

**PEANUTS
2012
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2011-07**

December 2011

Foreword

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

Acknowledgments

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

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2012 Planning Budgets

Budgets for Agricultural Enterprises

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

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

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

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

Methods and Procedures

Production Practices

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

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 2011. (Appendix Tables 1, 2, and 3).

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

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

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

Estimates of Direct Costs

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

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

$$RPA = RPH \times PR$$

where:

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

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

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

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

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

Estimates of Fixed Costs

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

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

where:

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

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

where:

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

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

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

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

where:

CRCPH = Capital recovery charge per hour

HAU = Hours of annual use

CRCPA = Capital recovery charge per acre

PR = Performance rate

Estimates of Returns

It is difficult to estimate 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.

Enterprise Budgets

Table 1.A Estimated costs per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
 All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	28.65	0.4300	12.32	_____
Potash (60% K2O)	cwt	29.19	0.5200	15.18	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.30	54.0000	16.20	_____
Artisan	oz	0.85	64.0000	54.40	_____
Provost	oz	2.16	32.0000	69.12	_____
Bravo Ultrex	lb	6.83	2.8000	19.12	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	1.75	4.0000	7.00	_____
Dual II Magnum	pt	12.25	1.0000	12.25	_____
Storm	pt	11.56	3.0000	34.68	_____
Cadre	oz	3.16	2.4400	7.71	_____
Butoxone 200(2,4-D	pt	4.12	2.0000	8.24	_____
Poast Plus	pt	7.84	1.5000	11.76	_____
INSECTICIDES					
Phorate	lb	2.69	5.0000	13.45	_____
Karate Z	oz	2.73	1.5000	4.10	_____
SEED/PLANTS					
Peanut Seed	lb	1.25	110.0000	137.50	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	3.36	6.0000	20.16	_____
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	44.00	1.0000	44.00	_____
INOCULANT					
Optimize LIFT	oz	0.58	14.8000	8.58	_____
OPERATOR LABOR					
Tractors	hour	11.60	1.6246	18.85	_____
Self-Propelled	hour	11.60	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	11.56	1.5324	17.72	_____
DIESEL FUEL					
Tractors	gal	3.40	17.5722	59.75	_____
Self-Propelled	gal	3.40	1.6470	5.61	_____
REPAIR & MAINTENANCE					
Implements	acre	8.95	1.0000	8.95	_____
Tractors	acre	8.67	1.0000	8.67	_____
Self-Propelled	acre	1.49	1.0000	1.49	_____
INTEREST ON OP. CAP.	acre	8.45	1.0000	8.45	_____
TOTAL DIRECT EXPENSES				717.53	_____
FIXED EXPENSES					
Implements	acre	30.90	1.0000	30.90	_____
Tractors	acre	55.41	1.0000	55.41	_____
Self-Propelled	acre	10.23	1.0000	10.23	_____
TOTAL FIXED EXPENSES				96.54	_____
TOTAL SPECIFIED EXPENSES				814.07	_____

Note: Cost of production estimates are based on 2011 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	750.00	1.8000	1350.00	_____

TOTAL INCOME				1350.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	27.50	1.0000	27.50	_____
FUNGICIDES	acre	158.84	1.0000	158.84	_____
HERBICIDES	acre	81.64	1.0000	81.64	_____
INSECTICIDES	acre	17.55	1.0000	17.55	_____
SEED/PLANTS	acre	137.50	1.0000	137.50	_____
ADJUVANTS	acre	20.16	1.0000	20.16	_____
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	44.00	1.0000	44.00	_____
INOCULANT	acre	8.58	1.0000	8.58	_____
HAND LABOR	hour	9.06	0.2662	2.41	_____
OPERATOR LABOR	hour	11.60	1.9155	22.15	_____
UNALLOCATED LABOR	hour	11.56	1.5324	17.72	_____
DIESEL FUEL	gal	3.40	19.2193	65.36	_____
REPAIR & MAINTENANCE	acre	19.11	1.0000	19.11	_____
INTEREST ON OP. CAP.	acre	8.45	1.0000	8.45	_____

TOTAL DIRECT EXPENSES				717.53	_____
RETURNS ABOVE DIRECT EXPENSES				632.47	_____
TOTAL FIXED EXPENSES				96.54	_____

TOTAL SPECIFIED EXPENSES				814.07	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				535.93	_____

Note: Cost of production estimates are based on 2011 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, 2012

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'	125hp	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				
Bed-Rip/Disk 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'	125hp	0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	May			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.0000				
Butoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.4400				
Butoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60'	125hp	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'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60'	125hp	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							1.91	1.62	2.18	1.53

Note: Cost of production estimates are based on 2011 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, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Glyphosate 3lbs a.e.	pt	7.00						0.15	7.15		7.15
Lime (Spread)	ton	44.00						0.94	44.94		44.94
Custom Apply Fert	acre	7.00						0.15	7.15		7.15
Phosphorus(46% P2O5)	cwt	12.32						0.26	12.58		12.58
Potash (60% K2O)	cwt	15.18						0.32	15.50		15.50
Bed-Rip/Disk Fold.	8R-38		2.43	0.44	1.53			0.08	4.48	2.63	7.11
Peanut Plt&Pre Rigid	8R-38		4.02	2.05	3.61			0.17	9.85	6.39	16.24
Peanut Seed	lb	137.50						2.43	139.93		139.93
Optimize LIFT	oz	8.58						0.15	8.73		8.73
Phorate	lb	13.45						0.24	13.69		13.69
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Dual II Magnum	pt	12.25						0.22	12.47		12.47
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Tilt/ Bravo SE	oz	5.40						0.10	5.50		5.50
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Tilt/ Bravo SE	oz	5.40						0.08	5.48		5.48
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Storm	pt	17.34						0.25	17.59		17.59
Cadre	oz	3.16						0.04	3.20		3.20
Butoxone 200(2,4-D	pt	4.12						0.06	4.18		4.18
Crop Oil Conc.(Veg.)	pt	6.72						0.10	6.82		6.82
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Tilt/ Bravo SE	oz	5.40						0.08	5.48		5.48
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Artisan	oz	27.20						0.29	27.49		27.49
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.18	17.46		17.46
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Storm	pt	17.34						0.18	17.52		17.52
Cadre	oz	4.55						0.05	4.60		4.60
Butoxone 200(2,4-D	pt	4.12						0.04	4.16		4.16
Crop Oil Conc.(Veg.)	pt	6.72						0.07	6.79		6.79
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Poast Plus	pt	11.76						0.12	11.88		11.88
Crop Oil Conc.(Veg.)	pt	6.72						0.07	6.79		6.79
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Bravo Ultrex	lb	9.56						0.10	9.66		9.66
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.18	17.46		17.46
Sprayer 300-450gal	60' 125hp		0.17	0.05	0.22				0.44	0.31	0.75
Karate Z	oz	4.10						0.03	4.13		4.13
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Artisan	oz	27.20						0.19	27.39		27.39
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.12	17.40		17.40
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Bravo Ultrex	lb	9.56						0.07	9.63		9.63
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.12	17.40		17.40
Peanut Dig/Invertor	4R-38		6.19	1.81	3.89			0.04	11.93	6.52	18.45
Peanut Harvester	4R-38		36.80	11.25	19.51			0.24	67.80	59.08	126.88
Peanut Dump Cart	6-Row		10.31	2.07	6.48			0.07	18.93	11.69	30.62
Dry Peanuts	ton	25.92						0.09	26.01		26.01
Cleaning Peanuts	ton	27.54						0.10	27.64		27.64
Haul Peanuts	ton	26.10						0.09	26.19		26.19
TOTALS		582.33	65.36	19.11	42.28	0.00	8.45	717.53	96.54	814.07	

Note: Cost of production estimates are based on 2011 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, 2012

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	1350.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	27.50	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	5.40	10.80	71.32	71.32	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.00	12.25	24.62	37.77	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	4.10	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137.50	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	6.72	13.44	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	44.00	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	8.58	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.44	6.02	1.32	2.64	1.98	29.88
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	0.34	7.13	1.02	2.04	1.53	53.30
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.67	0.27	0.54	0.41	15.13
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.84	3.43	0.64	1.34	0.57	0.63
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	88.21	196.43	45.39	129.09	79.91	178.50
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-88.21	-196.43	-45.39	-129.09	-79.91	1171.50
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-88.21	-284.64	-330.03	-459.12	-539.03	632.47

Note: Cost of production estimates are based on 2011 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, 2012

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
Peanut Runner			-----PRODUCT PRICE-----										
			562.50	600.00	637.50	675.00	712.50	750.00	787.50	825.00	862.50	900.00	937.50
PERCENT	YIELD	UNIT	-----dollars-----										
50	0.90	ton	-171 -267	-137 -234	-103 -200	-70 -166	-36 -132	-2 -99	31 -65	64 -31	98 2	132 35	166 69
60	1.08	ton	-78 -174	-37 -134	2 -93	43 -53	83 -12	124 27	164 68	205 108	245 149	286 189	326 230
70	1.26	ton	15 -81	62 -34	109 13	156 60	204 107	251 154	298 202	345 249	393 296	440 343	487 391
80	1.44	ton	108 11	162 65	216 119	270 173	324 227	378 281	432 335	486 389	540 443	594 497	648 551
90	1.62	ton	201 105	262 165	323 226	383 287	444 348	505 408	566 469	626 530	687 591	748 651	809 712
100	1.80	ton	294 198	362 265	429 333	497 400	564 468	632 535	699 603	767 670	834 738	902 805	969 873
110	1.98	ton	388 291	462 365	536 440	610 514	685 588	759 662	833 737	907 811	982 885	1056 959	1130 1034
120	2.16	ton	481 384	562 465	643 546	724 627	805 708	886 789	967 870	1048 951	1129 1032	1210 1113	1291 1194
130	2.34	ton	574 478	662 565	750 653	838 741	925 829	1013 916	1101 1004	1189 1092	1276 1180	1364 1267	1452 1355
140	2.52	ton	668 571	762 665	857 760	951 854	1046 949	1140 1043	1235 1138	1329 1232	1424 1327	1518 1421	1613 1516
150	2.70	ton	761 664	862 766	963 867	1065 968	1166 1069	1267 1171	1368 1272	1470 1373	1571 1474	1672 1576	1773 1677

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

Table 2.A Estimated costs per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
 All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	28.65	0.4300	12.32	_____
Potash (60% K2O)	cwt	29.19	0.5200	15.18	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.30	54.0000	16.20	_____
Artisan	oz	0.85	48.0000	40.80	_____
Provost	oz	2.16	32.0000	69.12	_____
Bravo Ultrex	lb	6.83	2.8000	19.12	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	1.75	4.0000	7.00	_____
Dual II Magnum	pt	12.25	1.0000	12.25	_____
Storm	pt	11.56	3.0000	34.68	_____
Cadre	oz	3.16	2.4400	7.71	_____
Butoxone 200(2,4-D	pt	4.12	2.0000	8.24	_____
Poast Plus	pt	7.84	1.5000	11.76	_____
INSECTICIDES					
Phorate	lb	2.69	5.0000	13.45	_____
Karate Z	oz	2.73	1.5000	4.10	_____
SEED/PLANTS					
Peanut Seed	lb	1.25	110.0000	137.50	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	3.36	6.0000	20.16	_____
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	44.00	1.0000	44.00	_____
INOCULANT					
Optimize LIFT	oz	0.58	14.8000	8.58	_____
OPERATOR LABOR					
Tractors	hour	11.60	1.7225	19.98	_____
Self-Propelled	hour	11.60	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	11.56	1.6107	18.63	_____
DIESEL FUEL					
Tractors	gal	3.40	18.5301	63.00	_____
Self-Propelled	gal	3.40	1.6470	5.61	_____
REPAIR & MAINTENANCE					
Implements	acre	9.63	1.0000	9.63	_____
Tractors	acre	9.10	1.0000	9.10	_____
Self-Propelled	acre	1.49	1.0000	1.49	_____
INTEREST ON OP. CAP.	acre	8.48	1.0000	8.48	_____
TOTAL DIRECT EXPENSES				710.65	_____
FIXED EXPENSES					
Implements	acre	32.41	1.0000	32.41	_____
Tractors	acre	58.21	1.0000	58.21	_____
Self-Propelled	acre	10.23	1.0000	10.23	_____
TOTAL FIXED EXPENSES				100.85	_____
TOTAL SPECIFIED EXPENSES				811.50	_____

Note: Cost of production estimates are based on 2011 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	750.00	1.8000	1350.00	_____

TOTAL INCOME				1350.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	27.50	1.0000	27.50	_____
FUNGICIDES	acre	145.24	1.0000	145.24	_____
HERBICIDES	acre	81.64	1.0000	81.64	_____
INSECTICIDES	acre	17.55	1.0000	17.55	_____
SEED/PLANTS	acre	137.50	1.0000	137.50	_____
ADJUVANTS	acre	20.16	1.0000	20.16	_____
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	44.00	1.0000	44.00	_____
INOCULANT	acre	8.58	1.0000	8.58	_____
HAND LABOR	hour	9.06	0.2982	2.70	_____
OPERATOR LABOR	hour	11.60	2.0134	23.28	_____
UNALLOCATED LABOR	hour	11.56	1.6107	18.63	_____
DIESEL FUEL	gal	3.40	20.1771	68.61	_____
REPAIR & MAINTENANCE	acre	20.22	1.0000	20.22	_____
INTEREST ON OP. CAP.	acre	8.48	1.0000	8.48	_____

