

**NON-DELTA
2014
PLANNING BUDGETS**

**Mississippi State University
Department of Agricultural Economics
Budget Report 2013-06**

December 2013

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 2014 planning decisions. This would be a one-year short-run decision. Decisions beyond one year, or long-run decisions, should be based on "**Returns Above Specified Expenses.**"

Acknowledgments

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

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

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

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2014 Planning Budgets

Budgets for Agricultural Enterprises

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

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

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

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

Methods and Procedures

Production Practices

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

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

Machinery

Machinery manufacturers form the basis for machinery prices used in these publications. Prices by size of equipment are determined from the most common sales in each category as reported by machinery dealers. Prices used in the budgets reflect prices paid by farmers in 2013. (Appendix Tables 1, 2, and 3).

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

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

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

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

Estimates of Direct Costs

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

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

$$RPA = RPH \times PR$$

where:

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

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

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

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

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

Estimates of Fixed Costs

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

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

where:

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

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

where:

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

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

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

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

where:

CRCPH = Capital recovery charge per hour

HAU = Hours of annual use

CRCPA = Capital recovery charge per acre

PR = Performance rate

Estimates of Returns

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

To estimate returns, a price for the commodity must be used. Individual producers must determine their own expected price for the commodity. Commodity prices used in this report represent the higher of a calculated forward contract price or the loan rate that was applicable for the 2013 crop year. Government payments for commodities are not included in the budgets except to the extent that they are included in loan rates.

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

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

Irrigation Costs

A dryland crop budget may be converted to an irrigated crop budget by adding the appropriate direct and fixed costs to the costs of the dryland crop. Also, adjustments in crop yields and other costs may be required with the addition of supplemental irrigation.

Net Returns

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

Enterprise Budgets

Table 1.A Estimated costs per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.00	1.3300	3.99	_____
Tribufos 6lb	pt	8.63	0.5000	4.32	_____
GINNING					
Gin & Haul	lb	0.11	750.0000	82.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	24.00	0.1000	2.40	_____
Potash (60% K2O)	cwt	23.75	1.4000	33.25	_____
UAN (32% N)	cwt	19.50	3.6000	70.20	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.19	0.5000	5.10	_____
Glyphosate 3lbs a.e	oz	0.13	96.0000	12.48	_____
Gramonone SL 2.0	oz	0.22	32.0000	7.04	_____
Cotoran 4L	pt	5.80	2.0000	11.60	_____
Dual Magnum	pt	12.62	1.0000	12.62	_____
Diuron 4L	pt	3.49	1.6000	5.58	_____
INSECTICIDES					
Acephate 90%	lb	6.68	1.5200	10.15	_____
Centric 40WG	oz	4.70	2.0000	9.40	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.98	2.0000	1.96	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.72	45.0000	32.40	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.08	24.0000	1.92	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.50	1.0000	7.50	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.5000	24.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	1.1134	13.91	_____
Self-Propelled	hour	12.50	0.4120	5.15	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.3349	3.04	_____
UNALLOCATED LABOR					
	hour	12.53	1.2203	15.30	_____
DIESEL FUEL					
Tractors	gal	3.30	10.8888	35.95	_____
Self-Propelled	gal	3.30	6.0322	19.87	_____
REPAIR & MAINTENANCE					
Implements	acre	10.52	1.0000	10.52	_____
Tractors	acre	5.57	1.0000	5.57	_____
Self-Propelled	acre	17.75	1.0000	17.75	_____
INTEREST ON OP. CAP.	acre	8.74	1.0000	8.74	_____
TOTAL DIRECT EXPENSES				589.52	_____
FIXED EXPENSES					
Implements	acre	16.89	1.0000	16.89	_____
Tractors	acre	33.95	1.0000	33.95	_____
Self-Propelled	acre	71.70	1.0000	71.70	_____
TOTAL FIXED EXPENSES				122.54	_____
TOTAL SPECIFIED EXPENSES				712.06	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 1.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.78	750.0000	588.75	_____
Cotton Seed	lb	0.10	1125.0000	120.38	_____

TOTAL INCOME				709.13	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	11.13	1.0000	11.13	_____
GINNING	acre	82.50	1.0000	82.50	_____
FERTILIZERS	acre	105.85	1.0000	105.85	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	54.42	1.0000	54.42	_____
INSECTICIDES	acre	34.88	1.0000	34.88	_____
SEED/PLANTS	acre	32.40	1.0000	32.40	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	1.92	1.0000	1.92	_____
CUSTOM FERTILIZE	acre	7.50	1.0000	7.50	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	24.00	1.0000	24.00	_____
HAND LABOR	hour	9.06	0.7840	7.11	_____
OPERATOR LABOR	hour	12.50	1.5254	19.06	_____
UNALLOCATED LABOR	hour	12.53	1.2203	15.30	_____
DIESEL FUEL	gal	3.30	16.9211	55.82	_____
REPAIR & MAINTENANCE	acre	33.84	1.0000	33.84	_____
INTEREST ON OP. CAP.	acre	8.74	1.0000	8.74	_____

TOTAL DIRECT EXPENSES				589.52	_____
RETURNS ABOVE DIRECT EXPENSES				119.61	_____

TOTAL FIXED EXPENSES				122.54	_____

TOTAL SPECIFIED EXPENSES				712.06	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-2.93	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Table 1.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
B2RF variety, Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1000				
Bed-Paratill Fold	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Sprayer 600-750gal	60' 175hp		0.017	1.00	Mar			0.01	0.02	0.01
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Bed-Disk (Hipper)Rd	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramonone SL 2.0	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Diuron 4L	pt					1.6000				
Glyphosate 3lbs a.e	oz					32.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jul			0.01	0.02	0.01
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer 600-750gal	60' 175hp		0.017	0.25	Jul			0.00	0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
Sprayer 600-750gal	60' 175hp		0.017					0.01	0.02	0.01
Incidental Pest Trt	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Aug			0.01	0.02	0.01
Acephate 90%	lb					0.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Sep			0.01	0.02	0.01
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(350)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(350)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.52	1.11	2.30	1.22

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 1.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
B2RF variety, Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	24.00						0.90	24.90	24.90
Phosphorus(46% P2O5)	cwt	2.40						0.09	2.49	2.49
Bed-Paratill Fold	8R-38		2.61	1.99	1.82			0.24	6.66	5.10 11.76
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.03	1.19	1.04 2.23
Clarity	pt	5.10						0.13	5.23	5.23
Glyphosate 3lbs a.e	oz	4.16						0.10	4.26	4.26
Bed-Disk (Hipper)Rd	8R-38		1.20	0.34	0.83			0.06	2.43	1.51 3.94
Custom Apply Fert	acre	7.50						0.19	7.69	7.69
Potash (60% K2O)	cwt	33.25						0.83	34.08	34.08
Fert Appl (Liquid)	8R-38		2.51	1.21	2.10			0.13	5.95	3.26 9.21
UAN (32% N)	cwt	35.10						0.77	35.87	35.87
Row Cond Rigid	26'		1.93	0.49	1.35			0.07	3.84	2.58 6.42
Plant & Pre-Rigid	8R-38		2.59	1.48	2.53			0.12	6.72	4.45 11.17
Cotton Seed B2RF	thous	32.40						0.61	33.01	33.01
B2RF Cot Tech Fee	thous	67.05						1.26	68.31	68.31
Cotton Seed Trt.	acre	20.00						0.38	20.38	20.38
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04 2.22
Gramonone SL 2.0	oz	7.04						0.13	7.17	7.17
Cotoran 4L	pt	11.60						0.22	11.82	11.82
Insect Scouting	acre	7.00						0.13	7.13	7.13
Eradication	acre	1.00						0.02	1.02	1.02
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04 2.22
Dual Magnum	pt	12.62						0.24	12.86	12.86
Glyphosate 3lbs a.e	oz	4.16						0.08	4.24	4.24
Acephate 90%	lb	1.47						0.03	1.50	1.50
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04 2.22
Centric 40WG	oz	9.40						0.15	9.55	9.55
Mepiquat Chloride	oz	0.96						0.02	0.98	0.98
Fert Appl (Liquid)	8R-38		2.51	1.21	2.10			0.09	5.91	3.26 9.17
UAN (32% N)	cwt	35.10						0.55	35.65	35.65
Spray (Direct/Layby)	8R-38		2.16	0.73	1.81			0.06	4.76	2.51 7.27
Diuron 4L	pt	5.58						0.07	5.65	5.65
Glyphosate 3lbs a.e	oz	4.16						0.05	4.21	4.21
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04 2.21
Mepiquat Chloride	oz	0.96						0.01	0.97	0.97
Acephate 90%	lb	3.67						0.05	3.72	3.72
Sprayer 600-750gal	60' 175hp		0.13	0.04	0.12				0.29	0.26 0.55
Karate Z	oz	1.37						0.02	1.39	1.39
Bidrin 8WM	oz	1.96						0.02	1.98	1.98
Incidental Pest										
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04 2.21
Incidental Pest Trt	acre	12.00						0.15	12.15	12.15
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04 2.21
Acephate 90%	lb	5.01						0.05	5.06	5.06
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04 2.21
Thidiazuron 4lb	oz	2.82						0.02	2.84	2.84
Ethephon 6E	pt	3.99						0.02	4.01	4.01
Sprayer 600-750gal	60' 175hp		0.26	0.08	0.24				0.58	0.52 1.10
Tribufos 6lb	pt	4.32						0.03	4.35	4.35
Cotton Picker	4R-38(350)		15.32	16.35	8.14			0.12	39.93	62.60 102.53
Boll Buggy	4R-38(350)		8.32	3.26	5.80			0.05	17.43	11.71 29.14
Module Builder	4R-38(350)		8.32	3.45	8.14			0.06	19.97	12.09 32.06
Gin & Haul	lb	82.50						0.26	82.76	82.76
Stalk Shredder	14'		3.80	1.93	2.65			0.03	8.41	4.37 12.78
TOTALS		449.65	55.82	33.84	41.47	0.00	8.74	589.52	122.54	712.06

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 1.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2014

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	709.13
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.13	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.50
FERTILIZERS	2.40	0.00	0.00	0.00	33.25	35.10	0.00	35.10	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.26	0.00	35.42	0.00	9.74	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.47	9.40	19.00	5.01	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	32.40	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.96	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.82	0.00	0.00	0.00	1.31	2.10	4.84	2.58	2.89	0.48	0.72	24.73
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.61	0.00	0.00	0.00	1.72	2.51	5.56	3.03	3.33	0.52	0.78	35.76
REPAIR & MAINTENANCE	1.99	0.00	0.00	0.00	0.50	1.21	2.29	1.37	1.09	0.16	0.24	24.99
INTEREST ON OP. CAP.	1.23	0.00	0.00	0.00	1.34	0.90	3.33	0.83	0.45	0.06	0.08	0.52
TOTAL DIRECT EXPENSES	34.05	0.00	0.00	0.00	54.88	41.82	180.36	53.27	37.46	6.23	12.95	168.50
NET INCOME	-34.05	0.00	0.00	0.00	-54.88	-41.82	-180.36	-53.27	-37.46	-6.23	-12.95	540.63
NET INCOME TO DATE	-34.05	-34.05	-34.05	-34.05	-88.93	-130.75	-311.11	-364.38	-401.84	-408.07	-421.02	119.61

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 1.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 B2RF variety, Non-Delta Area, Mississippi, 2014

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
	PRODUCT PRICE												
Cotton Lint	0.58	0.62	0.66	0.70	0.74	0.78	0.82	0.86	0.90	0.94	0.98		
PERCENT	YIELD	UNIT	dollars										
50	375.00	lb	-206 -329	-192 -314	-177 -300	-162 -285	-148 -270	-133 -255	-118 -241	-103 -226	-89 -211	-74 -197	-59 -182
60	450.00	lb	-171 -293	-153 -275	-135 -258	-118 -240	-100 -222	-82 -205	-65 -187	-47 -170	-29 -152	-12 -134	5 -117
70	525.00	lb	-135 -257	-114 -237	-94 -216	-73 -195	-52 -175	-32 -154	-11 -134	9 -113	29 -92	50 -72	70 -51
80	600.00	lb	-99 -221	-75 -198	-52 -174	-28 -151	-5 -127	18 -104	41 -80	65 -57	89 -33	112 -9	136 13
90	675.00	lb	-63 -185	-36 -159	-10 -133	16 -106	42 -80	69 -53	95 -27	121 -0	148 25	174 52	201 78
100	750.00	lb	-27 -150	1 -120	31 -91	60 -61	90 -32	119 -2	149 26	178 55	207 85	237 114	266 144
110	825.00	lb	8 -114	40 -81	73 -49	105 -17	137 15	170 47	202 80	234 112	267 144	299 177	332 209
120	900.00	lb	44 -78	79 -43	114 -7	150 27	185 62	220 98	256 133	291 168	326 204	362 239	397 274
130	975.00	lb	80 -42	118 -4	156 34	194 72	233 110	271 148	309 187	347 225	386 263	424 301	462 340
140	1050.00	lb	115 -6	157 34	198 75	239 117	280 158	322 199	363 240	404 281	445 323	486 364	528 405
150	1125.00	lb	151 29	195 73	240 117	284 161	328 205	372 250	416 294	460 338	505 382	549 426	593 470

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 2013 input prices.

Table 2.A Estimated costs per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.00	1.3300	3.99	_____
Tribufos 6lb	pt	8.63	0.5000	4.32	_____
GINNING					
Gin & Haul	lb	0.11	750.0000	82.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	24.00	0.1000	2.40	_____
**Amm Nitrate (34% N	cwt	22.50	1.8000	40.50	_____
Potash (60% K2O)	cwt	23.75	1.4000	33.25	_____
UAN (32% N)	cwt	19.50	1.8000	35.10	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.19	0.5000	5.10	_____
Glyphosate 3lbs a.e	oz	0.13	96.0000	12.48	_____
Gramonone SL 2.0	oz	0.22	32.0000	7.04	_____
Cotoran 4L	pt	5.80	2.0000	11.60	_____
Dual Magnum	pt	12.62	1.0000	12.62	_____
Diuron 4L	pt	3.49	1.6000	5.58	_____
INSECTICIDES					
Acephate 90%	lb	6.68	1.5200	10.15	_____
Centric 40WG	oz	4.70	2.0000	9.40	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.98	2.0000	1.96	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed B2RF	thous	0.72	45.0000	32.40	_____
TECHNOLOGY FEE					
B2RF Cot Tech Fee	thous	1.49	45.0000	67.05	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.08	24.0000	1.92	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.50	1.0000	7.50	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.5000	24.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	0.9212	11.52	_____
Self-Propelled	hour	12.50	0.4120	5.15	_____
HAND LABOR					
Implements	hour	9.06	0.4136	3.75	_____
Self-Propelled	hour	9.06	0.3349	3.04	_____
UNALLOCATED LABOR	hour	12.54	1.0666	13.38	_____
DIESEL FUEL					
Tractors	gal	3.30	9.0100	29.74	_____
Self-Propelled	gal	3.30	6.0322	19.87	_____
REPAIR & MAINTENANCE					
Implements	acre	8.07	1.0000	8.07	_____
Tractors	acre	4.61	1.0000	4.61	_____
Self-Propelled	acre	17.75	1.0000	17.75	_____
INTEREST ON OP. CAP.	acre	8.61	1.0000	8.61	_____
TOTAL DIRECT EXPENSES				580.54	_____
FIXED EXPENSES					
Implements	acre	13.16	1.0000	13.16	_____
Tractors	acre	28.09	1.0000	28.09	_____
Self-Propelled	acre	71.70	1.0000	71.70	_____
TOTAL FIXED EXPENSES				112.95	_____
TOTAL SPECIFIED EXPENSES				693.49	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 2.B Summary of estimated costs and returns per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.78	750.0000	588.75	_____
Cotton Seed	lb	0.10	1125.0000	120.38	_____

TOTAL INCOME				709.13	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	11.13	1.0000	11.13	_____
GINNING	acre	82.50	1.0000	82.50	_____
FERTILIZERS	acre	111.25	1.0000	111.25	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	54.42	1.0000	54.42	_____
INSECTICIDES	acre	34.88	1.0000	34.88	_____
SEED/PLANTS	acre	32.40	1.0000	32.40	_____
TECHNOLOGY FEE	acre	67.05	1.0000	67.05	_____
GROWTH REGULATORS	acre	1.92	1.0000	1.92	_____
CUSTOM FERTILIZE	acre	7.50	1.0000	7.50	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	24.00	1.0000	24.00	_____
HAND LABOR	hour	9.06	0.7485	6.79	_____
OPERATOR LABOR	hour	12.50	1.3333	16.67	_____
UNALLOCATED LABOR	hour	12.54	1.0666	13.38	_____
DIESEL FUEL	gal	3.30	15.0423	49.61	_____
REPAIR & MAINTENANCE	acre	30.43	1.0000	30.43	_____
INTEREST ON OP. CAP.	acre	8.61	1.0000	8.61	_____

TOTAL DIRECT EXPENSES				580.54	_____
RETURNS ABOVE DIRECT EXPENSES				128.59	_____

TOTAL FIXED EXPENSES				112.95	_____

TOTAL SPECIFIED EXPENSES				693.49	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				15.64	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Table 2.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Mar			0.01	0.02	0.01
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Custom Apply Fert	acre			1.00	Mar	1.0000				
**Amm Nitrate (34% N	cwt					1.8000				
Potash (60% K2O)	cwt					1.4000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant&Pre-Rigid	8R-38	MFWD 190	0.083	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed B2RF	thous					45.0000				
B2RF Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramonone SL 2.0	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.2200				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Diuron 4L	pt					1.6000				
Glyphosate 3lbs a.e	oz					32.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jul			0.01	0.02	0.01
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer 600-750gal	60' 175hp		0.017	0.25	Jul			0.00	0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
Sprayer 600-750gal	60' 175hp		0.017					0.01	0.02	0.01
Incidental Pest Trt	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Aug			0.01	0.02	0.01
Acephate 90%	lb					0.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Sep			0.01	0.02	0.01
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(350)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(350)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.33	0.92	2.08	1.06

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 2.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, no-till
B2RF variety, Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	24.00						0.90	24.90		24.90
Phosphorus(46% P2O5)	cwt	2.40						0.09	2.49		2.49
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.03	1.19	1.04	2.23
Clarity	pt	5.10						0.13	5.23		5.23
Glyphosate 3lbs a.e	oz	4.16						0.10	4.26		4.26
Custom Apply Fert	acre	7.50						0.19	7.69		7.69
**Amm Nitrate (34% N	cwt	40.50						1.01	41.51		41.51
Potash (60% K2O)	cwt	33.25						0.83	34.08		34.08
Row Cond Rigid	26'		1.93	0.49	1.35			0.07	3.84	2.58	6.42
NT Plant&Pre-Rigid	8R-38		2.70	1.61	2.65			0.13	7.09	4.73	11.82
Cotton Seed B2RF	thous	32.40						0.61	33.01		33.01
B2RF Cot Tech Fee	thous	67.05						1.26	68.31		68.31
Cotton Seed Trt.	acre	20.00						0.38	20.38		20.38
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04	2.22
Gramonone SL 2.0	oz	7.04						0.13	7.17		7.17
Cotoran 4L	pt	11.60						0.22	11.82		11.82
Insect Scouting	acre	7.00						0.13	7.13		7.13
Eradication	acre	1.00						0.02	1.02		1.02
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04	2.22
Glyphosate 3lbs a.e	oz	4.16						0.08	4.24		4.24
Dual Magnum	pt	12.62						0.24	12.86		12.86
Acephate 90%	lb	1.47						0.03	1.50		1.50
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04	2.22
Centric 40WG	oz	9.40						0.15	9.55		9.55
Mepiquat Chloride	oz	0.96						0.02	0.98		0.98
Fert Appl (Liquid)	8R-38		2.51	1.21	2.10			0.09	5.91	3.26	9.17
UAN (32% N)	cwt	35.10						0.55	35.65		35.65
Spray (Direct/Layby)	8R-38		2.16	0.73	1.81			0.07	4.77	2.51	7.28
Diuron 4L	pt	5.58						0.09	5.67		5.67
Glyphosate 3lbs a.e	oz	4.16						0.07	4.23		4.23
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04	2.21
Mepiquat Chloride	oz	0.96						0.01	0.97		0.97
Acephate 90%	lb	3.67						0.05	3.72		3.72
Sprayer 600-750gal	60' 175hp		0.13	0.04	0.12				0.29	0.26	0.55
Karate Z	oz	1.37						0.02	1.39		1.39
Bidrin 8WM	oz	1.96						0.02	1.98		1.98
Incidental Pest											
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04	2.21
Incidental Pest Trt	acre	12.00						0.15	12.15		12.15
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04	2.21
Acephate 90%	lb	5.01						0.05	5.06		5.06
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04	2.21
Thidiazuron 4lb	oz	2.82						0.02	2.84		2.84
Ethephon 6E	pt	3.99						0.02	4.01		4.01
Sprayer 600-750gal	60' 175hp		0.26	0.08	0.24				0.58	0.52	1.10
Tribufos 6lb	pt	4.32						0.03	4.35		4.35
Cotton Picker	4R-38(350)		15.32	16.35	8.14			0.12	39.93	62.60	102.53
Boll Buggy	4R-38(350)		8.32	3.26	5.80			0.05	17.43	11.71	29.14
Module Builder	4R-38(350)		8.32	3.45	8.14			0.06	19.97	12.09	32.06
Gin & Haul	lb	82.50						0.26	82.76		82.76
Stalk Shredder	14'		3.80	1.93	2.65			0.03	8.41	4.37	12.78
TOTALS			455.05	49.61	30.43	36.84	0.00	8.61	580.54	112.95	693.49

