29	4.17	4.63	19.10
Module Builder-Strip	6R-30	MFWD 150	35,588	200	10	0.218	4.42	3.74	1.94	0.73	10.84	4.39	4.87	20.12
Module Builder-Strip	6R-38	MFWD 190	35,588	200	10	0.172	3.49	3.74	1.53	0.69	9.46	3.46	4.77	17.70
Module Builder-Strip	8R-36/38	MFWD 190	35,588	200	10	0.129	2.62	2.80	1.15	0.51	7.10	2.60	3.58	13.29
NT Grain Drill	6'	MFWD 170	18,568	150	8	0.327	5.15	6.35	2.27	1.26	15.06	4.84	8.73	28.64
NT Grain Drill	10'	2WD 130	27,418	150	8	0.235	4.78	3.50	2.42	0.62	11.32	5.15	4.12	20.60
NT Grain Drill	12'	2WD 130	34,991	150	8	0.163	3.32	2.43	2.14	0.43	8.33	4.56	2.86	15.76
NT Grain Drill	15'	MFWD 150	38,643	150	8	0.130	2.65	2.24	1.89	0.44	7.23	4.03	2.92	14.20
NT Grain Drill	20'	MFWD 170	55,625	150	8	0.098	1.99	1.90	2.04	0.37	6.32	4.35	2.62	13.30
NT Grain Drill	24'	MFWD 190	74,421	150	8	0.081	1.66	1.77	2.28	0.32	6.05	4.85	2.26	13.17
NT Grain Drill	30'	MFWD 225	99,634	150	8	0.065	1.32	1.68	2.44	0.31	5.77	5.20	2.17	13.14
NT Grain Drill & Pre	6'	MFWD 170	18,568	150	8	0.352	5.55	6.84	2.45	1.36	16.22	5.21	9.41	30.85
NT Grain Drill & Pre	10'	2WD 130	32,440	150	8	0.211	4.29	3.14	2.57	0.55	10.56	5.47	3.69	19.73
NT Grain Drill & Pre	12'	2WD 130	40,014	150	8	0.176	3.57	2.61	2.64	0.46	9.30	5.62	3.08	18.01
NT Grain Drill & Pre	15'	MFWD 150	43,666	150	8	0.141	2.86	2.41	2.30	0.47	8.06	4.90	3.15	16.12
NT Grain Drill & Pre	20'	MFWD 170	60,647	150	8	0.105	2.14	2.05	2.40	0.40	7.01	5.11	2.82	14.95
NT Grain Drill & Pre	24'	MFWD 190	79,443	150	8	0.088	1.78	1.91	2.62	0.35	6.68	5.58	2.44	14.70
NT Grain Drill & Pre	30'	MFWD 225	104,657	150	8	0.070	1.43	1.81	2.76	0.33	6.34	5.88	2.34	14.57
NT Plant Folding	12R-15	MFWD 225	97,501	150	8	0.130	2.06	3.36	4.78	0.62	10.84	10.17	4.34	25.37
NT Plant&Pre-Folding	8R-38	MFWD 170	46,117	150	8	0.083	1.69	1.62	1.44	0.32	5.08	3.07	2.23	10.39
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	67,295	150	8	0.055	1.12	1.08	1.40	0.21	3.83	2.98	1.48	8.30
NT Plant&Pre-Folding	10R-30	MFWD 190	57,555	150	8	0.084	1.71	1.83	1.82	0.33	5.72	3.88	2.34	11.94
NT Plant&Pre-Folding	12R-15	MFWD 225	102,523	150	8	0.141	2.22	3.62	5.42	0.67	11.94	11.52	4.68	28.15
NT Plant&Pre-Folding	12R-20	MFWD 190	66,597	150	8	0.105	2.14	2.29	2.64	0.42	7.50	5.61	2.93	16.05
NT Plant&Pre-Folding	12R-30	MFWD 190	70,136	150	8	0.070	1.43	1.53	1.85	0.28	5.09	3.94	1.95	10.99
NT Plant&Pre-Folding	12R-38	MFWD 190	67,295	150	8	0.055	1.12	1.20	1.40	0.22	3.96	2.98	1.54	8.49
NT Plant&Pre-Folding	16R-30	MFWD 190	90,929	150	8	0.052	1.07	1.14	1.80	0.21	4.23	3.83	1.46	9.53
NT Plant&Pre-Folding	23R-15	MFWD 190	108,798	150	8	0.073	1.49	1.59	2.99	0.29	6.37	6.37	2.03	14.78