TOTAL DIRECT EXPENSES				710.65	_____
RETURNS ABOVE DIRECT EXPENSES				639.35	_____
TOTAL FIXED EXPENSES				100.85	_____

TOTAL SPECIFIED EXPENSES				811.50	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				538.50	_____

Note: Cost of production estimates are based on 2011 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, 2012

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' 125hp		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					
Bed-Rip/Disk 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' 125hp		0.017	1.00	May			0.01	0.02	0.01	
Dual II Magnum	pt					1.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	May			0.01	0.02	0.01	
Tilt/ Bravo SE	oz					18.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01	
Tilt/ Bravo SE	oz					18.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01	
Storm	pt					1.5000					
Cadre	oz					1.0000					
Butoxone 200(2,4-D	pt					1.0000					
Crop Oil Conc.(Veg.)	pt					2.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01	
Tilt/ Bravo SE	oz					18.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01	
Artisan	oz					32.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01	
Provost	oz					8.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01	
Storm	pt					1.5000					
Cadre	oz					1.4400					
Butoxone 200(2,4-D	pt					1.0000					
Crop Oil Conc.(Veg.)	pt					2.0000					
Sprayer 300-450gal	60' 125hp		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' 125hp		0.017	1.00	Jul			0.01	0.02	0.01	
Bravo Ultrex	lb					1.4000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01	
Provost	oz					8.0000					
Sprayer 300-450gal	60' 125hp		0.017	0.50	Aug			0.00	0.01	0.00	
Karate Z	oz					1.5000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01	
Artisan	oz					16.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01	
Provost	oz					8.0000					
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01	
Bravo Ultrex	lb					1.4000					
Sprayer 300-450gal	60' 125hp		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 2011 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, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Glyphosate 3lbs a.e.	pt	7.00						0.15	7.15		7.15
Lime (Spread)	ton	44.00						0.94	44.94		44.94
Custom Apply Fert	acre	7.00						0.15	7.15		7.15
Phosphorus(46% P2O5)	cwt	12.32						0.26	12.58		12.58
Potash (60% K2O)	cwt	15.18						0.32	15.50		15.50
Bed-Rip/Disk Rigid	8R-30		4.62	0.80	2.90			0.15	8.47	4.83	13.30
Peanut Plt&Pre Rigid	8R-30		5.08	2.80	4.57			0.22	12.67	8.50	21.17
Peanut Seed	lb	137.50						2.43	139.93		139.93
Optimize LIFT	oz	8.58						0.15	8.73		8.73
Phorate	lb	13.45						0.24	13.69		13.69
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Dual II Magnum	pt	12.25						0.22	12.47		12.47
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Tilt/ Bravo SE	oz	5.40						0.10	5.50		5.50
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Tilt/ Bravo SE	oz	5.40						0.08	5.48		5.48
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Storm	pt	17.34						0.25	17.59		17.59
Cadre	oz	3.16						0.04	3.20		3.20
Butoxone 200(2,4-D	pt	4.12						0.06	4.18		4.18
Crop Oil Conc.(Veg.)	pt	6.72						0.10	6.82		6.82
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Tilt/ Bravo SE	oz	5.40						0.08	5.48		5.48
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Artisan	oz	27.20						0.29	27.49		27.49
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.18	17.46		17.46
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Storm	pt	17.34						0.18	17.52		17.52
Cadre	oz	4.55						0.05	4.60		4.60
Butoxone 200(2,4-D	pt	4.12						0.04	4.16		4.16
Crop Oil Conc.(Veg.)	pt	6.72						0.07	6.79		6.79
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Poast Plus	pt	11.76						0.12	11.88		11.88
Crop Oil Conc.(Veg.)	pt	6.72						0.07	6.79		6.79
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Bravo Ultrex	lb	9.56						0.10	9.66		9.66
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.18	17.46		17.46
Sprayer 300-450gal	60' 125hp		0.17	0.05	0.22				0.44	0.31	0.75
Karate Z	oz	4.10						0.03	4.13		4.13
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Artisan	oz	13.60						0.10	13.70		13.70
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.12	17.40		17.40
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Bravo Ultrex	lb	9.56						0.07	9.63		9.63
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.12	17.40		17.40
Peanut Dig/Invertor	4R-38		6.19	1.81	3.89			0.04	11.93	6.52	18.45
Peanut Harvester	4R-38		36.80	11.25	19.51			0.24	67.80	59.08	126.88
Peanut Dump Cart	6-Row		10.31	2.07	6.48			0.07	18.93	11.69	30.62
Dry Peanuts	ton	25.92						0.09	26.01		26.01
Cleaning Peanuts	ton	27.54						0.10	27.64		27.64
Haul Peanuts	ton	26.10						0.09	26.19		26.19
TOTALS		568.73	68.61	20.22	44.61	0.00	8.48	710.65	100.85	811.50	

Note: Cost of production estimates are based on 2011 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, 2012

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	1350.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	27.50	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	5.40	10.80	71.32	57.72	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.00	12.25	24.62	37.77	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	4.10	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137.50	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	6.72	13.44	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	44.00	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	8.58	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.44	8.35	1.32	2.64	1.98	29.88
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	0.34	10.38	1.02	2.04	1.53	53.30
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.09	3.78	0.27	0.54	0.41	15.13
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.84	3.55	0.64	1.34	0.48	0.63
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	88.21	203.24	45.39	129.09	66.22	178.50
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-88.21	-203.24	-45.39	-129.09	-66.22	1171.50
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-88.21	-291.45	-336.84	-465.93	-532.15	639.35

Note: Cost of production estimates are based on 2011 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, 2012

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Peanut Runner			562.50	600.00	637.50	675.00	712.50	750.00	787.50	825.00	862.50	900.00	937.50
PERCENT	YIELD	UNIT	-----dollars-----										
50	0.90	ton	-164	-130	-96	-63	-29	4	38	71	105	139	173
			-265	-231	-197	-164	-130	-96	-62	-29	4	38	72
60	1.08	ton	-71	-30	9	50	90	131	171	212	252	293	333
			-172	-131	-91	-50	-10	30	70	111	151	192	232
70	1.26	ton	22	69	116	163	211	258	305	352	400	447	494
			-78	-31	15	62	110	157	204	251	299	346	393
80	1.44	ton	115	169	223	277	331	385	439	493	547	601	655
			14	68	122	176	230	284	338	392	446	500	554
90	1.62	ton	208	269	330	390	451	512	573	633	694	755	816
			107	168	229	289	350	411	472	532	593	654	715
100	1.80	ton	301	369	436	504	571	639	706	774	841	909	976
			201	268	336	403	471	538	606	673	741	808	876
110	1.98	ton	395	469	543	617	692	766	840	914	989	1063	1137
			294	368	442	517	591	665	739	814	888	962	1036
120	2.16	ton	488	569	650	731	812	893	974	1055	1136	1217	1298
			387	468	549	630	711	792	873	954	1035	1116	1197
130	2.34	ton	581	669	757	844	932	1020	1108	1195	1283	1371	1459
			480	568	656	744	831	919	1007	1095	1182	1270	1358
140	2.52	ton	674	769	863	958	1052	1147	1241	1336	1430	1525	1619
			574	668	763	857	952	1046	1141	1235	1330	1424	1519
150	2.70	ton	768	869	970	1071	1173	1274	1375	1476	1578	1679	1780
			667	768	869	971	1072	1173	1274	1376	1477	1578	1679

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

Table 3.A Estimated costs per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
 All Areas, Mississippi, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	28.65	0.4300	12.32	_____
Potash (60% K2O)	cwt	29.19	0.5200	15.18	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.30	54.0000	16.20	_____
Artisan	oz	0.85	64.0000	54.40	_____
Provost	oz	2.16	32.0000	69.12	_____
Bravo Ultrex	lb	6.83	2.8000	19.12	_____
HERBICIDES					
Glyphosate 3lbs a.e.	pt	1.75	4.0000	7.00	_____
Dual II Magnum	pt	12.25	1.0000	12.25	_____
Storm	pt	11.56	3.0000	34.68	_____
Cadre	oz	3.16	2.4400	7.71	_____
Butoxone 200(2,4-D	pt	4.12	2.0000	8.24	_____
Poast Plus	pt	7.84	1.5000	11.76	_____
INSECTICIDES					
Phorate	lb	2.69	5.0000	13.45	_____
Karate Z	oz	2.73	1.5000	4.10	_____
SEED/PLANTS					
Peanut Seed	lb	1.25	110.0000	137.50	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	3.36	6.0000	20.16	_____
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	44.00	1.0000	44.00	_____
INOCULANT					
Optimize LIFT	oz	0.58	14.8000	8.58	_____
OPERATOR LABOR					
Tractors	hour	11.60	1.1856	13.76	_____
Self-Propelled	hour	11.60	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	11.55	1.1812	13.65	_____
DIESEL FUEL					
Tractors	gal	3.40	12.8051	43.54	_____
Self-Propelled	gal	3.40	1.6470	5.61	_____
REPAIR & MAINTENANCE					
Implements	acre	7.09	1.0000	7.09	_____
Tractors	acre	6.31	1.0000	6.31	_____
Self-Propelled	acre	1.49	1.0000	1.49	_____
INTEREST ON OP. CAP.	acre	8.30	1.0000	8.30	_____
TOTAL DIRECT EXPENSES				687.43	_____
FIXED EXPENSES					
Implements	acre	26.11	1.0000	26.11	_____
Tractors	acre	40.35	1.0000	40.35	_____
Self-Propelled	acre	10.23	1.0000	10.23	_____
TOTAL FIXED EXPENSES				76.69	_____
TOTAL SPECIFIED EXPENSES				764.12	_____

Note: Cost of production estimates are based on 2011 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, 2012

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	750.00	1.8000	1350.00	_____

TOTAL INCOME				1350.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	27.50	1.0000	27.50	_____
FUNGICIDES	acre	158.84	1.0000	158.84	_____
HERBICIDES	acre	81.64	1.0000	81.64	_____
INSECTICIDES	acre	17.55	1.0000	17.55	_____
SEED/PLANTS	acre	137.50	1.0000	137.50	_____
ADJUVANTS	acre	20.16	1.0000	20.16	_____
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	44.00	1.0000	44.00	_____
INOCULANT	acre	8.58	1.0000	8.58	_____
HAND LABOR	hour	9.06	0.2258	2.05	_____
OPERATOR LABOR	hour	11.60	1.4765	17.06	_____
UNALLOCATED LABOR	hour	11.55	1.1812	13.65	_____
DIESEL FUEL	gal	3.40	14.4521	49.15	_____
REPAIR & MAINTENANCE	acre	14.89	1.0000	14.89	_____
INTEREST ON OP. CAP.	acre	8.30	1.0000	8.30	_____

TOTAL DIRECT EXPENSES				687.43	_____
RETURNS ABOVE DIRECT EXPENSES				662.57	_____
TOTAL FIXED EXPENSES				76.69	_____

TOTAL SPECIFIED EXPENSES				764.12	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				585.88	_____

Note: Cost of production estimates are based on 2011 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, 2012

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' 125hp		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				
Bed-Rip/Disk 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' 125hp		0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	May			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.4400				
Butoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.0000				
Butoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 125hp		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' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 125hp		0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 125hp		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 2011 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, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Glyphosate 3lbs a.e.	pt	7.00						0.15	7.15		7.15
Lime (Spread)	ton	44.00						0.94	44.94		44.94
Custom Apply Fert	acre	7.00						0.15	7.15		7.15
Phosphorus(46% P2O5)	cwt	12.32						0.26	12.58		12.58
Potash (60% K2O)	cwt	15.18						0.32	15.50		15.50
Bed-Rip/Disk Fold.	12R-38		1.82	0.39	0.97			0.06	3.24	2.28	5.52
Peanut Plt&Pre Fold.	12R-38		2.67	2.30	2.41			0.13	7.51	6.07	13.58
Peanut Seed	lb	137.50						2.43	139.93		139.93
Optimize LIFT	oz	8.58						0.15	8.73		8.73
Phorate	lb	13.45						0.24	13.69		13.69
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Dual II Magnum	pt	12.25						0.22	12.47		12.47
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.02	0.89	0.62	1.51
Tilt/ Bravo SE	oz	5.40						0.10	5.50		5.50
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Tilt/ Bravo SE	oz	5.40						0.08	5.48		5.48
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Storm	pt	17.34						0.25	17.59		17.59
Cadre	oz	4.55						0.06	4.61		4.61
Butoxone 200(2,4-D	pt	4.12						0.06	4.18		4.18
Crop Oil Conc.(Veg.)	pt	6.72						0.10	6.82		6.82
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Tilt/ Bravo SE	oz	5.40						0.08	5.48		5.48
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Artisan	oz	27.20						0.29	27.49		27.49
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.18	17.46		17.46
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Storm	pt	17.34						0.18	17.52		17.52
Cadre	oz	3.16						0.03	3.19		3.19
Butoxone 200(2,4-D	pt	4.12						0.04	4.16		4.16
Crop Oil Conc.(Veg.)	pt	6.72						0.07	6.79		6.79
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Poast Plus	pt	11.76						0.12	11.88		11.88
Crop Oil Conc.(Veg.)	pt	6.72						0.07	6.79		6.79
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Bravo Ultrex	lb	9.56						0.10	9.66		9.66
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.18	17.46		17.46
Sprayer 300-450gal	60' 125hp		0.17	0.05	0.22				0.44	0.31	0.75
Karate Z	oz	4.10						0.03	4.13		4.13
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Artisan	oz	27.20						0.19	27.39		27.39
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.12	17.40		17.40
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Bravo Ultrex	lb	9.56						0.07	9.63		9.63
Sprayer 300-450gal	60' 125hp		0.34	0.09	0.44			0.01	0.88	0.62	1.50
Provost	oz	17.28						0.12	17.40		17.40
Peanut Dig/Invertor	6R-38		4.13	1.22	2.59			0.03	7.97	4.71	12.68
Peanut Harvester	6R-38		24.61	7.42	13.05			0.16	45.24	41.71	86.95
Peanut Dump Cart	6-Row		10.31	2.07	6.48			0.07	18.93	11.69	30.62
Dry Peanuts	ton	25.92						0.09	26.01		26.01
Cleaning Peanuts	ton	27.54						0.10	27.64		27.64
Haul Peanuts	ton	26.10						0.09	26.19		26.19
TOTALS			582.33	49.15	14.89	32.76	0.00	8.30	687.43	76.69	764.12