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Table 2.E Estimated monthly income and expense flows per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2014

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	709.13
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.13	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.50
FERTILIZERS	2.40	0.00	0.00	0.00	73.75	0.00	0.00	35.10	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.26	0.00	35.42	9.74	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.47	9.40	19.00	5.01	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	32.40	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	67.05	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.96	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.48	0.00	4.96	4.39	1.08	0.48	0.72	24.73
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	0.52	0.00	5.67	5.19	1.17	0.52	0.78	35.76
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.16	0.00	2.42	2.10	0.36	0.16	0.24	24.99
INTEREST ON OP. CAP.	0.99	0.00	0.00	0.00	2.29	0.00	3.34	1.06	0.27	0.06	0.08	0.52
TOTAL DIRECT EXPENSES	27.39	0.00	0.00	0.00	93.96	0.00	180.73	67.94	22.84	6.23	12.95	168.50
NET INCOME	-27.39	0.00	0.00	0.00	-93.96	0.00	-180.73	-67.94	-22.84	-6.23	-12.95	540.63
NET INCOME TO DATE	-27.39	-27.39	-27.39	-27.39	-121.35	-121.35	-302.08	-370.02	-392.86	-399.09	-412.04	128.59

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 2.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, no-till
 B2RF variety, Non-Delta Area, Mississippi, 2014

PRODUCT	PERCENT													
	75	80	85	90	95	100	105	110	115	120	125			
	PRODUCT PRICE													
Cotton Lint	0.58	0.62	0.66	0.70	0.74	0.78	0.82	0.86	0.90	0.94	0.98			
PERCENT	YIELD	UNIT	dollars											
50	375.00	lb	-197 -310	-183 -296	-168 -281	-153 -266	-139 -252	-124 -237	-109 -222	-94 -207	-80 -193	-65 -178	-50 -163	
60	450.00	lb	-162 -275	-144 -257	-126 -239	-109 -222	-91 -204	-73 -186	-56 -169	-38 -151	-20 -133	-3 -116	14 -98	
70	525.00	lb	-126 -239	-105 -218	-85 -197	-64 -177	-43 -156	-23 -136	-2 -115	18 -94	38 -74	59 -53	79 -33	
80	600.00	lb	-90 -203	-66 -179	-43 -156	-19 -132	3 -109	27 -85	50 -62	74 -38	98 -14	121 8	145 32	
90	675.00	lb	-54 -167	-27 -140	-1 -114	25 -87	51 -61	77 -34	104 -8	130 18	157 44	183 71	210 97	
100	750.00	lb	-18 -131	10 -102	40 -72	69 -43	99 -13	128 15	158 45	187 74	216 103	246 133	275 162	
110	825.00	lb	17 -95	49 -63	82 -30	114 1	146 33	179 66	211 98	243 131	276 163	308 195	341 228	
120	900.00	lb	53 -59	88 -24	123 10	159 46	194 81	229 116	265 152	300 187	335 222	371 258	406 293	
130	975.00	lb	89 -23	127 14	165 52	203 90	242 129	280 167	318 205	356 243	395 282	433 320	471 358	
140	1050.00	lb	124 11	166 53	207 94	248 135	289 176	330 218	372 259	413 300	454 341	495 382	537 424	
150	1125.00	lb	160 47	204 92	249 136	293 180	337 224	381 268	425 312	469 356	514 401	558 445	602 489	

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 2013 input prices.

Table 3. Estimated costs per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.41	2.0000	2.82	_____
Ethephon 6E	pt	3.00	1.3300	3.99	_____
Tribufos 6lb	pt	8.63	0.5000	4.32	_____
GINNING					
Gin & Haul	lb	0.11	750.0000	82.50	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	24.00	0.1000	2.40	_____
Potash (60% K2O)	cwt	23.75	1.4000	33.25	_____
UAN (32% N)	cwt	19.50	3.6000	70.20	_____
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_____
HERBICIDES					
Clarity	pt	10.19	0.5000	5.10	_____
Glyphosate 3lbs a.e	oz	0.13	32.0000	4.16	_____
Gramonone SL 2.0	oz	0.22	32.0000	7.04	_____
Cotoran 4L	pt	5.80	2.0000	11.60	_____
Dual Magnum	pt	12.62	1.0000	12.62	_____
Liberty 280	oz	0.63	58.0000	36.54	_____
Valor SX	oz	5.49	2.0000	10.98	_____
MSMA 6.6	pt	3.16	2.7500	8.69	_____
INSECTICIDES					
Acephate 90%	lb	6.68	1.5200	10.15	_____
Centric 40WG	oz	4.70	2.0000	9.40	_____
Karate Z	oz	2.73	0.5000	1.37	_____
Bidrin 8WM	oz	0.98	2.0000	1.96	_____
Incidental Pest Trt	acre	12.00	1.0000	12.00	_____
SEED/PLANTS					
Cotton Seed LLB2	thous	1.17	45.0000	52.65	_____
TECHNOLOGY FEE					
B2 Cot Tech Fee	thous	0.76	45.0000	34.20	_____
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.08	24.0000	1.92	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.50	1.0000	7.50	_____
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_____
INSECT SCOUTING					
Insect Scouting	acre	7.00	1.0000	7.00	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.5000	24.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	1.1134	13.91	_____
Self-Propelled	hour	12.50	0.4120	5.15	_____
HAND LABOR					
Implements	hour	9.06	0.4491	4.07	_____
Self-Propelled	hour	9.06	0.3349	3.04	_____
UNALLOCATED LABOR					
	hour	12.53	1.2203	15.30	_____
DIESEL FUEL					
Tractors	gal	3.30	10.8888	35.95	_____
Self-Propelled	gal	3.30	6.0322	19.87	_____
REPAIR & MAINTENANCE					
Implements	acre	10.52	1.0000	10.52	_____
Tractors	acre	5.57	1.0000	5.57	_____
Self-Propelled	acre	17.75	1.0000	17.75	_____
INTEREST ON OP. CAP.	acre	9.18	1.0000	9.18	_____
TOTAL DIRECT EXPENSES				619.67	_____
FIXED EXPENSES					
Implements	acre	16.89	1.0000	16.89	_____
Tractors	acre	33.95	1.0000	33.95	_____
Self-Propelled	acre	71.70	1.0000	71.70	_____
TOTAL FIXED EXPENSES				122.54	_____
TOTAL SPECIFIED EXPENSES				742.21	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 3.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, conservation tillage
LLB2 variety, Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.78	750.0000	588.75	_____
Cotton Seed	lb	0.10	1125.0000	120.38	_____

TOTAL INCOME				709.13	_____
DIRECT EXPENSES					
HARVEST AIDS	acre	11.13	1.0000	11.13	_____
GINNING	acre	82.50	1.0000	82.50	_____
FERTILIZERS	acre	105.85	1.0000	105.85	_____
FUNGICIDES	acre	20.00	1.0000	20.00	_____
HERBICIDES	acre	96.73	1.0000	96.73	_____
INSECTICIDES	acre	34.88	1.0000	34.88	_____
SEED/PLANTS	acre	52.65	1.0000	52.65	_____
TECHNOLOGY FEE	acre	34.20	1.0000	34.20	_____
GROWTH REGULATORS	acre	1.92	1.0000	1.92	_____
CUSTOM FERTILIZE	acre	7.50	1.0000	7.50	_____
ERADICATION FEE	acre	1.00	1.0000	1.00	_____
INSECT SCOUTING	acre	7.00	1.0000	7.00	_____
CUSTOM LIME	acre	24.00	1.0000	24.00	_____
HAND LABOR	hour	9.06	0.7840	7.11	_____
OPERATOR LABOR	hour	12.50	1.5254	19.06	_____
UNALLOCATED LABOR	hour	12.53	1.2203	15.30	_____
DIESEL FUEL	gal	3.30	16.9211	55.82	_____
REPAIR & MAINTENANCE	acre	33.84	1.0000	33.84	_____
INTEREST ON OP. CAP.	acre	9.18	1.0000	9.18	_____

TOTAL DIRECT EXPENSES				619.67	_____
RETURNS ABOVE DIRECT EXPENSES				89.46	_____

TOTAL FIXED EXPENSES				122.54	_____

TOTAL SPECIFIED EXPENSES				742.21	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-33.08	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Table 3.C Estimated resource use for field operations, per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Nov	0.5000				
Phosphorus(46% P2O5)	cwt					0.1000				
Bed-Paratill Fold	8R-38	MFWD 190	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Sprayer 600-750gal	60' 175hp		0.017	1.00	Mar			0.01	0.02	0.01
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Bed-Disk (Hipper)Rd	8R-38	MFWD 190	0.074	0.50	Mar		0.03	0.03	0.03	0.02
Custom Apply Fert	acre			1.00	Mar	1.0000				
Potash (60% K2O)	cwt					1.4000				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Row Cond Rigid	26'	MFWD 190	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant & Pre-Rigid	8R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Cotton Seed LLB2	thous					45.0000				
B2 Cot Tech Fee	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Gramonone SL 2.0	oz					32.0000				
Cotoran 4L	pt					2.0000				
Insect Scouting	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	May			0.01	0.02	0.01
Dual Magnum	pt					1.0000				
Liberty 280	oz					29.0000				
Acephate 90%	lb					0.2200				
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32% N)	cwt					1.8000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jun			0.01	0.02	0.01
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					12.0000				
Liberty 280	oz					29.0000				
Spray (Direct/Layby)	8R-38	MFWD 190	0.066	1.00	Jul		0.06	0.06	0.10	0.05
Valor SX	oz					2.0000				
MSMA 6.6	pt					2.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Jul			0.01	0.02	0.01
Mepiquat Chloride	oz					12.0000				
Acephate 90%	lb					0.5500				
Sprayer 600-750gal	60' 175hp		0.017	0.25	Jul			0.00	0.00	0.00
Karate Z	oz					0.5000				
Bidrin 8WM	oz					2.0000				
Incidental Pest				1.00	Jul					
Sprayer 600-750gal	60' 175hp		0.017					0.01	0.02	0.01
Incidental Pest Trt	acre					1.0000				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Aug			0.01	0.02	0.01
Acephate 90%	lb					0.7500				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Sep			0.01	0.02	0.01
Thidiazuron 4lb	oz					2.0000				
Ethephon 6E	pt					1.3300				
Sprayer 600-750gal	60' 175hp		0.017	0.50	Sep			0.00	0.01	0.00
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R-38(350)		0.257	1.00	Oct			0.25	0.51	0.20
Boll Buggy	4R-38(350)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.25	0.20
Module Builder	4R-38(350)	MFWD 190	0.257	1.00	Oct		0.25	0.25	0.51	0.20
Gin & Haul	lb			1.00	Oct	750.0000				
Stalk Shredder	14'	MFWD 190	0.117	1.00	Oct		0.11	0.11	0.11	0.09
TOTALS							1.52	1.11	2.30	1.22

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 3.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
LLB2 variety, Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	24.00						0.90	24.90	24.90
Phosphorus(46% P2O5)	cwt	2.40						0.09	2.49	2.49
Bed-Paratill Fold	8R-38		2.61	1.99	1.82			0.24	6.66	5.10 11.76
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.03	1.19	1.04 2.23
Clarity	pt	5.10						0.13	5.23	5.23
Glyphosate 3lbs a.e	oz	4.16						0.10	4.26	4.26
Bed-Disk (Hipper)Rd	8R-38		1.20	0.34	0.83			0.06	2.43	1.51 3.94
Custom Apply Fert	acre	7.50						0.19	7.69	7.69
Potash (60% K2O)	cwt	33.25						0.83	34.08	34.08
Fert Appl (Liquid)	8R-38		2.51	1.21	2.10			0.13	5.95	3.26 9.21
UAN (32% N)	cwt	35.10						0.77	35.87	35.87
Row Cond Rigid	26'		1.93	0.49	1.35			0.07	3.84	2.58 6.42
Plant & Pre-Rigid	8R-38		2.59	1.48	2.53			0.12	6.72	4.45 11.17
Cotton Seed LLB2	thous	52.65						0.99	53.64	53.64
B2 Cot Tech Fee	thous	34.20						0.64	34.84	34.84
Cotton Seed Trt.	acre	20.00						0.38	20.38	20.38
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04 2.22
Gramonone SL 2.0	oz	7.04						0.13	7.17	7.17
Cotoran 4L	pt	11.60						0.22	11.82	11.82
Insect Scouting	acre	7.00						0.13	7.13	7.13
Eradication	acre	1.00						0.02	1.02	1.02
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04 2.22
Dual Magnum	pt	12.62						0.24	12.86	12.86
Liberty 280	oz	18.27						0.34	18.61	18.61
Acephate 90%	lb	1.47						0.03	1.50	1.50
Fert Appl (Liquid)	8R-38		2.51	1.21	2.10			0.09	5.91	3.26 9.17
UAN (32% N)	cwt	35.10						0.55	35.65	35.65
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.02	1.18	1.04 2.22
Centric 40WG	oz	9.40						0.15	9.55	9.55
Mepiquat Chloride	oz	0.96						0.02	0.98	0.98
Liberty 280	oz	18.27						0.29	18.56	18.56
Spray (Direct/Layby)	8R-38		2.16	0.73	1.81			0.06	4.76	2.51 7.27
Valor SX	oz	10.98						0.14	11.12	11.12
MSMA 6.6	pt	8.69						0.11	8.80	8.80
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04 2.21
Mepiquat Chloride	oz	0.96						0.01	0.97	0.97
Acephate 90%	lb	3.67						0.05	3.72	3.72
Sprayer 600-750gal	60' 175hp		0.13	0.04	0.12				0.29	0.26 0.55
Karate Z	oz	1.37						0.02	1.39	1.39
Bidrin 8WM	oz	1.96						0.02	1.98	1.98
Incidental Pest										
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04 2.21
Incidental Pest Trt	acre	12.00						0.15	12.15	12.15
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04 2.21
Acephate 90%	lb	5.01						0.05	5.06	5.06
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.48			0.01	1.17	1.04 2.21
Thidiazuron 4lb	oz	2.82						0.02	2.84	2.84
Ethephon 6E	pt	3.99						0.02	4.01	4.01
Sprayer 600-750gal	60' 175hp		0.26	0.08	0.24				0.58	0.52 1.10
Tribufos 6lb	pt	4.32						0.03	4.35	4.35
Cotton Picker	4R-38(350)		15.32	16.35	8.14			0.12	39.93	62.60 102.53
Boll Buggy	4R-38(350)		8.32	3.26	5.80			0.05	17.43	11.71 29.14
Module Builder	4R-38(350)		8.32	3.45	8.14			0.06	19.97	12.09 32.06
Gin & Haul	lb	82.50						0.26	82.76	82.76
Stalk Shredder	14'		3.80	1.93	2.65			0.03	8.41	4.37 12.78
TOTALS			479.36	55.82	33.84	41.47	0.00	9.18	619.67	122.54 742.21

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Table 3.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
LLB2 variety, Non-Delta Area, Mississippi, 2014

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	709.13
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.13	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.50
FERTILIZERS	2.40	0.00	0.00	0.00	33.25	35.10	0.00	35.10	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.26	0.00	49.53	18.27	19.67	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	1.47	9.40	19.00	5.01	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	52.65	0.00	0.00	0.00	0.00	0.00
TECHNOLOGY FEE	0.00	0.00	0.00	0.00	0.00	0.00	34.20	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.96	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
INSECT SCOUTING	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	1.82	0.00	0.00	0.00	1.31	2.10	4.84	2.58	2.89	0.48	0.72	24.73
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	2.61	0.00	0.00	0.00	1.72	2.51	5.56	3.03	3.33	0.52	0.78	35.76
REPAIR & MAINTENANCE	1.99	0.00	0.00	0.00	0.50	1.21	2.29	1.37	1.09	0.16	0.24	24.99
INTEREST ON OP. CAP.	1.23	0.00	0.00	0.00	1.34	0.90	3.35	1.12	0.58	0.06	0.08	0.52
TOTAL DIRECT EXPENSES	34.05	0.00	0.00	0.00	54.88	41.82	181.89	71.83	47.52	6.23	12.95	168.50
NET INCOME	-34.05	0.00	0.00	0.00	-54.88	-41.82	-181.89	-71.83	-47.52	-6.23	-12.95	540.63
NET INCOME TO DATE	-34.05	-34.05	-34.05	-34.05	-88.93	-130.75	-312.64	-384.47	-431.99	-438.22	-451.17	89.46

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
 Cotton, 8R-38" solid, conservation tillage
 LLB2 variety, Non-Delta Area, Mississippi, 2014

PRODUCT			PERCENT										
			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.58	0.62	0.66	0.70	0.74	0.78	0.82	0.86	0.90	0.94	0.98
PERCENT	YIELD	UNIT	dollars										
50	375.00	lb	-237 -359	-222 -344	-207 -330	-192 -315	-178 -300	-163 -286	-148 -271	-134 -256	-119 -241	-104 -227	-89 -212
60	450.00	lb	-201 -323	-183 -306	-165 -288	-148 -270	-130 -253	-112 -235	-95 -217	-77 -200	-59 -182	-42 -164	-24 -147
70	525.00	lb	-165 -287	-144 -267	-124 -246	-103 -226	-82 -205	-62 -184	-41 -164	-21 -143	-0 -123	20 -102	40 -81
80	600.00	lb	-129 -252	-105 -228	-82 -204	-58 -181	-35 -157	-11 -134	11 -110	35 -87	58 -63	82 -40	106 -16
90	675.00	lb	-93 -216	-67 -189	-40 -163	-14 -136	12 -110	38 -83	65 -57	91 -30	118 -4	144 22	171 48
100	750.00	lb	-57 -180	-28 -150	1 -121	30 -91	60 -62	89 -33	118 -3	148 25	177 55	207 84	236 114
110	825.00	lb	-21 -144	10 -112	42 -79	75 -47	107 -14	140 17	172 49	204 82	237 114	269 147	301 179
120	900.00	lb	14 -108	49 -73	84 -37	120 -2	155 32	190 68	225 103	261 138	296 174	331 209	367 244
130	975.00	lb	49 -72	88 -34	126 3	164 42	202 80	241 118	279 156	317 195	356 233	394 271	432 310
140	1050.00	lb	85 -36	127 4	168 45	209 86	250 128	291 169	333 210	374 251	415 292	456 334	497 375
150	1125.00	lb	121 -0	165 43	209 87	254 131	298 175	342 219	386 264	430 308	474 352	519 396	563 440

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 2013 input prices.