NT Plant&Pre-Folding	24R-15	MFWD 225	112,216	150	8	0.070	1.43	1.81	2.96	0.33	6.54	6.30	2.34	15.19
NT Plant&Pre-Folding	24R-20	MFWD 190	122,343	150	8	0.052	1.07	1.14	2.42	0.21	4.85	5.15	1.46	11.48
NT Plant&Pre-Folding	24R-30	MFWD 190	149,696	150	8	0.035	0.71	0.76	1.97	0.14	3.60	4.20	0.97	8.78
NT Plant&Pre-Folding	31R-15	MFWD 225	131,316	150	8	0.054	1.10	1.40	2.69	0.26	5.46	5.72	1.81	13.00
NT Plant&Pre-Folding	32R-15	MFWD 225	145,722	150	8	0.052	1.07	1.35	2.88	0.25	5.57	6.14	1.75	13.47
NT Plant&Pre-Folding	32R-30	MFWD 225	209,979	150	8	0.026	0.53	0.67	2.08	0.12	3.42	4.42	0.87	8.72
NT Plant&Pre-Folding	36R-20	MFWD 225	164,656	150	8	0.035	0.71	0.90	2.17	0.16	3.96	4.62	1.17	9.76
NT Plant&Pre-Folding	36R-30	MFWD 225	253,210	150	8	0.023	0.47	0.60	2.23	0.11	3.42	4.74	0.78	8.94
NT Plant&Pre-Rigid	4R-30	2WD 130	24,784	150	8	0.211	4.29	3.14	1.96	0.55	9.95	4.17	3.69	17.83
NT Plant&Pre-Rigid	4R-38	2WD 130	25,092	150	8	0.166	3.37	2.47	1.56	0.43	7.86	3.33	2.91	14.10
NT Plant&Pre-Rigid	6R-30	MFWD 150	31,797	150	8	0.141	2.86	2.41	1.68	0.47	7.43	3.57	3.15	14.16
NT Plant&Pre-Rigid	6R-38	MFWD 150	31,559	150	8	0.111	2.25	1.90	1.31	0.37	5.85	2.80	2.48	11.15
NT Plant&Pre-Rigid	8R-30	MFWD 170	39,094	150	8	0.105	2.14	2.05	1.55	0.40	6.16	3.29	2.82	12.27
NT Plant&Pre-Rigid	8R-38	MFWD 170	35,772	150	8	0.083	1.69	1.62	1.12	0.32	4.76	2.38	2.23	9.38
NT Plant&Pre-Rigid	10R-30	MFWD 190	38,123	150	8	0.084	1.71	1.83	1.20	0.33	5.10	2.57	2.34	10.02
NT Plant&Pre-Rigid	11R-15	MFWD 170	44,213	150	8	0.143	2.91	2.79	2.38	0.55	8.65	5.07	3.84	17.57
NT Plant&Pre-Rigid	11R-20	MFWD 170	42,401	150	8	0.115	2.34	2.24	1.83	0.44	6.87	3.90	3.08	13.86
NT Plant&Pre-Rigid	12R-20	MFWD 190	49,116	150	8	0.105	2.14	2.29	1.94	0.42	6.81	4.14	2.93	13.88
NT Plant&Pre-Rigid	12R-30	MFWD 190	55,190	150	8	0.070	1.43	1.53	1.45	0.28	4.70	3.10	1.95	9.76
NT Plant&Pre-Rigid	13R-18/20	MFWD 225	47,400	150	8	0.097	1.97	2.50	1.73	0.46	6.68	3.68	3.23	13.60
NT Plant&Pre-Rigid	15R-15	MFWD 190	57,405	150	8	0.113	2.29	2.45	2.43	0.45	7.64	5.17	3.13	15.95
NT Plant&Pre-Rigid	15R-20	MFWD 190	52,096	150	8	0.084	1.71	1.83	1.65	0.33	5.54	3.51	2.34	11.40
NT Plant&Pre-Rigid	16R-30	MFWD 225	91,735	150	8	0.052	1.07	1.35	1.81	0.25	4.50	3.86	1.75	10.12
NT Plant&Pre-TwinRow	12R-30/40	MFWD 225	104,162	150	8	0.055	1.12	1.43	2.17	0.26	5.00	4.62	1.84	11.47
NT Plant&Pre-TwinRow	8R-30/40	MFWD 225	85,944	150	8	0.083	1.69	2.14	2.69	0.40	6.94	5.72	2.77	15.44
NT Plant-Folding	8R-38	MFWD 170	41,094	150	8	0.077	1.57	1.50	1.19	0.30	4.58	2.54	2.07	9.19