Note: Cost of production estimates are based on 2011 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, 2012

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	1350.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	27.50	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	5.40	10.80	71.32	71.32	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	7.00	12.25	26.01	36.38	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	4.10	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137.50	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	6.72	13.44	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	44.00	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	8.58	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.44	4.26	1.32	2.64	1.98	22.12
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	0.34	5.17	1.02	2.04	1.53	39.05
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.87	0.27	0.54	0.41	10.71
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.84	3.37	0.66	1.32	0.57	0.54
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	88.21	192.85	46.80	127.68	79.91	151.98
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-88.21	-192.85	-46.80	-127.68	-79.91	1198.02
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-88.21	-281.06	-327.86	-455.54	-535.45	662.57

Note: Cost of production estimates are based on 2011 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, 2012

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----PRODUCT PRICE-----													
Peanut Runner	562.50	600.00	637.50	675.00	712.50	750.00	787.50	825.00	862.50	900.00	937.50		
PERCENT	YIELD	UNIT	-----dollars-----										
50	0.90	ton	-141	-107	-73	-40	-6	27	61	94	128	162	196
			-217	-184	-150	-116	-82	-49	-15	18	52	85	119
60	1.08	ton	-47	-7	33	73	114	154	195	235	276	316	357
			-124	-84	-43	-3	37	77	118	158	199	239	280
70	1.26	ton	45	92	139	187	234	281	328	376	423	470	517
			-31	15	63	110	157	204	252	299	346	393	441
80	1.44	ton	138	192	246	300	354	408	462	516	570	624	678
			61	115	169	223	277	331	385	439	493	547	601
90	1.62	ton	231	292	353	414	474	535	596	657	717	778	839
			155	215	276	337	398	458	519	580	641	701	762
100	1.80	ton	325	392	460	527	595	662	730	797	865	932	1000
			248	315	383	450	518	585	653	720	788	855	923
110	1.98	ton	418	492	566	641	715	789	863	938	1012	1086	1160
			341	415	490	564	638	712	787	861	935	1009	1084
120	2.16	ton	511	592	673	754	835	916	997	1078	1159	1240	1321
			434	515	596	677	758	839	920	1001	1082	1163	1244
130	2.34	ton	604	692	780	868	955	1043	1131	1219	1306	1394	1482
			528	615	703	791	879	966	1054	1142	1230	1317	1405
140	2.52	ton	698	792	887	981	1076	1170	1265	1359	1454	1548	1643
			621	715	810	904	999	1093	1188	1282	1377	1471	1566
150	2.70	ton	791	892	993	1095	1196	1297	1398	1500	1601	1702	1803
			714	815	917	1018	1119	1220	1322	1423	1524	1625	1727

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

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

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

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

APPENDIX

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

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

Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

CB = Cab, RB = Roll Bar

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

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

Notes:

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

Direct: Does not include interest on operating capital.

BB = Boll Buggy, Tr = Trailer

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Bed-Disk (Hipper)	4R-38	MFWD 150	7,970	160	10	0.147	1.71	3.87	0.29	0.56	6.44	0.79	3.44	10.68
Bed-Disk (Hipper)	6R-30	MFWD 170	10,904	160	10	0.125	1.45	3.71	0.34	0.52	6.03	0.91	3.37	10.32
Bed-Disk (Hipper)	6R-38	MFWD 170	12,600	160	10	0.098	1.14	2.93	0.31	0.41	4.80	0.83	2.66	8.30
Bed-Disk (Hipper)	8R-30	MFWD 190	14,400	160	10	0.093	1.08	3.11	0.33	0.41	4.96	0.90	2.68	8.54
Bed-Disk (Hipper)	8R-38 2x1	MFWD 190	27,700	160	10	0.049	0.57	1.64	0.34	0.22	2.77	0.91	1.41	5.10
Bed-Disk (Hipper)	10R-30	MFWD 225	22,900	160	10	0.075	0.87	2.95	0.42	0.44	4.70	1.15	2.86	8.71
Bed-Disk (Hipper)	10R-38	MFWD 225	23,700	160	10	0.059	0.68	2.32	0.35	0.35	3.71	0.94	2.25	6.91
Bed-Disk (Hipper)	12R-30	MFWD 225	27,300	160	10	0.062	0.72	2.46	0.42	0.37	3.98	1.14	2.38	7.51
Bed-Disk (Hipper)	12R-38	MFWD 225	27,700	160	10	0.049	0.57	1.94	0.34	0.29	3.15	0.91	1.88	5.95
Bed-Disk (Hipper)Fl	8R-38	MFWD 190	17,700	160	10	0.074	0.85	2.46	0.32	0.33	3.98	0.88	2.11	6.98
Bed-Disk (Hipper)Rd	8R-38	MFWD 190	15,100	160	10	0.074	0.85	2.46	0.27	0.33	3.93	0.75	2.11	6.80
Bed-Disk w/roller	8R-30	MFWD 190	20,700	160	10	0.093	1.08	3.11	0.48	0.41	5.10	1.30	2.68	9.09
Bed-Disk w/roller	12R-30	MFWD 225	34,500	160	10	0.062	0.72	2.46	0.53	0.37	4.09	1.44	2.38	7.93
Bed-Disk w/roller	8R-38	MFWD 190	23,100	160	10	0.074	0.85	2.46	0.42	0.33	4.08	1.15	2.11	7.35
Bed-Middle Buster	4R-38	MFWD 150	10,600	160	8	0.228	2.64	5.99	0.56	0.87	10.08	1.81	5.32	17.22
Bed-Middle Buster	6R-38	MFWD 150	12,700	160	8	0.120	1.39	3.15	0.35	0.45	5.36	1.14	2.80	9.31
Bed-Middle Buster	8R-30	MFWD 190	20,600	160	8	0.114	1.32	3.79	0.55	0.51	6.18	1.76	3.26	11.21
Bed-Middle Buster	8R-38	MFWD 190	18,000	160	8	0.090	1.04	3.00	0.38	0.40	4.83	1.21	2.58	8.63
Bed-Middle Buster	8R-38 2x1	MFWD 190	28,900	160	8	0.060	0.69	1.99	0.40	0.26	3.37	1.30	1.71	6.39
Bed-Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	1.05	3.59	0.62	0.54	5.82	2.00	3.48	11.32
Bed-Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	0.83	2.83	0.54	0.42	4.64	1.73	2.75	9.12
Bed-Middle Buster	12R-38	MFWD 225	28,900	160	8	0.060	0.69	2.36	0.40	0.35	3.82	1.30	2.29	7.42
Bed-Paratill Fold	8R-38	MFWD 225	54,000	150	12	0.080	0.93	3.18	1.57	0.48	6.17	2.78	3.08	12.04
Bed-Paratill Fold	8R-38 2x1	MFWD 225	69,100	150	12	0.053	0.62	2.11	1.34	0.32	4.40	2.37	2.05	8.83
Bed-Paratill Fold	10R-30	MFWD 225	32,100	150	12	0.081	0.94	3.21	0.94	0.48	5.60	1.67	3.12	10.39
Bed-Paratill Fold	12R-38	MFWD 225	69,100	150	12	0.053	0.62	2.11	1.34	0.32	4.40	2.37	2.05	8.83
Bed-Paratill Rigid	4R-30	MFWD 225	14,300	150	12	0.204	2.37	8.04	1.05	1.21	12.69	1.86	7.80	22.36
Bed-Paratill Rigid	4R-38	MFWD 225	13,200	150	12	0.160	1.86	6.33	0.76	0.96	9.92	1.35	6.14	17.42
Bed-Paratill Rigid	6R-30	MFWD 225	19,000	150	12	0.136	1.58	5.36	0.93	0.81	8.69	1.65	5.20	15.54
Bed-Paratill Rigid	6R-38	MFWD 225	18,400	150	12	0.107	1.24	4.23	0.71	0.64	6.83	1.26	4.10	12.20
Bed-Paratill Rigid	8R-30	MFWD 225	24,300	150	12	0.102	1.18	4.02	0.89	0.60	6.71	1.58	3.90	12.20
Bed-Paratill Rigid	8R-38	MFWD 225	24,800	150	12	0.080	0.93	3.18	0.72	0.48	5.32	1.27	3.08	9.68
Bed-Paratill Rigid	10R-30	MFWD 225	24,400	150	12	0.081	0.94	3.21	0.72	0.48	5.37	1.27	3.12	9.76
Bed-Paratill w/rol	4R-30	MFWD 225	16,400	150	12	0.204	2.37	8.04	1.21	1.21	12.84	2.14	7.80	22.78
Bed-Paratill w/rol	4R-38	MFWD 225	16,400	150	12	0.160	1.86	6.33	0.95	0.96	10.11	1.68	6.14	17.94
Bed-Paratill w/rol	6R-38	MFWD 225	22,200	150	12	0.107	1.24	4.23	0.86	0.64	6.98	1.52	4.10	12.61
Bed-Rip/Disk Fold.	8R-38	MFWD 190	30,300	300	20	0.073	0.84	2.42	0.11	0.32	3.71	0.53	2.08	6.34
Bed-Rip/Disk Fold.	12R-30	MFWD 225	45,700	300	20	0.061	0.71	2.42	0.14	0.36	3.64	0.68	2.35	6.68
Bed-Rip/Disk Fold.	12R-38	MFWD 225	45,700	300	20	0.046	0.53	1.81	0.10	0.27	2.73	0.51	1.76	5.01
Bed-Rip/Disk Rigid	4R-30	MFWD 190	12,900	300	20	0.184	2.14	6.14	0.11	0.82	9.23	0.58	5.28	15.10
Bed-Rip/Disk Rigid	4R-38	MFWD 190	12,900	300	20	0.146	1.70	4.87	0.09	0.65	7.33	0.46	4.19	11.98
Bed-Rip/Disk Rigid	6R-38	MFWD 190	19,800	300	20	0.097	1.12	3.23	0.09	0.43	4.89	0.46	2.78	8.14
Bed-Rip/Disk Rigid	8R-30	MFWD 190	25,300	300	20	0.139	1.61	4.62	0.17	0.62	7.03	0.85	3.97	11.86
Bed-Rip/Disk Rigid	8R-38	MFWD 190	25,300	300	20	0.073	0.84	2.42	0.09	0.32	3.69	0.45	2.08	6.23
Bed-Rip/Disk Rigid	6R-30	MFWD 190	19,800	300	20	0.123	1.42	4.09	0.12	0.55	6.20	0.59	3.52	10.31
Bed-Rip/Disk/Cond.	6-Row	MFWD 225	18,700	150	12	0.107	1.24	4.23	0.72	0.64	6.85	1.28	4.10	12.24
Bed-Rip/Disk/Cond.	8-Row	MFWD 225	22,400	150	12	0.080	0.93	3.18	0.65	0.48	5.25	1.15	3.08	9.49
Bed-Roll-Fold.	8R-38	MFWD 190	23,800	160	10	0.074	0.85	2.46	0.44	0.33	4.09	1.18	2.11	7.40
Bed-Roll-Fold.	12R-30	MFWD 225	25,600	160	10	0.062	0.72	2.46	0.40	0.37	3.95	1.07	2.38	7.42
Bed-Roll-Fold.	12R-38	MFWD 225	27,900	160	10	0.049	0.57	1.94	0.34	0.29	3.15	0.92	1.88	5.96
Bed-Roll-Fold.	16R-30	MFWD 225	29,100	160	10	0.046	0.54	1.84	0.34	0.27	3.01	0.91	1.79	5.71
Bed-Roll-Rigid	8R-38	MFWD 190	17,500	160	10	0.074	0.85	2.46	0.32	0.33	3.97	0.87	2.11	6.96
Blade-Box	6'-7'	2WD 130	1,020	200	20	0.020	0.23	0.45	0.00	0.06	0.75	0.00	0.37	1.13
Boll Buggy	4R-30(325)	MFWD 190	24,300	200	10	0.327	3.79	10.88	1.98	1.46	18.13	4.11	9.36	31.61
Boll Buggy	4R-38(255)	MFWD 190	24,300	200	10	0.257	2.99	8.57	1.56	1.15	14.27	3.24	7.37	24.89
Boll Buggy	4R-38(325)	MFWD 190	24,300	200	10	0.257	2.99	8.57	1.56	1.15	14.27	3.24	7.37	24.89
Boll Buggy	4R2x1(350)	MFWD 190	24,300	200	10	0.172	1.99	5.72	1.04	0.77	9.54	2.16	4.92	16.64
Boll Buggy	6R-30(325)	MFWD 190	24,300	200	10	0.218	2.53	7.25	1.32	0.97	12.08	2.74	6.24	21.07
Boll Buggy	6R-38(330)	MFWD 190	24,300	200	10	0.172	1.99	5.72	1.04	0.77	9.54	2.16	4.92	16.64
Boll Buggy-Stripper	13' Bcast	MFWD 150	24,300	200	10	0.251	2.92	6.61	1.52	0.96	12.02	3.16	5.87	21.06
Boll Buggy-Stripper	16' Bcast	MFWD 150	24,300	200	10	0.204	2.37	5.37	1.24	0.78	9.76	2.57	4.77	17.11
Boll Buggy-Stripper	19' Bcast	MFWD 150	24,300	200	10	0.172	1.99	4.52	1.04	0.65	8.22	2.16	4.02	14.41
Boll Buggy-Stripper	4R-30 2x1	MFWD 150	24,300	200	10	0.218	2.53	5.72	1.32	0.83	10.41	2.74	5.09	18.25
Boll Buggy-Stripper	4R-36	MFWD 150	24,300	200	10	0.272	3.16	7.16	1.65	1.04	13.02	3.43	6.36	22.82
Boll Buggy-Stripper	4R-38	MFWD 150	24,300	200	10	0.257	2.99	6.76	1.56	0.98	12.30	3.24	6.01	21.56
Boll Buggy-Stripper	4R-38 2x1	MFWD 150	24,300	200	10	0.172	1.99	4.52	1.04	0.65	8.22	2.16	4.02	14.41
Boll Buggy-Stripper	5R-30	MFWD 150	24,300	200	10	0.261	3.03	6.87	1.59	0.99	12.50	3.29	6.11	21.91
Boll Buggy-Stripper	5R-38	MFWD 150	24,300	200	10	0.207	2.40	5.43	1.25	0.78	9.89	2.60	4.83	17.33
Boll Buggy-Stripper	6R-30	MFWD 150	24,300	200	10	0.218	2.53	5.72	1.32	0.83	10.41	2.74	5.09	18.25
Boll Buggy-Stripper	6R-38	MFWD 150	24,300	200	10	0.172	1.99	4.52	1.04	0.65	8.22	2.16	4.02	14.41
Boll Buggy-Stripper	8R-30	MFWD 150	24,300	200	10	0.163	1.89	4.29	0.99	0.62	7.81	2.05	3.82	13.69
Boll Buggy-Stripper	8R-36/38	MFWD 150	24,300	200	10	0.129	1.50	3.39	0.78	0.49	6.17	1.62	3.01	10.82
Chisel Plow-Folding	16'	2WD 130	21,300	150	12	0.115	1.34	2.62	0.88	0.35	5.21	1.57	2.15	8.93
Chisel Plow-Folding	24'	MFWD 190	31,000	150	12	0.076	0.88	2.54	0.85	0.34	4.62	1.51	2.18	8.32
Chisel Plow-Folding	32'	MFWD 225	34,200	150	12	0.057	0.67	2.27	0.71	0.34	4.00	1.26	2.20	7.47
Chisel Plow-Folding	42'	MFWD 225	40,800	150	12	0.044	0.51	1.73	0.64	0.26	3.15	1.14	1.68	5.98

