

# **PEANUTS**

## **2008**

# **PLANNING BUDGETS**

**Mississippi State University  
Department of Agricultural Economics  
Budget Report 2007-09**

**December 2007**



## Foreword

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

## Acknowledgments

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

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

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

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

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# **2008 Planning Budgets**

## **Budgets for Agricultural Enterprises**

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

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

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

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

## **Methods and Procedures**

### **Production Practices**

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

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

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

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

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

### Estimates of Direct Costs

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

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

$$RPA = RPH \times PR$$

where:

RPH = R&M cost per hour of use

RLC = Replacement cost of machine

RP = R&M percentage (percent of RLC)

THL = Total hours of machine life

RPA = R&M cost per acre

PR = Performance rate

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

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

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

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

### Estimates of Fixed Costs

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

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

where:

CRF = Capital recovery factor

IIR = Intermediate-term interest rate

TYL = Total years of life

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

$$+ (SV \times IIR)$$

where:

CRCPY = Capital recovery charge per year

RLC = Replacement cost

SV = Salvage value (at end of useful life)

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

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

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

where:

CRCPH = Capital recovery charge per hour

HAU = Hours of annual use

CRCPA = Capital recovery charge per acre

PR = Performance rate

### **Estimates of Returns**

It is difficult to estimate 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.



## Enterprise Budgets

Table 1.A Estimated costs per acre  
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch  
 All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
dollars                                  dollars					
<b>DIRECT EXPENSES</b>					
<b>FUNGICIDES</b>					
Phorate	lb	2.28	5.0000	11.40	_____
Abound	pt	31.49	3.5000	110.21	_____
Tilt 3.6 EC	oz	2.62	10.0000	26.20	_____
Bravo Weather Stick	pt	5.57	5.0000	27.85	_____
<b>HERBICIDES</b>					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Dual II Magnum	pt	13.43	1.0000	13.43	_____
Storm	pt	9.50	3.0000	28.50	_____
Cadre DG Eco-Pak	oz	13.75	2.8800	39.60	_____
Butoxone 200(2,4-DB)	pt	4.05	2.0000	8.10	_____
Poast Plus	pt	6.37	1.5000	9.56	_____
<b>INSECTICIDES</b>					
Karate Z	oz	3.10	1.5000	4.65	_____
<b>SEED/PLANTS</b>					
Peanut Seed	lb	0.57	100.0000	57.00	_____
<b>ADJUVANTS</b>					
Crop Oil Conc.(Veg.)	pt	2.46	6.0000	14.76	_____
<b>HAULING</b>					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
<b>CLEANING</b>					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
<b>DRYING</b>					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
<b>INOCULANT</b>					
Innoculant (Liquid)	pt	10.34	1.0000	10.34	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	10.21	1.6246	16.59	_____
Self-Propelled	hour	10.21	0.2203	2.25	_____
<b>HAND LABOR</b>					
Implements	hour	7.31	0.1207	0.88	_____
Self-Propelled	hour	7.31	0.1101	0.75	_____
<b>UNALLOCATED LABOR</b>					
	hour	10.17	1.4760	15.02	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.33	17.5722	40.94	_____
Self-Propelled	gal	2.33	1.2477	2.88	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	7.80	1.0000	7.80	_____
Tractors	acre	6.69	1.0000	6.69	_____
Self-Propelled	acre	0.88	1.0000	0.88	_____
INTEREST ON OP. CAP.	acre	11.79	1.0000	11.79	_____
-----					
TOTAL DIRECT EXPENSES				557.05	_____
<b>FIXED EXPENSES</b>					
Implements	acre	36.51	1.0000	36.51	_____
Tractors	acre	51.79	1.0000	51.79	_____
Self-Propelled	acre	7.37	1.0000	7.37	_____
-----					
TOTAL FIXED EXPENSES				95.67	_____
-----					
TOTAL SPECIFIED EXPENSES				652.72	_____

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 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, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 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, 2008

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

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

Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 1.D Estimated costs for field operations, per acre  
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch  
 All Areas, Mississippi, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 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, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

\* Lease costs are based on hourly usage costs.

Table 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, 2008

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

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

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

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

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

Table 2.A Estimated costs per acre  
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch  
 All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
dollars                                  dollars					
<b>DIRECT EXPENSES</b>					
<b>FUNGICIDES</b>					
Phorate	lb	2.28	5.0000	11.40	_____
Abound	pt	31.49	3.5000	110.21	_____
Tilt 3.6 EC	oz	2.62	10.0000	26.20	_____
Bravo Weather Stick	pt	5.57	5.0000	27.85	_____
<b>HERBICIDES</b>					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Dual II Magnum	pt	13.43	1.0000	13.43	_____
Storm	pt	9.50	3.0000	28.50	_____
Cadre DG Eco-Pak	oz	13.75	2.8800	39.60	_____
Butoxone 200(2,4-DB)	pt	4.05	2.0000	8.10	_____
Poast Plus	pt	6.37	1.5000	9.56	_____
<b>INSECTICIDES</b>					
Karate Z	oz	3.10	1.5000	4.65	_____
<b>SEED/PLANTS</b>					
Peanut Seed	lb	0.57	100.0000	57.00	_____
<b>ADJUVANTS</b>					
Crop Oil Conc.(Veg.)	pt	2.46	6.0000	14.76	_____
<b>HAULING</b>					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
<b>CLEANING</b>					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
<b>DRYING</b>					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
<b>INOCULANT</b>					
Innoculant (Liquid)	pt	10.34	1.0000	10.34	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	10.21	1.7225	17.59	_____
Self-Propelled	hour	10.21	0.2203	2.25	_____
<b>HAND LABOR</b>					
Implements	hour	7.31	0.1527	1.12	_____
Self-Propelled	hour	7.31	0.1101	0.75	_____
<b>UNALLOCATED LABOR</b>					
	hour	10.17	1.5543	15.82	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.33	18.5301	43.17	_____
Self-Propelled	gal	2.33	1.2477	2.88	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	8.34	1.0000	8.34	_____
Tractors	acre	7.06	1.0000	7.06	_____
Self-Propelled	acre	0.88	1.0000	0.88	_____
INTEREST ON OP. CAP.	acre	11.98	1.0000	11.98	_____
-----					
TOTAL DIRECT EXPENSES				562.42	_____
<b>FIXED EXPENSES</b>					
Implements	acre	38.05	1.0000	38.05	_____
Tractors	acre	54.62	1.0000	54.62	_____
Self-Propelled	acre	7.37	1.0000	7.37	_____
-----					
TOTAL FIXED EXPENSES				100.04	_____
-----					
TOTAL SPECIFIED EXPENSES				662.46	_____