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
NT Plant-Folding	8R-38 2x1	MFWD 170	60,826	150	8	0.051	1.04	1.00	1.17	0.19	3.43	2.50	1.37	7.31
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	1.59	1.70	1.53	0.31	5.14	3.26	2.17	10.58
NT Plant-Folding	12R-20	MFWD 190	61,574	150	8	0.098	1.99	2.13	2.26	0.39	6.78	4.82	2.72	14.33
NT Plant-Folding	12R-30	MFWD 190	65,113	150	8	0.065	1.32	1.42	1.59	0.26	4.61	3.39	1.81	9.82
NT Plant-Folding	12R-38	MFWD 190	60,826	150	8	0.051	1.04	1.12	1.17	0.20	3.55	2.50	1.43	7.49
NT Plant-Folding	16R-30	MFWD 190	84,460	150	8	0.049	0.99	1.06	1.55	0.19	3.81	3.30	1.36	8.48
NT Plant-Folding	23R-15	MFWD 190	103,775	150	8	0.068	1.38	1.48	2.65	0.27	5.79	5.64	1.89	13.32
NT Plant-Folding	24R-15	MFWD 225	107,193	150	8	0.065	1.32	1.68	2.63	0.31	5.95	5.59	2.17	13.72
NT Plant-Folding	24R-20	MFWD 190	115,874	150	8	0.049	0.99	1.06	2.13	0.19	4.39	4.53	1.36	10.29
NT Plant-Folding	24R-30	MFWD 190	138,752	150	8	0.032	0.66	0.71	1.70	0.13	3.21	3.62	0.90	7.73
NT Plant-Folding	31R-15	MFWD 225	120,372	150	8	0.050	1.02	1.30	2.29	0.24	4.87	4.87	1.68	11.42
NT Plant-Folding	32R-15	MFWD 225	134,778	150	8	0.049	0.99	1.26	2.48	0.23	4.97	5.27	1.63	11.88
NT Plant-Folding	32R-30	MFWD 225	202,399	150	8	0.024	0.49	0.63	1.86	0.11	3.11	3.96	0.81	7.88
NT Plant-Folding	36R-20	MFWD 225	153,712	150	8	0.032	0.66	0.84	1.88	0.15	3.55	4.01	1.08	8.64
NT Plant-Folding	36R-30	MFWD 225	242,266	150	8	0.021	0.44	0.56	1.98	0.10	3.09	4.21	0.72	8.03
NT Plant-Rigid	4R-30	2WD 130	19,762	150	8	0.196	3.98	2.91	1.45	0.51	8.87	3.09	3.43	15.40
NT Plant-Rigid	4R-38	2WD 130	20,070	150	8	0.154	3.13	2.29	1.16	0.40	7.00	2.47	2.70	12.18
NT Plant-Rigid	6R-30	MFWD 150	26,774	150	8	0.130	2.65	2.24	1.31	0.44	6.65	2.79	2.92	12.38
NT Plant-Rigid	6R-38	MFWD 150	26,536	150	8	0.103	2.09	1.77	1.02	0.34	5.24	2.18	2.31	9.74
NT Plant-Rigid	8R-30	MFWD 170	34,072	150	8	0.098	1.99	1.90	1.25	0.37	5.53	2.66	2.62	10.82
NT Plant-Rigid	8R-38	MFWD 170	30,750	150	8	0.077	1.57	1.50	0.89	0.30	4.27	1.90	2.07	8.25
NT Plant-Rigid	10R-30	MFWD 190	33,100	150	8	0.078	1.59	1.70	0.97	0.31	4.59	2.07	2.17	8.84
NT Plant-Rigid	11R-15	MFWD 170	39,191	150	8	0.133	2.71	2.59	1.96	0.51	7.78	4.17	3.56	15.52
NT Plant-Rigid	11R-20	MFWD 170	37,379	150	8	0.107	2.17	2.08	1.50	0.41	6.18	3.19	2.86	12.24
NT Plant-Rigid	12R-20	MFWD 190	44,094	150	8	0.098	1.99	2.13	1.62	0.39	6.14	3.45	2.72	12.31
NT Plant-Rigid	12R-30	MFWD 190	50,168	150	8	0.065	1.32	1.42	1.23	0.26	4.24	2.61	1.81	8.67
NT Plant-Rigid	13R-18/20	MFWD 225	41,380	150	8	0.090	1.84	2.33	1.41	0.43	6.03	2.99	3.01	12.05