Table 4.A Estimated costs per acre
Soybeans, early-planted, RR, reduced tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	2.0000	12.00	_____
HARVEST AIDS					
Paraquat	oz	0.22	16.0000	3.52	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	24.00	0.6600	15.84	_____
Potash (60% K2O)	cwt	23.75	1.0000	23.75	_____
FUNGICIDES					
CruiserMaxx	oz	4.07	1.6000	6.51	_____
Headline EC	oz	2.81	3.0000	8.43	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	2.00	6.0000	12.00	_____
2,4-D Amine 4	pt	2.94	2.0000	5.88	_____
Valor SX	oz	5.49	2.0000	10.98	_____
Dual Magnum	pt	12.62	1.0000	12.62	_____
Tricor DF	lb	14.75	0.3000	4.43	_____
INSECTICIDES					
Acephate 90SP	lb	6.85	0.7500	5.14	_____
SEED/PLANTS					
Soybean Seed RR2	lb	1.11	50.0000	55.50	_____
ADJUVANTS					
Surfactant	pt	3.68	0.2000	0.74	_____
HAULING					
Haul Soybeans	bu	0.27	43.0000	11.61	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.2500	12.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	0.3690	4.62	_____
Harvesters	hour	12.50	0.1021	1.28	_____
HAND LABOR					
Implements	hour	9.06	0.1543	1.40	_____
UNALLOCATED LABOR	hour	12.52	0.4240	5.31	_____
DIESEL FUEL					
Tractors	gal	3.30	3.6087	11.92	_____
Harvesters	gal	3.30	1.3935	4.60	_____
REPAIR & MAINTENANCE					
Implements	acre	4.38	1.0000	4.38	_____
Tractors	acre	1.84	1.0000	1.84	_____
Harvesters	acre	2.92	1.0000	2.92	_____
INTEREST ON OP. CAP.	acre	5.00	1.0000	5.00	_____

TOTAL DIRECT EXPENSES				244.22	_____
FIXED EXPENSES					
Implements	acre	8.46	1.0000	8.46	_____
Tractors	acre	11.25	1.0000	11.25	_____
Harvesters	acre	11.16	1.0000	11.16	_____

TOTAL FIXED EXPENSES				30.87	_____

TOTAL SPECIFIED EXPENSES				275.09	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 4.B Summary of estimated costs and returns per acre
Soybeans, early-planted, RR, reduced tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	11.41	43.0000	490.63	_____

TOTAL INCOME				490.63	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	12.00	1.0000	12.00	_____
HARVEST AIDS	acre	3.52	1.0000	3.52	_____
FERTILIZERS	acre	39.59	1.0000	39.59	_____
FUNGICIDES	acre	14.94	1.0000	14.94	_____
HERBICIDES	acre	45.91	1.0000	45.91	_____
INSECTICIDES	acre	5.14	1.0000	5.14	_____
SEED/PLANTS	acre	55.50	1.0000	55.50	_____
ADJUVANTS	acre	0.74	1.0000	0.74	_____
HAULING	acre	11.61	1.0000	11.61	_____
CUSTOM LIME	acre	12.00	1.0000	12.00	_____
HAND LABOR	hour	9.06	0.1543	1.40	_____
OPERATOR LABOR	hour	12.50	0.4711	5.90	_____
UNALLOCATED LABOR	hour	12.52	0.4240	5.31	_____
DIESEL FUEL	gal	3.30	5.0023	16.52	_____
REPAIR & MAINTENANCE	acre	9.14	1.0000	9.14	_____
INTEREST ON OP. CAP.	acre	5.00	1.0000	5.00	_____

TOTAL DIRECT EXPENSES				244.22	_____
RETURNS ABOVE DIRECT EXPENSES				246.41	_____
TOTAL FIXED EXPENSES				30.87	_____

TOTAL SPECIFIED EXPENSES				275.09	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				215.54	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 4.C Estimated resource use for field operations, per acre
Soybeans, early-planted, RR, reduced tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Oct	0.2500				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Oct		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
Disk Harrow	24'	MFWD 190	0.081	1.00	Oct		0.08	0.08	0.08	0.07
Field Cultivate Fld	24'	MFWD 190	0.062	1.00	Oct		0.06	0.06	0.06	0.05
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Glyphosate 3lbs a.e	pt					2.0000				
2,4-D Amine 4	pt					2.0000				
Valor SX	oz					2.0000				
Plant - Folding	12R-30	MFWD 190	0.062	1.00	Apr		0.06	0.06	0.12	0.05
Soybean Seed RR2	lb					50.0000				
CruiserMaxx	oz					1.6000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e	pt					2.0000				
Dual Magnum	pt					1.0000				
Tricor DF	lb					0.3000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Jul		0.01	0.01	0.02	0.01
Headline EC	oz					3.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Aug		0.02	0.02	0.04	0.02
Acephate 90SP	lb					0.7500				
App by Air (5 gal)	appl			1.00	Aug	1.0000				
Paraquat	oz					16.0000				
Surfactant	pt					0.2000				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Soybeans	bu					43.0000				
Grain Cart Soybean	700 bu	MFWD 190	0.021	1.00	Sep		0.02	0.02	0.02	0.01
TOTALS							0.47	0.47	0.62	0.42

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 4.D Estimated costs for field operations, per acre
Soybeans, early-planted, RR, reduced tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	12.00						0.45	12.45		12.45
Spin Spreader	5 ton		1.36	0.48	1.38			0.12	3.34	1.80	5.14
Phosphorus(46% P2O5)	cwt	15.84						0.59	16.43		16.43
Potash (60% K2O)	cwt	23.75						0.89	24.64		24.64
Disk Harrow	24'		2.64	1.23	1.94			0.22	6.03	4.15	10.18
Field Cultivate Fld	24'		2.01	0.71	1.48			0.16	4.36	3.55	7.91
App by Air (5 gal)	appl	6.00						0.13	6.13		6.13
Glyphosate 3lbs a.e	pt	4.00						0.09	4.09		4.09
2,4-D Amine 4	pt	5.88						0.13	6.01		6.01
Valor SX	oz	10.98						0.24	11.22		11.22
Plant - Folding	12R-30		2.03	1.71	2.07			0.11	5.92	4.50	10.42
Soybean Seed RR2	lb	55.50						1.04	56.54		56.54
CruiserMaxx	oz	6.51						0.12	6.63		6.63
Spray (Broadcast)	60'		0.91	0.28	0.80			0.03	2.02	1.02	3.04
Glyphosate 3lbs a.e	pt	4.00						0.06	4.06		4.06
Dual Magnum	pt	12.62						0.20	12.82		12.82
Tricor DF	lb	4.43						0.07	4.50		4.50
Spray (Broadcast)	60'		0.91	0.28	0.80			0.03	2.02	1.02	3.04
Glyphosate 3lbs a.e	pt	4.00						0.06	4.06		4.06
Spray (Broadcast)	60'		0.46	0.14	0.40			0.01	1.01	0.51	1.52
Headline EC	oz	8.43						0.08	8.51		8.51
Spray (Broadcast)	60'		0.91	0.28	0.80			0.01	2.00	1.02	3.02
Acephate 90SP	lb	5.14						0.03	5.17		5.17
App by Air (5 gal)	appl	6.00						0.04	6.04		6.04
Paraquat	oz	3.52						0.02	3.54		3.54
Surfactant	pt	0.74							0.74		0.74
Header -Soybean	25' Flex		4.60	3.72	2.43			0.03	10.78	12.32	23.10
Haul Soybeans	bu	11.61						0.04	11.65		11.65
Grain Cart Soybean	700 bu		0.69	0.31	0.51				1.51	0.98	2.49
TOTALS		200.95	16.52	9.14	12.61	0.00	5.00		244.22	30.87	275.09

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 4.E Estimated monthly income and expense flows per acre
Soybeans, early-planted, RR, reduced tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	490.63
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.00
FERTILIZERS	39.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	6.51	0.00	0.00	8.43	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	20.86	0.00	25.05	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.14	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	55.50	0.00	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	0.00	0.00	0.74	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	11.61
CUSTOM LIME	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.80	0.00	0.00	0.00	0.00	0.00	2.07	1.60	0.00	0.40	0.80	2.94
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	6.01	0.00	0.00	0.00	0.00	0.00	2.03	1.82	0.00	0.46	0.91	5.29
REPAIR & MAINTENANCE	2.42	0.00	0.00	0.00	0.00	0.00	1.71	0.56	0.00	0.14	0.28	4.03
INTEREST ON OP. CAP.	2.43	0.00	0.00	0.00	0.00	0.59	1.27	0.45	0.00	0.09	0.10	0.07
TOTAL DIRECT EXPENSES	67.25	0.00	0.00	0.00	0.00	27.45	69.09	29.48	0.00	9.52	17.49	23.94
NET INCOME	-67.25	0.00	0.00	0.00	0.00	-27.45	-69.09	-29.48	0.00	-9.52	-17.49	466.69
NET INCOME TO DATE	-67.25	-67.25	-67.25	-67.25	-67.25	-94.70	-163.79	-193.27	-193.27	-202.79	-220.28	246.41

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

* Lease costs are based on hourly usage costs.

Table 4.F Estimated returns for various price/yield combinations, per acre
 Soybeans, early-planted, RR, reduced tillage, 12R 30"
 Non-Delta Area, Mississippi, 2014

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
PRODUCT PRICE													
Soybeans	8.55	9.12	9.69	10.26	10.83	11.41	11.98	12.55	13.12	13.69	14.26		
PERCENT	YIELD	UNIT	dollars										
50	21.50	bu	-54	-42	-29	-17	-5	6	19	31	43	55	68
			-85	-73	-60	-48	-36	-23	-11	0	12	25	37
60	25.80	bu	-18	-4	10	25	40	54	69	84	98	113	128
			-49	-34	-20	-5	9	23	38	53	68	82	97
70	30.10	bu	16	34	51	68	85	102	119	137	154	171	188
			-14	3	20	37	54	71	89	106	123	140	157
80	34.40	bu	52	72	91	111	130	150	170	189	209	229	248
			21	41	60	80	100	119	139	158	178	198	217
90	38.70	bu	88	110	132	154	176	198	220	242	264	286	308
			57	79	101	123	145	167	189	211	233	255	278
100	43.00	bu	123	148	172	197	221	246	270	295	320	344	369
			92	117	141	166	191	215	240	264	289	313	338
110	47.30	bu	159	186	213	240	267	294	321	348	375	402	429
			128	155	182	209	236	263	290	317	344	371	398
120	51.60	bu	195	224	253	283	312	342	371	401	430	459	489
			164	193	223	252	281	311	340	370	399	429	458
130	55.90	bu	230	262	294	326	358	390	421	453	485	517	549
			199	231	263	295	327	359	391	423	454	486	518
140	60.20	bu	266	300	334	369	403	438	472	506	541	575	609
			235	269	304	338	372	407	441	475	510	544	578
150	64.50	bu	301	338	375	412	449	485	522	559	596	633	669
			271	307	344	381	418	455	491	528	565	602	639

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 2013 input prices.

Table 5.A Estimated costs per acre
Soybeans, May-planted, RR, convent. tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
HARVEST AIDS					
Paraquat	oz	0.22	16.0000	3.52	_____
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	24.00	0.6600	15.84	_____
Potash (60% K2O)	cwt	23.75	1.0000	23.75	_____
FUNGICIDES					
CruiserMaxx	oz	4.07	1.6000	6.51	_____
Quadris	oz	2.53	3.0000	7.59	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	2.00	4.0000	8.00	_____
Tricor DF	lb	14.75	0.3000	4.43	_____
Dual Magnum	pt	12.62	1.0000	12.62	_____
INSECTICIDES					
Dimilin 2L	oz	2.02	1.0000	2.02	_____
Acephate 90SP	lb	6.85	0.7500	5.14	_____
Intrepid 2F	oz	1.84	2.0000	3.68	_____
Baythroid XL	oz	2.15	1.0650	2.29	_____
SEED/PLANTS					
Soybean Seed RR2	lb	1.11	50.0000	55.50	_____
ADJUVANTS					
Surfactant	pt	3.68	0.2500	0.92	_____
HAULING					
Haul Soybeans	bu	0.27	30.0000	8.10	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.2500	12.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	0.3879	4.86	_____
Harvesters	hour	12.50	0.1021	1.28	_____
HAND LABOR					
Implements	hour	9.06	0.1662	1.50	_____
UNALLOCATED LABOR	hour	12.51	0.4410	5.52	_____
DIESEL FUEL					
Tractors	gal	3.30	3.7939	12.53	_____
Harvesters	gal	3.30	1.3935	4.60	_____
REPAIR & MAINTENANCE					
Implements	acre	4.69	1.0000	4.69	_____
Tractors	acre	1.94	1.0000	1.94	_____
Harvesters	acre	2.92	1.0000	2.92	_____
INTEREST ON OP. CAP.	acre	3.79	1.0000	3.79	_____

TOTAL DIRECT EXPENSES				221.54	_____
FIXED EXPENSES					
Implements	acre	8.99	1.0000	8.99	_____
Tractors	acre	11.82	1.0000	11.82	_____
Harvesters	acre	11.16	1.0000	11.16	_____

TOTAL FIXED EXPENSES				31.97	_____

TOTAL SPECIFIED EXPENSES				253.51	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 5.B Summary of estimated costs and returns per acre
Soybeans, May-planted, RR, convent. tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	11.41	30.0000	342.30	_____

TOTAL INCOME				342.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	6.00	1.0000	6.00	_____
HARVEST AIDS	acre	3.52	1.0000	3.52	_____
FERTILIZERS	acre	39.59	1.0000	39.59	_____
FUNGICIDES	acre	14.10	1.0000	14.10	_____
HERBICIDES	acre	25.05	1.0000	25.05	_____
INSECTICIDES	acre	13.13	1.0000	13.13	_____
SEED/PLANTS	acre	55.50	1.0000	55.50	_____
ADJUVANTS	acre	0.92	1.0000	0.92	_____
HAULING	acre	8.10	1.0000	8.10	_____
CUSTOM LIME	acre	12.00	1.0000	12.00	_____
HAND LABOR	hour	9.06	0.1662	1.50	_____
OPERATOR LABOR	hour	12.50	0.4901	6.14	_____
UNALLOCATED LABOR	hour	12.51	0.4410	5.52	_____
DIESEL FUEL	gal	3.30	5.1875	17.13	_____
REPAIR & MAINTENANCE	acre	9.55	1.0000	9.55	_____
INTEREST ON OP. CAP.	acre	3.79	1.0000	3.79	_____

TOTAL DIRECT EXPENSES				221.54	_____
RETURNS ABOVE DIRECT EXPENSES				120.76	_____
TOTAL FIXED EXPENSES				31.97	_____

TOTAL SPECIFIED EXPENSES				253.51	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				88.79	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 5.C Estimated resource use for field operations, per acre
Soybeans, May-planted, RR, convent. tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Nov	0.2500				
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Apr		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
Disk Harrow	24'	MFWD 190	0.081	1.00	Apr		0.08	0.08	0.08	0.07
Field Cultivate Fld	24'	MFWD 190	0.062	1.00	May		0.06	0.06	0.06	0.05
Plant & Pre-Folding	12R-30	MFWD 190	0.067	1.00	May		0.06	0.06	0.13	0.06
Soybean Seed RR2	lb					50.0000				
CruiserMaxx	oz					1.6000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	May		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e	pt					2.0000				
Tricor DF	lb					0.3000				
Dual Magnum	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jun		0.02	0.02	0.04	0.02
Glyphosate 3lbs a.e	pt					2.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Jul		0.01	0.01	0.02	0.01
Dimilin 2L	oz					1.0000				
Quadris	oz					3.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Aug		0.02	0.02	0.04	0.02
Acephate 90SP	lb					0.7500				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Aug		0.01	0.01	0.02	0.01
Intrepid 2F	oz					2.0000				
Baythroid XL	oz					1.0650				
Surfactant	pt					0.0500				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Paraquat	oz					16.0000				
Surfactant	pt					0.2000				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Oct		0.10	0.10	0.10	0.09
Haul Soybeans	bu					30.0000				
Grain Cart Soybean	700 bu	MFWD 190	0.021	1.00	Oct		0.02	0.02	0.02	0.01
TOTALS							0.49	0.49	0.65	0.44

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 5.D Estimated costs for field operations, per acre
Soybeans, May-planted, RR, convent. tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	12.00						0.45	12.45		12.45
Spin Spreader	5 ton		1.36	0.48	1.38			0.07	3.29	1.80	5.09
Phosphorus(46% P2O5)	cwt	15.84						0.35	16.19		16.19
Potash (60% K2O)	cwt	23.75						0.52	24.27		24.27
Disk Harrow	24'		2.64	1.23	1.94			0.13	5.94	4.15	10.09
Field Cultivate Fld	24'		2.01	0.71	1.48			0.08	4.28	3.55	7.83
Plant & Pre-Folding	12R-30		2.18	1.98	2.22			0.12	6.50	5.09	11.59
Soybean Seed RR2	lb	55.50						1.04	56.54		56.54
CruiserMaxx	oz	6.51						0.12	6.63		6.63
Spray (Broadcast)	60'		0.91	0.28	0.80			0.04	2.03	1.02	3.05
Glyphosate 3lbs a.e	pt	4.00						0.08	4.08		4.08
Tricor DF	lb	4.43						0.08	4.51		4.51
Dual Magnum	pt	12.62						0.24	12.86		12.86
Spray (Broadcast)	60'		0.91	0.28	0.80			0.03	2.02	1.02	3.04
Glyphosate 3lbs a.e	pt	4.00						0.06	4.06		4.06
Spray (Broadcast)	60'		0.46	0.14	0.40			0.01	1.01	0.51	1.52
Dimilin 2L	oz	2.02						0.03	2.05		2.05
Quadris	oz	7.59						0.09	7.68		7.68
Spray (Broadcast)	60'		0.91	0.28	0.80			0.02	2.01	1.02	3.03
Acephate 90SP	lb	5.14						0.05	5.19		5.19
Spray (Broadcast)	60'		0.46	0.14	0.40			0.01	1.01	0.51	1.52
Intrepid 2F	oz	3.68						0.03	3.71		3.71
Baythroid XL	oz	2.29						0.02	2.31		2.31
Surfactant	pt	0.18							0.18		0.18
App by Air (5 gal)	appl	6.00						0.04	6.04		6.04
Paraquat	oz	3.52						0.02	3.54		3.54
Surfactant	pt	0.74							0.74		0.74
Header -Soybean	25' Flex		4.60	3.72	2.43			0.03	10.78	12.32	23.10
Haul Soybeans	bu	8.10						0.03	8.13		8.13
Grain Cart Soybean	700 bu		0.69	0.31	0.51				1.51	0.98	2.49
TOTALS		177.91	17.13	9.55	13.16	0.00	3.79	221.54	31.97	253.51	

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 5.E Estimated monthly income and expense flows per acre
Soybeans, May-planted, RR, convent. tillage, 12R 30"
Non-Delta Area, Mississippi, 2014

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	342.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	39.59	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	6.51	0.00	7.59	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	21.05	4.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	11.11	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	55.50	0.00	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	0.00	0.18	0.74	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	8.10
CUSTOM LIME	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	3.32	4.50	0.80	0.40	1.20	0.00	2.94
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	4.00	5.10	0.91	0.46	1.37	0.00	5.29
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	1.71	2.97	0.28	0.14	0.42	0.00	4.03
INTEREST ON OP. CAP.	0.45	0.00	0.00	0.00	0.00	1.07	1.80	0.09	0.13	0.13	0.06	0.06
TOTAL DIRECT EXPENSES	12.45	0.00	0.00	0.00	0.00	49.69	97.43	6.08	10.74	14.41	10.32	20.42
NET INCOME	-12.45	0.00	0.00	0.00	0.00	-49.69	-97.43	-6.08	-10.74	-14.41	-10.32	321.88
NET INCOME TO DATE	-12.45	-12.45	-12.45	-12.45	-12.45	-62.14	-159.57	-165.65	-176.39	-190.80	-201.12	120.76

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

* Lease costs are based on hourly usage costs.

Table 5.F Estimated returns for various price/yield combinations, per acre
 Soybeans, May-planted, RR, convent. tillage, 12R 30"
 Non-Delta Area, Mississippi, 2014

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----PRODUCT PRICE-----													
Soybeans	8.55	9.12	9.69	10.26	10.83	11.41	11.98	12.55	13.12	13.69	14.26		
PERCENT	YIELD	UNIT	-----dollars-----										
50	15.00	bu	-89 -121	-80 -112	-71 -103	-63 -95	-54 -86	-46 -78	-37 -69	-29 -61	-20 -52	-12 -44	-3 -35
60	18.00	bu	-64 -96	-53 -85	-43 -75	-33 -65	-23 -55	-12 -44	-2 -34	7 -24	17 -14	28 -3	38 6
70	21.00	bu	-39 -71	-27 -59	-15 -47	-3 -35	8 -23	20 -11	32 0	44 12	56 24	68 36	80 48
80	24.00	bu	-14 -46	-0 -32	12 -19	26 -5	40 8	53 21	67 35	81 49	95 63	108 76	122 90
90	27.00	bu	10 -21	25 -6	41 9	56 24	71 39	87 55	102 70	118 86	133 101	148 116	164 132
100	30.00	bu	35 3	52 20	69 37	86 54	103 71	120 88	137 105	154 123	172 140	189 157	206 174
110	33.00	bu	60 28	78 46	97 65	116 84	135 103	154 122	173 141	191 159	210 178	229 197	248 216
120	36.00	bu	84 52	105 73	125 94	146 114	167 135	187 155	208 176	228 196	249 217	269 237	290 258
130	39.00	bu	109 77	132 100	154 122	176 144	198 166	221 189	243 211	265 233	287 255	310 278	332 300
140	42.00	bu	134 102	158 126	182 150	206 174	230 198	254 222	278 246	302 270	326 294	350 318	374 342
150	45.00	bu	159 127	185 153	210 178	236 204	262 230	287 255	313 281	339 307	364 332	390 358	416 384

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 2013 input prices.