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 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, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 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, 2008

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

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

Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 2.D Estimated costs for field operations, per acre  
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch  
 All Areas, Mississippi, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 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, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

\* Lease costs are based on hourly usage costs.

Table 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, 2008

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

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

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

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

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

Table 3.A Estimated costs per acre  
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch  
 All Areas, Mississippi, 2008

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
dollars                                  dollars					
<b>DIRECT EXPENSES</b>					
<b>FUNGICIDES</b>					
Phorate	lb	2.28	5.0000	11.40	_____
Abound	pt	31.49	3.5000	110.21	_____
Tilt 3.6 EC	oz	2.62	10.0000	26.20	_____
Bravo Weather Stick	pt	5.57	5.0000	27.85	_____
<b>HERBICIDES</b>					
Glyphosate Plus 4L	pt	2.35	4.0000	9.40	_____
Dual II Magnum	pt	13.43	1.0000	13.43	_____
Storm	pt	9.50	3.0000	28.50	_____
Cadre DG Eco-Pak	oz	13.75	2.8800	39.60	_____
Butoxone 200(2,4-DB)	pt	4.05	2.0000	8.10	_____
Poast Plus	pt	6.37	1.5000	9.56	_____
<b>INSECTICIDES</b>					
Karate Z	oz	3.10	1.5000	4.65	_____
<b>SEED/PLANTS</b>					
Peanut Seed	lb	0.57	100.0000	57.00	_____
<b>ADJUVANTS</b>					
Crop Oil Conc.(Veg.)	pt	2.46	6.0000	14.76	_____
<b>HAULING</b>					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
<b>CLEANING</b>					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
<b>DRYING</b>					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
<b>INOCULANT</b>					
Innoculant (Liquid)	pt	10.34	1.0000	10.34	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	10.21	1.1856	12.11	_____
Self-Propelled	hour	10.21	0.2203	2.25	_____
<b>HAND LABOR</b>					
implements	hour	7.31	0.0804	0.59	_____
Self-Propelled	hour	7.31	0.1101	0.75	_____
<b>UNALLOCATED LABOR</b>					
	hour	10.17	1.1248	11.44	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.33	12.8051	29.84	_____
Self-Propelled	gal	2.33	1.2477	2.88	_____
<b>REPAIR &amp; MAINTENANCE</b>					
implements	acre	6.14	1.0000	6.14	_____
Tractors	acre	4.88	1.0000	4.88	_____
Self-Propelled	acre	0.88	1.0000	0.88	_____
INTEREST ON OP. CAP.	acre	11.54	1.0000	11.54	_____
-----					
TOTAL DIRECT EXPENSES				533.88	_____
<b>FIXED EXPENSES</b>					
implements	acre	30.86	1.0000	30.86	_____
Tractors	acre	37.74	1.0000	37.74	_____
Self-Propelled	acre	7.37	1.0000	7.37	_____
-----					
TOTAL FIXED EXPENSES				75.97	_____
-----					
TOTAL SPECIFIED EXPENSES				609.85	_____

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 3.B Summary of estimated costs and returns per acre  
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch  
 All Areas, Mississippi, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 3.C Estimated resource use for field operations, per acre  
Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch  
All Areas, Mississippi, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 3.D Estimated costs for field operations, per acre  
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch  
 All Areas, Mississippi, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 3.E Estimated monthly income and expense flows per acre  
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch  
 All Areas, Mississippi, 2008

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

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

**Fertilization decisions should be based on soil tests.**

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

\* Lease costs are based on hourly usage costs.