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Chisel Plow-Folding	50'	MFWD 225	65,000	150	10	0.036	0.42	1.45	1.04	0.22	3.14	1.72	1.41	6.28
Chisel Plow-Folding	61'	MFWD 225	71,600	150	12	0.030	0.35	1.19	0.78	0.18	2.50	1.38	1.15	5.05
Chisel Plow-Rigid	10'	MFWD 170	8,030	150	12	0.184	2.14	5.50	0.53	0.77	8.96	0.94	4.98	14.89
Chisel Plow-Rigid	15'	2WD 130	8,280	150	12	0.123	1.42	2.80	0.36	0.37	4.97	0.65	2.29	7.92
Chisel Plow-Rigid	20'	MFWD 225	9,210	150	12	0.102	1.19	4.04	0.34	0.61	6.19	0.60	3.92	10.71
Chisel Plow-Rigid	24'	MFWD 190	10,800	150	12	0.077	0.89	2.56	0.30	0.34	4.09	0.53	2.20	6.83
Chisel-Harrow	21 shank	2WD 190	11,900	150	12	0.088	1.02	2.92	0.37	0.30	4.62	0.66	1.93	7.23
Chisel-Harrow	27 shank	MFWD 225	13,400	150	12	0.068	0.79	2.69	0.33	0.40	4.23	0.58	2.61	7.43
Coulter-Chisel-Harro	21 shank	2WD 190	18,600	150	12	0.088	1.02	2.92	0.59	0.30	4.84	1.04	1.93	7.82
Coulter-Chisel-Harro	27 shank	MFWD 225	23,200	150	12	0.068	0.79	2.69	0.57	0.40	4.47	1.01	2.61	8.10
Cult & PD Ridge Till	8R-30	2WD 150	28,000	200	12	0.110	1.77	2.88	1.47	0.38	6.52	1.52	2.37	10.42
Cult & PD Ridge Till	12R-30	2WD 190	40,400	200	12	0.073	1.18	2.43	1.41	0.25	5.29	1.46	1.61	8.37
Cultivate	4R-30	2WD 105	10,300	150	10	0.206	2.39	3.78	0.56	0.42	7.16	1.52	2.57	11.26
Cultivate	4R-38	2WD 105	10,400	150	10	0.162	1.88	2.98	0.45	0.26	5.58	1.21	1.63	8.43
Cultivate	6R-30	MFWD 150	14,900	150	10	0.137	1.59	3.60	0.54	0.52	6.27	1.46	3.20	10.95
Cultivate	6R-38	MFWD 150	15,800	150	10	0.108	1.25	2.84	0.45	0.41	4.97	1.22	2.53	8.74
Cultivate	8R-30	MFWD 190	19,000	150	10	0.103	1.19	3.42	0.52	0.46	5.60	1.40	2.94	9.96
Cultivate	8R-38	MFWD 190	20,400	150	10	0.073	0.85	2.44	0.40	0.32	4.03	1.07	2.10	7.21
Cultivate	8R-38 2x1	MFWD 190	29,000	150	10	0.054	0.62	1.80	0.41	0.24	3.09	1.12	1.55	5.77
Cultivate	10R-30	MFWD 225	26,100	150	10	0.082	0.95	3.24	0.57	0.49	5.27	1.54	3.15	9.96
Cultivate	12R-30	MFWD 225	35,600	150	10	0.068	0.79	2.70	0.65	0.41	4.56	1.75	2.62	8.94
Cultivate	12R-38	MFWD 225	34,600	150	10	0.054	0.62	2.13	0.50	0.32	3.59	1.34	2.07	7.01
Cultivate	16R-30	MFWD 225	41,100	150	10	0.051	0.59	2.03	0.56	0.30	3.50	1.51	1.96	6.98
Cultivate & Post	4R-30	2WD 105	15,400	150	10	0.220	3.54	4.04	0.90	0.36	8.85	2.42	2.21	13.50
Cultivate & Post	4R-38	2WD 105	15,500	150	10	0.173	2.79	3.18	0.71	0.28	6.97	1.92	1.74	10.64
Cultivate & Post	6R-30	MFWD 150	20,000	150	10	0.146	2.36	3.85	0.78	0.55	7.55	2.10	3.42	13.08
Cultivate & Post	6R-38	MFWD 150	20,900	150	10	0.115	1.86	3.03	0.64	0.44	5.99	1.73	2.70	10.43
Cultivate & Post	8R-30	MFWD 190	24,100	150	10	0.110	1.77	3.65	0.70	0.49	6.63	1.90	3.14	11.67
Cultivate & Post	8R-38	MFWD 190	25,500	150	10	0.086	1.40	2.89	0.59	0.38	5.27	1.58	2.48	9.34
Cultivate & Post	8R-38 2x1	MFWD 190	34,100	150	10	0.057	0.93	1.92	0.52	0.25	3.64	1.41	1.65	6.71
Cultivate & Post	10R-30	MFWD 225	31,200	150	10	0.088	1.41	3.46	0.73	0.52	6.14	1.96	3.36	11.47
Cultivate & Post	12R-30	MFWD 225	40,700	150	10	0.073	1.18	2.88	0.79	0.43	5.30	2.13	2.80	10.24
Cultivate & Post	12R-38	MFWD 225	39,700	150	10	0.057	0.93	2.27	0.61	0.34	4.17	1.64	2.21	8.02
Cultivate & Post	16R-30	MFWD 225	46,200	150	10	0.055	0.88	2.16	0.67	0.32	4.05	1.82	2.10	7.98
Cultivate Ridge Till	8R-30	2WD 170	22,900	200	12	0.103	1.19	3.06	1.13	0.38	5.77	1.16	2.45	9.40
Cultivate Ridge Till	12R-30	2WD 190	35,300	200	12	0.068	0.79	2.28	1.16	0.23	4.48	1.20	1.51	7.19
Disk & Incorporate	14'	2WD 130	26,200	200	10	0.149	2.41	3.40	1.17	0.45	7.45	2.10	2.79	12.35
Disk & Incorporate	24'	MFWD 190	38,100	200	10	0.087	1.40	2.90	0.99	0.39	5.69	1.78	2.49	9.98
Disk & Incorporate	28'	MFWD 225	44,200	200	10	0.074	1.20	2.94	0.99	0.44	5.59	1.77	2.85	10.22
Disk & Incorporate	32'	MFWD 225	50,800	200	10	0.065	1.05	2.57	0.99	0.39	5.02	1.78	2.50	9.31
Disk Harrow	14'	2WD 130	21,100	180	10	0.140	1.62	3.19	0.82	0.42	6.06	1.76	2.61	10.45
Disk Harrow	20'	MFWD 190	29,700	180	10	0.098	1.13	3.26	0.81	0.43	5.65	1.74	2.80	10.20
Disk Harrow	24'	MFWD 190	33,000	180	10	0.081	0.94	2.72	0.75	0.36	4.78	1.61	2.34	8.74
Disk Harrow	28'	MFWD 225	39,100	180	10	0.070	0.81	2.76	0.76	0.41	4.75	1.63	2.67	9.07
Disk Harrow	32'	MFWD 225	45,700	180	10	0.061	0.71	2.41	0.77	0.36	4.27	1.67	2.34	8.29
Disk Harrow	42'	MFWD 225	88,200	180	10	0.046	0.54	1.84	1.14	0.27	3.80	2.46	1.78	8.05
Disk Harrow 40-100hp	14'	2WD 75	14,400	180	10	0.140	1.62	1.84	0.56	0.15	4.18	1.20	0.95	6.34
Disk Heavy	14'	MFWD 150	21,100	180	10	0.145	1.69	3.83	0.85	0.55	6.93	1.83	3.40	12.18
Disk Heavy	20'	MFWD 170	29,700	180	10	0.097	1.12	2.89	0.80	0.41	5.23	1.72	2.62	9.58
Disk Heavy	28'	MFWD 190	39,100	180	10	0.075	0.87	2.51	0.82	0.33	4.55	1.76	2.16	8.48
Disk Ripper	15'	MFWD 225	37,100	180	10	0.136	1.58	5.36	1.40	0.81	9.16	3.01	5.20	17.38
Ditcher		2WD 130	4,390	200	10	0.020	0.23	0.45	0.03	0.06	0.78	0.04	0.37	1.20
Ditcher (1m/160a)		2WD 130	4,390	200	10	0.009	0.10	0.21	0.01	0.02	0.36	0.02	0.17	0.56
Fert Appl (Liquid)	4R-38	MFWD 150	14,000	150	8	0.154	2.49	4.06	1.44	0.58	8.58	1.65	3.60	13.85
Fert Appl (Liquid)	6R-30	MFWD 170	16,900	150	8	0.130	2.11	3.89	1.47	0.55	8.03	1.69	3.53	13.26
Fert Appl (Liquid)	6R-38	MFWD 170	14,700	150	8	0.103	1.66	3.07	1.01	0.43	6.19	1.16	2.79	10.14
Fert Appl (Liquid)	8R-30	MFWD 190	15,400	150	8	0.098	1.58	3.26	1.00	0.43	6.29	1.15	2.80	10.26
Fert Appl (Liquid)	8R-38	MFWD 190	17,400	150	8	0.077	1.25	2.58	0.90	0.34	5.08	1.03	2.21	8.33
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	15,400	150	8	0.051	0.83	1.71	0.53	0.23	3.31	0.60	1.47	5.40
Fert Appl (Liquid)	10R-30	MFWD 225	16,000	150	8	0.078	1.26	3.09	0.83	0.46	5.66	0.96	3.00	9.63
Fert Appl (Liquid)	10R-38	MFWD 225	18,900	150	8	0.061	0.99	2.43	0.78	0.36	4.58	0.89	2.36	7.85
Fert Appl (Liquid)	12R-30	MFWD 225	18,500	150	8	0.078	1.26	3.09	0.96	0.46	5.79	1.11	3.00	9.91
Fert Appl (Liquid)	12R-38	MFWD 225	16,600	150	8	0.051	0.83	2.03	0.57	0.30	3.74	0.65	1.97	6.38
Field Cult & Inc	42'	MFWD 225	52,800	100	10	0.037	0.60	1.48	0.49	0.22	2.82	2.14	1.44	6.40
Field Cult & Inc	50'	MFWD 225	61,900	100	10	0.031	0.51	1.24	0.49	0.18	2.44	2.11	1.21	5.76
Field Cult & Inc Fld	24'	MFWD 170	28,600	100	10	0.066	1.06	1.96	0.47	0.27	3.78	2.03	1.78	7.60
Field Cult & Inc Fld	32'	MFWD 190	37,800	100	10	0.049	0.79	1.64	0.46	0.22	3.13	2.01	1.41	6.57
Field Cult & Inc Rdg	12'	2WD 150	15,400	100	10	0.132	2.13	3.47	0.50	0.46	6.57	2.18	2.85	11.62
Field Cultivate Fld	24'	MFWD 170	23,500	100	10	0.062	0.72	1.85	0.36	0.26	3.20	1.57	1.67	6.45
Field Cultivate Fld	32'	MFWD 190	32,700	100	10	0.046	0.54	1.55	0.38	0.20	2.68	1.64	1.33	5.65
Field Cultivate Fld	42'	MFWD 225	47,700	100	10	0.035	0.41	1.39	0.42	0.21	2.44	1.82	1.35	5.62
Field Cultivate Fld	50'	MFWD 225	56,800	100	10	0.029	0.34	1.17	0.42	0.17	2.12	1.82	1.14	5.08
Field Cultivate Rdg	12'	2WD 150	10,300	100	10	0.124	1.44	3.26	0.32	0.43	5.46	1.37	2.68	9.53
Grain Cart Corn	500 bu	MFWD 190	22,100	200	12	0.031	0.37	1.06	0.19	0.14	1.76	0.33	0.91	3.01
Grain Cart Corn	700 bu	MFWD 190	28,300	200	12	0.025	0.29	0.83	0.19	0.11	1.42	0.33	0.71	2.47
Grain Cart Corn	1000 bu	MFWD 225	40,500	200	12	0.025	0.29	0.98	0.27	0.14	1.69	0.48	0.95	3.13
Grain Cart Rice	500 bu	MFWD 190	22,100	200	12	0.062	0.72	2.07	0.37	0.27	3.45	0.66	1.78	5.90