Table 6.A Estimated costs per acre
Soybeans after wheat, RR, no-till, 12R 30"
Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	24.00	0.6600	15.84	_____
Potash (60% K2O)	cwt	23.75	1.0000	23.75	_____
FUNGICIDES					
CruiserMaxx	oz	4.07	1.6000	6.51	_____
Quadris	oz	2.53	3.0000	7.59	_____
HERBICIDES					
Paraquat	oz	0.22	48.0000	10.56	_____
Tricor DF	lb	14.75	0.3000	4.43	_____
Dual Magnum	pt	12.62	1.0000	12.62	_____
Glyphosate 3lbs a.e	pt	2.00	1.0000	2.00	_____
INSECTICIDES					
Dimilin 2L	oz	2.02	1.0000	2.02	_____
Acephate 90SP	lb	6.85	0.7500	5.14	_____
Intrepid 2F	oz	1.84	3.0000	5.52	_____
Baythroid XL	oz	2.15	1.5975	3.43	_____
SEED/PLANTS					
Soybean Seed RR2	lb	1.11	50.0000	55.50	_____
HAULING					
Haul Soybeans	bu	0.27	25.0000	6.75	_____
OPERATOR LABOR					
Tractors	hour	12.50	0.2396	3.00	_____
Harvesters	hour	12.50	0.1021	1.28	_____
HAND LABOR					
Implements	hour	9.06	0.1654	1.50	_____
UNALLOCATED LABOR	hour	12.48	0.2939	3.67	_____
DIESEL FUEL					
Tractors	gal	3.30	2.3436	7.75	_____
Harvesters	gal	3.30	1.3935	4.60	_____
REPAIR & MAINTENANCE					
Implements	acre	3.57	1.0000	3.57	_____
Tractors	acre	1.20	1.0000	1.20	_____
Harvesters	acre	2.92	1.0000	2.92	_____
INTEREST ON OP. CAP.	acre	3.49	1.0000	3.49	_____
TOTAL DIRECT EXPENSES				194.64	_____
FIXED EXPENSES					
Implements	acre	5.90	1.0000	5.90	_____
Tractors	acre	7.30	1.0000	7.30	_____
Harvesters	acre	11.16	1.0000	11.16	_____
TOTAL FIXED EXPENSES				24.36	_____
TOTAL SPECIFIED EXPENSES				219.00	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 6.B Summary of estimated costs and returns per acre
 Soybeans after wheat, RR, no-till, 12R 30"
 Non-Delta Area, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybeans	bu	11.41	25.0000	285.25	_____

TOTAL INCOME				285.25	_____
DIRECT EXPENSES					
FERTILIZERS	acre	39.59	1.0000	39.59	_____
FUNGICIDES	acre	14.10	1.0000	14.10	_____
HERBICIDES	acre	29.61	1.0000	29.61	_____
INSECTICIDES	acre	16.11	1.0000	16.11	_____
SEED/PLANTS	acre	55.50	1.0000	55.50	_____
HAULING	acre	6.75	1.0000	6.75	_____
HAND LABOR	hour	9.06	0.1654	1.50	_____
OPERATOR LABOR	hour	12.50	0.3418	4.28	_____
UNALLOCATED LABOR	hour	12.48	0.2939	3.67	_____
DIESEL FUEL	gal	3.30	3.7372	12.35	_____
REPAIR & MAINTENANCE	acre	7.69	1.0000	7.69	_____
INTEREST ON OP. CAP.	acre	3.49	1.0000	3.49	_____

TOTAL DIRECT EXPENSES				194.64	_____
RETURNS ABOVE DIRECT EXPENSES				90.61	_____
TOTAL FIXED EXPENSES				24.36	_____

TOTAL SPECIFIED EXPENSES				219.00	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				66.25	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 6.C Estimated resource use for field operations, per acre
Soybeans after wheat, RR, no-till, 12R 30"
Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Nov		0.04	0.04	0.08	0.03
Phosphorus(46% P2O5)	cwt					0.6600				
Potash (60% K2O)	cwt					1.0000				
NT Plant&Pre-Folding	12R-30	MFWD 190	0.070	1.00	Jun		0.07	0.07	0.14	0.06
Soybean Seed RR2	lb					50.0000				
CruiserMaxx	oz					1.6000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Jun		0.02	0.02	0.04	0.02
Paraquat	oz					48.0000				
Tricor DF	lb					0.3000				
Dual Magnum	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Jul		0.01	0.01	0.02	0.01
Glyphosate 3lbs a.e	pt					1.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	0.50	Aug		0.01	0.01	0.02	0.01
Dimilin 2L	oz					1.0000				
Quadris	oz					3.0000				
Spray (Broadcast)	60'	MFWD 190	0.028	1.00	Aug		0.02	0.02	0.04	0.02
Acephate 90SP	lb					0.7500				
Spray (Broadcast)	60'	MFWD 190	0.028	0.75	Aug		0.02	0.02	0.03	0.01
Intrepid 2F	oz					3.0000				
Baythroid XL	oz					1.5975				
Header -Soybean	25' Flex	265 hp	0.102	1.00	Oct		0.10	0.10	0.10	0.08
Haul Soybeans	bu					25.0000				
Grain Cart Soybean	700 bu	MFWD 190	0.021	1.00	Oct		0.02	0.02	0.02	0.01
TOTALS							0.34	0.34	0.50	0.29

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.
The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 6.D Estimated costs for field operations, per acre
Soybeans after wheat, RR, no-till, 12R 30"
Non-Delta Area, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Spin Spreader	5 ton		1.36	0.48	1.36			0.12	3.32	1.80	5.12
Phosphorus(46% P2O5)	cwt	15.84						0.59	16.43		16.43
Potash (60% K2O)	cwt	23.75						0.89	24.64		24.64
NT Plant&Pre-Folding	12R-30		2.28	2.13	2.28			0.10	6.79	5.44	12.23
Soybean Seed RR2	lb	55.50						0.87	56.37		56.37
CruiserMaxx	oz	6.51						0.10	6.61		6.61
Spray (Broadcast)	60'		0.91	0.28	0.78			0.03	2.00	1.02	3.02
Paraquat	oz	10.56						0.17	10.73		10.73
Tricor DF	lb	4.43						0.07	4.50		4.50
Dual Magnum	pt	12.62						0.20	12.82		12.82
Spray (Broadcast)	60'		0.46	0.14	0.39			0.01	1.00	0.51	1.51
Glyphosate 3lbs a.e	pt	2.00						0.03	2.03		2.03
Spray (Broadcast)	60'		0.46	0.14	0.39			0.01	1.00	0.51	1.51
Dimilin 2L	oz	2.02						0.02	2.04		2.04
Quadris	oz	7.59						0.07	7.66		7.66
Spray (Broadcast)	60'		0.91	0.28	0.78			0.02	1.99	1.02	3.01
Acephate 90SP	lb	5.14						0.05	5.19		5.19
Spray (Broadcast)	60'		0.68	0.21	0.59			0.01	1.49	0.76	2.25
Intrepid 2F	oz	5.52						0.05	5.57		5.57
Baythroid XL	oz	3.43						0.03	3.46		3.46
Header -Soybean	25' Flex		4.60	3.72	2.38			0.03	10.73	12.32	23.05
Haul Soybeans	bu	6.75						0.02	6.77		6.77
Grain Cart Soybean	700 bu		0.69	0.31	0.50				1.50	0.98	2.48
TOTALS		161.66	12.35	7.69	9.45	0.00	3.49	194.64	24.36	219.00	

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

Table 6.E Estimated monthly income and expense flows per acre
Soybeans after wheat, RR, no-till, 12R 30"
Non-Delta Area, Mississippi, 2014

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	285.25
DIRECT EXPENSES												
FERTILIZERS	39.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.51	0.00	7.59	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.61	2.00	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	16.11	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.50	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.75
LABOR	1.36	0.00	0.00	0.00	0.00	0.00	0.00	3.06	0.39	1.76	0.00	2.88
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	1.36	0.00	0.00	0.00	0.00	0.00	0.00	3.19	0.46	2.05	0.00	5.29
REPAIR & MAINTENANCE	0.48	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.14	0.63	0.00	4.03
INTEREST ON OP. CAP.	1.60	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.04	0.26	0.00	0.05
TOTAL DIRECT EXPENSES	44.39	0.00	0.00	0.00	0.00	0.00	0.00	99.82	3.03	28.40	0.00	19.00
NET INCOME	-44.39	0.00	0.00	0.00	0.00	0.00	0.00	-99.82	-3.03	-28.40	0.00	266.25
NET INCOME TO DATE	-44.39	-44.39	-44.39	-44.39	-44.39	-44.39	-44.39	-144.21	-147.24	-175.64	-175.64	90.61

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

The budget does not include a second fungicide application to control Asian soybean rust, but the cost of treatment could range from \$10 to \$14 plus application cost per acre.

* Lease costs are based on hourly usage costs.

Table 6.F Estimated returns for various price/yield combinations, per acre
Soybeans after wheat, RR, no-till, 12R 30"
Non-Delta Area, Mississippi, 2014

PRODUCT	PERCENT												
	75	80	85	90	95	100	105	110	115	120	125		
PRODUCT PRICE													
Soybeans	8.55	9.12	9.69	10.26	10.83	11.41	11.98	12.55	13.12	13.69	14.26		
PERCENT	YIELD	UNIT	dollars										
50	12.50	bu	-84 -108	-77 -101	-70 -94	-62 -87	-55 -80	-48 -72	-41 -65	-34 -58	-27 -51	-20 -44	-12 -37
60	15.00	bu	-63 -87	-55 -79	-46 -70	-37 -62	-29 -53	-20 -45	-12 -36	-3 -28	4 -19	13 -10	22 -2
70	17.50	bu	-42 -67	-32 -57	-22 -47	-12 -37	-2 -27	7 -17	17 -7	27 2	37 12	47 22	56 32
80	20.00	bu	-22 -46	-10 -35	0 -23	12 -12	23 -0	34 10	46 21	57 33	69 44	80 56	91 67
90	22.50	bu	-1 -25	11 -12	24 -0	37 12	49 25	62 38	75 51	88 64	101 76	114 89	126 102
100	25.00	bu	19 -5	33 9	47 23	62 37	76 51	90 66	104 80	119 94	133 109	147 123	161 137
110	27.50	bu	40 15	55 31	71 47	87 62	102 78	118 94	134 109	149 125	165 141	181 156	196 172
120	30.00	bu	60 36	77 53	94 70	112 87	129 104	146 121	163 139	180 156	197 173	214 190	231 207
130	32.50	bu	81 57	99 75	118 94	137 112	155 131	174 149	192 168	211 186	229 205	248 223	266 242
140	35.00	bu	102 77	122 97	142 117	162 137	182 157	202 177	221 197	241 217	261 237	281 257	301 277
150	37.50	bu	122 98	144 119	165 141	187 162	208 184	229 205	251 226	272 248	294 269	315 291	336 312

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 2013 input prices.

Table 7.A Estimated costs per acre
 Corn, stale seedbed, RR seed, 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	25.75	1.0870	27.99	_____
Potash (60% K2O)	cwt	23.75	0.8300	19.71	_____
UAN + Sulfur (28%)	cwt	19.50	2.1430	41.79	_____
UAN (32% N)	cwt	19.50	3.2815	63.99	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	2.00	2.0000	4.00	_____
Clarity	pt	10.19	0.5000	5.10	_____
Atrazine 4L	pt	1.97	4.0000	7.88	_____
Halex GT	pt	5.87	3.6000	21.13	_____
INSECTICIDES					
Intrepid 2F	oz	1.84	4.0000	7.36	_____
SEED/PLANTS					
Corn Seed RR2	thous	3.05	28.0000	85.40	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.50	1.0000	7.50	_____
HAULING					
Haul Corn	bu	0.23	135.0000	31.05	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.5000	24.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	0.5400	6.76	_____
Harvesters	hour	12.50	0.1277	1.60	_____
Self-Propelled	hour	12.50	0.0176	0.22	_____
HAND LABOR					
Implements	hour	9.06	0.1854	1.67	_____
Self-Propelled	hour	9.06	0.0088	0.08	_____
UNALLOCATED LABOR	hour	12.48	0.6168	7.70	_____
DIESEL FUEL					
Tractors	gal	3.30	4.7257	15.60	_____
Harvesters	gal	3.30	1.7419	5.75	_____
Self-Propelled	gal	3.30	0.1586	0.52	_____
REPAIR & MAINTENANCE					
Implements	acre	8.28	1.0000	8.28	_____
Tractors	acre	2.49	1.0000	2.49	_____
Harvesters	acre	3.65	1.0000	3.65	_____
Self-Propelled	acre	0.16	1.0000	0.16	_____
INTEREST ON OP. CAP.	acre	8.59	1.0000	8.59	_____
TOTAL DIRECT EXPENSES				420.97	_____
FIXED EXPENSES					
Implements	acre	11.20	1.0000	11.20	_____
Tractors	acre	15.23	1.0000	15.23	_____
Harvesters	acre	13.95	1.0000	13.95	_____
Self-Propelled	acre	1.04	1.0000	1.04	_____
TOTAL FIXED EXPENSES				41.42	_____
TOTAL SPECIFIED EXPENSES				462.39	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Table 7.B Summary of estimated costs and returns per acre
 Corn, stale seedbed, RR seed, 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	4.53	135.0000	611.55	_____

TOTAL INCOME				611.55	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	153.48	1.0000	153.48	_____
HERBICIDES	acre	38.11	1.0000	38.11	_____
INSECTICIDES	acre	7.36	1.0000	7.36	_____
SEED/PLANTS	acre	85.40	1.0000	85.40	_____
CUSTOM FERTILIZE	acre	7.50	1.0000	7.50	_____
HAULING	acre	31.05	1.0000	31.05	_____
CUSTOM LIME	acre	24.00	1.0000	24.00	_____
HAND LABOR	hour	9.06	0.1943	1.75	_____
OPERATOR LABOR	hour	12.50	0.6854	8.58	_____
UNALLOCATED LABOR	hour	12.48	0.6168	7.70	_____
DIESEL FUEL	gal	3.30	6.6263	21.87	_____
REPAIR & MAINTENANCE	acre	14.58	1.0000	14.58	_____
INTEREST ON OP. CAP.	acre	8.59	1.0000	8.59	_____

TOTAL DIRECT EXPENSES				420.97	_____
RETURNS ABOVE DIRECT EXPENSES				190.58	_____
TOTAL FIXED EXPENSES				41.42	_____

TOTAL SPECIFIED EXPENSES				462.39	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				149.16	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Table 7.C Estimated resource use for field operations, per acre
 Corn, stale seedbed, RR seed, 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-----hours-----			
Lime (Spread)	ton			0.25	Oct	0.5000				
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Oct		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
Disk Heavy	20'	MFWD 170	0.097	1.00	Oct		0.09	0.09	0.09	0.08
Bed-Disk w/roller	8R-30	MFWD 170	0.093	1.00	Oct		0.09	0.09	0.09	0.08
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	pt					2.0000				
Clarity	pt					0.5000				
Plant - Rigid	8R-30	MFWD 170	0.094	1.00	Mar		0.09	0.09	0.18	0.08
Corn Seed RR2	thous					28.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
UAN + Sulfur (28%)	cwt					2.1430				
Sprayer 600-750gal	60' 175hp		0.017	1.00	Apr			0.01	0.02	0.01
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Fert Appl (Liquid)	8R-30	MFWD 170	0.098	1.00	May		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					3.2815				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-30	265 hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Grain Cart Corn	500 bu	MFWD 170	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn	bu					135.0000				
Stalk Shredder Flex	20'	MFWD 170	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.68	0.66	0.87	0.61

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 7.D Estimated costs for field operations, per acre
 Corn, stale seedbed, RR seed, 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	24.00						0.90	24.90		24.90
Spin Spreader	5 ton		1.22	0.46	1.38			0.11	3.17	1.71	4.88
DAP	cwt	27.99						1.05	29.04		29.04
Potash (60% K2O)	cwt	19.71						0.74	20.45		20.45
Disk Heavy	20'		2.81	1.38	2.31			0.24	6.74	4.63	11.37
Bed-Disk w/roller	8R-30		2.71	0.92	2.22			0.22	6.07	3.89	9.96
App by Air (5 gal)	appl	6.00						0.15	6.15		6.15
Glyphosate 3lbs a.e	pt	4.00						0.10	4.10		4.10
Clarity	pt	5.10						0.13	5.23		5.23
Plant - Rigid	8R-30		2.72	1.59	3.09			0.16	7.56	4.78	12.34
Corn Seed RR2	thous	85.40						1.87	87.27		87.27
Custom Apply Fert	acre	7.50						0.14	7.64		7.64
UAN + Sulfur (28%)	cwt	41.79						0.78	42.57		42.57
Sprayer 600-750gal	60' 175hp		0.52	0.16	0.50			0.02	1.20	1.04	2.24
Atrazine 4L	pt	7.88						0.15	8.03		8.03
Halex GT	pt	21.13						0.40	21.53		21.53
Fert Appl (Liquid)	8R-30		2.84	1.44	2.77			0.11	7.16	3.85	11.01
UAN (32% N)	cwt	63.99						1.00	64.99		64.99
App by Air (3 gal)	appl	5.00						0.06	5.06		5.06
Intrepid 2F	oz	7.36						0.09	7.45		7.45
Header - Corn	8R-30		5.75	5.40	3.04			0.04	14.23	16.49	30.72
Grain Cart Corn	500 bu		0.92	0.35	0.76			0.01	2.04	1.24	3.28
Haul Corn	bu	31.05						0.10	31.15		31.15
Stalk Shredder Flex	20'		2.38	2.88	1.96			0.02	7.24	3.79	11.03
TOTALS		357.90	21.87	14.58	18.03	0.00		8.59	420.97	41.42	462.39

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Table 7.E Estimated monthly income and expense flows per acre
 Corn, stale seedbed, RR seed, 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2014

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	611.55
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	47.70	0.00	0.00	0.00	0.00	0.00	41.79	63.99	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.10	0.00	29.01	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.36	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	85.40	0.00	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.05
CUSTOM LIME	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	5.91	0.00	0.00	0.00	0.00	3.09	0.50	2.77	0.00	0.00	0.00	5.76
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	6.74	0.00	0.00	0.00	0.00	2.72	0.52	2.84	0.00	0.00	0.00	9.05
REPAIR & MAINTENANCE	2.76	0.00	0.00	0.00	0.00	1.59	0.16	1.44	0.00	0.00	0.00	8.63
INTEREST ON OP. CAP.	3.26	0.00	0.00	0.00	0.38	2.03	1.49	1.11	0.15	0.00	0.00	0.17
TOTAL DIRECT EXPENSES	90.37	0.00	0.00	0.00	15.48	94.83	80.97	72.15	12.51	0.00	0.00	54.66
NET INCOME	-90.37	0.00	0.00	0.00	-15.48	-94.83	-80.97	-72.15	-12.51	0.00	0.00	556.89
NET INCOME TO DATE	-90.37	-90.37	-90.37	-90.37	-105.85	-200.68	-281.65	-353.80	-366.31	-366.31	-366.31	190.58

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 7.F Estimated returns for various price/yield combinations, per acre
 Corn, stale seedbed, RR seed, 8-row 30",
 135 bu yield goal, All Areas, Mississippi, 2014

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----PRODUCT PRICE-----													
Corn	3.39	3.62	3.85	4.07	4.30	4.53	4.75	4.98	5.20	5.43	5.66		
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-176 -217	-160 -202	-145 -186	-130 -171	-114 -156	-99 -141	-84 -125	-69 -110	-53 -95	-38 -79	-23 -64
60	81.00	bu	-133 -174	-114 -156	-96 -138	-78 -119	-59 -101	-41 -83	-23 -64	-4 -46	13 -27	31 -9	50 8
70	94.50	bu	-90 -131	-69 -110	-47 -89	-26 -67	-4 -46	16 -24	37 -3	59 17	80 39	102 60	123 82
80	108.00	bu	-47 -89	-23 -64	1 -40	25 -15	50 8	74 33	98 57	123 82	147 106	172 130	196 155
90	121.50	bu	-5 -46	22 -18	49 8	77 36	105 63	132 91	160 118	187 146	215 173	242 201	270 228
100	135.00	bu	37 -3	68 26	98 57	129 88	160 118	190 149	221 179	251 210	282 240	312 271	343 302
110	148.50	bu	80 39	114 72	147 106	181 139	214 173	248 207	282 240	315 274	349 308	383 341	416 375
120	162.00	bu	123 81	159 118	196 155	233 191	269 228	306 265	343 301	380 338	416 375	453 412	490 448
130	175.50	bu	165 124	205 164	245 204	285 243	324 283	364 323	404 363	444 402	483 442	523 482	563 522
140	189.00	bu	208 167	251 210	294 252	337 295	379 338	422 381	465 424	508 466	551 509	593 552	636 595
150	202.50	bu	251 210	297 255	343 301	389 347	434 393	480 439	526 485	572 531	618 576	664 622	710 668

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 2013 input prices.

Table 8.A Estimated costs per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
App by Air (3 gal)	appl	5.00	1.0000	5.00	_____
FERTILIZERS					
DAP	cwt	25.75	1.0870	27.99	_____
Potash (60% K2O)	cwt	23.75	0.8300	19.71	_____
Fert 10-34-0	cwt	28.25	0.5000	14.13	_____
UAN (32% N)	cwt	19.50	5.0000	97.50	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	2.00	2.0000	4.00	_____
Clarity	pt	10.19	0.5000	5.10	_____
Atrazine 4L	pt	1.97	4.0000	7.88	_____
Halex GT	pt	5.87	3.6000	21.13	_____
INSECTICIDES					
Intrepid 2F	oz	1.84	4.0000	7.36	_____
SEED/PLANTS					
Corn Seed BtRR	thous	3.21	28.0000	89.88	_____
HAULING					
Haul Corn	bu	0.23	135.0000	31.05	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.5000	24.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	0.4231	5.29	_____
Harvesters	hour	12.50	0.1277	1.60	_____
HAND LABOR					
Implements	hour	9.06	0.2283	2.06	_____
UNALLOCATED LABOR	hour	12.50	0.4957	6.20	_____
DIESEL FUEL					
Tractors	gal	3.30	3.2673	10.77	_____
Harvesters	gal	3.30	1.7419	5.75	_____
REPAIR & MAINTENANCE					
Implements	acre	7.45	1.0000	7.45	_____
Tractors	acre	1.72	1.0000	1.72	_____
Harvesters	acre	3.65	1.0000	3.65	_____
INTEREST ON OP. CAP.	acre	7.73	1.0000	7.73	_____
TOTAL DIRECT EXPENSES				412.95	_____
FIXED EXPENSES					
Implements	acre	9.04	1.0000	9.04	_____
Tractors	acre	9.99	1.0000	9.99	_____
Harvesters	acre	13.95	1.0000	13.95	_____
TOTAL FIXED EXPENSES				32.98	_____
TOTAL SPECIFIED EXPENSES				445.93	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.
Intrepid application is necessary only on refuge acres.