Table 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, 2008

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

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

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

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

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



## APPENDIX

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

Item Name	Size	Purchase	Annual	Useful	Fuel	Labor	Fuel	R&M	Total	Fixed	Total
		Price	Use	Life	Use				Direct		Cost
		dollars	hours	years	gal/hr				\$/hour		
Combine (200-249 hp)	240hp	161,548	300	8	12.35	10.21	28.77	16.82	55.81	80.57	136.38
Combine (250-299 hp)	275hp	190,410	300	8	14.15	10.21	32.96	19.83	63.01	94.97	157.98
Combine (250-299 hp)	Grass 295hp	211,248	300	8	15.18	10.21	35.36	22.00	67.58	105.36	172.94
Combine (300-349 hp)	325hp	224,696	300	8	16.73	10.21	38.98	23.40	72.59	112.07	184.66
Combine (350-379 hp)	370hp	241,674	300	8	19.04	10.21	44.36	25.17	79.74	120.54	200.28
Combine (395-420)	400hp	272,072	300	8	20.58	10.21	47.95	28.34	86.50	135.70	222.20
Cotton Stripper	173 hp	127,505	200	8	8.08	10.21	18.82	19.92	48.95	95.39	144.35
Tractor( 40-59hp)Cab	2WD 50	28,063	600	8	2.57	10.21	5.99	0.87	17.08	6.56	23.65
Tractor( 40-59hp)Cab	MFWD 50	31,198	600	8	2.57	10.21	5.99	0.97	17.18	7.30	24.48
Tractor( 40-59hp)RB	2WD 50	18,365	600	8	2.57	10.21	5.99	0.57	16.78	4.29	21.07
Tractor( 40-59hp)RB	MFWD 50	23,443	600	8	2.57	10.21	5.99	0.73	16.93	5.48	22.42
Tractor( 60-89hp)CAB	2WD 75	38,645	600	8	3.86	10.21	8.99	1.20	20.41	9.04	29.45
Tractor( 60-89hp)CAB	MFWD 75	43,217	600	8	3.86	10.21	8.99	1.35	20.55	10.11	30.66
Tractor( 60-89hp)RB	2WD 75	28,341	600	8	3.86	10.21	8.99	0.88	20.09	6.63	26.72
Tractor( 60-89hp)RB	MFWD 75	32,988	600	8	3.86	10.21	8.99	1.03	20.23	7.71	27.95
Tractor( 90-119hp)CB	2WD 105	54,618	600	8	5.40	10.21	12.59	1.70	24.50	12.78	37.29
Tractor( 90-119hp)CB	MFWD 105	63,805	600	8	5.40	10.21	12.59	1.99	24.79	14.93	39.72
Tractor( 90-119hp)RB	2WD 105	39,972	600	8	5.40	10.21	12.59	1.24	24.05	9.35	33.40
Tractor( 90-119hp)RB	MFWD 105	47,062	600	8	5.40	10.21	12.59	1.47	24.27	11.01	35.28
Tractor(120-139hp)CB	2WD 130	78,141	600	8	6.69	10.21	15.59	2.44	28.24	18.28	46.52
Tractor(120-139hp)CB	MFWD 130	87,621	600	8	6.69	10.21	15.59	2.73	28.53	20.50	49.04
Tractor(140-159hp)CB	2WD 150	86,566	600	8	7.72	10.21	17.98	2.70	30.90	20.25	51.16
Tractor(140-159hp)CB	MFWD 150	101,499	600	8	7.72	10.21	17.98	3.17	31.37	23.75	55.12
Tractor(160-179hp)CB	2WD 170	92,716	600	8	8.75	10.21	20.38	2.89	33.49	22.40	55.90
Tractor(160-179hp)CB	MFWD 170	113,379	600	8	8.75	10.21	20.38	3.54	34.14	27.40	61.54
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	10.21	21.58	4.45	36.25	34.49	70.74
Tractor(180-199hp)CB	2WD 190	107,324	600	8	9.77	10.21	22.78	3.35	36.35	25.93	62.29
Tractor(180-199hp)CB	MFWD 190	119,337	600	8	9.77	10.21	22.78	3.72	36.72	28.84	65.56
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	10.21	26.98	4.59	41.79	35.54	77.33
Tractor(200-249hp)CB	MFWD 225	141,170	600	8	11.58	10.21	26.98	4.41	41.60	34.11	75.72
Tractor(200-249hp)CB	Track 225	163,877	600	8	11.58	10.21	26.98	5.12	42.31	39.60	81.92
Tractor(250-349hp)CB	4WD 300	151,284	600	8	15.44	10.21	35.97	4.72	50.91	36.56	87.48
Tractor(250-349hp)CB	MFWD 300	167,310	600	8	15.44	10.21	35.97	5.22	51.41	40.43	91.85
Tractor(250-349hp)CB	Track 300	197,006	600	8	15.44	10.21	35.97	6.15	52.34	47.61	99.96
Tractor(350-449hp)CB	4WD 400	195,126	600	8	20.58	10.21	47.97	6.09	64.28	47.16	111.44
Tractor(350-449hp)CB	Track 400	233,337	600	8	20.58	10.21	47.97	7.29	65.47	56.39	121.86
Tractor(450-550hp)CB	4WD 500	229,879	600	8	24.44	10.21	56.96	7.18	74.35	55.55	129.91
Tractor(450-uphp)CB	Track 475	268,277	600	8	24.44	10.21	56.96	8.38	75.55	64.84	140.40

Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

Appendix Table 2. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Mississippi, 2008

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

Notes:

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

Direct: Does not include interest on operating capital.