NT Plant-Rigid	15R-15	MFWD 190	50,936	150	8	0.105	2.13	2.28	2.00	0.42	6.83	4.26	2.91	14.01
NT Plant-Rigid	15R-20	MFWD 190	46,076	150	8	0.078	1.59	1.70	1.35	0.31	4.97	2.88	2.17	10.03
NT Plant-Rigid	16R-30	MFWD 225	85,715	150	8	0.049	0.99	1.26	1.57	0.23	4.07	3.35	1.63	9.05
NT Plant-TwinRow	12R-30/40	MFWD 225	97,693	150	8	0.051	1.04	1.32	1.89	0.24	4.51	4.02	1.71	10.26
NT Plant-TwinRow	8R-30/40	MFWD 225	80,921	150	8	0.077	1.57	1.99	2.35	0.37	6.30	5.00	2.57	13.88
One Trip Plow	4R-38	MFWD 170	21,959	150	10	0.146	1.64	2.85	1.50	0.56	6.56	2.51	3.91	12.99
One Trip Plow	6R-38	MFWD 190	24,276	150	10	0.097	1.09	2.11	1.10	0.39	4.69	1.84	2.69	9.23
One Trip Plow	8R-38	MFWD 225	36,003	150	10	0.073	0.83	1.90	1.24	0.35	4.32	2.07	2.45	8.85
Paratill & Bed Fold.	8R-38	MFWD 225	38,732	150	12	0.080	0.90	2.07	1.12	0.38	4.50	2.19	2.68	9.37
Paratill & Bed Fold.	8R-38 2x1	MFWD 225	51,707	150	12	0.053	0.60	1.38	1.00	0.25	3.24	1.95	1.78	6.98
Paratill & Bed Fold.	10R-30	MFWD 225	32,137	150	12	0.081	0.91	2.10	0.94	0.39	4.36	1.84	2.71	8.91
Paratill & Bed Fold.	12R-38	MFWD 225	51,707	150	12	0.053	0.60	1.38	1.00	0.25	3.24	1.95	1.78	6.98
Paratill & Bed Rigid	4R-30	MFWD 225	13,795	150	12	0.204	2.29	5.25	1.01	0.98	9.54	1.97	6.78	18.31
Paratill & Bed Rigid	4R-38	MFWD 225	13,087	150	12	0.160	1.80	4.13	0.76	0.77	7.47	1.47	5.34	14.29
Paratill & Bed Rigid	6R-30	MFWD 225	18,932	150	12	0.136	1.52	3.50	0.93	0.65	6.61	1.81	4.52	12.95
Paratill & Bed Rigid	6R-38	MFWD 225	18,426	150	12	0.107	1.20	2.76	0.71	0.51	5.20	1.39	3.57	10.16
Paratill & Bed Rigid	8R-30	MFWD 225	23,794	150	12	0.102	1.14	2.62	0.87	0.49	5.14	1.70	3.39	10.24
Paratill & Bed Rigid	8R-38	MFWD 225	23,989	150	12	0.080	0.90	2.07	0.69	0.38	4.07	1.35	2.68	8.11
Paratill & Bed Rigid	10R-30	MFWD 225	24,422	150	12	0.081	0.91	2.10	0.72	0.39	4.13	1.40	2.71	8.24
Peanut Cond.& Lifter	6-Row	MFWD 190	12,255	300	20	0.100	1.12	2.17	0.20	0.40	3.89	0.34	2.77	7.02
Peanut Conditioner	6-Row	MFWD 190	12,488	300	20	0.100	1.12	2.17	0.24	0.40	3.94	0.32	2.77	7.04
Peanut Dig/Invertor	4R-30	MFWD 190	25,098	300	15	0.235	2.64	5.12	1.47	0.94	10.18	1.97	6.53	18.70
Peanut Dig/Invertor	4R-38	MFWD 190	25,098	300	15	0.186	2.09	4.04	1.16	0.74	8.04	1.56	5.16	14.76
Peanut Dig/Invertor	6R-38	MFWD 190	35,640	300	15	0.124	1.39	2.69	0.77	0.49	5.36	1.47	3.44	10.27
Peanut Dump Cart	6-Row	MFWD 190	38,771	300	20	0.310	3.48	6.73	0.70	1.24	12.15	3.32	8.59	24.07
Peanut Harvester	4R-30	MFWD 225	118,808	300	20	0.849	9.54	21.85	5.72	4.08	41.20	26.21	28.22	95.64