Table 8.B Summary of estimated costs and returns per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	4.53	135.0000	611.55	_____

TOTAL INCOME				611.55	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	11.00	1.0000	11.00	_____
FERTILIZERS	acre	159.33	1.0000	159.33	_____
HERBICIDES	acre	38.11	1.0000	38.11	_____
INSECTICIDES	acre	7.36	1.0000	7.36	_____
SEED/PLANTS	acre	89.88	1.0000	89.88	_____
HAULING	acre	31.05	1.0000	31.05	_____
CUSTOM LIME	acre	24.00	1.0000	24.00	_____
HAND LABOR	hour	9.06	0.2283	2.06	_____
OPERATOR LABOR	hour	12.50	0.5508	6.89	_____
UNALLOCATED LABOR	hour	12.50	0.4957	6.20	_____
DIESEL FUEL	gal	3.30	5.0092	16.52	_____
REPAIR & MAINTENANCE	acre	12.82	1.0000	12.82	_____
INTEREST ON OP. CAP.	acre	7.73	1.0000	7.73	_____

TOTAL DIRECT EXPENSES				412.95	_____
RETURNS ABOVE DIRECT EXPENSES				198.60	_____
TOTAL FIXED EXPENSES				32.98	_____

TOTAL SPECIFIED EXPENSES				445.93	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				165.62	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 8.C Estimated resource use for field operations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Lime (Spread)	ton			0.25	Oct	0.5000				
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	pt					2.0000				
Clarity	pt					0.5000				
Spin Spreader	5 ton	2WD 150	0.042	1.00	Mar		0.04	0.04	0.08	0.03
DAP	cwt					1.0870				
Potash (60% K2O)	cwt					0.8300				
NT Plant&Pre-Rigid	8R-30	2WD 150	0.105	1.00	Mar		0.10	0.10	0.21	0.09
Corn Seed BtRR	thous					28.0000				
Fert 10-34-0	cwt					0.5000				
Spray (Broadcast)	27'	2WD 150	0.062	1.00	Apr		0.06	0.06	0.09	0.05
Atrazine 4L	pt					4.0000				
Halex GT	pt					3.6000				
Fert Appl (Liquid)	8R-30	2WD 150	0.098	1.00	Apr		0.09	0.09	0.14	0.08
UAN (32% N)	cwt					5.0000				
App by Air (3 gal)	appl			1.00	Jun	1.0000				
Intrepid 2F	oz					4.0000				
Header - Corn	8R-30	265 hp	0.127	1.00	Sep		0.12	0.12	0.12	0.11
Grain Cart Corn	500 bu	2WD 150	0.031	1.00	Sep		0.03	0.03	0.03	0.02
Haul Corn	bu					135.0000				
Stalk Shredder Flex	20'	2WD 150	0.082	1.00	Sep		0.08	0.08	0.08	0.07
TOTALS							0.55	0.55	0.77	0.49

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 8.D Estimated costs for field operations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Lime (Spread)	ton	24.00						0.90	24.90	24.90
App by Air (5 gal)	appl	6.00						0.15	6.15	6.15
Glyphosate 3lbs a.e	pt	4.00						0.10	4.10	4.10
Clarity	pt	5.10						0.13	5.23	5.23
Spin Spreader	5 ton		1.07	0.44	1.38			0.06	2.95	4.46
DAP	cwt	27.99						0.61	28.60	28.60
Potash (60% K2O)	cwt	19.71						0.43	20.14	20.14
NT Plant&Pre-Rigid	8R-30		2.69	2.01	3.47			0.18	8.35	13.76
Corn Seed BtRR	thous	89.88						1.97	91.85	91.85
Fert 10-34-0	cwt	14.13						0.31	14.44	14.44
Spray (Broadcast)	27'		1.60	0.41	1.77			0.07	3.85	5.52
Atrazine 4L	pt	7.88						0.15	8.03	8.03
Halex GT	pt	21.13						0.40	21.53	21.53
Fert Appl (Liquid)	8R-30		2.50	1.39	2.77			0.12	6.78	10.18
UAN (32% N)	cwt	97.50						1.83	99.33	99.33
App by Air (3 gal)	appl	5.00						0.06	5.06	5.06
Intrepid 2F	oz	7.36						0.09	7.45	7.45
Header - Corn	8R-30		5.75	5.40	3.04			0.04	14.23	16.49
Grain Cart Corn	500 bu		0.81	0.33	0.76			0.01	1.91	3.00
Haul Corn	bu	31.05						0.10	31.15	31.15
Stalk Shredder Flex	20'		2.10	2.84	1.96			0.02	6.92	10.33
TOTALS		360.73	16.52	12.82	15.15	0.00	7.73	412.95	32.98	445.93

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

Table 8.E Estimated monthly income and expense flows per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2014

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	611.55
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	61.83	97.50	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.10	0.00	29.01	0.00	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.36	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	89.88	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.05
CUSTOM LIME	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	4.85	4.54	0.00	0.00	0.00	0.00	5.76
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	3.76	4.10	0.00	0.00	0.00	0.00	8.66
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	2.45	1.80	0.00	0.00	0.00	0.00	8.57
INTEREST ON OP. CAP.	0.90	0.00	0.00	0.00	0.38	3.56	2.57	0.00	0.15	0.00	0.00	0.17
TOTAL DIRECT EXPENSES	24.90	0.00	0.00	0.00	15.48	166.33	139.52	0.00	12.51	0.00	0.00	54.21
NET INCOME	-24.90	0.00	0.00	0.00	-15.48	-166.33	-139.52	0.00	-12.51	0.00	0.00	557.34
NET INCOME TO DATE	-24.90	-24.90	-24.90	-24.90	-40.38	-206.71	-346.23	-346.23	-358.74	-358.74	-358.74	198.60

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

Intrepid application is necessary only on refuge acres.

* Lease costs are based on hourly usage costs.

Table 8.F Estimated returns for various price/yield combinations, per acre
 Corn, no-tillage, BtRR, 8-row 30", 135 bu yield goal
 Non-Delta Areas, Mississippi, 2014

PRODUCT	-----PERCENT-----												
	75	80	85	90	95	100	105	110	115	120	125		
-----PRODUCT PRICE-----													
Corn	3.39	3.62	3.85	4.07	4.30	4.53	4.75	4.98	5.20	5.43	5.66		
PERCENT	YIELD	UNIT	-----dollars-----										
50	67.50	bu	-168 -201	-152 -185	-137 -170	-122 -155	-106 -139	-91 -124	-76 -109	-61 -94	-45 -78	-30 -63	-15 -48
60	81.00	bu	-125 -158	-106 -139	-88 -121	-70 -103	-51 -84	-33 -66	-15 -48	3 -29	21 -11	39 6	58 25
70	94.50	bu	-82 -115	-61 -94	-39 -72	-18 -51	3 -29	24 -8	45 12	67 34	88 55	110 77	131 98
80	108.00	bu	-39 -72	-15 -48	9 -23	33 0	58 25	82 49	106 74	131 98	155 122	180 147	204 171
90	121.50	bu	2 -30	30 -2	58 25	85 52	113 80	140 107	168 135	195 162	223 190	250 217	278 245
100	135.00	bu	45 12	76 43	106 73	137 104	168 135	198 165	229 196	259 226	290 257	320 287	351 318
110	148.50	bu	88 55	122 89	155 122	189 156	223 190	256 223	290 257	323 290	357 324	391 358	424 391
120	162.00	bu	131 98	167 134	204 171	241 208	277 245	314 281	351 318	388 355	424 391	461 428	498 465
130	175.50	bu	173 140	213 180	253 220	293 260	332 299	372 339	412 379	452 419	491 458	531 498	571 538
140	189.00	bu	216 183	259 226	302 269	345 312	387 354	430 397	473 440	516 483	559 526	601 569	644 611
150	202.50	bu	259 226	305 272	351 318	397 364	442 409	488 455	534 501	580 547	626 593	672 639	718 685

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 2013 input prices.

Table 9.A Estimated costs per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	1.0000	6.00	_____
Custom Spray Ground	acre	7.50	1.0000	7.50	_____
FERTILIZERS					
DAP	cwt	25.75	0.7600	19.57	_____
Potash (60% K2O)	cwt	23.75	0.5800	13.77	_____
UAN + Sulfur (28%)	cwt	19.50	4.2500	82.88	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	2.00	2.0000	4.00	_____
2,4-D Amine 4	pt	2.94	2.0000	5.88	_____
Lexar	pt	6.54	6.0000	39.24	_____
SEED/PLANTS					
Sorghum Concept	lb	2.11	6.0000	12.66	_____
ADJUVANTS					
Surfactant	pt	3.68	0.3000	1.10	_____
HAULING					
Haul Sorghum	bu	0.25	100.0000	25.00	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.5000	24.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	0.3120	3.90	_____
Harvesters	hour	12.50	0.1021	1.28	_____
HAND LABOR					
Implements	hour	9.06	0.1442	1.31	_____
UNALLOCATED LABOR	hour	12.47	0.3727	4.65	_____
DIESEL FUEL					
Tractors	gal	3.30	2.7303	9.02	_____
Harvesters	gal	3.30	1.3935	4.60	_____
REPAIR & MAINTENANCE					
Implements	acre	4.59	1.0000	4.59	_____
Tractors	acre	1.44	1.0000	1.44	_____
Harvesters	acre	2.92	1.0000	2.92	_____
INTEREST ON OP. CAP.	acre	4.99	1.0000	4.99	_____

TOTAL DIRECT EXPENSES				280.30	_____
FIXED EXPENSES					
Implements	acre	8.68	1.0000	8.68	_____
Tractors	acre	8.81	1.0000	8.81	_____
Harvesters	acre	11.16	1.0000	11.16	_____

TOTAL FIXED EXPENSES				28.65	_____

TOTAL SPECIFIED EXPENSES				308.95	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 9.B Summary of estimated costs and returns per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Grain Sorghum	bu	4.30	100.0000	430.00	_____

TOTAL INCOME				430.00	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	13.50	1.0000	13.50	_____
FERTILIZERS	acre	116.22	1.0000	116.22	_____
HERBICIDES	acre	49.12	1.0000	49.12	_____
SEED/PLANTS	acre	12.66	1.0000	12.66	_____
ADJUVANTS	acre	1.10	1.0000	1.10	_____
HAULING	acre	25.00	1.0000	25.00	_____
CUSTOM LIME	acre	24.00	1.0000	24.00	_____
HAND LABOR	hour	9.06	0.1442	1.31	_____
OPERATOR LABOR	hour	12.50	0.4142	5.18	_____
UNALLOCATED LABOR	hour	12.47	0.3727	4.65	_____
DIESEL FUEL	gal	3.30	4.1239	13.62	_____
REPAIR & MAINTENANCE	acre	8.95	1.0000	8.95	_____
INTEREST ON OP. CAP.	acre	4.99	1.0000	4.99	_____

TOTAL DIRECT EXPENSES				280.30	_____
RETURNS ABOVE DIRECT EXPENSES				149.70	_____
TOTAL FIXED EXPENSES				28.65	_____

TOTAL SPECIFIED EXPENSES				308.95	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				121.05	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 9.C Estimated resource use for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Oct	0.5000				
Disk Harrow	24'	MFWD 170	0.081	1.00	Nov		0.08	0.08	0.08	0.07
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	pt					2.0000				
2,4-D Amine 4	pt					2.0000				
Surfactant	pt					0.3000				
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Apr		0.04	0.04	0.08	0.03
DAP	cwt					0.7600				
Potash (60% K2O)	cwt					0.5800				
Field Cultivate Fld	32'	MFWD 170	0.046	1.00	Apr		0.04	0.04	0.04	0.04
Plant - Folding	12R-30	MFWD 170	0.062	1.00	Apr		0.06	0.06	0.12	0.05
Sorghum Concept	lb					6.0000				
Custom Spray Ground	acre			1.00	Apr	1.0000				
Lexar	pt					6.0000				
Fert Appl (Liquid)	12R-30	MFWD 170	0.078	1.00	May		0.07	0.07	0.11	0.07
UAN + Sulfur (28%)	cwt					4.2500				
Header Wheat/Sorghum	25' Rigid	265 hp	0.102	1.00	Sep		0.10	0.10	0.10	0.09
Haul Sorghum	bu					100.0000				
TOTALS							0.41	0.41	0.55	0.37

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 9.D Estimated costs for field operations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	24.00						0.90	24.90		24.90
Disk Harrow	24'		2.36	1.20	1.94			0.19	5.69	3.97	9.66
App by Air (5 gal)	appl	6.00						0.15	6.15		6.15
Glyphosate 3lbs a.e	pt	4.00						0.10	4.10		4.10
2,4-D Amine 4	pt	5.88						0.15	6.03		6.03
Surfactant	pt	1.10						0.03	1.13		1.13
Spin Spreader	5 ton		1.22	0.46	1.38			0.06	3.12	1.71	4.83
DAP	cwt	19.57						0.37	19.94		19.94
Potash (60% K20)	cwt	13.77						0.26	14.03		14.03
Field Cultivate Fld	32'		1.35	0.68	1.10			0.06	3.19	3.20	6.39
Plant - Folding	12R-30		1.82	1.69	2.07			0.10	5.68	4.35	10.03
Sorghum Concept	lb	12.66						0.24	12.90		12.90
Custom Spray Ground	acre	7.50						0.14	7.64		7.64
Lexar	pt	39.24						0.74	39.98		39.98
Fert Appl (Liquid)	12R-30		2.27	1.31	2.22			0.09	5.89	3.26	9.15
UAN + Sulfur (28%)	cwt	82.88						1.30	84.18		84.18
Header Wheat/Sorghum	25' Rigid		4.60	3.61	2.43			0.03	10.67	12.16	22.83
Haul Sorghum	bu	25.00						0.08	25.08		25.08
TOTALS		241.60	13.62	8.95	11.14	0.00	4.99	280.30	28.65	308.95	

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 9.E Estimated monthly income and expense flows per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2014

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	430.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	33.34	82.88	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	9.88	0.00	39.24	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	12.66	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
CUSTOM LIME	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	1.94	0.00	0.00	0.00	0.00	4.55	2.22	0.00	0.00	0.00	2.43
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	2.36	0.00	0.00	0.00	0.00	4.39	2.27	0.00	0.00	0.00	4.60
REPAIR & MAINTENANCE	0.00	1.20	0.00	0.00	0.00	0.00	2.83	1.31	0.00	0.00	0.00	3.61
INTEREST ON OP. CAP.	0.90	0.19	0.00	0.00	0.43	0.00	1.97	1.39	0.00	0.00	0.00	0.11
TOTAL DIRECT EXPENSES	24.90	5.69	0.00	0.00	17.41	0.00	106.48	90.07	0.00	0.00	0.00	35.75
NET INCOME	-24.90	-5.69	0.00	0.00	-17.41	0.00	-106.48	-90.07	0.00	0.00	0.00	394.25
NET INCOME TO DATE	-24.90	-30.59	-30.59	-30.59	-48.00	-48.00	-154.48	-244.55	-244.55	-244.55	-244.55	149.70

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 9.F Estimated returns for various price/yield combinations, per acre
 Grain sorghum, 12-row 30", 100 bu yield goal
 All Areas, Mississippi, 2014

PRODUCT			PERCENT										
-----			75	80	85	90	95	100	105	110	115	120	125
-----			PRODUCT PRICE-----										
-----			3.22	3.44	3.65	3.87	4.08	4.30	4.51	4.73	4.94	5.16	5.37
PERCENT	YIELD	UNIT	-----dollars-----										
50	50.00	bu	-106	-95	-85	-74	-63	-52	-42	-31	-20	-9	0
			-135	-124	-113	-102	-92	-81	-70	-59	-49	-38	-27
60	60.00	bu	-76	-63	-50	-38	-25	-12	0	13	26	39	52
			-105	-92	-79	-66	-53	-40	-28	-15	-2	10	23
70	70.00	bu	-47	-31	-16	-1	13	28	43	58	73	88	103
			-75	-60	-45	-30	-15	-0	14	29	44	59	74
80	80.00	bu	-17	-0	17	34	51	68	85	103	120	137	154
			-45	-28	-11	5	22	40	57	74	91	108	126
90	90.00	bu	12	31	51	70	89	109	128	147	167	186	205
			-16	3	22	41	61	80	99	119	138	157	177
100	100.00	bu	42	63	85	106	128	149	171	192	214	235	257
			13	35	56	78	99	121	142	164	185	207	228
110	110.00	bu	71	95	119	142	166	190	213	237	261	284	308
			43	66	90	114	137	161	185	208	232	256	279
120	120.00	bu	101	127	153	179	204	230	256	282	308	333	359
			73	98	124	150	176	202	227	253	279	305	331
130	130.00	bu	131	159	187	215	243	271	299	327	355	382	410
			102	130	158	186	214	242	270	298	326	354	382
140	140.00	bu	161	191	221	251	281	311	341	371	401	432	462
			132	162	192	222	252	283	313	343	373	403	433
150	150.00	bu	190	223	255	287	319	352	384	416	448	481	513
			162	194	226	259	291	323	355	388	420	452	484

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 2013 input prices.

Table 10.A Estimated costs per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	6.00	3.0000	18.00	_____
FERTILIZERS					
DAP	cwt	25.75	1.0000	25.75	_____
Potash (60% K2O)	cwt	23.75	0.7500	17.81	_____
Fert 41-0-0-4	cwt	20.50	2.8000	57.40	_____
FUNGICIDES					
Quilt	pt	19.55	0.8750	17.11	_____
HERBICIDES					
Axiom 68DF	oz	1.65	10.0000	16.50	_____
Axial XL	oz	0.98	16.4000	16.07	_____
SEED/PLANTS					
Wheat Seed Private	lb	0.37	90.0000	33.30	_____
CUSTOM FERTILIZE					
App Fert by Air	cwt	7.00	2.8000	19.60	_____
HAULING					
Haul Wheat	bu	0.26	70.0000	18.20	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	0.5000	24.00	_____
OPERATOR LABOR					
Tractors	hour	12.50	0.2648	3.31	_____
Harvesters	hour	12.50	0.1021	1.28	_____
HAND LABOR					
Implements	hour	9.06	0.1363	1.23	_____
UNALLOCATED LABOR	hour	12.49	0.2936	3.67	_____
DIESEL FUEL					
Tractors	gal	3.30	2.3178	7.65	_____
Harvesters	gal	3.30	1.3935	4.60	_____
REPAIR & MAINTENANCE					
Implements	acre	3.50	1.0000	3.50	_____
Tractors	acre	1.23	1.0000	1.23	_____
Harvesters	acre	2.92	1.0000	2.92	_____
INTEREST ON OP. CAP.	acre	5.98	1.0000	5.98	_____

TOTAL DIRECT EXPENSES				299.11	_____
FIXED EXPENSES					
Implements	acre	7.37	1.0000	7.37	_____
Tractors	acre	7.48	1.0000	7.48	_____
Harvesters	acre	11.16	1.0000	11.16	_____

TOTAL FIXED EXPENSES				26.01	_____

TOTAL SPECIFIED EXPENSES				325.12	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 10.B Summary of estimated costs and returns per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	6.29	70.0000	440.30	_____

TOTAL INCOME				440.30	_____
DIRECT EXPENSES					
CUSTOM SPRAY	acre	18.00	1.0000	18.00	_____
FERTILIZERS	acre	100.96	1.0000	100.96	_____
FUNGICIDES	acre	17.11	1.0000	17.11	_____
HERBICIDES	acre	32.57	1.0000	32.57	_____
SEED/PLANTS	acre	33.30	1.0000	33.30	_____
CUSTOM FERTILIZE	acre	19.60	1.0000	19.60	_____
HAULING	acre	18.20	1.0000	18.20	_____
CUSTOM LIME	acre	24.00	1.0000	24.00	_____
HAND LABOR	hour	9.06	0.1363	1.23	_____
OPERATOR LABOR	hour	12.50	0.3670	4.59	_____
UNALLOCATED LABOR	hour	12.49	0.2936	3.67	_____
DIESEL FUEL	gal	3.30	3.7114	12.25	_____
REPAIR & MAINTENANCE	acre	7.65	1.0000	7.65	_____
INTEREST ON OP. CAP.	acre	5.98	1.0000	5.98	_____

TOTAL DIRECT EXPENSES				299.11	_____
RETURNS ABOVE DIRECT EXPENSES				141.19	_____
TOTAL FIXED EXPENSES				26.01	_____

TOTAL SPECIFIED EXPENSES				325.12	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				115.18	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 10.C Estimated resource use for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
						-----hours-----				
Lime (Spread)	ton			0.25	Sep	0.5000				
Disk Harrow	24'	MFWD 170	0.081	1.00	Sep		0.08	0.08	0.08	0.06
Spin Spreader	5 ton	MFWD 170	0.042	1.00	Sep		0.04	0.04	0.08	0.03
DAP	cwt					1.0000				
Potash (60% K2O)	cwt					0.7500				
Field Cultivate Fld	32'	MFWD 170	0.046	1.00	Sep		0.04	0.04	0.04	0.03
Grain Drill	20'	MFWD 170	0.094	1.00	Oct		0.09	0.09	0.18	0.07
Wheat Seed Private	lb					90.0000				
App by Air (5 gal)	appl			1.00	Nov	1.0000				
Axiom 68DF	oz					10.0000				
App by Air (5 gal)	appl			1.00	Jan	1.0000				
Axial XL	oz					16.4000				
App Fert by Air	cwt			1.00	Feb	1.4000				
Fert 41-0-0-4	cwt					1.4000				
App Fert by Air	cwt			1.00	Mar	1.4000				
Fert 41-0-0-4	cwt					1.4000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Quilt	pt					0.8750				
Header Wheat/Sorghum	25' Rigid	265 hp	0.102	1.00	Jun		0.10	0.10	0.10	0.08
Haul Wheat	bu					70.0000				
TOTALS							0.36	0.36	0.50	0.29

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 10.D Estimated costs for field operations, per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Lime (Spread)	ton	24.00						0.75	24.75		24.75
Disk Harrow	24'		2.36	1.20	1.84			0.17	5.57	3.97	9.54
Spin Spreader	5 ton		1.22	0.46	1.33			0.09	3.10	1.71	4.81
DAP	cwt	25.75						0.80	26.55		26.55
Potash (60% K2O)	cwt	17.81						0.56	18.37		18.37
Field Cultivate Fld	32'		1.35	0.68	1.05			0.10	3.18	3.20	6.38
Grain Drill	20'		2.72	1.70	2.97			0.21	7.60	4.97	12.57
Wheat Seed Private	lb	33.30						0.94	34.24		34.24
App by Air (5 gal)	appl	6.00						0.15	6.15		6.15
Axiom 68DF	oz	16.50						0.41	16.91		16.91
App by Air (5 gal)	appl	6.00						0.11	6.11		6.11
Axial XL	oz	16.07						0.30	16.37		16.37
App Fert by Air	cwt	9.80						0.15	9.95		9.95
Fert 41-0-0-4	cwt	28.70						0.45	29.15		29.15
App Fert by Air	cwt	9.80						0.12	9.92		9.92
Fert 41-0-0-4	cwt	28.70						0.36	29.06		29.06
App by Air (5 gal)	appl	6.00						0.06	6.06		6.06
Quilt	pt	17.11						0.16	17.27		17.27
Header Wheat/Sorghum	25' Rigid		4.60	3.61	2.30			0.03	10.54	12.16	22.70
Haul Wheat	bu	18.20						0.06	18.26		18.26
TOTALS		263.74	12.25	7.65	9.49	0.00	5.98	299.11	26.01	325.12	

Note: Cost of production estimates are based on 2013 input prices.
Fertilization decisions should be based on soil tests.