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Grain Cart Rice	700 bu	MFWD 190	28,300	200	12	0.055	0.63	1.82	0.42	0.24	3.13	0.74	1.57	5.45
Grain Cart Rice	1000 bu	MFWD 190	40,500	200	12	0.045	0.53	1.52	0.50	0.20	2.76	0.88	1.31	4.96
Grain Cart Soybean	500 bu	MFWD 190	22,100	200	12	0.025	0.29	0.84	0.15	0.11	1.41	0.27	0.72	2.40
Grain Cart Soybean	700 bu	MFWD 190	28,300	200	12	0.021	0.24	0.70	0.16	0.09	1.21	0.28	0.60	2.10
Grain Cart Soybean	1000 bu	MFWD 190	40,500	200	12	0.021	0.24	0.70	0.23	0.09	1.28	0.41	0.60	2.30
Grain Cart Wht/Sor	500 bu	MFWD 190	22,100	200	12	0.025	0.29	0.84	0.15	0.11	1.41	0.27	0.72	2.40
Grain Cart Wht/Sor	700 bu	MFWD 190	28,300	200	12	0.021	0.24	0.70	0.16	0.09	1.21	0.28	0.60	2.10
Grain Cart Wht/Sor	1000 bu	MFWD 190	40,500	200	12	0.021	0.24	0.70	0.23	0.09	1.28	0.41	0.60	2.30
Grain Drill	8'	2WD 130	15,400	150	8	0.235	4.86	5.36	1.36	0.71	12.31	2.65	4.39	19.35
Grain Drill	10'	2WD 130	16,700	150	8	0.188	3.89	4.29	1.18	0.57	9.94	2.30	3.51	15.75
Grain Drill	12'	2WD 130	17,900	150	8	0.157	3.24	3.57	1.05	0.47	8.35	2.05	2.93	13.34
Grain Drill	15'	MFWD 150	21,800	150	8	0.125	2.59	3.30	1.02	0.47	7.40	2.00	2.93	12.33
Grain Drill	20'	MFWD 170	29,000	150	8	0.094	1.94	2.80	1.02	0.39	6.17	1.99	2.54	10.71
Grain Drill	24'	MFWD 190	50,800	150	8	0.078	1.62	2.61	1.49	0.35	6.08	2.91	2.24	11.24
Grain Drill	30'	MFWD 225	53,300	150	8	0.062	1.29	2.47	1.25	0.37	5.40	2.44	2.40	10.25
Grain Drill	35'	MFWD 225	69,900	150	8	0.053	1.11	2.12	1.41	0.32	4.96	2.75	2.05	9.77
Grain Drill & Pre	8'	2WD 130	20,600	150	8	0.253	5.24	5.77	1.96	0.77	13.75	3.82	4.73	22.30
Grain Drill & Pre	10'	2WD 130	21,800	150	8	0.203	4.19	4.62	1.66	0.61	11.09	3.23	3.78	18.11
Grain Drill & Pre	12'	2WD 130	23,000	150	8	0.169	3.49	3.85	1.45	0.51	9.32	2.84	3.15	15.32
Grain Drill & Pre	15'	MFWD 150	26,900	150	8	0.135	2.79	3.55	1.36	0.51	8.23	2.66	3.15	14.05
Grain Drill & Pre	20'	MFWD 170	34,100	150	8	0.101	2.09	3.02	1.29	0.42	6.84	2.52	2.74	12.11
Grain Drill & Pre	24'	MFWD 190	55,900	150	8	0.084	1.74	2.81	1.77	0.37	6.71	3.45	2.41	12.58
Grain Drill & Pre	30'	MFWD 225	58,400	150	8	0.067	1.39	2.66	1.48	0.40	5.95	2.88	2.58	11.42
Grain Drill & Pre	35'	MFWD 225	75,000	150	8	0.058	1.19	2.28	1.63	0.34	5.46	3.17	2.21	10.85
Grain Drill & Pre T	8R-38	MFWD 225	43,500	150	8	0.062	1.29	2.47	1.02	0.37	5.17	1.99	2.40	9.57
Harrow - Rigid	21'	2WD 150	4,990	200	10	0.073	0.85	1.94	0.12	0.26	3.18	0.19	1.59	4.98
Harrow - Folding	16'	MFWD 190	5,000	200	10	0.097	1.12	3.22	0.16	0.43	4.95	0.26	2.77	7.99
Harrow - Folding	24'	MFWD 190	11,400	200	10	0.064	0.75	2.15	0.25	0.28	3.44	0.39	1.85	5.69
Harrow - Folding	30'	MFWD 190	11,900	200	10	0.051	0.60	1.72	0.21	0.23	2.76	0.33	1.47	4.57
Harrow - Folding	40'	MFWD 190	15,400	200	10	0.038	0.45	1.29	0.20	0.17	2.12	0.32	1.10	3.55
Harrow - Folding	48'	MFWD 225	18,100	200	10	0.032	0.37	1.27	0.20	0.19	2.04	0.31	1.23	3.59
Harrow - Rigid	13'	2WD 130	3,810	200	10	0.119	1.38	2.71	0.15	0.36	4.62	0.24	2.22	7.09
Header - Corn	6R-30	265 hp	39,300	300	8	0.170	1.97	7.89	1.67	4.27	15.81	2.56	17.11	35.49
Header - Corn	6R-38	265 hp	40,400	300	8	0.134	1.55	6.23	1.35	3.37	12.52	2.07	13.51	28.11
Header - Corn	8R-30	265 hp	50,700	300	8	0.127	1.48	5.92	1.61	3.20	12.22	2.47	12.83	27.54
Header - Corn	8R-38	325 hp	51,600	300	8	0.100	1.17	5.74	1.30	2.82	11.04	1.99	11.32	24.36
Header - Corn	12R-20	325 hp	66,800	300	8	0.127	1.48	7.26	2.13	3.57	14.45	3.26	14.33	32.05
Header - Corn	12R-30	325 hp	77,600	300	8	0.085	0.98	4.84	1.65	2.38	9.86	2.52	9.55	21.95
Header - Draper (CL)	25' Rigid	265 hp	49,500	300	8	0.203	2.35	9.41	2.30	5.09	19.17	3.67	20.41	43.26
Header - Draper (CL)	30' Rigid	325 hp	55,100	300	8	0.169	1.96	9.62	2.13	4.74	18.46	3.40	18.99	40.86
Header - Draper (CL)	36' Rigid	355 hp	59,500	300	8	0.141	1.63	8.76	1.92	4.23	16.55	3.06	16.94	36.55
Header - Draper (SL)	25' Rigid	325 hp	49,500	300	8	0.176	2.04	10.01	1.99	4.93	18.98	3.18	19.75	41.91
Header - Draper (SL)	30' Rigid	325 hp	55,100	300	8	0.146	1.70	8.34	1.85	4.10	16.00	2.95	16.45	35.41
Header - Draper (SL)	36' Rigid	355 hp	59,500	300	8	0.122	1.41	7.59	1.66	3.66	14.34	2.65	14.68	31.68
Header - Rice (CL)	25' Rigid	325 hp	50,400	300	8	0.253	2.94	14.43	3.19	7.11	27.69	4.89	28.48	61.07
Header - Rice (CL)	30' Rigid	325 hp	57,500	300	8	0.211	2.45	12.03	3.04	5.92	23.45	4.65	23.73	51.84
Header - Rice (SL)	25' Rigid	325 hp	50,400	300	8	0.220	2.55	12.51	2.77	6.16	24.00	4.24	24.68	52.93
Header - Rice (SL)	30' Rigid	325 hp	57,500	300	8	0.183	2.12	10.42	2.63	5.13	20.32	4.03	20.57	44.93
Header -RiceStrp(CL)	20'	265 hp	40,700	300	8	0.253	2.94	11.77	2.58	6.37	23.67	3.95	25.52	53.14
Header -RiceStrp(CL)	24'	325 hp	44,700	300	8	0.211	2.45	12.03	2.36	5.92	22.77	3.61	23.73	50.13
Header -RiceStrp(CL)	32'	325 hp	49,300	300	8	0.158	1.84	9.02	1.95	4.44	17.26	2.99	17.80	38.06
Header -RiceStrp(SL)	20'	265 hp	40,700	300	8	0.220	2.55	10.20	2.23	5.52	20.51	3.42	22.11	46.06
Header -RiceStrp(SL)	24'	325 hp	44,700	300	8	0.183	2.12	10.42	2.04	5.13	19.74	3.13	20.57	43.44
Header -RiceStrp(SL)	32'	325 hp	49,300	300	8	0.137	1.59	7.82	1.69	3.85	14.96	2.59	15.43	32.98
Header -Soybean	22' Flex	265 hp	25,100	300	8	0.116	1.34	5.38	0.72	2.91	10.37	1.11	11.67	23.16
Header -Soybean	25' Flex	325 hp	27,100	300	8	0.102	1.18	5.81	0.69	2.86	10.55	1.05	11.46	23.07
Header -Soybean	30' Flex	325 hp	30,700	300	8	0.085	0.98	4.84	0.65	2.38	8.86	0.99	9.55	19.42
Header -Soybean	35' Flex	355 hp	36,100	300	8	0.072	0.84	4.53	0.65	2.18	8.22	1.00	8.76	18.00
Header Wheat/Sorghum	22' Rigid	265 hp	19,300	300	8	0.116	1.34	5.38	0.56	2.91	10.20	0.85	11.67	22.73
Header Wheat/Sorghum	25' Rigid	325 hp	23,500	300	8	0.102	1.18	5.81	0.60	2.86	10.45	0.91	11.46	22.84
Header Wheat/Sorghum	30' Rigid	325 hp	26,300	300	8	0.085	0.98	4.84	0.55	2.38	8.77	0.85	9.55	19.18
Header-Cotton Bcast	13'	173 hp	19,800	200	8	0.251	5.20	6.91	0.93	6.17	19.23	2.86	24.74	46.83
Header-Cotton-Bcast	16'	173 hp	23,200	200	8	0.204	4.22	5.62	0.89	5.01	15.75	2.72	20.10	38.58
Header-Cotton-Bcast	19'	173 hp	25,000	200	8	0.172	3.55	4.73	0.80	4.22	13.32	2.47	16.92	32.72
Header-Cotton-Brush	4R-30 2x1	173 hp	30,100	200	8	0.218	4.50	5.99	1.23	5.35	17.09	3.76	21.44	42.30
Header-Cotton-Brush	4R-36	173 hp	29,800	200	8	0.272	5.63	7.49	1.52	6.69	21.34	4.66	26.80	52.81
Header-Cotton-Brush	4R-38	173 hp	29,700	200	8	0.257	5.32	7.08	1.43	6.32	20.16	4.39	25.32	49.88
Header-Cotton-Brush	4R-38 2x1	173 hp	31,500	200	8	0.172	3.55	4.73	1.01	4.22	13.53	3.11	16.92	33.58
Header-Cotton-Brush	5R-30	173 hp	37,400	200	8	0.261	5.41	7.19	1.83	6.42	20.86	5.62	25.73	52.21
Header-Cotton-Brush	5R-38	173 hp	38,800	200	8	0.207	4.28	5.69	1.50	5.08	16.56	4.61	20.35	41.53
Header-Cotton-Brush	6R-30	173 hp	46,100	200	8	0.218	4.50	5.99	1.88	5.35	17.74	5.77	21.44	44.96
Header-Cotton-Brush	6R-38	173 hp	47,500	200	8	0.172	3.55	4.73	1.53	4.22	14.05	4.69	16.92	35.68
Header-Cotton-Brush	8R-30	173 hp	63,600	200	8	0.163	3.38	4.49	1.95	4.01	13.84	5.97	16.08	35.90
Header-Cotton-Brush	8R-36/38	173 hp	65,000	200	8	0.129	2.67	3.55	1.57	3.17	10.97	4.82	12.71	28.51
Land Plane	50'x16'	MFWD 190	10,900	200	10	0.151	1.75	5.04	0.33	0.67	7.80	0.88	4.33	13.03
Levee Pull & Seed	8 Blade	MFWD 170	7,540	100	10	0.003	0.04	0.10	0.00	0.01	0.16	0.02	0.09	0.29
Levee Pull (1m/80a)	8 blade	MFWD 170	6,760	100	10	0.003	0.04	0.10	0.00	0.01	0.16	0.02	0.09	0.28
Levee Splitter (1/80)	8 blade	MFWD 150	6,760	100	10	0.004	0.04	0.10	0.00	0.01	0.17	0.03	0.09	0.30
Module Builder	4R-30(325)	MFWD 190	30,500	200	10	0.327	6.76	10.88	2.49	1.46	21.60	5.17	9.36	36.14