Peanut Harvester	4R-38	MFWD 225	118,808	300	20	0.934	10.49	24.02	6.29	4.49	45.30	29.77	31.02	106.11
Peanut Harvester	6R-38	MFWD 225	135,617	300	20	0.625	7.01	16.06	4.09	3.00	30.18	22.73	20.75	73.67
Peanut Lifter	6-Row	MFWD 225	5,483	300	20	0.100	1.12	2.57	0.11	0.48	4.28	0.14	3.32	7.75
Peanut Plt&Pre Fold.	12R-38	MFWD 190	61,161	150	8	0.080	1.63	1.74	1.84	0.32	5.54	3.92	2.22	11.69
Peanut Plt&Pre Rigid	8R-30	MFWD 190	35,004	150	8	0.152	3.09	3.31	2.00	0.61	9.03	4.26	4.23	17.53
Peanut Plt&Pre Rigid	8R-38	MFWD 190	28,962	150	8	0.120	2.45	2.62	1.31	0.48	6.86	2.78	3.34	13.00
Pipe Spool 160ac	1/4m roll	2WD 130	3,850	15	12	0.003	0.09	0.04	0.00	0.00	0.15	0.08	0.05	0.29
Pipe Trailer 1m/160a	30'	2WD 130	1,122	100	15	0.003	0.17	0.05	0.00	0.00	0.24	0.00	0.06	0.31
Plant & Pre-Folding	8R-38	MFWD 170	42,027	150	8	0.080	1.62	1.55	1.26	0.31	4.76	2.68	2.14	9.59
Plant & Pre-Folding	8R-38 2x1	MFWD 170	61,161	150	8	0.053	1.08	1.03	1.22	0.20	3.55	2.60	1.42	7.58
Plant & Pre-Folding	10R-30	MFWD 190	52,920	150	8	0.081	1.64	1.76	1.61	0.32	5.34	3.42	2.25	11.02
Plant & Pre-Folding	12R-15	MFWD 225	96,386	150	8	0.135	2.13	3.48	4.89	0.65	11.15	10.40	4.49	26.05
Plant & Pre-Folding	12R-20	MFWD 190	60,462	150	8	0.101	2.06	2.20	2.30	0.40	6.97	4.89	2.81	14.68
Plant & Pre-Folding	12R-30	MFWD 190	64,001	150	8	0.067	1.37	1.46	1.62	0.27	4.73	3.45	1.87	10.07
Plant & Pre-Folding	12R-38	MFWD 190	61,161	150	8	0.053	1.08	1.16	1.22	0.21	3.68	2.60	1.48	7.77
Plant & Pre-Folding	16R-30	MFWD 190	82,750	150	8	0.050	1.03	1.10	1.57	0.20	3.91	3.34	1.40	8.66
Plant & Pre-Folding	23R-15	MFWD 190	97,040	150	8	0.070	1.43	1.53	2.56	0.28	5.81	5.45	1.95	13.22
Plant & Pre-Folding	24R-15	MFWD 225	99,947	150	8	0.067	1.37	1.74	2.53	0.32	5.97	5.39	2.24	13.61
Plant & Pre-Folding	24R-20	MFWD 190	110,075	150	8	0.050	1.03	1.10	2.09	0.20	4.43	4.45	1.40	10.29
Plant & Pre-Folding	24R-30	MFWD 190	137,427	150	8	0.033	0.68	0.73	1.74	0.13	3.30	3.70	0.93	7.94
Plant & Pre-Folding	31R-15	MFWD 225	115,469	150	8	0.052	1.06	1.34	2.27	0.25	4.93	4.82	1.74	11.50
Plant & Pre-Folding	32R-15	MFWD 225	129,363	150	8	0.050	1.03	1.30	2.46	0.24	5.04	5.23	1.68	11.96
Plant & Pre-Folding	32R-30	MFWD 225	195,147	150	8	0.025	0.51	0.65	1.85	0.12	3.14	3.94	0.84	7.93
Plant & Pre-Folding	36R-20	MFWD 225	146,253	150	8	0.033	0.68	0.87	1.85	0.16	3.57	3.94	1.12	8.64
Plant & Pre-Folding	36R-30	MFWD 225	234,807	150	8	0.022	0.45	0.58	1.98	0.10	3.13	4.22	0.74	8.10
Plant & Pre-Rigid	4R-30	2WD 130	22,740	150	8	0.203	4.12	3.01	1.73	0.53	9.40	3.68	3.55	16.63