Table 10.E Estimated monthly income and expense flows per acre
 Wheat followed by soybeans, 70 bu yield goal
 All Areas, Mississippi, 2014

ITEM	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	440.30
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	6.00	0.00	6.00	0.00	0.00	6.00	0.00	0.00
FERTILIZERS	0.00	0.00	43.56	0.00	0.00	0.00	0.00	28.70	28.70	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.11	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	16.50	0.00	16.07	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	33.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	9.80	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.20
CUSTOM LIME	0.00	0.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	4.22	2.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30
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	4.93	2.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.60
REPAIR & MAINTENANCE	0.00	0.00	2.34	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.61
INTEREST ON OP. CAP.	0.00	0.00	2.47	1.15	0.56	0.00	0.41	0.60	0.48	0.22	0.00	0.09
TOTAL DIRECT EXPENSES	0.00	0.00	81.52	41.84	23.06	0.00	22.48	39.10	38.98	23.33	0.00	28.80
NET INCOME	0.00	0.00	-81.52	-41.84	-23.06	0.00	-22.48	-39.10	-38.98	-23.33	0.00	411.50
NET INCOME TO DATE	0.00	0.00	-81.52	-123.36	-146.42	-146.42	-168.90	-208.00	-246.98	-270.31	-270.31	141.19

Note: Cost of production estimates are based on 2013 input prices.

Fertilization decisions should be based on soil tests.

* Lease costs are based on hourly usage costs.

Table 10.F Estimated returns for various price/yield combinations, per acre
Wheat followed by soybeans, 70 bu yield goal
All Areas, Mississippi, 2014

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
Wheat			4.71	5.03	5.34	5.66	5.97	6.29	6.60	6.91	7.23	7.54	7.86
			dollars										
PERCENT	YIELD	UNIT											
50	35.00	bu	-124	-113	-102	-91	-80	-69	-58	-47	-36	-25	-14
			-150	-139	-128	-117	-106	-95	-84	-73	-62	-51	-40
60	42.00	bu	-93	-80	-67	-54	-40	-27	-14	-1	12	25	38
			-119	-106	-93	-80	-66	-53	-40	-27	-14	-0	12
70	49.00	bu	-62	-47	-31	-16	-0	14	29	45	60	76	91
			-88	-73	-57	-42	-26	-11	3	19	34	50	65
80	56.00	bu	-31	-13	3	21	39	56	74	92	109	127	144
			-57	-39	-22	-4	13	30	48	65	83	101	118
90	63.00	bu	-0	19	39	59	79	98	118	138	158	178	198
			-26	-6	13	33	53	72	92	112	132	152	172
100	70.00	bu	31	53	75	97	119	141	163	185	207	229	251
			5	27	49	71	93	115	137	159	181	203	225
110	77.00	bu	62	86	110	134	159	183	207	231	256	280	304
			36	60	84	108	133	157	181	205	230	254	278
120	84.00	bu	93	119	146	172	199	225	252	278	304	331	357
			67	93	120	146	173	199	226	252	278	305	331
130	91.00	bu	124	153	181	210	239	267	296	325	353	382	410
			98	127	155	184	213	241	270	299	327	356	384
140	98.00	bu	155	186	217	248	279	310	340	371	402	433	464
			129	160	191	222	253	283	314	345	376	407	438
150	105.00	bu	187	220	253	286	319	352	385	418	451	484	517
			161	194	227	260	293	326	359	392	425	458	491

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 2013 input prices.

Table 11.A Estimated costs per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	24.00	0.4300	10.32	_____
Potash (60% K2O)	cwt	23.75	0.5200	12.35	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.37	54.0000	19.98	_____
Artisan	oz	0.96	64.0000	61.44	_____
Provost	oz	2.01	32.0000	64.32	_____
Bravo Ultrex	lb	5.80	2.8000	16.24	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	2.00	4.0000	8.00	_____
Dual II Magnum	pt	13.57	1.0000	13.57	_____
Storm	pt	11.09	3.0000	33.27	_____
Cadre	oz	3.52	2.4400	8.59	_____
xxButoxone 200(2,4-D	pt	3.21	2.0000	6.42	_____
Poast Plus	pt	8.41	1.5000	12.62	_____
INSECTICIDES					
Phorate	lb	3.00	5.0000	15.00	_____
Karate Z	oz	2.73	1.5000	4.10	_____
SEED/PLANTS					
Peanut Seed	lb	0.74	110.0000	81.40	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	4.68	6.0000	28.08	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.50	1.0000	7.50	_____
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	1.0000	48.00	_____
INOCULANT					
Optimize LIFT	oz	0.54	14.8000	7.99	_____
OPERATOR LABOR					
Tractors	hour	12.50	1.6246	20.31	_____
Self-Propelled	hour	12.50	0.2908	3.63	_____
HAND LABOR					
Implements	hour	9.06	0.1207	1.09	_____
Self-Propelled	hour	9.06	0.1454	1.32	_____
UNALLOCATED LABOR	hour	12.54	1.5324	19.22	_____
DIESEL FUEL					
Tractors	gal	3.30	17.5722	57.99	_____
Self-Propelled	gal	3.30	1.6470	5.44	_____
REPAIR & MAINTENANCE					
Implements	acre	9.96	1.0000	9.96	_____
Tractors	acre	9.82	1.0000	9.82	_____
Self-Propelled	acre	1.65	1.0000	1.65	_____
INTEREST ON OP. CAP.	acre	6.76	1.0000	6.76	_____
TOTAL DIRECT EXPENSES				675.93	_____
FIXED EXPENSES					
Implements	acre	31.40	1.0000	31.40	_____
Tractors	acre	59.85	1.0000	59.85	_____
Self-Propelled	acre	10.23	1.0000	10.23	_____
TOTAL FIXED EXPENSES				101.48	_____
TOTAL SPECIFIED EXPENSES				777.41	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 11.B Summary of estimated costs and returns per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	550.00	1.8000	990.00	_____

TOTAL INCOME				990.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	22.67	1.0000	22.67	_____
FUNGICIDES	acre	161.98	1.0000	161.98	_____
HERBICIDES	acre	82.46	1.0000	82.46	_____
INSECTICIDES	acre	19.10	1.0000	19.10	_____
SEED/PLANTS	acre	81.40	1.0000	81.40	_____
ADJUVANTS	acre	28.08	1.0000	28.08	_____
CUSTOM FERTILIZE	acre	7.50	1.0000	7.50	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
CUSTOM LIME	acre	48.00	1.0000	48.00	_____
INOCULANT	acre	7.99	1.0000	7.99	_____
HAND LABOR	hour	9.06	0.2662	2.41	_____
OPERATOR LABOR	hour	12.50	1.9155	23.94	_____
UNALLOCATED LABOR	hour	12.54	1.5324	19.22	_____
DIESEL FUEL	gal	3.30	19.2193	63.43	_____
REPAIR & MAINTENANCE	acre	21.43	1.0000	21.43	_____
INTEREST ON OP. CAP.	acre	6.76	1.0000	6.76	_____

TOTAL DIRECT EXPENSES				675.93	_____
RETURNS ABOVE DIRECT EXPENSES				314.07	_____
TOTAL FIXED EXPENSES				101.48	_____

TOTAL SPECIFIED EXPENSES				777.41	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				212.59	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 11.C Estimated resource use for field operations, per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Sprayer 300-450gal	60'	125hp	0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate 3lbs a.e	pt					4.0000				
Lime (Spread)	ton			1.00	Apr	1.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
Phosphorus(46% P2O5)	cwt					0.4300				
Potash (60% K2O)	cwt					0.5200				
Bed-Rip/Disk Fold.	8R-38	MFWD 190	0.073	1.00	May		0.07	0.07	0.07	0.05
Peanut Plt&Pre Rigid	8R-38	MFWD 190	0.120	1.00	May		0.12	0.12	0.24	0.09
Peanut Seed	lb					110.0000				
Optimize LIFT	oz					14.8000				
Phorate	lb					5.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	May			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.0000				
xxButoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.4400				
xxButoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Peanut Dig/Invertor	4R-38	MFWD 190	0.186	1.00	Sep		0.18	0.18	0.18	0.14
Peanut Harvester	4R-38	MFWD 225	0.934	1.00	Sep		0.93	0.93	0.93	0.74
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Dry Peanuts	ton			1.00	Sep	1.0800				
Cleaning Peanuts	ton			1.00	Sep	1.5300				
Haul Peanuts	ton			1.00	Sep	1.8000				
TOTALS							1.91	1.62	2.18	1.53

Note: Cost of production estimates are based on 2013 input prices.

Fertilizer recommendations are based on the nutrients that the peanut crop removes.

Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 11.D Estimated costs for field operations, per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.02	0.93	0.62	1.55
Glyphosate 3lbs a.e	pt	8.00						0.15	8.15		8.15
Lime (Spread)	ton	48.00						0.90	48.90		48.90
Custom Apply Fert	acre	7.50						0.14	7.64		7.64
Phosphorus(46% P2O5)	cwt	10.32						0.19	10.51		10.51
Potash (60% K2O)	cwt	12.35						0.23	12.58		12.58
Bed-Rip/Disk Fold.	8R-38		2.36	0.50	1.64			0.07	4.57	2.81	7.38
Peanut Plt&Pre Rigid	8R-38		3.90	2.23	3.81			0.16	10.10	6.68	16.78
Peanut Seed	lb	81.40						1.27	82.67		82.67
Optimize LIFT	oz	7.99						0.12	8.11		8.11
Phorate	lb	15.00						0.23	15.23		15.23
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Dual II Magnum	pt	13.57						0.21	13.78		13.78
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.10	6.76		6.76
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.08	6.74		6.74
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Storm	pt	16.63						0.21	16.84		16.84
Cadre	oz	3.52						0.04	3.56		3.56
xxButoxone 200(2,4-D	pt	3.21						0.04	3.25		3.25
Crop Oil Conc.(Veg.)	pt	9.36						0.12	9.48		9.48
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.08	6.74		6.74
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Artisan	oz	30.72						0.29	31.01		31.01
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.15	16.23		16.23
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Storm	pt	16.63						0.16	16.79		16.79
Cadre	oz	5.07						0.05	5.12		5.12
xxButoxone 200(2,4-D	pt	3.21						0.03	3.24		3.24
Crop Oil Conc.(Veg.)	pt	9.36						0.09	9.45		9.45
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Poast Plus	pt	12.62						0.12	12.74		12.74
Crop Oil Conc.(Veg.)	pt	9.36						0.09	9.45		9.45
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Bravo Ultrex	lb	8.12						0.08	8.20		8.20
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.15	16.23		16.23
Sprayer 300-450gal	60' 125hp		0.16	0.05	0.24				0.45	0.31	0.76
Karate Z	oz	4.10						0.03	4.13		4.13
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Artisan	oz	30.72						0.19	30.91		30.91
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.10	16.18		16.18
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Bravo Ultrex	lb	8.12						0.05	8.17		8.17
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.10	16.18		16.18
Peanut Dig/Invertor	4R-38		6.01	2.13	4.19			0.04	12.37	7.06	19.43
Peanut Harvester	4R-38		35.72	12.57	21.03			0.22	69.54	62.18	131.72
Peanut Dump Cart	6-Row		10.00	2.35	6.98			0.06	19.39	12.52	31.91
Dry Peanuts	ton	25.92						0.08	26.00		26.00
Cleaning Peanuts	ton	27.54						0.09	27.63		27.63
Haul Peanuts	ton	26.10						0.08	26.18		26.18
TOTALS			538.74	63.43	21.43	45.57	0.00	6.76	675.93	101.48	777.41

Note: Cost of production estimates are based on 2013 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
 60% of all peanuts harvested need drying.
 85% of all peanuts harvested need cleaning.

Table 11.E Estimated monthly income and expense flows per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-38 inch
 All Areas, Mississippi, 2014

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	990.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	22.67	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.66	13.32	71.00	71.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	8.00	13.57	23.36	37.53	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	4.10	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.40	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	9.36	18.72	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.99	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.48	6.41	1.44	2.88	2.16	32.20
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	0.33	6.92	0.99	1.98	1.48	51.73
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.10	2.93	0.30	0.60	0.45	17.05
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.63	2.18	0.60	1.27	0.51	0.57
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	88.71	143.06	49.37	133.98	79.70	181.11
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-88.71	-143.06	-49.37	-133.98	-79.70	808.89
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-88.71	-231.77	-281.14	-415.12	-494.82	314.07

Note: Cost of production estimates are based on 2013 input prices

Fertilizer recommendations are based on the nutrients that the peanut crop removes.

Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

* Lease costs are based on hourly usage costs.

Table 11.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, 2014

PRODUCT			-----PERCENT-----										
			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Peanut Runner			412.50	440.00	467.50	495.00	522.50	550.00	577.50	605.00	632.50	660.00	687.50
PERCENT	YIELD	UNIT	-----dollars-----										
50	0.90	ton	-264 -366	-240 -341	-215 -316	-190 -292	-165 -267	-141 -242	-116 -217	-91 -193	-66 -168	-42 -143	-17 -118
60	1.08	ton	-198 -299	-168 -270	-139 -240	-109 -210	-79 -181	-50 -151	-20 -121	9 -92	39 -62	68 -32	98 -2
70	1.26	ton	-132 -233	-97 -199	-62 -164	-28 -129	6 -95	41 -60	75 -25	110 8	144 43	179 78	214 112
80	1.44	ton	-65 -167	-26 -127	13 -88	52 -48	92 -9	132 30	171 70	211 109	250 149	290 188	330 228
90	1.62	ton	0 -101	44 -56	89 -12	133 32	178 77	223 121	267 166	312 210	356 255	401 299	445 344
100	1.80	ton	66 -34	116 14	165 64	215 113	264 163	314 212	363 262	413 311	462 361	512 410	561 460
110	1.98	ton	132 31	187 85	241 140	296 194	350 249	405 303	459 358	513 412	568 466	622 521	677 575
120	2.16	ton	199 97	258 157	317 216	377 275	436 335	496 394	555 454	614 513	674 572	733 632	793 691
130	2.34	ton	265 163	329 228	394 292	458 356	522 421	587 485	651 549	715 614	780 678	844 743	908 807
140	2.52	ton	331 230	400 299	470 368	539 438	608 507	678 576	747 645	816 715	886 784	955 853	1024 923
150	2.70	ton	397 296	472 370	546 444	620 519	694 593	769 667	843 741	917 816	991 890	1066 964	1140 1038

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 2013 input prices.

Table 12.A Estimated costs per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus (46% P2O5)	cwt	24.00	0.4300	10.32	_____
Potash (60% K2O)	cwt	23.75	0.5200	12.35	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.37	54.0000	19.98	_____
Artisan	oz	0.96	48.0000	46.08	_____
Provost	oz	2.01	32.0000	64.32	_____
Bravo Ultrex	lb	5.80	2.8000	16.24	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	2.00	4.0000	8.00	_____
Dual II Magnum	pt	13.57	1.0000	13.57	_____
Storm	pt	11.09	3.0000	33.27	_____
Cadre	oz	3.52	2.4400	8.59	_____
xxButoxone 200(2,4-D)	pt	3.21	2.0000	6.42	_____
Poast Plus	pt	8.41	1.5000	12.62	_____
INSECTICIDES					
Phorate	lb	3.00	5.0000	15.00	_____
Karate Z	oz	2.73	1.5000	4.10	_____
SEED/PLANTS					
Peanut Seed	lb	0.74	110.0000	81.40	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	4.68	6.0000	28.08	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.50	1.0000	7.50	_____
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	1.0000	48.00	_____
INOCULANT					
Optimize LIFT	oz	0.54	14.8000	7.99	_____
OPERATOR LABOR					
Tractors	hour	12.50	1.6876	21.10	_____
Self-Propelled	hour	12.50	0.2908	3.63	_____
HAND LABOR					
Implements	hour	9.06	0.1527	1.38	_____
Self-Propelled	hour	9.06	0.1454	1.32	_____
UNALLOCATED LABOR					
	hour	12.54	1.5828	19.85	_____
DIESEL FUEL					
Tractors	gal	3.30	18.0359	59.52	_____
Self-Propelled	gal	3.30	1.6470	5.44	_____
REPAIR & MAINTENANCE					
Implements	acre	10.34	1.0000	10.34	_____
Tractors	acre	9.98	1.0000	9.98	_____
Self-Propelled	acre	1.65	1.0000	1.65	_____
INTEREST ON OP. CAP.	acre	6.76	1.0000	6.76	_____
TOTAL DIRECT EXPENSES				664.35	_____
FIXED EXPENSES					
Implements	acre	29.94	1.0000	29.94	_____
Tractors	acre	60.84	1.0000	60.84	_____
Self-Propelled	acre	10.23	1.0000	10.23	_____
TOTAL FIXED EXPENSES				101.01	_____
TOTAL SPECIFIED EXPENSES				765.36	_____

Note: Cost of production estimates are based on 2013 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.
 60% of all peanuts harvested need drying.
 85% of all peanuts harvested need cleaning.

Table 12.B Summary of estimated costs and returns per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	550.00	1.8000	990.00	_____

TOTAL INCOME				990.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	22.67	1.0000	22.67	_____
FUNGICIDES	acre	146.62	1.0000	146.62	_____
HERBICIDES	acre	82.46	1.0000	82.46	_____
INSECTICIDES	acre	19.10	1.0000	19.10	_____
SEED/PLANTS	acre	81.40	1.0000	81.40	_____
ADJUVANTS	acre	28.08	1.0000	28.08	_____
CUSTOM FERTILIZE	acre	7.50	1.0000	7.50	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
CUSTOM LIME	acre	48.00	1.0000	48.00	_____
INOCULANT	acre	7.99	1.0000	7.99	_____
HAND LABOR	hour	9.06	0.2982	2.70	_____
OPERATOR LABOR	hour	12.50	1.9785	24.73	_____
UNALLOCATED LABOR	hour	12.54	1.5828	19.85	_____
DIESEL FUEL	gal	3.30	19.6829	64.96	_____
REPAIR & MAINTENANCE	acre	21.97	1.0000	21.97	_____
INTEREST ON OP. CAP.	acre	6.76	1.0000	6.76	_____

TOTAL DIRECT EXPENSES				664.35	_____
RETURNS ABOVE DIRECT EXPENSES				325.65	_____
TOTAL FIXED EXPENSES				101.01	_____

TOTAL SPECIFIED EXPENSES				765.36	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				224.64	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 12.C Estimated resource use for field operations, per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Sprayer 300-450gal	60'	125hp	0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate 3lbs a.e	pt					4.0000				
Lime (Spread)	ton			1.00	Apr	1.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
Phosphorus(46% P2O5)	cwt					0.4300				
Potash (60% K2O)	cwt					0.5200				
Bed-Rip/Disk Rigid	8R-30	MFWD 190	0.139	1.00	May		0.13	0.13	0.13	0.11
Peanut Plt&Pre Rigid	8R-30	MFWD 190	0.152	1.00	May		0.15	0.15	0.30	0.12
Peanut Seed	lb					110.0000				
Optimize LIFT	oz					14.8000				
Phorate	lb					5.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	May			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.0000				
xxButoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.4400				
xxButoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Artisan	oz					16.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60'	125hp	0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Peanut Dig/Invertor	4R-30	MFWD 190	0.235	1.00	Sep		0.23	0.23	0.23	0.18
Peanut Harvester	4R-30	MFWD 225	0.849	1.00	Sep		0.85	0.85	0.85	0.68
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							1.97	1.68	2.27	1.58

Note: Cost of production estimates are based on 2013 input prices.

Fertilizer recommendations are based on the nutrients that the peanut crop removes.

Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 12.D Estimated costs for field operations, per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.02	0.93	0.62	1.55
Glyphosate 3lbs a.e	pt	8.00						0.15	8.15		8.15
Lime (Spread)	ton	48.00						0.90	48.90		48.90
Custom Apply Fert	acre	7.50						0.14	7.64		7.64
Phosphorus(46% P2O5)	cwt	10.32						0.19	10.51		10.51
Potash (60% K2O)	cwt	12.35						0.23	12.58		12.58
Bed-Rip/Disk Rigid	8R-30		4.49	0.91	3.13			0.13	8.66	5.16	13.82
Peanut Plt&Pre Rigid	8R-30		4.93	2.94	4.82			0.20	12.89	8.67	21.56
Peanut Seed	lb	81.40						1.27	82.67		82.67
Optimize LIFT	oz	7.99						0.12	8.11		8.11
Phorate	lb	15.00						0.23	15.23		15.23
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Dual II Magnum	pt	13.57						0.21	13.78		13.78
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.10	6.76		6.76
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.08	6.74		6.74
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Storm	pt	16.63						0.21	16.84		16.84
Cadre	oz	3.52						0.04	3.56		3.56
xxButoxone 200(2,4-D	pt	3.21						0.04	3.25		3.25
Crop Oil Conc.(Veg.)	pt	9.36						0.12	9.48		9.48
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.08	6.74		6.74
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Artisan	oz	30.72						0.29	31.01		31.01
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.15	16.23		16.23
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Storm	pt	16.63						0.16	16.79		16.79
Cadre	oz	5.07						0.05	5.12		5.12
xxButoxone 200(2,4-D	pt	3.21						0.03	3.24		3.24
Crop Oil Conc.(Veg.)	pt	9.36						0.09	9.45		9.45
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Poast Plus	pt	12.62						0.12	12.74		12.74
Crop Oil Conc.(Veg.)	pt	9.36						0.09	9.45		9.45
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Bravo Ultrex	lb	8.12						0.08	8.20		8.20
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.15	16.23		16.23
Sprayer 300-450gal	60' 125hp		0.16	0.05	0.24				0.45	0.31	0.76
Karate Z	oz	4.10						0.03	4.13		4.13
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Artisan	oz	15.36						0.10	15.46		15.46
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.10	16.18		16.18
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Bravo Ultrex	lb	8.12						0.05	8.17		8.17
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.10	16.18		16.18
Peanut Dig/Invertor	4R-30		7.61	2.69	5.31			0.05	15.66	8.93	24.59
Peanut Harvester	4R-30		32.49	11.43	19.12			0.20	63.24	55.50	118.74
Peanut Dump Cart	6-Row		10.00	2.35	6.98			0.06	19.39	12.52	31.91
Dry Peanuts	ton	25.92						0.08	26.00		26.00
Cleaning Peanuts	ton	27.54						0.09	27.63		27.63
Haul Peanuts	ton	26.10						0.08	26.18		26.18
TOTALS		523.38	64.96	21.97	47.28	0.00	6.76	664.35	101.01	765.36	

Note: Cost of production estimates are based on 2013 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
 60% of all peanuts harvested need drying.
 85% of all peanuts harvested need cleaning.

Table 12.E Estimated monthly income and expense flows per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 8 row-30 inch
 All Areas, Mississippi, 2014

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	990.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	22.67	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.66	13.32	71.00	55.64	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	8.00	13.57	23.36	37.53	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	4.10	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.40	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	9.36	18.72	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.99	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.48	8.91	1.44	2.88	2.16	31.41
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	0.33	10.08	0.99	1.98	1.48	50.10
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.10	4.05	0.30	0.60	0.45	16.47
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.63	2.28	0.60	1.27	0.42	0.56
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	88.71	149.94	49.37	133.98	64.25	178.10
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-88.71	-149.94	-49.37	-133.98	-64.25	811.90
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-88.71	-238.65	-288.02	-422.00	-486.25	325.65

Note: Cost of production estimates are based on 2013 input prices.

Fertilizer recommendations are based on the nutrients that the peanut crop removes.

Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

* Lease costs are based on hourly usage costs.

Table 12.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, 2014

			-----PERCENT-----										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
-----			-----PRODUCT PRICE-----										
Peanut Runner			412.50	440.00	467.50	495.00	522.50	550.00	577.50	605.00	632.50	660.00	687.50
PERCENT	YIELD	UNIT	-----dollars-----										
50	0.90	ton	-253 -354	-228 -329	-203 -304	-178 -279	-154 -255	-129 -230	-104 -205	-79 -180	-55 -156	-30 -131	-5 -106
60	1.08	ton	-186 -287	-157 -258	-127 -228	-97 -198	-68 -169	-38 -139	-8 -109	20 -80	50 -50	80 -20	110 9
70	1.26	ton	-120 -221	-86 -187	-51 -152	-16 -117	17 -83	52 -48	87 -13	121 20	156 55	191 90	225 124
80	1.44	ton	-54 -155	-14 -115	24 -76	64 -36	104 3	143 42	183 82	222 121	262 161	302 201	341 240
90	1.62	ton	11 -89	56 -44	100 -0	145 44	190 89	234 133	279 178	323 222	368 267	412 311	457 356
100	1.80	ton	78 -22	127 26	177 76	226 125	276 175	325 224	375 274	424 323	474 373	523 422	573 472
110	1.98	ton	144 43	198 97	253 152	307 206	362 261	416 315	471 370	525 424	580 479	634 533	688 587
120	2.16	ton	210 109	270 169	329 228	388 287	448 347	507 406	567 466	626 525	685 584	745 644	804 703
130	2.34	ton	276 175	341 240	405 304	470 368	534 433	598 497	663 562	727 626	791 690	856 755	920 819
140	2.52	ton	343 242	412 311	481 380	551 450	620 519	689 588	759 658	828 727	897 796	966 865	1036 935
150	2.70	ton	409 308	483 382	557 456	632 531	706 605	780 679	854 753	929 828	1003 902	1077 976	1151 1050

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 2013 input prices.

Table 13.A Estimated costs per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
Phosphorus(46% P2O5)	cwt	24.00	0.4300	10.32	_____
Potash (60% K2O)	cwt	23.75	0.5200	12.35	_____
FUNGICIDES					
Tilt/ Bravo SE	oz	0.37	54.0000	19.98	_____
Artisan	oz	0.96	64.0000	61.44	_____
Provost	oz	2.01	32.0000	64.32	_____
Bravo Ultrex	lb	5.80	2.8000	16.24	_____
HERBICIDES					
Glyphosate 3lbs a.e	pt	2.00	4.0000	8.00	_____
Dual II Magnum	pt	13.57	1.0000	13.57	_____
Storm	pt	11.09	3.0000	33.27	_____
Cadre	oz	3.52	2.4400	8.59	_____
xxButoxone 200(2,4-D	pt	3.21	2.0000	6.42	_____
Poast Plus	pt	8.41	1.5000	12.62	_____
INSECTICIDES					
Phorate	lb	3.00	5.0000	15.00	_____
Karate Z	oz	2.73	1.5000	4.10	_____
SEED/PLANTS					
Peanut Seed	lb	0.74	110.0000	81.40	_____
ADJUVANTS					
Crop Oil Conc.(Veg.)	pt	4.68	6.0000	28.08	_____
CUSTOM FERTILIZE					
Custom Apply Fert	acre	7.50	1.0000	7.50	_____
HAULING					
Haul Peanuts	ton	14.50	1.8000	26.10	_____
CLEANING					
Cleaning Peanuts	ton	18.00	1.5300	27.54	_____
DRYING					
Dry Peanuts	ton	24.00	1.0800	25.92	_____
CUSTOM LIME					
Lime (Spread)	ton	48.00	1.0000	48.00	_____
INOCULANT					
Optimize LIFT	oz	0.54	14.8000	7.99	_____
OPERATOR LABOR					
Tractors	hour	12.50	1.1856	14.83	_____
Self-Propelled	hour	12.50	0.2908	3.63	_____
HAND LABOR					
Implements	hour	9.06	0.0804	0.73	_____
Self-Propelled	hour	9.06	0.1454	1.32	_____
UNALLOCATED LABOR					
	hour	12.54	1.1812	14.82	_____
DIESEL FUEL					
Tractors	gal	3.30	12.8051	42.26	_____
Self-Propelled	gal	3.30	1.6470	5.44	_____
REPAIR & MAINTENANCE					
Implements	acre	7.96	1.0000	7.96	_____
Tractors	acre	7.14	1.0000	7.14	_____
Self-Propelled	acre	1.65	1.0000	1.65	_____
INTEREST ON OP. CAP.	acre	6.61	1.0000	6.61	_____
TOTAL DIRECT EXPENSES				645.13	_____
FIXED EXPENSES					
Implements	acre	26.87	1.0000	26.87	_____
Tractors	acre	43.55	1.0000	43.55	_____
Self-Propelled	acre	10.23	1.0000	10.23	_____
TOTAL FIXED EXPENSES				80.65	_____
TOTAL SPECIFIED EXPENSES				725.78	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 13.B Summary of estimated costs and returns per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
 All Areas, Mississippi, 2014

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Peanut Runner	ton	550.00	1.8000	990.00	_____

TOTAL INCOME				990.00	_____
DIRECT EXPENSES					
FERTILIZERS	acre	22.67	1.0000	22.67	_____
FUNGICIDES	acre	161.98	1.0000	161.98	_____
HERBICIDES	acre	82.46	1.0000	82.46	_____
INSECTICIDES	acre	19.10	1.0000	19.10	_____
SEED/PLANTS	acre	81.40	1.0000	81.40	_____
ADJUVANTS	acre	28.08	1.0000	28.08	_____
CUSTOM FERTILIZE	acre	7.50	1.0000	7.50	_____
HAULING	acre	26.10	1.0000	26.10	_____
CLEANING	acre	27.54	1.0000	27.54	_____
DRYING	acre	25.92	1.0000	25.92	_____
CUSTOM LIME	acre	48.00	1.0000	48.00	_____
INOCULANT	acre	7.99	1.0000	7.99	_____
HAND LABOR	hour	9.06	0.2258	2.05	_____
OPERATOR LABOR	hour	12.50	1.4765	18.46	_____
UNALLOCATED LABOR	hour	12.54	1.1812	14.82	_____
DIESEL FUEL	gal	3.30	14.4521	47.70	_____
REPAIR & MAINTENANCE	acre	16.75	1.0000	16.75	_____
INTEREST ON OP. CAP.	acre	6.61	1.0000	6.61	_____

TOTAL DIRECT EXPENSES				645.13	_____
RETURNS ABOVE DIRECT EXPENSES				344.87	_____
TOTAL FIXED EXPENSES				80.65	_____

TOTAL SPECIFIED EXPENSES				725.78	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				264.22	_____

Note: Cost of production estimates are based on 2013 input prices.

Fertilizer recommendations are based on the nutrients that the peanut crop removes. Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

Table 13.C Estimated resource use for field operations, per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
-----hours-----										
Sprayer 300-450gal	60' 125hp		0.017	1.00	Apr			0.01	0.02	0.01
Glyphosate 3lbs a.e	pt					4.0000				
Lime (Spread)	ton			1.00	Apr	1.0000				
Custom Apply Fert	acre			1.00	Apr	1.0000				
Phosphorus(46% P2O5)	cwt					0.4300				
Potash (60% K2O)	cwt					0.5200				
Bed-Rip/Disk Fold.	12R-38	MFWD 225	0.046	1.00	May		0.04	0.04	0.04	0.03
Peanut Plt&Pre Fold.	12R-38	MFWD 190	0.080	1.00	May		0.08	0.08	0.16	0.06
Peanut Seed	lb					110.0000				
Optimize LIFT	oz					14.8000				
Phorate	lb					5.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	May			0.01	0.02	0.01
Dual II Magnum	pt					1.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	May			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.4400				
xxButoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jun			0.01	0.02	0.01
Tilt/ Bravo SE	oz					18.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Storm	pt					1.5000				
Cadre	oz					1.0000				
xxButoxone 200(2,4-D	pt					1.0000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Poast Plus	pt					1.5000				
Crop Oil Conc.(Veg.)	pt					2.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Jul			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 125hp		0.017	0.50	Aug			0.00	0.01	0.00
Karate Z	oz					1.5000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01
Artisan	oz					32.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01
Bravo Ultrex	lb					1.4000				
Sprayer 300-450gal	60' 125hp		0.017	1.00	Aug			0.01	0.02	0.01
Provost	oz					8.0000				
Peanut Dig/Invertor	6R-38	MFWD 190	0.124	1.00	Sep		0.12	0.12	0.12	0.09
Peanut Harvester	6R-38	MFWD 225	0.625	1.00	Sep		0.62	0.62	0.62	0.50
Peanut Dump Cart	6-Row	MFWD 190	0.310	1.00	Sep		0.31	0.31	0.31	0.24
Dry Peanuts	ton			1.00	Sep	1.0800				
Cleaning Peanuts	ton			1.00	Sep	1.5300				
Haul Peanuts	ton			1.00	Sep	1.8000				
TOTALS							1.47	1.18	1.70	1.18

Note: Cost of production estimates are based on 2013 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
 60% of all peanuts harvested need drying.
 85% of all peanuts harvested need cleaning.

Table 13.D Estimated costs for field operations, per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
 All Areas, Mississippi, 2014

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST	
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL			
-----dollars-----											
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.02	0.93	0.62	1.55
Glyphosate 3lbs a.e	pt	8.00						0.15	8.15		8.15
Lime (Spread)	ton	48.00						0.90	48.90		48.90
Custom Apply Fert	acre	7.50						0.14	7.64		7.64
Phosphorus(46% P2O5)	cwt	10.32						0.19	10.51		10.51
Potash (60% K2O)	cwt	12.35						0.23	12.58		12.58
Bed-Rip/Disk Fold.	12R-38		1.77	0.43	1.04			0.05	3.29	2.47	5.76
Peanut Plt&Pre Fold.	12R-38		2.60	2.57	2.54			0.12	7.83	6.46	14.29
Peanut Seed	lb	81.40						1.27	82.67		82.67
Optimize LIFT	oz	7.99						0.12	8.11		8.11
Phorate	lb	15.00						0.23	15.23		15.23
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Dual II Magnum	pt	13.57						0.21	13.78		13.78
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.10	6.76		6.76
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.08	6.74		6.74
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Storm	pt	16.63						0.21	16.84		16.84
Cadre	oz	5.07						0.06	5.13		5.13
xxButoxone 200(2,4-D	pt	3.21						0.04	3.25		3.25
Crop Oil Conc.(Veg.)	pt	9.36						0.12	9.48		9.48
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Tilt/ Bravo SE	oz	6.66						0.08	6.74		6.74
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Artisan	oz	30.72						0.29	31.01		31.01
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.15	16.23		16.23
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Storm	pt	16.63						0.16	16.79		16.79
Cadre	oz	3.52						0.03	3.55		3.55
xxButoxone 200(2,4-D	pt	3.21						0.03	3.24		3.24
Crop Oil Conc.(Veg.)	pt	9.36						0.09	9.45		9.45
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Poast Plus	pt	12.62						0.12	12.74		12.74
Crop Oil Conc.(Veg.)	pt	9.36						0.09	9.45		9.45
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Bravo Ultrex	lb	8.12						0.08	8.20		8.20
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.15	16.23		16.23
Sprayer 300-450gal	60' 125hp		0.16	0.05	0.24				0.45	0.31	0.76
Karate Z	oz	4.10						0.03	4.13		4.13
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Artisan	oz	30.72						0.19	30.91		30.91
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.10	16.18		16.18
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Bravo Ultrex	lb	8.12						0.05	8.17		8.17
Sprayer 300-450gal	60' 125hp		0.33	0.10	0.48			0.01	0.92	0.62	1.54
Provost	oz	16.08						0.10	16.18		16.18
Peanut Dig/Invertor	6R-38		4.00	1.44	2.79			0.03	8.26	5.12	13.38
Peanut Harvester	6R-38		23.89	8.31	14.06			0.14	46.40	43.85	90.25
Peanut Dump Cart	6-Row		10.00	2.35	6.98			0.06	19.39	12.52	31.91
Dry Peanuts	ton	25.92						0.08	26.00		26.00
Cleaning Peanuts	ton	27.54						0.09	27.63		27.63
Haul Peanuts	ton	26.10						0.08	26.18		26.18
TOTALS			538.74	47.70	16.75	35.33	0.00	6.61	645.13	80.65	725.78

Note: Cost of production estimates are based on 2013 input prices.
Fertilizer recommendations are based on the nutrients that the peanut crop removes.
Fertilization decisions should be based on soil tests.
 60% of all peanuts harvested need drying.
 85% of all peanuts harvested need cleaning.

Table 13.E Estimated monthly income and expense flows per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
 All Areas, Mississippi, 2014

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
-----dollars-----												
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	990.00
DIRECT EXPENSES												
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	22.67	0.00	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.66	13.32	71.00	71.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	0.00	0.00	8.00	13.57	24.91	35.98	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	4.10	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.40	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	9.36	18.72	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10
CLEANING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92
CUSTOM LIME	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00
INOCULANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.99	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.48	4.54	1.44	2.88	2.16	23.83
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	0.33	5.03	0.99	1.98	1.48	37.89
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.10	3.20	0.30	0.60	0.45	12.10
INTEREST ON OP. CAP.	0.00	0.00	0.00	0.00	0.00	0.00	1.63	2.12	0.62	1.25	0.51	0.48
TOTAL DIRECT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	88.71	139.51	50.94	132.41	79.70	153.86
NET INCOME	0.00	0.00	0.00	0.00	0.00	0.00	-88.71	-139.51	-50.94	-132.41	-79.70	836.14
NET INCOME TO DATE	0.00	0.00	0.00	0.00	0.00	0.00	-88.71	-228.22	-279.16	-411.57	-491.27	344.87

Note: Cost of production estimates are based on 2013 input prices.

* Lease costs are based on hourly usage costs.

Fertilizer recommendations are based on the nutrients that the peanut crop removes.

Fertilization decisions should be based on soil tests.

60% of all peanuts harvested need drying.

85% of all peanuts harvested need cleaning.

* Lease costs are based on hourly usage costs.

Table 13.F Estimated returns for various price/yield combinations, per acre
 Peanut - runner, 1.8 ton (3600 lb) yield, 12 row-38inch
 All Areas, Mississippi, 2014

PRODUCT			PERCENT										
-----			75	80	85	90	95	100	105	110	115	120	125
-----			PRODUCT PRICE-----										
Peanut Runner			412.50	440.00	467.50	495.00	522.50	550.00	577.50	605.00	632.50	660.00	687.50
PERCENT	YIELD	UNIT	-----dollars-----										
50	0.90	ton	-233 -314	-209 -289	-184 -265	-159 -240	-134 -215	-110 -190	-85 -166	-60 -141	-35 -116	-11 -91	13 -67
60	1.08	ton	-167 -248	-138 -218	-108 -188	-78 -159	-48 -129	-19 -99	10 -70	40 -40	69 -10	99 18	129 48
70	1.26	ton	-101 -182	-66 -147	-32 -112	2 -78	37 -43	71 -8	106 25	141 60	175 95	210 129	245 164
80	1.44	ton	-35 -115	4 -76	44 -36	83 2	123 42	162 82	202 121	242 161	281 200	321 240	360 280
90	1.62	ton	31 -49	75 -4	120 39	164 84	209 128	253 173	298 217	342 262	387 306	432 351	476 395
100	1.80	ton	97 16	146 66	196 115	245 165	295 214	344 264	394 313	443 363	493 412	542 462	592 511
110	1.98	ton	163 82	218 137	272 191	326 246	381 300	435 355	490 409	544 464	599 518	653 573	708 627
120	2.16	ton	229 149	289 208	348 268	408 327	467 386	526 446	586 505	645 565	705 624	764 683	823 743
130	2.34	ton	296 215	360 279	424 344	489 408	553 472	617 537	682 601	746 665	810 730	875 794	939 859
140	2.52	ton	362 281	431 351	501 420	570 489	639 558	708 628	778 697	847 766	916 836	986 905	1055 974
150	2.70	ton	428 348	502 422	577 496	651 570	725 645	799 719	874 793	948 867	1022 942	1096 1016	1171 1090

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 2013 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, 2014