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

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

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

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

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---			Total Imp.	Total P.U.	Total Cost
									Imp.	P.U.	Direct			
				dollars	hours	years	hr/ac				\$/acre			
Grain Drill & Pre	40'	MFWD 225	86,211	150	8	0.050	0.88	1.37	1.64	0.22	4.12	3.96	1.73	9.81
Harrow Fld	40'	MFWD 190	10,620	200	10	0.038	0.39	0.88	0.14	0.14	1.57	0.27	1.11	2.96
Harrow Rdg	13'	2WD 130	3,690	200	10	0.119	1.21	1.86	0.15	0.29	3.52	0.29	2.18	6.00
Harrow Rdg	21'	2WD 150	4,590	200	10	0.073	0.75	1.33	0.11	0.20	2.40	0.22	1.49	4.12
Harrow Rdg	30'	MFWD 190	7,740	200	10	0.051	0.52	1.17	0.14	0.19	2.04	0.26	1.49	3.79
Header - Corn	4R-38	240hp	25,147	300	8	0.201	2.05	5.78	1.26	3.38	12.48	2.36	16.20	31.06
Header - Corn	6R30"	240hp	31,393	300	8	0.170	1.73	4.89	1.33	2.86	10.84	2.50	13.72	27.06
Header - Corn	6R38"	240hp	33,850	300	8	0.134	1.37	3.86	1.13	2.26	8.64	2.12	10.83	21.60
Header - Corn	8R-30	240hp	40,647	300	8	0.127	1.30	3.67	1.29	2.14	8.42	2.42	10.29	21.14
Header - Corn	8R-38	275hp	42,909	300	8	0.100	1.03	3.32	1.08	2.00	7.44	2.02	9.58	19.06
Header - Corn	12R-20	275hp	56,689	300	8	0.127	1.30	4.21	1.80	2.53	9.85	3.38	12.12	25.37
Header - Corn	12R-30	275hp	62,425	300	8	0.085	0.86	2.80	1.32	1.68	6.69	2.48	8.08	17.26
Header - Draper (CL)	25' Rigid	240hp	25,578	300	8	0.203	2.07	5.84	1.19	3.41	12.52	2.35	16.36	31.23
Header - Draper (CL)	30' Rigid	275hp	28,727	300	8	0.169	1.72	5.57	1.11	3.35	11.77	2.20	16.07	30.05
Header - Draper (CL)	36' Rigid	325hp	32,036	300	8	0.141	1.43	5.49	1.03	3.30	11.27	2.04	15.80	29.12
Header - Draper (SL)	25' Rigid	2WD 50	25,578	300	8	0.176	1.79	1.05	1.03	0.10	3.98	2.03	0.75	6.77
Header - Draper (SL)	30' Rigid	275hp	28,727	300	8	0.146	1.49	4.83	0.96	2.90	10.20	1.90	13.92	26.04
Header - Draper (SL)	36' Rigid	325hp	32,036	300	8	0.122	1.24	4.76	0.89	2.86	9.77	1.77	13.69	25.23
Header - Rice (CL)	22' Rigid	240hp	21,887	300	8	0.288	2.94	8.30	1.57	4.85	17.67	2.95	23.24	43.87
Header - Rice (CL)	25' Rigid	275hp	25,387	300	8	0.253	2.59	8.36	1.61	5.03	17.60	3.01	24.10	44.73
Header - Rice (CL)	30' Rigid	275hp	26,406	300	8	0.211	2.15	6.97	1.39	4.19	14.72	2.61	20.09	37.43
Header - Rice (SL)	22' Rigid	240hp	21,887	300	8	0.250	2.55	7.19	1.36	4.20	15.32	2.56	20.14	38.02
Header - Rice (SL)	25' Rigid	275hp	25,387	300	8	0.220	2.24	7.25	1.39	4.36	15.25	2.61	20.89	38.76
Header - Rice (SL)	30' Rigid	275hp	26,406	300	8	0.183	1.87	6.04	1.21	3.63	12.76	2.26	17.41	32.43
Header - Soybean	18' Flex	240hp	20,317	300	8	0.141	1.44	4.08	0.72	2.38	8.64	1.34	11.43	21.42
Header - Soybean	22' Flex	240hp	21,525	300	8	0.116	1.18	3.34	0.62	1.95	7.10	1.16	9.35	17.62
Header - Soybean	25' Flex	275hp	23,651	300	8	0.102	1.04	3.36	0.60	2.02	7.04	1.13	9.70	17.87
Header - Soybean	30' Flex	275hp	26,468	300	8	0.085	0.86	2.80	0.56	1.68	5.92	1.05	8.08	15.06
Header - Soybean	35' Flex	325hp	31,612	300	8	0.072	0.74	2.84	0.57	1.70	5.87	1.07	8.17	15.13
Header - Wheat/Sorghum	18' Rigid	240hp	19,069	300	8	0.141	1.44	4.08	0.67	2.38	8.59	1.26	11.43	21.29
Header - Wheat/Sorghum	22' Rigid	240hp	19,571	300	8	0.116	1.18	3.34	0.56	1.95	7.04	1.06	9.35	17.46
Header - Wheat/Sorghum	25' Rigid	275hp	20,103	300	8	0.102	1.04	3.36	0.51	2.02	6.95	0.96	9.70	17.61
Header - Wheat/Sorghum	30' Rigid	275hp	22,598	300	8	0.085	0.86	2.80	0.48	1.68	5.84	0.90	8.08	14.83
Header-Cotton Bcast	13'	173 hp	17,010	200	8	0.251	4.41	4.74	0.80	5.01	14.97	3.00	24.02	42.00
Header-Cotton-Bcast	16'	173 hp	19,260	200	8	0.204	3.58	3.85	0.73	4.07	12.25	2.76	19.51	34.53