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Plant & Pre-Rigid	4R-38	2WD 130	23,047	150	8	0.159	3.24	2.37	1.38	0.42	7.42	2.93	2.79	13.15
Plant & Pre-Rigid	6R-30	MFWD 150	29,752	150	8	0.135	2.74	2.32	1.51	0.45	7.03	3.21	3.02	13.27
Plant & Pre-Rigid	6R-38	MFWD 150	28,491	150	8	0.106	2.16	1.83	1.14	0.35	5.50	2.42	2.38	10.31
Plant & Pre-Rigid	8R-30	MFWD 170	35,004	150	8	0.101	2.06	1.97	1.33	0.39	5.75	2.83	2.71	11.30
Plant & Pre-Rigid	8R-38	MFWD 170	31,683	150	8	0.080	1.62	1.55	0.95	0.31	4.45	2.02	2.14	8.62
Plant & Pre-Rigid	10R-30	MFWD 190	33,011	150	8	0.081	1.64	1.76	1.00	0.32	4.74	2.13	2.25	9.13
Plant & Pre-Rigid	11R-15	MFWD 170	38,590	150	8	0.148	3.00	2.87	2.14	0.57	8.60	4.56	3.95	17.12
Plant & Pre-Rigid	11R-20	MFWD 170	36,778	150	8	0.110	2.25	2.15	1.53	0.42	6.36	3.25	2.96	12.58
Plant & Pre-Rigid	12R-20	MFWD 190	42,982	150	8	0.101	2.06	2.20	1.63	0.40	6.30	3.47	2.81	12.60
Plant & Pre-Rigid	12R-30	MFWD 190	49,056	150	8	0.067	1.37	1.46	1.24	0.27	4.36	2.64	1.87	8.88
Plant & Pre-Rigid	13R-18/20	MFWD 225	41,375	150	8	0.093	1.89	2.40	1.45	0.44	6.20	3.08	3.10	12.40
Plant & Pre-Rigid	15R-15	MFWD 190	49,737	150	8	0.108	2.20	2.35	2.02	0.43	7.02	4.30	3.01	14.34
Plant & Pre-Rigid	15R-20	MFWD 190	45,144	150	8	0.081	1.64	1.76	1.37	0.32	5.11	2.92	2.25	10.28
Plant & Pre-Rigid	16R30	MFWD 225	84,319	150	8	0.050	1.03	1.30	1.60	0.24	4.18	3.41	1.68	9.28
Plant & Pre-TwinRow	12R-30/40	MFWD 225	98,028	150	8	0.053	1.08	1.37	1.96	0.25	4.67	4.17	1.77	10.63
Plant & Pre-TwinRow	8R-30/40	MFWD 225	76,832	150	8	0.080	1.62	2.06	2.31	0.38	6.39	4.91	2.66	13.97
Plant - Folding	8R-38	MFWD 170	37,005	150	8	0.074	1.51	1.44	1.03	0.28	4.28	2.19	1.98	8.47
Plant - Folding	8R-38 2x1	MFWD 170	54,691	150	8	0.049	1.00	0.96	1.01	0.19	3.18	2.16	1.32	6.66
Plant - Folding	10R-30	MFWD 190	47,426	150	8	0.075	1.53	1.63	1.34	0.30	4.81	2.85	2.09	9.75
Plant - Folding	12R-15	MFWD 225	91,366	150	8	0.135	2.13	3.48	4.63	0.65	10.90	9.86	4.49	25.25
Plant - Folding	12R-20	MFWD 190	55,440	150	8	0.094	1.91	2.04	1.96	0.37	6.29	4.16	2.61	13.08
Plant - Folding	12R-30	MFWD 190	58,979	150	8	0.062	1.27	1.36	1.39	0.25	4.28	2.95	1.74	8.98
Plant - Folding	12R-38	MFWD 190	54,691	150	8	0.049	1.00	1.07	1.01	0.19	3.30	2.16	1.37	6.84
Plant - Folding	16R-30	MFWD 190	76,281	150	8	0.047	0.95	1.02	1.34	0.18	3.51	2.86	1.30	7.69
Plant - Folding	23R-15	MFWD 190	92,018	150	8	0.065	1.32	1.42	2.25	0.26	5.27	4.80	1.81	11.89
Plant - Folding	24R-15	MFWD 225	94,924	150	8	0.062	1.27	1.61	2.23	0.30	5.43	4.75	2.08	12.27
Plant - Folding	24R-20	MFWD 190	103,605	150	8	0.047	0.95	1.02	1.83	0.18	4.00	3.89	1.30	9.20
Plant - Folding	24R-30	MFWD 190	126,483	150	8	0.031	0.63	0.68	1.49	0.12	2.93	3.16	0.87	6.97
Plant - Folding	31R-15	MFWD 225	104,525	150	8	0.048	0.98	1.25	1.91	0.23	4.38	4.06	1.61	10.06
Plant - Folding	32R-15	MFWD 225	118,419	150	8	0.047	0.95	1.21	2.09	0.22	4.48	4.45	1.56	10.50
Plant - Folding	32R-30	MFWD 225	187,567	150	8	0.023	0.47	0.60	1.65	0.11	2.85	3.52	0.78	7.16
Plant - Folding	36R-20	MFWD 225	135,309	150	8	0.031	0.63	0.80	1.59	0.15	3.19	3.39	1.04	7.62
Plant - Folding	36R-30	MFWD 225	223,863	150	8	0.020	0.42	0.53	1.75	0.10	2.82	3.73	0.69	7.25
Plant - Rigid	4R-30	2WD 130	17,717	150	8	0.188	3.82	2.80	1.25	0.49	8.37	2.66	3.29	14.33
Plant - Rigid	4R-38	2WD 130	18,025	150	8	0.148	3.01	2.20	1.00	0.39	6.61	2.13	2.59	11.34
Plant - Rigid	6R-30	MFWD 150	24,730	150	8	0.125	2.55	2.15	1.16	0.42	6.29	2.47	2.81	11.58
Plant - Rigid	6R-38	MFWD 150	23,469	150	8	0.099	2.01	1.70	0.87	0.33	4.92	1.85	2.21	8.99
Plant - Rigid	8R-30	MFWD 170	29,982	150	8	0.094	1.91	1.83	1.06	0.36	5.16	2.25	2.51	9.93
Plant - Rigid	8R-38	MFWD 170	26,660	150	8	0.074	1.51	1.44	0.74	0.28	3.99	1.58	1.98	7.56