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Module Builder	4R-38(255)	MFWD 190	30,500	200	10	0.257	5.32	8.57	1.96	1.15	17.01	4.07	7.37	28.45
Module Builder	4R-38(325)	MFWD 190	30,500	200	10	0.257	5.32	8.57	1.96	1.15	17.01	4.07	7.37	28.45
Module Builder	4R2x1(350)	MFWD 190	30,500	200	10	0.172	3.55	5.72	1.31	0.77	11.37	2.72	4.92	19.02
Module Builder	6R-30(325)	MFWD 190	30,500	200	10	0.218	4.50	7.25	1.66	0.97	14.40	3.44	6.24	24.09
Module Builder	6R-38(330)	MFWD 190	30,500	200	10	0.172	3.55	5.72	1.31	0.77	11.37	2.72	4.92	19.02
Module Builder-Strip	13' Bcast	MFWD 150	30,500	200	10	0.251	5.20	6.61	1.92	0.96	14.69	3.97	5.87	24.54
Module Builder-Strip	16' Bcast	MFWD 150	30,500	200	10	0.204	4.22	5.37	1.56	0.78	11.93	3.23	4.77	19.94
Module Builder-Strip	19' Bcast	MFWD 150	30,500	200	10	0.172	3.55	4.52	1.31	0.65	10.05	2.72	4.02	16.79
Module Builder-Strip	4R-30 2x1	MFWD 150	30,500	200	10	0.218	4.50	5.72	1.66	0.83	12.73	3.44	5.09	21.27
Module Builder-Strip	4R-36	MFWD 150	30,500	200	10	0.272	5.63	7.16	2.08	1.04	15.91	4.30	6.36	26.59
Module Builder-Strip	4R-38	MFWD 150	30,500	200	10	0.257	5.32	6.76	1.96	0.98	15.04	4.07	6.01	25.12
Module Builder-Strip	4R-38 2x1	MFWD 150	30,500	200	10	0.172	3.55	4.52	1.31	0.65	10.05	2.72	4.02	16.79
Module Builder-Strip	5R-30	MFWD 150	30,500	200	10	0.261	5.41	6.87	1.99	0.99	15.28	4.13	6.11	25.53
Module Builder-Strip	5R-38	MFWD 150	30,500	200	10	0.207	4.28	5.43	1.57	0.78	12.08	3.27	4.83	20.19
Module Builder-Strip	6R-30	MFWD 150	30,500	200	10	0.218	4.50	5.72	1.66	0.83	12.73	3.44	5.09	21.27
Module Builder-Strip	6R-38	MFWD 190	30,500	200	10	0.172	3.55	5.72	1.31	0.77	11.37	2.72	4.92	19.02
Module Builder-Strip	8R-36/38	MFWD 190	30,500	200	10	0.129	2.67	4.30	0.98	0.57	8.54	2.04	3.69	14.28
NT Grain Drill	6'	MFWD 170	19,100	150	8	0.327	6.76	9.73	2.34	1.38	20.22	4.56	8.83	33.63
NT Grain Drill	10'	2WD 130	28,300	150	8	0.235	4.86	5.36	2.50	0.71	13.45	4.87	4.39	22.72
NT Grain Drill	12'	2WD 130	35,900	150	8	0.163	3.38	3.72	2.20	0.49	9.80	4.29	3.05	17.15
NT Grain Drill	15'	MFWD 150	40,100	150	8	0.130	2.70	3.43	1.96	0.49	8.61	3.83	3.05	15.50
NT Grain Drill	20'	MFWD 170	56,900	150	8	0.098	2.02	2.92	2.09	0.41	7.46	4.08	2.65	14.19
NT Grain Drill	24'	MFWD 190	75,400	150	8	0.081	1.69	2.72	2.31	0.36	7.09	4.50	2.34	13.94
NT Grain Drill	30'	MFWD 225	88,000	150	8	0.065	1.35	2.57	2.16	0.39	6.48	4.20	2.50	13.19
NT Grain Drill & Pre	6'	MFWD 170	24,200	150	8	0.352	7.28	10.48	3.19	1.48	22.45	6.23	9.51	38.20
NT Grain Drill & Pre	10'	2WD 130	33,500	150	8	0.211	4.37	4.81	2.65	0.64	12.48	5.17	3.94	21.60
NT Grain Drill & Pre	12'	2WD 130	41,000	150	8	0.176	3.64	4.01	2.71	0.53	10.89	5.28	3.28	19.46
NT Grain Drill & Pre	15'	MFWD 150	45,200	150	8	0.141	2.91	3.70	2.39	0.53	9.54	4.65	3.29	17.49
NT Grain Drill & Pre	20'	MFWD 170	62,100	150	8	0.105	2.18	3.14	2.46	0.44	8.24	4.79	2.85	15.89
NT Grain Drill & Pre	24'	MFWD 190	80,500	150	8	0.088	1.82	2.93	2.66	0.39	7.80	5.18	2.52	15.50
NT Grain Drill & Pre	30'	MFWD 225	93,100	150	8	0.070	1.45	2.77	2.46	0.42	7.11	4.79	2.69	14.60
NT Plant&Pre-Folding	8R-38	MFWD 170	44,300	150	8	0.083	1.72	2.48	1.38	0.35	5.95	2.70	2.25	10.91
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	70,600	150	8	0.055	1.15	1.65	1.47	0.23	4.51	2.87	1.50	8.88
NT Plant&Pre-Folding	12R-20	MFWD 190	67,800	150	8	0.105	2.18	3.51	2.68	0.47	8.86	5.23	3.02	17.12
NT Plant&Pre-Folding	12R-30	MFWD 190	70,600	150	8	0.070	1.45	2.34	1.86	0.31	5.98	3.63	2.01	11.63
NT Plant&Pre-Folding	12R-38	MFWD 190	70,600	150	8	0.055	1.15	1.85	1.47	0.24	4.72	2.87	1.59	9.18
NT Plant&Pre-Folding	16R-30	MFWD 190	92,900	150	8	0.052	1.09	1.75	1.84	0.23	4.92	3.58	1.51	10.03
NT Plant&Pre-Folding	23R-15	MFWD 190	117,000	150	8	0.073	1.51	2.44	3.22	0.32	7.51	6.27	2.10	15.88
NT Plant&Pre-Folding	24R-15	MFWD 225	126,000	150	8	0.070	1.45	2.77	3.33	0.42	7.98	6.49	2.69	17.16
NT Plant&Pre-Folding	24R-20	MFWD 190	134,000	150	8	0.052	1.09	1.75	2.65	0.23	5.74	5.17	1.51	12.43
NT Plant&Pre-Folding	24R-30	MFWD 190	152,000	150	8	0.035	0.72	1.17	2.00	0.15	4.06	3.91	1.00	8.99
NT Plant&Pre-Folding	31R-15	MFWD 225	143,000	150	8	0.054	1.12	2.15	2.93	0.32	6.53	5.71	2.08	14.33
NT Plant&Pre-Folding	32R-15	MFWD 225	158,000	150	8	0.052	1.09	2.08	3.13	0.31	6.62	6.10	2.01	14.74
NT Plant&Pre-Folding	36R-20	MFWD 225	167,000	150	8	0.035	0.72	1.38	2.20	0.21	4.53	4.30	1.34	10.18
NT Plant&Pre-Rigid	4R-30	2WD 130	25,600	150	8	0.211	4.37	4.81	2.03	0.64	11.85	3.95	3.94	19.76
NT Plant&Pre-Rigid	4R-38	2WD 130	27,100	150	8	0.166	3.44	3.78	1.69	0.50	9.43	3.29	3.10	15.83
NT Plant&Pre-Rigid	6R-30	MFWD 150	34,500	150	8	0.141	2.91	3.70	1.82	0.53	8.97	3.55	3.29	15.82
NT Plant&Pre-Rigid	6R-38	MFWD 150	32,000	150	8	0.111	2.30	2.92	1.33	0.42	6.98	2.60	2.59	12.18
NT Plant&Pre-Rigid	8R-30	MFWD 170	41,200	150	8	0.105	2.18	3.14	1.63	0.44	7.41	3.18	2.85	13.45
NT Plant&Pre-Rigid	8R-38	MFWD 170	37,500	150	8	0.083	1.72	2.48	1.17	0.35	5.74	2.29	2.25	10.29
NT Plant&Pre-Rigid	10R-30	MFWD 190	39,600	150	8	0.084	1.74	2.81	1.25	0.37	6.19	2.44	2.41	11.06
NT Plant&Pre-Rigid	11R-15	MFWD 170	46,600	150	8	0.143	2.97	4.28	2.51	0.60	10.37	4.89	3.88	19.15
NT Plant&Pre-Rigid	11R-20	MFWD 170	43,900	150	8	0.115	2.38	3.43	1.90	0.48	8.21	3.70	3.11	15.04
NT Plant&Pre-Rigid	12R-20	MFWD 190	50,400	150	8	0.105	2.18	3.51	1.99	0.47	8.17	3.89	3.02	15.09
NT Plant&Pre-Rigid	12R-30	MFWD 190	57,200	150	8	0.070	1.45	2.34	1.51	0.31	5.62	2.94	2.01	10.59
NT Plant&Pre-Rigid	13R-18/20	MFWD 225	50,400	150	8	0.097	2.01	3.83	1.84	0.58	8.27	3.58	3.72	15.58
NT Plant&Pre-Rigid	15R-15	MFWD 190	59,600	150	8	0.113	2.33	3.76	2.52	0.50	9.13	4.92	3.23	17.29
NT Plant&Pre-TwinRow	12R-30/40	MFWD 225	108,000	150	8	0.055	1.15	2.19	2.25	0.33	5.92	4.39	2.12	12.44
NT Plant&Pre-TwinRow	8R-30/40	MFWD 225	87,900	150	8	0.083	1.72	3.29	2.75	0.49	8.27	5.36	3.19	16.83
NT Plant-Folding	8R-38	MFWD 170	39,300	150	8	0.077	1.60	2.30	1.14	0.32	5.38	2.22	2.09	9.71
NT Plant-Folding	8R-38 2x1	MFWD 170	64,000	150	8	0.051	1.06	1.53	1.24	0.21	4.06	2.41	1.39	7.87
NT Plant-Folding	12R-20	MFWD 190	62,800	150	8	0.098	2.02	3.26	2.31	0.43	8.04	4.50	2.80	15.36
NT Plant-Folding	12R-30	MFWD 190	65,600	150	8	0.065	1.35	2.17	1.61	0.29	5.43	3.13	1.87	10.44
NT Plant-Folding	12R-38	MFWD 190	64,000	150	8	0.051	1.06	1.71	1.24	0.23	4.25	2.41	1.47	8.15
NT Plant-Folding	16R-30	MFWD 190	86,400	150	8	0.049	1.01	1.63	1.59	0.21	4.45	3.09	1.40	8.96
NT Plant-Folding	23R-15	MFWD 190	112,000	150	8	0.068	1.40	2.26	2.86	0.30	6.84	5.58	1.94	14.37
NT Plant-Folding	24R-15	MFWD 225	121,000	150	8	0.065	1.35	2.57	2.97	0.39	7.29	5.78	2.50	15.58
NT Plant-Folding	24R-20	MFWD 190	127,000	150	8	0.049	1.01	1.63	2.33	0.21	5.20	4.55	1.40	11.16
NT Plant-Folding	24R-30	MFWD 190	143,000	150	8	0.032	0.67	1.08	1.75	0.14	3.66	3.42	0.93	8.02
NT Plant-Folding	31R-15	MFWD 225	134,000	150	8	0.050	1.04	1.99	2.55	0.30	5.90	4.96	1.93	12.80
NT Plant-Folding	32R-15	MFWD 225	148,000	150	8	0.049	1.01	1.93	2.72	0.29	5.96	5.30	1.87	13.15
NT Plant-Folding	36R-20	MFWD 225	158,000	150	8	0.032	0.67	1.28	1.93	0.19	4.10	3.77	1.25	9.13
NT Plant-Rigid	4R-30	2WD 130	20,600	150	8	0.196	4.05	4.46	1.51	0.59	10.64	2.95	3.66	17.26
NT Plant-Rigid	4R-38	2WD 130	22,100	150	8	0.154	3.19	3.51	1.28	0.47	8.46	2.49	2.88	13.84
NT Plant-Rigid	6R-30	MFWD 150	29,500	150	8	0.130	2.70	3.43	1.44	0.49	8.09	2.82	3.05	13.96
NT Plant-Rigid	6R-38	MFWD 150	27,000	150	8	0.103	2.13	2.71	1.04	0.39	6.29	2.03	2.41	10.74
NT Plant-Rigid	8R-30	MFWD 170	36,200	150	8	0.098	2.02	2.92	1.33	0.41	6.69	2.59	2.65	11.94
NT Plant-Rigid	8R-38	MFWD 170	32,500	150	8	0.077	1.60	2.30	0.94	0.32	5.18	1.84	2.09	9.12