Header-Cotton-Bcast	19'	173 hp	21,465	200	8	0.172	3.01	3.24	0.69	3.43	10.38	2.59	16.43	29.42
Header-Cotton-Brush	4R-30 2x1	173 hp	24,786	200	8	0.218	3.82	4.10	1.01	4.34	13.29	3.79	20.81	37.91
Header-Cotton-Brush	4R-36	173 hp	24,566	200	8	0.272	4.77	5.13	1.25	5.43	16.60	4.70	26.02	47.33
Header-Cotton-Brush	4R-38	173 hp	24,537	200	8	0.257	4.51	4.85	1.18	5.13	15.69	4.44	24.59	44.72
Header-Cotton-Brush	4R-38 2x1	173 hp	25,964	200	8	0.172	3.01	3.24	0.83	3.43	10.53	3.14	16.43	30.11
Header-Cotton-Brush	5R-30	173 hp	30,888	200	8	0.261	4.58	4.93	1.51	5.21	16.25	5.67	24.98	46.91
Header-Cotton-Brush	5R-38	173 hp	32,007	200	8	0.207	3.63	3.90	1.24	4.12	12.90	4.65	19.76	37.32
Header-Cotton-Brush	6R-30	173 hp	38,092	200	8	0.218	3.82	4.10	1.55	4.34	13.83	5.83	20.81	40.49
Header-Cotton-Brush	6R-38	2WD 50	39,251	200	8	0.172	3.01	1.03	1.26	0.09	5.41	4.74	0.74	10.90
Header-Cotton-Brush	8R-30	173 hp	52,457	200	8	0.163	2.86	3.08	1.61	3.26	10.82	6.02	15.61	32.46
Header-Cotton-Brush	8R-36/38	173 hp	53,607	200	8	0.129	2.26	2.43	1.30	2.57	8.58	4.86	12.34	25.79
Heavy Disk	14'	MFWD 150	17,073	180	10	0.145	1.49	2.62	0.69	0.46	5.27	1.82	3.46	10.56
Heavy Disk	21'	MFWD 170	25,186	180	10	0.097	0.99	1.98	0.68	0.34	4.00	1.79	2.66	8.46
Heavy Disk	27'	MFWD 190	35,140	180	10	0.075	0.77	1.72	0.73	0.28	3.51	1.95	2.18	7.65
Land Plane	50'x16'	MFWD 190	7,106	200	10	0.151	1.54	3.45	0.21	0.56	5.78	0.71	4.37	10.87
Levee Pull (1m/80a)	8 blade	MFWD 170	5,600	100	10	0.003	0.03	0.07	0.00	0.01	0.12	0.02	0.09	0.25
Levee Splitter (1/80)	8 blade	MFWD 150	5,600	100	10	0.004	0.04	0.07	0.00	0.01	0.13	0.03	0.09	0.26
Middle Buster	4R-38	MFWD 150	7,868	160	8	0.228	2.33	4.10	0.42	0.72	7.58	1.62	5.42	14.63
Middle Buster	6R-38	MFWD 150	9,591	160	8	0.120	1.22	2.16	0.27	0.38	4.04	1.04	2.85	7.94
Middle Buster	8R-30	MFWD 190	13,977	160	8	0.114	1.16	2.60	0.37	0.42	4.56	1.44	3.29	9.30
Middle Buster	8R-38	MFWD 190	12,713	160	8	0.090	0.92	2.05	0.26	0.33	3.58	1.04	2.60	7.22
Middle Buster	8R-38 2x1	MFWD 190	20,331	160	8	0.060	0.61	1.36	0.28	0.22	2.49	1.10	1.73	5.33
Middle Buster	10R-30	MFWD 225	15,541	160	8	0.091	0.93	2.46	0.33	0.40	4.13	1.28	3.11	8.53
Middle Buster	10R-38	MFWD 225	16,508	160	8	0.072	0.73	1.94	0.27	0.31	3.27	1.07	2.45	6.81
Middle Buster	12R-38	MFWD 225	20,331	160	8	0.060	0.61	1.62	0.28	0.26	2.78	1.10	2.05	5.94
Module Builder-1st	2R-38(157)	MFWD 190	33,304	200	10	0.519	9.10	11.84	4.32	1.93	27.21	11.14	14.98	53.34
Module Builder-1st	4R-30(255)	MFWD 190	33,304	200	10	0.327	5.73	7.45	2.72	1.22	27.14	7.02	9.44	33.60
Module Builder-1st	4R-30(325)	MFWD 190	33,304	200	10	0.327	5.73	7.45	2.72	1.22	27.14	7.02	9.44	33.60
Module Builder-1st	4R-30(350)	MFWD 190	33,304	200	10	0.327	5.73	7.45	2.72	1.22	27.14	7.02	9.44	33.60
Module Builder-1st	4R-38(255)	MFWD 190	33,304	200	10	0.257	4.51	5.87	2.14	0.96	13.49	5.52	7.43	26.46
Module Builder-1st	4R-38(325)	MFWD 190	33,304	200	10	0.257	4.51	5.87	2.14	0.96	13.49	5.52	7.43	26.46
Module Builder-1st	4R-38(325)	MFWD 190	33,304	200	10	0.172	3.01	3.92	1.43	0.64	9.02	3.69	4.96	17.68
Module Builder-1st	4R-2x1(255)	MFWD 190	33,304	200	10	0.172	3.01	3.92	1.43	0.64	9.02	3.69	4.96	17.68
Module Builder-1st	5R-30(255)	MFWD 190	33,304	200	10	0.261	4.58	5.96	2.18	0.97	13.71	5.61	7.55	26.88
Module Builder-1st	5R-38(255)	MFWD 190	33,304	200	10	0.207	3.63	4.72	1.72	0.77	10.84	4.44	5.97	21.27
Module Builder-1st	6R-30(325)	MFWD 190	33,304	200	10	0.218	3.82	4.97	1.81	0.81	11.42	4.68	6.29	22.40
Module Builder-1st	6R-38(325)	MFWD 190	33,304	200	10	0.172	3.01	3.92	1.43	0.64	9.02	3.69	4.96	17.68
Module Builder-2nd	2R-38(157)	MFWD 190	33,304	200	10	0.440	7.71	10.03	3.66	1.64	23.04	9.44	12.69	45.18
Module Builder-2nd	4R-30(255)	MFWD 190	33,304	2										