Plant - Rigid	10R-30	MFWD 190	27,988	150	8	0.075	1.53	1.63	0.79	0.30	4.26	1.68	2.09	8.03
Plant - Rigid	11R-15	MFWD 170	33,567	150	8	0.137	2.79	2.67	1.73	0.53	7.73	3.68	3.67	15.08
Plant - Rigid	11R-20	MFWD 170	31,756	150	8	0.103	2.09	2.00	1.22	0.39	5.71	2.60	2.75	11.07
Plant - Rigid	12R-20	MFWD 190	37,959	150	8	0.094	1.91	2.04	1.34	0.37	5.68	2.85	2.61	11.14
Plant - Rigid	12R-30	MFWD 190	44,033	150	8	0.062	1.27	1.36	1.03	0.25	3.93	2.20	1.74	7.88
Plant - Rigid	13R-18/20	MFWD 225	35,355	150	8	0.086	1.76	2.23	1.15	0.41	5.56	2.44	2.88	10.90
Plant - Rigid	15R-15	2WD 150	43,268	150	8	0.094	1.91	1.61	1.52	0.29	5.35	3.25	1.93	10.53
Plant - Rigid	15R-20	MFWD 190	39,124	150	8	0.075	1.53	1.63	1.10	0.30	4.57	2.35	2.09	9.02
Plant - Rigid	16R-30	MFWD 225	78,299	150	8	0.047	0.95	1.21	1.38	0.22	3.77	2.94	1.56	8.28
Plant - TwinRow	12R-30/40	MFWD 225	91,558	150	8	0.049	1.00	1.27	1.70	0.23	4.22	3.62	1.64	9.49
Plant - TwinRow	8R-30/40	MFWD 225	81,854	150	8	0.074	1.51	1.91	2.28	0.35	6.07	4.86	2.47	13.41
Ridge Till Cult + PD	8R-30	2WD 150	30,140	200	12	0.110	1.73	1.88	1.58	0.34	5.54	1.79	2.25	9.59
Ridge Till Cult + PD	12R-30	2WD 190	41,293	200	12	0.073	1.15	1.59	1.45	0.25	4.45	1.63	1.74	7.82
Ridge Till Cultivate	8R-30	2WD 170	25,118	200	12	0.103	1.15	2.00	1.24	0.34	4.75	1.40	2.40	8.56
Ridge Till Cultivate	12R-30	2WD 190	36,271	200	12	0.068	0.77	1.49	1.19	0.23	3.69	1.34	1.63	6.67
Rip/Bed/Till-Fold.	8R-38	MFWD 190	34,080	300	20	0.073	0.82	1.58	0.12	0.29	2.82	0.68	2.02	5.54
Rip/Bed/Till-Fold.	12R-30	MFWD 225	47,583	300	20	0.061	0.69	1.58	0.14	0.29	2.71	0.81	2.04	5.57
Rip/Bed/Till-Fold.	12R-38	MFWD 225	47,583	300	20	0.046	0.51	1.18	0.10	0.22	2.03	0.60	1.53	4.18
Rip/Bed/Till-Rigid	4R-30	MFWD 190	15,062	300	20	0.184	2.07	4.01	0.13	0.74	6.97	0.77	5.12	12.86
Rip/Bed/Till-Rigid	4R-38	MFWD 190	15,062	300	20	0.146	1.64	3.18	0.11	0.58	5.53	0.61	4.06	10.21
Rip/Bed/Till-Rigid	6R-38	MFWD 190	22,010	300	20	0.097	1.09	2.11	0.10	0.39	3.70	0.59	2.69	6.99
Rip/Bed/Till-Rigid	8R-30	MFWD 190	27,931	300	20	0.139	1.56	3.01	0.19	0.55	5.33	1.07	3.85	10.25
Rip/Bed/Till-Rigid	8R-38	MFWD 190	27,931	300	20	0.073	0.82	1.58	0.10	0.29	2.80	0.56	2.02	5.39
Rip/Bed/Till-Rigid	6R-30	MFWD 190	22,010	300	20	0.123	1.38	2.67	0.13	0.49	4.69	0.75	3.41	8.85
Ripper Conditioner	6-Row	MFWD 225	20,225	150	12	0.107	1.20	2.76	0.78	0.51	5.27	1.52	3.57	10.37
Ripper Conditioner	8-Row	MFWD 225	24,150	150	12	0.080	0.90	2.07	0.70	0.38	4.07	1.36	2.68	8.12
Roller/Cultipacker	12'	2WD 130	5,583	300	12	0.124	1.39	1.84	0.16	0.32	3.73	0.25	2.17	6.16
Roller/Cultipacker	20'	MFWD 150	14,448	300	12	0.074	0.83	1.27	0.25	0.25	2.62	0.38	1.66	4.68
Roller/Cultipacker	30'	MFWD 170	16,587	300	12	0.049	0.55	0.96	0.19	0.19	1.91	0.29	1.32	3.53
Roller/Cultipacker	38'	MFWD 225	17,933	300	12	0.039	0.44	1.01	0.16	0.18	1.80	0.25	1.30	3.36
Roller/Stubble	20'	2WD 50	12,128	300	12	0.074	0.83	0.42	0.21	0.04	1.52	0.32	0.33	2.18
Roller/Stubble	32'	MFWD 225	20,525	300	12	0.046	0.52	1.19	0.22	0.22	2.17	0.34	1.54	4.06
Rotary Cutter	7'	MFWD 130	4,057	185	10	0.168	1.89	2.50	0.55	0.48	5.42	0.43	3.19	9.04
Rotary Cutter	12'	2WD 150	10,160	185	10	0.098	1.10	1.68	0.80	0.30	3.89	0.63	2.01	6.54
Rotary Cutter-Flex	15'	MFWD 150	16,712	185	10	0.078	0.88	1.34	1.06	0.26	3.55	0.82	1.75	6.14
Rotary Cutter-Flex	20'	MFWD 150	24,540	185	10	0.058	0.66	1.01	1.17	0.19	3.04	0.91	1.31	5.27
Row Cond & Inc-Fold.	26'	MFWD 190	22,361	100	10	0.063	1.00	1.37	0.35	0.25	2.98	1.65	1.75	6.40
Row Cond & Inc-Fold.	38'	MFWD 225	27,316	100	10	0.043	0.68	1.11	0.29	0.20	2.30	1.38	1.44	5.13
Row Cond & Inc-Rigid	13'	2WD 130	11,165	100	10	0.126	2.00	1.88	0.35	0.33	4.57	1.65	2.21	8.45
Roller/Bed Shaper Rd	8R-38	MFWD 190	13,695	160	10	0.074	0.80	1.78	0.25	0.27	3.11	0.75	1.92	5.79