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
NT Plant-Rigid	10R-30	MFWD 190	34,700	150	8	0.078	1.62	2.61	1.02	0.35	5.60	1.99	2.24	9.84
NT Plant-Rigid	11R-15	MFWD 170	41,600	150	8	0.133	2.76	3.97	2.08	0.56	9.38	4.06	3.60	17.05
NT Plant-Rigid	11R-20	MFWD 170	39,000	150	8	0.107	2.21	3.19	1.56	0.45	7.43	3.05	2.89	13.38
NT Plant-Rigid	12R-20	MFWD 190	45,400	150	8	0.098	2.02	3.26	1.67	0.43	7.40	3.25	2.80	13.47
NT Plant-Rigid	12R-30	MFWD 190	52,200	150	8	0.065	1.35	2.17	1.28	0.29	5.10	2.49	1.87	9.47
NT Plant-Rigid	13R-18/20	MFWD 225	45,400	150	8	0.090	1.87	3.58	1.54	0.54	7.55	3.01	3.47	14.03
NT Plant-Rigid	15R-15	MFWD 190	53,000	150	8	0.105	2.17	3.49	2.08	0.46	8.21	4.06	3.00	15.29
NT Plant-TwinRow	12R-30/40	MFWD 225	102,000	150	8	0.051	1.06	2.03	1.97	0.30	5.38	3.85	1.97	11.21
NT Plant-TwinRow	8R-30/40	MFWD 225	82,900	150	8	0.077	1.60	3.05	2.41	0.46	7.53	4.70	2.96	15.20
One-Trip Prep	4R-38	MFWD 170	20,000	150	10	0.146	1.70	4.36	1.36	0.61	8.05	2.10	3.96	14.11
One-Trip Prep	6R-38	MFWD 190	24,000	150	10	0.097	1.12	3.23	1.08	0.43	5.88	1.67	2.78	10.34
One-Trip Prep	8R-38	MFWD 225	35,700	150	10	0.073	0.85	2.91	1.23	0.44	5.44	1.89	2.82	10.15
Peanut Cond. & Lifter	6-Row	MFWD 190	11,000	300	20	0.100	1.16	3.32	0.18	0.44	5.11	0.27	2.85	8.25
Peanut Conditioner	6-Row	MFWD 190	12,000	300	20	0.100	1.16	3.32	0.24	0.44	5.17	0.26	2.85	8.30
Peanut Dig/Invertor	4R-30	MFWD 190	21,200	300	15	0.235	2.73	7.84	1.24	1.05	12.87	1.51	6.74	21.13
Peanut Dig/Invertor	4R-38	MFWD 190	21,200	300	15	0.186	2.16	6.19	0.98	0.83	10.16	1.19	5.32	16.69
Peanut Dig/Invertor	6R-38	MFWD 190	30,800	300	15	0.124	1.43	4.12	0.67	0.55	6.78	1.16	3.54	11.49
Peanut Dump Cart	6-Row	MFWD 190	37,400	300	20	0.310	3.59	10.30	0.67	1.38	15.96	2.82	8.86	27.65
Peanut Harvester	4R-30	MFWD 225	107,000	300	20	0.849	9.85	33.46	5.15	5.07	53.55	20.38	32.45	106.39
Peanut Harvester	4R-38	MFWD 225	107,000	300	20	0.934	10.84	36.80	5.66	5.57	58.88	23.39	35.68	117.96
Peanut Harvester	6R-38	MFWD 225	122,000	300	20	0.625	7.25	24.61	3.68	3.73	39.27	17.83	23.86	80.97
Peanut Lifter	6-Row	MFWD 225	4,140	300	20	0.100	1.16	3.93	0.08	0.59	5.78	0.09	3.81	9.69
Peanut Plt&Pre Fold.	12R-38	MFWD 190	64,200	150	8	0.080	1.66	2.67	1.93	0.35	6.63	3.77	2.29	12.70
Peanut Plt&Pre Rigid	8R-30	MFWD 190	37,000	150	8	0.152	3.15	5.08	2.11	0.68	11.03	4.12	4.36	19.53
Peanut Plt&Pre Rigid	8R-38	MFWD 190	33,300	150	8	0.120	2.49	4.01	1.50	0.53	8.55	2.93	3.45	14.94
Pipe Spool 160ac	1/4m roll	2WD 130	3,380	15	12	0.003	0.09	0.07	0.00	0.00	0.17	0.06	0.05	0.30
Pipe Trailer 1m/160a	30'	2WD 130	1,240	100	15	0.003	0.17	0.08	0.00	0.01	0.27	0.00	0.06	0.35
Plant & Pre-Folding	8R-38	MFWD 170	40,100	150	8	0.080	1.65	2.38	1.20	0.33	5.59	2.35	2.16	10.11
Plant & Pre-Folding	8R-38 2x1	MFWD 170	64,200	150	8	0.053	1.10	1.58	1.28	0.22	4.20	2.50	1.44	8.15
Plant & Pre-Folding	12R-20	MFWD 190	61,500	150	8	0.101	2.09	3.37	2.34	0.45	8.26	4.56	2.90	15.73
Plant & Pre-Folding	12R-30	MFWD 190	64,300	150	8	0.067	1.39	2.25	1.63	0.30	5.58	3.17	1.93	10.69
Plant & Pre-Folding	12R-38	MFWD 190	64,200	150	8	0.053	1.10	1.77	1.28	0.23	4.40	2.50	1.52	8.44
Plant & Pre-Folding	16R-30	MFWD 190	84,500	150	8	0.050	1.04	1.68	1.60	0.22	4.57	3.13	1.45	9.15
Plant & Pre-Folding	23R-15	MFWD 190	105,000	150	8	0.070	1.45	2.34	2.77	0.31	6.89	5.40	2.01	14.31
Plant & Pre-Folding	24R-15	MFWD 225	113,000	150	8	0.067	1.39	2.66	2.86	0.40	7.33	5.58	2.58	15.50
Plant & Pre-Folding	24R-20	MFWD 190	121,000	150	8	0.050	1.04	1.68	2.30	0.22	5.26	4.48	1.45	11.20
Plant & Pre-Folding	24R-30	MFWD 190	140,000	150	8	0.033	0.69	1.12	1.77	0.15	3.75	3.46	0.96	8.18
Plant & Pre-Folding	31R-15	MFWD 225	127,000	150	8	0.052	1.08	2.06	2.49	0.31	5.96	4.86	2.00	12.83
Plant & Pre-Folding	32R-15	MFWD 225	141,000	150	8	0.050	1.04	1.99	2.68	0.30	6.03	5.22	1.93	13.20
Plant & Pre-Folding	36R-20	MFWD 225	148,000	150	8	0.033	0.69	1.33	1.87	0.20	4.11	3.65	1.29	9.06
Plant & Pre-Rigid	4R-30	2WD 130	23,500	150	8	0.203	4.19	4.62	1.78	0.61	11.22	3.48	3.78	18.49
Plant & Pre-Rigid	4R-38	2WD 130	25,000	150	8	0.159	3.30	3.63	1.49	0.48	8.92	2.92	2.98	14.83
Plant & Pre-Rigid	6R-30	MFWD 150	32,400	150	8	0.135	2.79	3.55	1.64	0.51	8.51	3.20	3.15	14.87
Plant & Pre-Rigid	6R-38	MFWD 150	28,900	150	8	0.106	2.20	2.80	1.15	0.40	6.57	2.25	2.49	11.33
Plant & Pre-Rigid	8R-30	MFWD 170	37,000	150	8	0.101	2.09	3.02	1.40	0.42	6.95	2.74	2.74	12.44
Plant & Pre-Rigid	8R-38	MFWD 170	33,300	150	8	0.080	1.65	2.38	1.00	0.33	5.38	1.95	2.16	9.50
Plant & Pre-Rigid	10R-30	MFWD 190	34,400	150	8	0.081	1.67	2.70	1.04	0.36	5.79	2.04	2.32	10.15
Plant & Pre-Rigid	11R-15	MFWD 170	40,800	150	8	0.148	3.06	4.40	2.26	0.62	10.36	4.41	4.00	18.78
Plant & Pre-Rigid	11R-20	MFWD 170	38,200	150	8	0.110	2.29	3.30	1.58	0.46	7.65	3.09	2.99	13.74
Plant & Pre-Rigid	12R-20	MFWD 190	44,100	150	8	0.101	2.09	3.37	1.67	0.45	7.60	3.27	2.90	13.78
Plant & Pre-Rigid	12R-30	MFWD 190	50,900	150	8	0.067	1.39	2.25	1.29	0.30	5.24	2.51	1.93	9.69
Plant & Pre-Rigid	13R-18/20	MFWD 225	43,600	150	8	0.093	1.93	3.68	1.53	0.55	7.70	2.98	3.57	14.26
Plant & Pre-Rigid	15R-15	MFWD 190	51,700	150	8	0.108	2.24	3.61	2.10	0.48	8.44	4.10	3.10	15.65
Plant & Pre-TwinRow	12R-30/40	MFWD 225	102,000	150	8	0.053	1.10	2.10	2.04	0.31	5.57	3.98	2.04	11.59
Plant & Pre-TwinRow	8R-30/40	MFWD 225	83,700	150	8	0.080	1.65	3.16	2.51	0.47	7.81	4.90	3.06	15.79
Plant - Folding	8R-38	MFWD 170	35,100	150	8	0.074	1.53	2.21	0.98	0.31	5.05	1.91	2.01	8.97
Plant - Folding	8R-38 2x1	MFWD 170	57,700	150	8	0.049	1.02	1.47	1.07	0.20	3.78	2.09	1.33	7.21
Plant - Folding	12R-20	MFWD 190	56,500	150	8	0.094	1.94	3.13	1.99	0.42	7.50	3.89	2.69	14.09
Plant - Folding	12R-30	MFWD 190	59,300	150	8	0.062	1.29	2.09	1.39	0.28	5.06	2.72	1.79	9.58
Plant - Folding	12R-38	MFWD 190	57,700	150	8	0.049	1.02	1.64	1.07	0.22	3.97	2.09	1.41	7.48
Plant - Folding	16R-30	MFWD 190	77,900	150	8	0.047	0.97	1.56	1.37	0.21	4.12	2.68	1.34	8.15
Plant - Folding	23R-15	MFWD 190	99,600	150	8	0.065	1.35	2.17	2.44	0.29	6.26	4.76	1.87	12.90
Plant - Folding	24R-15	MFWD 225	108,000	150	8	0.062	1.29	2.47	2.54	0.37	6.69	4.95	2.40	14.05
Plant - Folding	24R-20	MFWD 190	115,000	150	8	0.047	0.97	1.56	2.03	0.21	4.78	3.96	1.34	10.09
Plant - Folding	24R-30	MFWD 190	130,000	150	8	0.031	0.64	1.04	1.53	0.14	3.36	2.98	0.89	7.25
Plant - Folding	31R-15	MFWD 225	117,000	150	8	0.048	1.00	1.91	2.13	0.29	5.35	4.16	1.86	11.38
Plant - Folding	32R-15	MFWD 225	131,000	150	8	0.047	0.97	1.85	2.31	0.28	5.42	4.51	1.80	11.73
Plant - Folding	36R-20	MFWD 225	139,000	150	8	0.031	0.64	1.23	1.63	0.18	3.71	3.19	1.20	8.10
Plant - Rigid	4R-30	2WD 130	18,500	150	8	0.188	3.89	4.29	1.30	0.57	10.06	2.54	3.51	16.13
Plant - Rigid	4R-38	2WD 130	20,000	150	8	0.148	3.06	3.37	1.11	0.45	8.01	2.16	2.76	12.95
Plant - Rigid	6R-30	MFWD 150	27,400	150	8	0.125	2.59	3.30	1.29	0.47	7.66	2.51	2.93	13.11
Plant - Rigid	6R-38	MFWD 150	23,900	150	8	0.099	2.05	2.60	0.88	0.37	5.92	1.73	2.31	9.97
Plant - Rigid	8R-30	MFWD 170	32,000	150	8	0.094	1.94	2.80	1.13	0.39	6.28	2.20	2.54	11.03
Plant - Rigid	8R-38	MFWD 170	28,300	150	8	0.074	1.53	2.21	0.79	0.31	4.86	1.54	2.01	8.41
Plant - Rigid	10R-30	MFWD 190	29,400	150	8	0.075	1.55	2.50	0.83	0.33	5.23	1.62	2.15	9.01
Plant - Rigid	11R-15	MFWD 170	35,800	150	8	0.137	2.84	4.09	1.84	0.58	9.36	3.59	3.71	16.68
Plant - Rigid	11R-20	MFWD 170	33,200	150	8	0.103	2.12	3.06	1.28	0.43	6.91	2.49	2.78	12.19
Plant - Rigid	12R-20	MFWD 190	39,100	150	8	0.094	1.94	3.13	1.38	0.42	6.88	2.69	2.69	12.27
Plant - Rigid	12R-30	MFWD 190	45,900	150	8	0.062	1.29	2.09	1.08	0.28	4.75	2.10	1.79	8.65

(continued)