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---			Total Imp.	Total P.U.	--Fixed--	Total Cost
									Imp.	P.U.	Direct				
			dollars	hours	years	hr/ac			-----\$/acre-----						
Module Builder-2nd	4R-30(350)	MFWD 190	33,304	200	10	0.277	4.85	6.31	2.30	1.03	14.52	5.94	7.99	28.46	
Module Builder-2nd	4R-38(255)	MFWD 190	33,304	200	10	0.218	3.82	4.97	1.81	0.81	11.43	4.68	6.29	22.41	
Module Builder-2nd	4R-38(325)	MFWD 190	33,304	200	10	0.218	3.82	4.97	1.81	0.81	11.43	4.68	6.29	22.41	
Module Builder-2nd	4R2x1(255)	MFWD 190	33,304	200	10	0.145	2.55	3.32	1.21	0.54	7.64	3.13	4.20	14.98	
Module Builder-2nd	5R-30(255)	MFWD 190	33,304	200	10	0.221	3.88	5.05	1.84	0.82	11.61	4.75	6.39	22.77	
Module Builder-2nd	5R-38(255)	MFWD 190	33,304	200	10	0.175	3.07	3.99	1.46	0.65	9.19	3.76	5.06	18.01	
Module Builder-2nd	6R-30(325)	MFWD 190	33,304	200	10	0.184	3.23	4.21	1.53	0.68	9.68	3.96	5.33	18.97	
Module Builder-2nd	6R-38(325)	MFWD 190	33,304	200	10	0.145	2.55	3.32	1.21	0.54	7.64	3.13	4.20	14.98	
Module Builder-Strip	13' Bcast	MFWD 150	33,304	200	10	0.251	4.41	4.53	2.09	0.79	11.83	5.40	5.98	23.22	
Module Builder-Strip	16' Bcast	MFWD 150	33,304	200	10	0.204	3.58	3.68	1.70	0.64	9.61	4.38	4.85	18.86	
Module Builder-Strip	19' Bcast	MFWD 150	33,304	200	10	0.172	3.01	3.09	1.43	0.54	8.09	3.69	4.09	15.88	
Module Builder-Strip	4R-30 2x1	MFWD 150	33,304	200	10	0.218	3.82	3.92	1.81	0.69	10.25	4.68	5.18	20.12	
Module Builder-Strip	4R-36	MFWD 150	33,304	200	10	0.272	4.77	4.90	2.27	0.86	12.82	5.85	6.47	25.15	
Module Builder-Strip	4R-38	MFWD 150	33,304	200	10	0.257	4.51	4.63	2.14	0.81	12.11	5.52	6.12	23.76	
Module Builder-Strip	4R-38 2x1	MFWD 150	33,304	200	10	0.172	3.01	3.09	1.43	0.54	8.09	3.69	4.09	15.88	
Module Builder-Strip	5R-30	MFWD 150	33,304	200	10	0.261	4.58	4.71	2.18	0.83	12.31	5.61	6.22	24.14	
Module Builder-Strip	5R-38	MFWD 150	33,304	200	10	0.207	3.63	3.72	1.72	0.65	9.73	4.44	4.92	19.10	
Module Builder-Strip	6R-30	MFWD 150	33,304	200	10	0.218	3.82	3.92	1.81	0.69	10.25	4.68	5.18	20.12	
Module Builder-Strip	6R-38	MFWD 190	33,304	200	10	0.172	3.01	3.92	1.43	0.64	9.02	3.69	4.96	17.68	
Module Builder-Strip	8R-36/38	MFWD 190	33,304	200	10	0.129	2.26	2.94	1.07	0.48	6.77	2.77	3.73	13.28	
NT Grain Drill	10'	2WD 130	24,867	150	8	0.235	4.12	3.67	2.19	0.57	10.57	5.30	4.30	20.19	
NT Grain Drill	12'	2WD 130	28,658	150	8	0.163	2.86	2.55	1.75	0.39	7.57	4.24	2.99	14.81	
NT Grain Drill	15'	MFWD 150	35,830	150	8	0.130	2.29	2.35	1.75	0.41	6.82	4.24	3.11	14.18	
NT Grain Drill	20'	MFWD 170	47,785	150	8	0.098	1.72	2.00	1.75	0.34	5.83	4.24	2.69	12.77	
NT Grain Drill	24'	MFWD 190	71,246	150	8	0.081	1.43	1.86	2.18	0.30	5.79	5.27	2.36	13.43	
NT Grain Drill	30'	MFWD 225	70,350	150	8	0.065	1.14	1.76	1.72	0.28	4.93	4.16	2.23	11.33	
NT Grain Drill & Pre	10'	2WD 130	30,114	150	8	0.211	3.70	3.29	2.38	0.51	9.90	5.76	3.86	19.54	
NT Grain Drill & Pre	12'	2WD 130	33,905	150	8	0.176	3.08	2.74	2.24	0.43	8.50	5.41	3.22	17.14	
NT Grain Drill & Pre	15'	MFWD 150	41,077	150	8	0.141	2.47	2.53	2.17	0.44	7.62	5.24	3.34	16.22	
NT Grain Drill & Pre	20'	MFWD 170	53,032	150	8	0.105	1.85	2.15	2.10	0.37	6.48	5.07	2.89	14.46	
NT Grain Drill & Pre	24'	MFWD 190	76,493	150	8	0.088	1.54	2.00	2.52	0.32	6.40	6.10	2.54	15.05	
NT Grain Drill & Pre	30'	MFWD 225	75,598	150	8	0.070	1.23	1.90	1.99	0.31	5.44	4.82	2.40	12.67	
NT Plant&Pre-Folding	8R-38	MFWD 170	43,021	150	8	0.083	1.46	1.70	1.34	0.29	4.81	3.25	2.29	10.36	
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	57,305	150	8	0.055	0.97	1.13	1.19	0.19	3.50	2.88	1.52	7.91	
NT Plant&Pre-Folding	10R-30	MFWD 190	55,481	150	8	0.084	1.48	1.92	1.76	0.31	5.48	4.24	2.44	12.17	