(continued)

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

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

Notes:
Labor: Includes labor from Power unit plus additional labor from the implement.
Total Direct: Does not include interest on operating capital.
HB = Hooded Boom, HD = Hooded Direct

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

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

(continued)

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

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

(continued)

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

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

(continued)

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

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

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

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

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

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

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

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

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

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

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

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

[e] Price used in the 2010 MAFES Planning Budgets.

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

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

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.27		0.01	0.28		0.28
Maintenance										
IRRIGATE LABOR	hour				1.07		0.02	1.09		1.09
Apply Water										
IRRIGATE LABOR	hour				0.15			0.15		0.15
Apply Water										
IRRIGATE LABOR	hour				0.20			0.20		0.20
Apply Water										
IRRIGATE LABOR	hour				0.15			0.15		0.15
Pivot, 1/4 CP	each			8.15			0.15	8.30	36.97	45.27
Well & Pump, 1/4 CP	each			2.40			0.05	2.45	8.20	10.65
Engine, 1/4 CP, 65	each								6.05	6.05
June Irr. 3app@.75"	ac-in		7.46	0.75			0.15	8.36		8.36
July Irr. 4app@.75"	ac-in		9.95	1.00			0.16	11.11		11.11
Aug Irr. 3app@.75"	ac-in		7.46	0.75			0.09	8.30		8.30
TOTALS		0.00	24.87	13.05	1.84	0.00	0.63	40.39	51.22	91.61

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

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