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Plant - Rigid	13R-18/20	MFWD 225	38,600	150	8	0.086	1.79	3.42	1.25	0.51	6.99	2.45	3.31	12.76
Plant - Rigid	15R-15	2WD 150	45,100	150	8	0.094	1.94	2.47	1.59	0.33	6.35	3.10	2.03	11.49
Plant - TwinRow	12R-30/40	MFWD 225	95,500	150	8	0.049	1.02	1.95	1.77	0.29	5.05	3.46	1.89	10.40
Plant - TwinRow	8R-30/40	MFWD 225	78,700	150	8	0.074	1.53	2.93	2.19	0.44	7.11	4.28	2.84	14.25
Roller/Cultipacker	12'	2WD 130	4,846	300	12	0.124	1.44	2.83	0.14	0.37	4.79	0.19	2.32	7.31
Roller/Cultipacker	20'	MFWD 150	15,200	300	12	0.074	0.86	1.95	0.26	0.28	3.37	0.37	1.74	5.49
Roller/Cultipacker	30'	MFWD 170	16,100	300	12	0.049	0.57	1.48	0.18	0.20	2.45	0.26	1.34	4.06
Roller/Cultipacker	38'	MFWD 225	17,100	300	12	0.039	0.45	1.54	0.15	0.23	2.39	0.22	1.50	4.11
Roller/Stubble	20'	2WD 50	11,500	300	12	0.074	0.86	0.65	0.20	0.05	1.78	0.28	0.36	2.42
Roller/Stubble	32'	MFWD 225	19,500	300	12	0.046	0.54	1.83	0.21	0.27	2.87	0.30	1.78	4.95
Rotary Cutter	7'	MFWD 130	3,950	185	10	0.168	1.95	3.83	0.53	0.51	6.83	0.38	3.15	10.38
Rotary Cutter	12'	2WD 150	10,800	185	10	0.098	1.13	2.57	0.86	0.34	4.92	0.61	2.12	7.66
Rotary Cutter-Flex	15'	MFWD 150	17,700	185	10	0.078	0.91	2.06	1.12	0.29	4.40	0.80	1.83	7.04
Rotary Cutter-Flex	20'	MFWD 150	24,500	185	10	0.058	0.68	1.54	1.17	0.22	3.62	0.83	1.37	5.84
Row Cond & Inc-Fold.	26'	MFWD 190	23,200	100	10	0.063	1.02	2.11	0.36	0.28	3.78	1.58	1.81	7.18
Row Cond & Inc-Fold.	38'	MFWD 225	27,300	100	10	0.043	0.70	1.70	0.29	0.25	2.96	1.27	1.65	5.89
Row Cond & Inc-Rigid	13'	2WD 130	11,400	100	10	0.126	2.04	2.88	0.36	0.38	5.68	1.55	2.36	9.60
Row Cond & Inc-Rigid	21'	2WD 170	15,200	100	10	0.078	1.26	2.33	0.29	0.29	4.19	1.28	1.86	7.34
Row Cond & Inc-Rigid	26'	MFWD 190	16,600	100	10	0.026	0.42	0.88	0.11	0.11	1.54	0.47	0.76	2.77
Row Cond Folding	26'	MFWD 225	18,100	100	10	0.059	0.69	2.35	0.27	0.35	3.67	1.16	2.28	7.11
Row Cond Folding	38'	MFWD 225	22,200	100	10	0.040	0.47	1.60	0.22	0.24	2.55	0.97	1.56	5.09
Row Cond Rigid	13'	2WD 130	6,310	100	10	0.119	1.38	2.71	0.18	0.36	4.65	0.81	2.22	7.69
Row Cond Rigid	21'	2WD 170	10,100	100	10	0.073	0.85	2.20	0.18	0.27	3.51	0.80	1.75	6.08
Row Cond Rigid	26'	MFWD 190	11,500	100	10	0.059	0.69	1.98	0.17	0.26	3.11	0.73	1.70	5.56
Row Cond./Roll-Fold.	26'	MFWD 190	25,900	160	10	0.072	0.83	2.39	0.46	0.32	4.02	1.25	2.06	7.34
Row Cond./Roll-Fold.	30'	MFWD 190	35,400	160	10	0.062	0.72	2.07	0.55	0.27	3.63	1.48	1.78	6.90
Row Cond./Roll-Fold.	40'	MFWD 225	36,100	160	10	0.046	0.54	1.84	0.42	0.27	3.09	1.13	1.79	6.02
Row Cond./Roll-Rigid	21'	MFWD 190	19,700	160	10	0.089	1.03	2.96	0.43	0.39	4.84	1.18	2.55	8.57
Row Cond./Roll-Rigid	26'	MFWD 190	22,200	160	10	0.072	0.83	2.39	0.40	0.32	3.95	1.07	2.06	7.09
Spin Spreader	5 ton	MFWD 190	11,300	100	8	0.042	0.86	1.39	0.26	0.18	2.72	0.54	1.20	4.47
Spray (ATV Ropewick)	75"	800 CC	550	200	8	0.260	4.19	0.63	0.06	0.30	5.21	0.08	1.23	6.53
Spray (ATV)	12'/17'	800 CC	580	200	8	0.112	1.81	0.27	0.03	0.13	2.26	0.03	0.53	2.83
Spray (ATV)	20'	800 CC	1,280	200	8	0.084	1.36	0.20	0.05	0.10	1.72	0.06	0.40	2.18
Spray (Band)	27' Fold	MFWD 170	5,110	200	8	0.062	1.01	1.86	0.15	0.26	3.29	0.18	1.69	5.16
Spray (Band)	40' Fold	MFWD 170	6,350	200	8	0.042	0.68	1.25	0.12	0.17	2.24	0.15	1.14	3.54
Spray (Band)	50' Fold	MFWD 170	8,820	200	8	0.033	0.54	1.00	0.13	0.14	1.83	0.17	0.91	2.92
Spray (Band)	53' Fold	MFWD 170	5,800	200	8	0.031	0.51	0.94	0.08	0.13	1.68	0.10	0.86	2.65
Spray (Band)	60' Fold	MFWD 170	11,100	200	8	0.028	0.45	0.83	0.14	0.11	1.56	0.17	0.76	2.50
Spray (Bcast/HB)	13' Rigid	MFWD 150	4,860	200	8	0.130	2.09	3.41	0.29	0.49	6.31	0.36	3.03	9.71
Spray (Bcast/HB)	20' Rigid	MFWD 150	5,570	200	8	0.084	1.36	2.22	0.22	0.32	4.12	0.27	1.97	6.37
Spray (Bcast/HB)	27' Fold	MFWD 170	9,640	200	8	0.062	1.01	1.86	0.28	0.26	3.42	0.34	1.69	5.46
Spray (Bcast/HB)	27' Rigid	MFWD 170	6,410	200	8	0.062	1.01	1.86	0.18	0.26	3.32	0.23	1.69	5.25
Spray (Bcast/HB)	30' Fold	MFWD 170	13,300	200	8	0.056	0.90	1.67	0.35	0.23	3.17	0.43	1.52	5.13
Spray (Bcast/HB)	40' Fold	MFWD 170	13,500	200	8	0.042	0.68	1.25	0.26	0.17	2.38	0.32	1.14	3.85
Spray (Bcast/HB/HD)	27'	MFWD 170	20,500	200	8	0.062	1.01	1.86	0.60	0.26	3.74	0.73	1.69	6.17
Spray (Bcast/HB/HD)	40'	MFWD 170	24,400	200	8	0.042	0.68	1.25	0.48	0.17	2.60	0.59	1.14	4.33
Spray (Broadcast)	27'	MFWD 170	5,110	200	8	0.062	1.01	1.86	0.15	0.26	3.29	0.18	1.69	5.16
Spray (Broadcast)	40'	MFWD 170	6,350	200	8	0.042	0.68	1.25	0.12	0.17	2.24	0.15	1.14	3.54
Spray (Broadcast)	50'	MFWD 170	8,820	200	8	0.033	0.54	1.00	0.13	0.14	1.83	0.17	0.91	2.92
Spray (Broadcast)	53'	MFWD 170	5,800	200	8	0.031	0.51	0.94	0.08	0.13	1.68	0.10	0.86	2.65
Spray (Broadcast)	60'	MFWD 170	11,100	200	8	0.028	0.45	0.83	0.14	0.11	1.56	0.17	0.76	2.50
Spray (Direct/Hood)	8R-30	MFWD 170	14,700	200	8	0.084	1.36	2.51	0.58	0.35	4.82	0.71	2.28	7.82
Spray (Direct/Hood)	8R-38	MFWD 170	16,000	200	8	0.066	1.07	1.99	0.50	0.28	3.85	0.61	1.80	6.27
Spray (Direct/Hood)	12R-30	MFWD 170	18,700	200	8	0.056	0.90	1.67	0.49	0.23	3.32	0.60	1.52	5.44
Spray (Direct/Hood)	12R-38	MFWD 170	19,200	200	8	0.044	0.71	1.32	0.40	0.18	2.63	0.49	1.20	4.32
Spray (Direct/Layby)	8R-30	MFWD 170	10,500	200	8	0.084	1.36	2.51	0.41	0.35	4.65	0.50	2.28	7.44
Spray (Direct/Layby)	8R-38	MFWD 170	11,300	200	8	0.066	1.07	1.99	0.35	0.28	3.70	0.43	1.80	5.94
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	16,700	200	8	0.044	0.71	1.32	0.34	0.18	2.57	0.42	1.20	4.20
Spray (Direct/Layby)	10R-30	MFWD 170	12,200	200	8	0.067	1.09	2.01	0.38	0.28	3.77	0.47	1.82	6.07
Spray (Direct/Layby)	12R-30	MFWD 170	14,700	200	8	0.056	0.90	1.67	0.38	0.23	3.21	0.47	1.52	5.21
Spray (Direct/Layby)	12R-38	MFWD 170	16,700	200	8	0.044	0.71	1.32	0.34	0.18	2.57	0.42	1.20	4.20
Spray (Direct/Layby)	16R-20	MFWD 170	9,840	200	8	0.063	1.02	1.88	0.29	0.26	3.46	0.35	1.71	5.53
Spray (Levee Leaper)	50'	MFWD 225	11,600	200	8	0.033	0.54	1.33	0.18	0.20	2.26	0.22	1.29	3.78
Spray (Pull Type)	60'	MFWD 225	26,900	200	8	0.028	0.45	1.11	0.35	0.16	2.08	0.43	1.07	3.60
Spray (Pull Type)	80'	MFWD 225	36,800	200	8	0.021	0.34	0.83	0.36	0.12	1.66	0.44	0.80	2.91
Spray (Pull Type)	90'	2WD 50	35,500	200	8	0.018	0.30	0.16	0.31	0.01	0.79	0.38	0.09	1.27
Spray (Pull Type)	100'	MFWD 225	36,800	200	8	0.016	0.27	0.66	0.29	0.10	1.33	0.35	0.64	2.33
Spray (Pull Type)	120'	MFWD 225	50,700	200	8	0.014	0.22	0.55	0.33	0.08	1.20	0.41	0.53	2.15
Spray (Ropewick)	20'	MFWD 190	2,450	200	8	0.084	1.36	2.81	0.09	0.37	4.65	0.11	2.41	7.19
Spray (Spot)	27'	MFWD 170	5,110	200	8	0.062	1.01	1.86	0.15	0.26	3.29	0.18	1.69	5.16
Spray (Spot)	40'	MFWD 170	6,350	200	8	0.042	0.68	1.25	0.12	0.17	2.24	0.15	1.14	3.54
Spray (Spot)	50'	MFWD 170	8,820	200	8	0.033	0.54	1.00	0.13	0.14	1.83	0.17	0.91	2.92
Spray (Spot)	53'	MFWD 170	5,800	200	8	0.031	0.51	0.94	0.08	0.13	1.68	0.10	0.86	2.65
Spray (Spot)	60'	MFWD 225	11,100	200	8	0.028	0.45	1.11	0.14	0.16	1.88	0.17	1.07	3.13
Stalk Shredder	14'	MFWD 150	12,400	200	10	0.117	1.36	3.09	1.27	0.44	6.18	0.78	2.75	9.72
Stalk Shredder	20'	MFWD 150	30,500	200	10	0.082	0.95	2.16	2.20	0.31	5.63	1.35	1.92	8.91
Stalk Shredder-Flail	12'	MFWD 150	14,800	200	10	0.137	1.59	3.60	1.78	0.52	7.50	1.09	3.20	11.81

(continued)

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

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

Notes:

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

Total Direct: Does not include interest on operating capital.

HB = Hooded Boom, HD = Hooded Direct

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

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

(continued)

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

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

(continued)

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

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

(continued)

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

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

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

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

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

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

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

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

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

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

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

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

^e Price used in the 2012 MAFES Planning Budgets.

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

Appendix Table 8. Estimated costs for field operations, per acre
 Irrigation with a 1/4-mile center pivot system
 135-acre system, 7.5 ac-in., Delta Area, Mississippi, 2012

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Set Up Engine										
IRRIGATE LABOR	hour				0.27			0.01	0.28	0.28
Maintenance										
IRRIGATE LABOR	hour				1.07			0.02	1.09	1.09
Apply Water										
IRRIGATE LABOR	hour				0.15				0.15	0.15
Apply Water										
IRRIGATE LABOR	hour				0.20				0.20	0.20
Apply Water										
IRRIGATE LABOR	hour				0.15				0.15	0.15
Pivot, 1/4 CP	each			12.00				0.21	12.21	49.17
Well & Pump, 1/4 CP	each			2.89				0.05	2.94	8.76
Engine, 1/4 CP, 65	each									6.80
June Irr. 3app@.75"	ac-in		11.43	0.93				0.22	12.58	12.58
July Irr. 4app@.75"	ac-in		15.23	1.24				0.23	16.70	16.70
Aug Irr. 3app@.75"	ac-in		11.43	0.93				0.13	12.49	12.49
TOTALS		0.00	38.09	17.99	1.84	0.00	0.87	58.79	64.73	123.52

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

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