NT Plant&Pre-Folding	10R-38	MFWD 190	52,893	150	8	0.066	1.16	1.52	1.32	0.24	4.26	3.19	1.92	9.38	
NT Plant&Pre-Folding	12R-20	MFWD 190	54,256	150	8	0.105	1.85	2.41	2.15	0.39	6.80	5.19	3.05	15.05	
NT Plant&Pre-Folding	12R-30	MFWD 190	63,616	150	8	0.070	1.23	1.60	1.68	0.26	4.78	4.06	2.03	10.88	
NT Plant&Pre-Folding	12R-38	MFWD 190	59,634	150	8	0.055	0.97	1.26	1.24	0.20	3.69	3.00	1.60	8.30	
NT Plant&Pre-Folding	16R-30	MFWD 190	85,789	150	8	0.052	0.92	1.20	1.70	0.19	4.02	4.10	1.52	9.66	
NT Plant&Pre-Folding	23R-15	MFWD 190	99,593	150	8	0.073	1.28	1.67	2.74	0.27	5.97	6.62	2.11	14.71	
NT Plant&Pre-Folding	24R-15	MFWD 225	101,578	150	8	0.070	1.23	1.90	2.68	0.31	6.13	6.48	2.40	15.02	
NT Plant&Pre-Folding	24R-20	MFWD 190	116,358	150	8	0.052	0.92	1.20	2.30	0.19	4.63	5.56	1.52	11.73	
NT Plant&Pre-Folding	24R-30	MFWD 190	141,887	150	8	0.035	0.61	0.80	1.87	0.13	3.42	4.52	1.01	8.97	
NT Plant&Pre-Folding	31R-15	MFWD 225	126,903	150	8	0.054	0.95	1.47	2.60	0.24	5.27	6.27	1.86	13.41	
NT Plant&Pre-Folding	32R-15	MFWD 225	128,819	150	8	0.052	0.92	1.42	2.55	0.23	5.14	6.16	1.80	13.11	
NT Plant&Pre-Folding	32R-30	MFWD 225	211,058	150	8	0.026	0.46	0.71	2.09	0.11	3.38	5.05	0.90	9.33	
NT Plant&Pre-Folding	36R-20	MFWD 225	148,766	150	8	0.035	0.61	0.95	1.96	0.15	3.69	4.74	1.20	9.64	
NT Plant&Pre-Folding	36R-30	MFWD 225	216,431	150	8	0.023	0.41	0.63	1.90	0.10	3.05	4.60	0.80	8.46	
NT Plant&Pre-Rigid	4R-30	2WD 130	23,011	150	8	0.211	3.70	3.29	1.82	0.51	9.34	4.40	3.86	17.62	
NT Plant&Pre-Rigid	4R-38	2WD 130	23,351	150	8	0.166	2.91	2.59	1.45	0.40	7.38	3.52	3.04	13.94	
NT Plant&Pre-Rigid	6R-30	MFWD 150	29,138	150	8	0.141	2.47	2.53	1.54	0.44	6.99	3.71	3.34	14.06	
NT Plant&Pre-Rigid	6R-38	MFWD 150	28,778	150	8	0.111	1.95	2.00	1.20	0.35	5.50	2.90	2.64	11.05	
NT Plant&Pre-Rigid	8R-30	MFWD 170	34,646	150	8	0.105	1.85	2.15	1.37	0.37	5.75	3.31	2.89	11.97	
NT Plant&Pre-Rigid	8R-38	MFWD 170	32,221	150	8	0.083	1.46	1.70	1.01	0.29	4.47	2.43	2.29	9.20	
NT Plant&Pre-Rigid	10R-30	MFWD 190	35,847	150	8	0.084	1.48	1.92	1.13	0.31	4.86	2.74	2.44	10.05	
NT Plant&Pre-Rigid	11R-15	MFWD 170	41,039	150	8	0.143	2.52	2.93	2.21	0.50	8.17	5.34	3.94	17.46	
NT Plant&Pre-Rigid	11R-20	MFWD 170	37,716	150	8	0.115	2.02	2.35	1.63	0.40	6.42	3.94	3.16	13.54	
NT Plant&Pre-Rigid	12R-20	MFWD 190	51,000	150	8	0.105	1.85	2.41	2.02	0.39	6.68	4.88	3.05	14.61	
NT Plant&Pre-Rigid	12R-30	MFWD 190	53,261	150	8	0.070	1.23	1.60	1.40	0.26	4.51	3.39	2.03	9.94	
NT Plant&Pre-Rigid	13R-18/20	MFWD 225	47,102	150	8	0.097	1.70	2.63	1.72	0.43	6.49	4.15	3.32	13.97	
NT Plant&Pre-Rigid	13R-36/40	MFWD 225	42,223	150	8	0.051	0.90	1.39	0.81	0.22	3.34	1.97	1.76	7.07	
NT Plant&Pre-Rigid	15R-15	MFWD 190	51,943	150	8	0.113	1.98	2.57	2.20	0.42	7.18	5.31	3.26	15.76	
NT Plant&Pre-Rigid	15R-20	MFWD 190	51,799	150	8	0.084	1.48	1.92	1.64	0.31	5.37	3.96	2.44	11.77	
NT Plant&Pre-Rigid	16R-30	MFWD 225	91,438	150	8	0.052	0.92	1.42	1.81	0.23	4.39	4.37	1.80	10.58	
NT Plant&Pre-TwinRow	12R-30/40	MFWD 225	93,702	150	8	0.055	0.97	1.50	1.95	0.24	4.67	4.72	1.89	11.30	
NT Plant&Pre-TwinRow	8R-30/40	MFWD 225	72,036	150	8	0.083	1.46	2.25	2.25	0.36	6.34	5.45	2.85	14.65	
NT Plant-Folding	8R-38	MFWD 170	37,773	150	8	0.077	1.36	1.58	1.09	0.27	4.31	2.65	2.12	9.10	
NT Plant-Folding	8R-38 2x1	MFWD 170	52,058	150	8	0.051	0.90	1.05	1.00	0.18	3.15	2.43	1.41	7.00	
NT Plant-Folding	10R-30	MFWD 190	50,234	150	8	0.078	1.37	1.79	1.48	0.29	4.94	3.57	2.26	10.77	
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.08	1.41	1.10	0.23	3.83	2.67	1.78	8.29	
NT Plant-Folding	12R-20	MFWD 190	49,009	150	8	0.098	1.72	2.23	1.80	0.3					

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

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

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

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

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

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

Notes:

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

Total Direct: Does not include interest on operating capital.

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

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

(continued)

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

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

(continued)

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

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
dollars					dollars
Raptor	oz	4.13	Couraze 2F	pt	47.67
Rascal Plus	pt	1.38	Curacron 8E	pt	9.66
Reflex 2LC	pt	12.55	Decis 1.5EC	oz	2.84
Regiment 80WP	oz	35.00	Declare	pt	3.67
Remedy	pt	12.17	Delta Gold	pt	40.50
Resource .86EC	pt	21.24	Denim 0.16 EC	pt	26.81
Ricestar	pt	15.45	Di-Syston 15G	lb	3.35
Ricestar HT	pt	17.55	Di-Syston 8	pt	13.10
Rifel	pt	10.38	Diamond .83EC	pt	16.75
Roundup Original	pt	4.56	Dimethoate 4E	pt	4.69
Roundup Original Max	oz	0.27	Dimilin 2L	oz	1.64
Roundup Ultra MAX	pt	5.97	Dipel DF	lb	10.56
Roundup Ultra Dry	lb	6.14	Dipel ES	pt	4.04
Roundup WeatherMax	oz	0.35	Discipline 2 EC	oz	1.90
Scepter 70 DG	oz	2.97	Force 3G	lb	4.54
Select 2EC	oz	1.35	Furadan 4F	pt	9.13
Sencor 4F	pt	10.13	Gaucho 480	oz	7.30
Sencor DF	lb	14.81	Incidental Pest Trt	acre	12.00
Sequence	pt	6.38	Intrepid 2F	oz	1.93
Stalwart	pt	6.88	Intruder 70WSP	oz	8.00
Stam 4E	qt	5.12	Karate EC	oz	1.70
Stam 80 EDF	lb	4.81	Karate Z	oz	3.10
Stam M4	qt	5.98	Lannate LV	pt	7.10
Staple	oz	18.97	Lannate SP	oz	1.41
Staple LX	oz	6.83	Larvin 3.2	oz	0.48
Steadfast	oz	22.36	Leverage 2.7	oz	3.00
Storm	pt	9.50	Lorsban 15G	lb	1.58
Strongarm	oz	43.04	Lorsban 4E	pt	4.40
Superwham	qt	6.56	Malathion 5E	pt	3.18
Suprend	lb	10.17	Malathion 8E	pt	4.68
Surpass 20G	lb	2.36	Malathion ULV	pt	4.93
Surpass EC	qt	19.06	Methyl Parathion	pt	4.26
Synchrony XP	oz	6.08	Monitor 4	pt	13.16
Touchdown 4 IQ	pt	3.33	Mustang Max	oz	1.63
Touchdown HiTech	qt	8.06	Orthene 90S	lb	8.85
Touchdown Total	qt	8.68	Orthene 97	lb	11.81
Treflan 4L	pt	2.75	Penncap-M	pt	11.37
Treflan HFP	pt	2.35	Pounce 25WP	lb	10.48
Treflan TR-10	lb	0.79	Prolex	oz	3.48
Trifluralin 4EC	pt	2.23	Provado 1.6F	oz	3.42
Valor SX	oz	4.32	Sevin 80S	lb	5.90
Whip 360	pt	22.99	Sevin XLR Plus	qt	8.14
Zorial Rapid 80DF	lb	13.95	Spintor 2SC	oz	4.71
INCULCANT			Steward	pt	22.28
Innoculant (Liquid)	pt	10.34	Temik 15G Grit	lb	3.20
Nitragin S	oz	0.25	Temik 15G Gypsum	lb	3.33
So-Fast Sterile Peat	oz	0.80	Thimet 20-G Lock N L	lb	2.67
INSECT SCOUTING			Thionex 3 EC	pt	3.47
Insect Scouting	acre	7.00	Thionex 50W	lb	7.99
INSECTICIDES			Tracer	oz	6.38
Acephate 90%	lb	7.68	Trimax	oz	4.13
Acephate 90SP	lb	6.50	Vydate C-LV	oz	0.56
Admire 2	oz	4.78	Warrior ZT	oz	2.16
Ammo 2.5 EC	oz	0.65	Zephyr	oz	4.48
Asana .66 XL	oz	0.71	IRRIGATION SUPPLIES		
Aztec 2.1% G	lb	2.32	Roll-Out Pipe	ft	0.20
Baythroid 2	oz	2.88	SEED/PLANTS		
Bidrin 8L	oz	0.84	Corn Seed Bt	thous	1.96
Brigade EC	pt	28.25	Corn Seed BtRR	thous	2.01
Brigade WSB	lb	19.89	Corn Seed Conv.	thous	1.55
Capture 2EC	oz	2.59	Corn Seed RR	thous	1.87
Carbine	oz	4.10	Cotton Seed BtRR	thous	0.46
Centric 40WG	oz	5.04	Cotton Seed BtRRF	thous	0.50
Comite	pt	7.06	Cotton Seed Conv.	thous	0.39
Comite 11	pt	8.46	Cotton Seed Liberty	thous	0.62
Confirm 2F	oz	1.48	Cotton Seed RR	thous	0.36
Counter 15G	lb	2.21	Cotton Seed RRF	thous	0.39
Counter CR	lb	2.86	Peanut Seed	lb	0.57
Couraze 1.6F	pt	33.33	(continued)		

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

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

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

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

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

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

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

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

<sup>a</sup> Average of the futures contract month closings in October.

<sup>b</sup> The basis is computed by subtracting the 2001-2007 average near futures contract month closings in October from the daily spot cash prices reported in October.

Sources: Arkansas Farm Bureau Commodity Report and Daily Grain Report, Mississippi Department of Ag-USDA Market News.

<sup>c</sup> Forward contract price for cotton, soybeans, corn, wheat, and rice is the futures contract price plus the basis.

Forward contract price for grain sorghum is the average contract bids reported in October in the Daily Grain Report, Mississippi Department of Ag-USDA Market News. The forward contract price for peanuts is estimated from a poll of industry peanut buyers.

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

<sup>e</sup> Price used in the 2008 MAFES Planning Budgets.

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

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