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	-----\$/hour-----					
Combine (250-299 hp)	265 hp	274,000	300	8	13.64	12.50	45.01	28.54	86.05	109.25	195.31
Combine (300-349 hp)	325 hp	313,000	300	8	16.73	12.50	55.20	32.60	100.31	124.81	225.12
Combine (350-399 hp)	355 hp	344,000	300	8	18.27	12.50	60.29	35.83	108.62	137.17	245.79
Combine (400-449 hp)	425 hp	356,000	300	8	21.87	12.50	72.19	37.08	121.77	141.95	263.73
Combine (450-499hp)	475 hp	378,000	300	8	24.44	12.50	80.68	39.37	132.55	150.72	283.28
Cotton Stripper	173 hp	166,000	200	8	8.08	12.50	26.66	25.93	65.10	99.29	164.39
Tractor(20-39hp)CB	MFWD 30	29,900	600	8	1.54	12.50	5.09	0.93	18.52	5.43	23.95
Tractor(20-39hp)RB	MFWD 30	17,700	600	8	1.54	12.50	5.09	0.55	18.14	3.21	21.36
Tractor(40-59hp)CB	2WD 50	35,100	600	8	2.57	12.50	8.49	1.09	22.08	6.37	28.46
Tractor(40-59hp)CB	MFWD 50	37,500	600	8	2.57	12.50	8.49	1.17	22.16	6.81	28.97
Tractor(40-59hp)RB	2WD 50	19,300	600	8	2.57	12.50	8.49	0.60	21.59	3.50	25.10
Tractor(40-59hp)RB	MFWD 50	27,700	600	8	2.57	12.50	8.49	0.86	21.85	5.03	26.88
Tractor(60-89hp)CB	2WD 75	43,400	600	8	3.86	12.50	12.73	1.35	26.59	7.88	34.47
Tractor(60-89hp)CB	MFWD 75	49,200	600	8	3.86	12.50	12.73	1.53	26.77	8.93	35.71
Tractor(60-89hp)RB	2WD 75	32,200	600	8	3.86	12.50	12.73	1.00	26.24	5.84	32.09
Tractor(60-89hp)RB	MFWD 75	40,600	600	8	3.86	12.50	12.73	1.26	26.50	7.37	33.88
Tractor(90-119hp)CB	2WD 105	62,100	600	8	5.40	12.50	17.83	1.94	32.27	11.27	43.55
Tractor(90-119hp)CB	MFWD 105	73,400	600	8	5.40	12.50	17.83	2.29	32.62	13.33	45.95
Tractor(90-119hp)RB	2WD 105	50,200	600	8	5.40	12.50	17.83	1.56	31.90	9.11	41.02
Tractor(90-119hp)RB	MFWD 105	55,700	600	8	5.40	12.50	17.83	1.74	32.07	10.11	42.19
Tractor(120-139hp)CB	2WD 130	95,400	600	8	6.69	12.50	22.08	2.98	37.56	17.32	54.88
Tractor(120-139hp)CB	MFWD 130	106,000	600	8	6.69	12.50	22.08	3.31	37.89	19.25	57.14
Tractor(140-159hp)CB	2WD 150	130,000	600	8	7.72	12.50	25.47	4.06	42.04	23.60	65.65
Tractor(140-159hp)CB	MFWD 150	137,000	600	8	7.72	12.50	25.47	4.28	42.26	24.88	67.14
Tractor(160-179hp)CB	MFWD 170	148,000	600	8	8.75	12.50	28.87	4.62	46.00	28.19	74.19
Tractor(180-199hp)CB	MFWD 190	160,000	600	8	9.77	12.50	32.27	5.00	49.77	30.47	80.25
Tractor(200-249hp)CB	MFWD 225	218,000	600	8	11.58	12.50	38.21	6.81	57.53	41.52	99.05
Tractor(200-249hp)CB	Track 225	268,000	600	8	11.58	12.50	38.21	8.37	59.09	51.05	110.14
Tractor(250-349hp)CB	4WD 300	269,000	600	8	15.44	12.50	50.95	8.40	71.86	51.24	123.10
Tractor(250-349hp)CB	MFWD 300	242,000	600	8	15.44	12.50	50.95	7.56	71.02	46.09	117.11
Tractor(250-349hp)CB	Track 300	273,000	600	8	15.44	12.50	50.95	8.53	71.98	52.00	123.99
Tractor(350-449hp)CB	4WD 400	290,000	600	8	20.58	12.50	67.94	9.06	89.50	55.24	144.74
Tractor(350-449hp)CB	Track 400	340,000	600	8	20.58	12.50	67.94	10.62	91.06	64.76	155.83
Tractor(450-550hp)CB	4WD 500	346,000	600	8	25.73	12.50	84.92	10.81	108.24	65.91	174.15
Tractor(450-550hp)CB	Track 500	391,000	600	8	25.73	12.50	84.92	12.21	109.64	74.48	184.13
Utility Vehicle	800 CC	7,500	200	8	0.70	12.50	2.31	1.17	15.98	4.48	20.46
Utility Vehicle-mule	600 CC	6,200	200	8	0.50	12.50	1.65	0.96	15.11	3.70	18.82

Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

CB = Cab, RB = Roll Bar

Appendix Table 2. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Mississippi, 2014

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
Backhoe	2WD Cab	73,000	0	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker	4R-30(350)	350,000	200	8	18.01	0.327	7.05	19.46	17.90	44.42	68.53	112.96
Cotton Picker	4R-38(255)	267,000	200	8	13.12	0.257	5.55	11.16	10.75	27.47	41.16	68.64
Cotton Picker	4R-38(350)	406,000	200	8	18.01	0.257	5.55	15.32	16.35	37.23	62.59	99.83
Cotton Picker	4R2x1(350)	413,000	200	8	18.01	0.172	3.71	10.24	11.11	25.07	42.56	67.64
Cotton Picker	6R-30(355)	465,000	200	8	18.27	0.218	4.70	13.16	15.85	33.72	60.70	94.42
Cotton Picker	6R-38(355)	478,000	200	8	18.27	0.172	3.71	10.39	12.86	26.97	49.26	76.23
Cotton Picker/Module	4R-38(365)	515,000	200	8	18.78	0.257	5.55	15.98	20.74	42.28	79.40	121.68
Cotton Picker/Module	6R-30(365)	608,000	200	8	18.78	0.218	4.70	13.53	20.73	38.97	79.36	118.34
Cotton Picker/Module	6R-30(500)	672,000	200	8	25.73	0.218	4.70	18.53	22.91	46.15	87.72	133.88
Cotton Picker/Module	6R-38(365)	571,000	200	8	18.78	0.172	3.71	10.68	15.37	29.77	58.84	88.62
Cotton Picker/Module	6R-38(500)	672,000	200	8	25.73	0.172	3.71	14.63	18.09	36.44	69.25	105.70
Dry Applicator SP	70'300cuft	270,000	350	8	16.98	0.015	0.25	0.84	0.21	1.32	1.39	2.71
Sprayer 110Gal	30' 50hp	43,300	350	8	2.41	0.035	0.60	0.28	0.08	0.96	0.52	1.48
Sprayer 300-450gal	60' 125hp	103,000	350	8	5.66	0.017	0.30	0.32	0.09	0.72	0.62	1.34
Sprayer 300-450gal	80' 125hp	103,000	350	8	6.43	0.013	0.22	0.28	0.07	0.57	0.46	1.04
Sprayer 600-750gal	60' 175hp	172,000	350	8	9.00	0.017	0.30	0.52	0.16	0.98	1.03	2.02
Sprayer 600-825gal	80' 175hp	174,000	350	8	11.81	0.013	0.22	0.51	0.12	0.86	0.78	1.64
Sprayer 600-825gal	90' 250hp	240,000	350	8	12.73	0.011	0.20	0.49	0.15	0.84	0.96	1.80
Sprayer 800gal	100' 250hp	242,000	350	8	14.15	0.010	0.18	0.49	0.13	0.81	0.87	1.68
Sprayer 800gal	80' 250hp	237,000	350	8	12.86	0.013	0.22	0.56	0.16	0.95	1.07	2.02
Sprayer 1000-1400gal	90' 275hp	286,000	350	8	14.15	0.010	0.18	0.49	0.16	0.83	1.03	1.87
Sprayer 1000gal	100' 300hp	288,000	350	8	15.44	0.010	0.18	0.53	0.16	0.88	1.04	1.92
Sprayer 1200+gal	120' 300hp	289,000	350	8	15.44	0.008	0.15	0.44	0.13	0.73	0.87	1.60
Utility Vehicle	20'	8,830	200	8	0.70	0.052	0.90	0.12	0.07	1.09	0.27	1.37
Utility Vehicle	75"ropewic	8,750	200	8	0.50	0.170	2.90	0.28	0.23	3.42	0.89	4.31

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, 2014

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---	Imp. P.U.	Total Direct	--Fixed-- Imp. P.U.	Total Cost	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Bed-Disk (Hipper)	4R-38	MFWD 150	7,780	160	10	0.147	1.84	3.76	0.28	0.63	6.52	0.73	3.67	10.93
Bed-Disk (Hipper)	6R-30	MFWD 170	10,800	160	10	0.125	1.56	3.60	0.33	0.57	6.08	0.86	3.52	10.47
Bed-Disk (Hipper)	6R-38	MFWD 170	13,500	160	10	0.098	1.23	2.84	0.33	0.45	4.87	0.84	2.78	8.50
Bed-Disk (Hipper)	8R-30	MFWD 190	15,100	160	10	0.093	1.17	3.02	0.35	0.46	5.02	0.90	2.85	8.77
Bed-Disk (Hipper)	8R-38 2x1	MFWD 190	28,200	160	10	0.049	0.61	1.59	0.34	0.24	2.80	0.88	1.50	5.19
Bed-Disk (Hipper)	10R-30	MFWD 225	22,000	160	10	0.075	0.93	2.86	0.41	0.51	4.72	1.05	3.11	8.89
Bed-Disk (Hipper)	10R-38	MFWD 225	22,000	160	10	0.059	0.73	2.26	0.32	0.40	3.72	0.82	2.45	7.01
Bed-Disk (Hipper)	12R-30	MFWD 225	28,100	160	10	0.062	0.78	2.38	0.43	0.42	4.03	1.11	2.59	7.74
Bed-Disk (Hipper)	12R-38	MFWD 225	28,200	160	10	0.049	0.61	1.88	0.34	0.33	3.18	0.88	2.04	6.12
Bed-Disk (Hipper)Fl	8R-38	MFWD 190	20,600	160	10	0.074	0.92	2.39	0.38	0.37	4.07	0.97	2.25	7.30
Bed-Disk (Hipper)Rd	8R-38	MFWD 190	16,100	160	10	0.074	0.92	2.39	0.29	0.37	3.98	0.76	2.25	7.00
Bed-Disk w/roller	8R-30	MFWD 190	21,000	160	10	0.093	1.17	3.02	0.49	0.46	5.15	1.25	2.85	9.27
Bed-Disk w/roller	12R-30	MFWD 225	35,800	160	10	0.062	0.78	2.38	0.55	0.42	4.15	1.42	2.59	8.17
Bed-Disk w/roller	8R-38	MFWD 190	29,100	160	10	0.074	0.92	2.39	0.53	0.37	4.22	1.37	2.25	7.86
Bed-Middle Buster	4R-38	MFWD 150	10,800	160	8	0.228	2.85	5.81	0.57	0.97	10.22	1.76	5.68	17.67
Bed-Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.50	3.06	0.36	0.51	5.44	1.09	2.99	9.52
Bed-Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.42	3.68	0.55	0.57	6.24	1.69	3.48	11.41
Bed-Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	1.12	2.91	0.38	0.45	4.87	1.16	2.75	8.79
Bed-Middle Buster	8R-38 2x1	MFWD 190	29,200	160	8	0.060	0.75	1.93	0.41	0.30	3.40	1.25	1.83	6.48
Bed-Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	1.14	3.49	0.62	0.62	5.88	1.91	3.79	11.58
Bed-Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	0.90	2.75	0.54	0.49	4.68	1.65	2.99	9.33
Bed-Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.75	2.29	0.41	0.40	3.86	1.25	2.49	7.61
Bed-Paratill Fold	8R-38	MFWD 225	54,400	150	12	0.080	1.00	3.08	1.58	0.55	6.23	2.64	3.35	12.23
Bed-Paratill Fold	8R-38 2x1	MFWD 225	69,100	150	12	0.053	0.67	2.05	1.34	0.36	4.43	2.23	2.23	8.90
Bed-Paratill Fold	12R-38	MFWD 225	69,100	150	12	0.053	0.67	2.05	1.34	0.36	4.43	2.23	2.23	8.90
Bed-Paratill Rigid	4R-30	MFWD 225	14,800	150	12	0.204	2.55	7.80	1.09	1.39	12.84	1.81	8.48	23.15
Bed-Paratill Rigid	4R-38	MFWD 225	14,100	150	12	0.160	2.01	6.14	0.81	1.09	10.07	1.36	6.68	18.12
Bed-Paratill Rigid	6R-30	MFWD 225	20,100	150	12	0.136	1.70	5.20	0.98	0.92	8.82	1.64	5.65	16.13
Bed-Paratill Rigid	6R-38	MFWD 225	19,000	150	12	0.107	1.34	4.10	0.73	0.73	6.92	1.22	4.46	12.62
Bed-Paratill Rigid	8R-30	MFWD 225	28,100	150	12	0.102	1.27	3.90	1.03	0.69	6.91	1.72	4.24	12.88
Bed-Paratill Rigid	8R-38	MFWD 225	27,200	150	12	0.080	1.00	3.08	0.79	0.55	5.43	1.32	3.35	10.11
Bed-Paratill w/rol	4R-30	MFWD 225	14,100	150	12	0.204	2.55	7.80	1.04	1.39	12.79	1.73	8.48	23.01
Bed-Paratill w/rol	4R-38	MFWD 225	14,100	150	12	0.160	2.01	6.14	0.81	1.09	10.07	1.36	6.68	18.12
Bed-Paratill w/rol	6R-38	MFWD 225	18,600	150	12	0.107	1.34	4.10	0.72	0.73	6.90	1.20	4.46	12.57
Bed-Rip/Disk Fold.	8R-38	MFWD 190	35,200	300	20	0.073	0.91	2.35	0.12	0.36	3.76	0.57	2.22	6.56
Bed-Rip/Disk Fold.	12R-30	MFWD 225	52,600	300	20	0.061	0.77	2.35	0.16	0.41	3.70	0.72	2.55	6.99
Bed-Rip/Disk Fold.	12R-38	MFWD 225	52,600	300	20	0.046	0.57	1.76	0.12	0.31	2.78	0.54	1.91	5.24
Bed-Rip/Disk Rigid	4R-30	MFWD 190	15,000	300	20	0.184	2.31	5.96	0.13	0.92	9.34	0.62	5.63	15.59
Bed-Rip/Disk Rigid	4R-38	MFWD 190	15,000	300	20	0.146	1.83	4.73	0.11	0.73	7.41	0.49	4.47	12.37
Bed-Rip/Disk Rigid	6R-38	MFWD 190	23,500	300	20	0.097	1.21	3.14	0.11	0.48	4.95	0.51	2.96	8.43
Bed-Rip/Disk Rigid	8R-30	MFWD 190	29,600	300	20	0.139	1.73	4.48	0.20	0.69	7.12	0.92	4.23	12.28
Bed-Rip/Disk Rigid	8R-38	MFWD 190	29,600	300	20	0.073	0.91	2.35	0.10	0.36	3.74	0.48	2.22	6.45
Bed-Rip/Disk Rigid	6R-30	MFWD 190	23,500	300	20	0.123	1.54	3.97	0.14	0.61	6.27	0.64	3.75	10.68
Bed-Rip/Disk/Cond.	6-Row	MFWD 225	19,300	150	12	0.107	1.34	4.10	0.74	0.73	6.93	1.24	4.46	12.65
Bed-Rip/Disk/Cond.	8-Row	MFWD 225	23,000	150	12	0.080	1.00	3.08	0.67	0.55	5.31	1.11	3.35	9.78
Bed-Roll-Fold.	8R-38	MFWD 190	26,100	160	10	0.074	0.92	2.39	0.48	0.37	4.17	1.23	2.25	7.66
Bed-Roll-Fold.	12R-30	MFWD 225	27,900	160	10	0.062	0.78	2.38	0.43	0.42	4.03	1.11	2.59	7.73
Bed-Roll-Fold.	12R-38	MFWD 225	31,000	160	10	0.049	0.61	1.88	0.38	0.33	3.22	0.97	2.04	6.24
Bed-Roll-Fold.	16R-30	MFWD 225	32,300	160	10	0.046	0.58	1.79	0.37	0.31	3.07	0.96	1.94	5.98
Bed-Roll-Rigid	8R-38	MFWD 190	19,400	160	10	0.074	0.92	2.39	0.35	0.37	4.04	0.91	2.25	7.22
Blade-Box	6'-7'	2WD 130	1,070	200	20	0.020	0.25	0.44	0.01	0.05	0.76	0.00	0.34	1.11
Blade-Box	8'-10'	2WD 50	4,970	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Box	12'-16'	2WD 50	7,170	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	6'-7'	2WD 50	1,030	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	8'-10'	2WD 50	3,300	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	12'-16'	2WD 50	6,590	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boll Buggy	4R-30(350)	MFWD 190	30,500	200	10	0.327	4.09	10.56	2.49	1.63	18.79	4.88	9.97	33.65
Boll Buggy	4R-38(255)	MFWD 190	30,500	200	10	0.257	3.22	8.31	1.96	1.28	14.79	3.84	7.85	26.50
Boll Buggy	4R-38(350)	MFWD 190	30,500	200	10	0.257	3.22	8.31	1.96	1.28	14.79	3.84	7.85	26.50
Boll Buggy	4R2x1(350)	MFWD 190	30,500	200	10	0.172	2.15	5.56	1.31	0.86	9.89	2.57	5.25	17.71
Boll Buggy	6R-30(355)	MFWD 190	30,500	200	10	0.218	2.72	7.04	1.66	1.09	12.52	3.25	6.65	22.43
Boll Buggy	6R-38(355)	MFWD 190	30,500	200	10	0.172	2.15	5.56	1.31	0.86	9.89	2.57	5.25	17.71
Boll Buggy-Stripper	13' Bcast	MFWD 150	30,500	200	10	0.251	3.14	6.41	1.92	1.07	12.56	3.75	6.26	22.58
Boll Buggy-Stripper	16' Bcast	MFWD 150	30,500	200	10	0.204	2.55	5.21	1.56	0.87	10.20	3.05	5.09	18.35
Boll Buggy-Stripper	19' Bcast	MFWD 150	30,500	200	10	0.172	2.15	4.39	1.31	0.73	8.59	2.57	4.28	15.45
Boll Buggy-Stripper	4R-30 2x1	MFWD 150	30,500	200	10	0.218	2.72	5.56	1.66	0.93	10.88	3.25	5.43	19.57
Boll Buggy-Stripper	4R-36	MFWD 150	30,500	200	10	0.272	3.41	6.95	2.08	1.16	13.60	4.07	6.78	24.47
Boll Buggy-Stripper	4R-38	MFWD 150	30,500	200	10	0.257	3.22	6.56	1.96	1.10	12.85	3.84	6.41	23.12
Boll Buggy-Stripper	4R-38 2x1	MFWD 150	30,500	200	10	0.172	2.15	4.39	1.31	0.73	8.59	2.57	4.28	15.45
Boll Buggy-Stripper	5R-30	MFWD 150	30,500	200	10	0.261	3.27	6.67	1.99	1.12	13.06	3.90	6.51	23.49
Boll Buggy-Stripper	5R-38	MFWD 150	30,500	200	10	0.207	2.59	5.27	1.57	0.88	10.33	3.09	5.15	18.58
Boll Buggy-Stripper	6R-30	MFWD 150	30,500	200	10	0.218	2.72	5.56	1.66	0.93	10.88	3.25	5.43	19.57
Boll Buggy-Stripper	6R-38	MFWD 150	30,500	200	10	0.172	2.15	4.39	1.31	0.73	8.59	2.57	4.28	15.45
Boll Buggy-Stripper	8R-30	MFWD 150	30,500	200	10	0.163	2.04	4.17	1.24	0.70	8.16	2.44	4.07	14.68
Boll Buggy-Stripper	8R-36/38	MFWD 150	30,500	200	10	0.129	1.61	3.29	0.98	0.55	6.45	1.93	3.21	11.60
Chisel Plow-Folding	16'	2WD 130	22,500	150	12	0.115	1.44	2.55	0.93	0.34	5.27	1.56	2.00	8.84
Chisel Plow-Folding	24'	MFWD 190	34,800	150	12	0.076	0.95	2.46	0.96	0.38	4.76	1.60	2.33	8.69
Chisel Plow-Folding	32'	MFWD 225	38,400	150	12	0.057	0.72	2.20	0.80	0.39	4.12	1.33	2.39	7.85
Chisel Plow-Folding	42'	MFWD 225	47,000	150	12	0.044	0.55	1.68	0.74	0.29	3.27	1.24	1.82	6.35

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2014 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Chisel Plow-Folding	50'	MFWD 225	69,700	150	10	0.036	0.46	1.41	1.11	0.25	3.24	1.75	1.53	6.53
Chisel Plow-Folding	61'	MFWD 225	77,200	150	12	0.030	0.37	1.15	0.84	0.20	2.58	1.40	1.25	5.25
Chisel Plow-Rigid	10'	MFWD 170	7,790	150	12	0.184	2.31	5.33	0.52	0.85	9.02	0.86	5.21	15.10
Chisel Plow-Rigid	15'	2WD 130	11,200	150	12	0.123	1.54	2.72	0.49	0.36	5.12	0.83	2.13	8.09
Chisel Plow-Rigid	20'	MFWD 225	9,900	150	12	0.102	1.28	3.92	0.36	0.69	6.27	0.61	4.26	11.15
Chisel Plow-Rigid	24'	MFWD 190	10,000	150	12	0.077	0.96	2.48	0.27	0.38	4.11	0.46	2.34	6.92
Chisel-Harrow	21 shank	2WD 190	12,100	150	12	0.088	1.10	2.84	0.38	0.30	4.62	0.64	1.84	7.11
Chisel-Harrow	27 shank	MFWD 225	13,600	150	12	0.068	0.85	2.61	0.33	0.46	4.27	0.56	2.84	7.67
Coulter-Chisel-Harro	21 shank	2WD 190	18,800	150	12	0.088	1.10	2.84	0.59	0.30	4.84	0.99	1.84	7.68
Coulter-Chisel-Harro	27 shank	MFWD 225	23,500	150	12	0.068	0.85	2.61	0.58	0.46	4.52	0.96	2.84	8.33
Cult & PD Ridge Till	8R-30	2WD 150	30,500	200	12	0.110	1.87	2.80	1.60	0.44	6.73	1.56	2.59	10.89
Cult & PD Ridge Till	12R-30	2WD 190	43,200	200	12	0.073	1.24	2.36	1.51	0.25	5.38	1.48	1.53	8.40
Cultivate	4R-30	2WD 105	11,200	150	10	0.206	2.57	3.67	0.61	0.40	7.27	1.57	2.32	11.16
Cultivate	4R-38	2WD 105	10,900	150	10	0.162	2.03	2.89	0.47	0.25	5.65	1.20	1.48	8.33
Cultivate	6R-30	MFWD 150	16,300	150	10	0.137	1.71	3.50	0.59	0.58	6.40	1.52	3.42	11.35
Cultivate	6R-38	MFWD 150	16,600	150	10	0.108	1.35	2.76	0.48	0.46	5.06	1.22	2.70	8.99
Cultivate	8R-30	MFWD 190	20,100	150	10	0.103	1.28	3.32	0.55	0.51	5.68	1.40	3.14	10.23
Cultivate	8R-38	MFWD 190	20,500	150	10	0.073	0.92	2.37	0.40	0.36	4.06	1.02	2.24	7.34
Cultivate	8R-38 2x1	MFWD 190	31,100	150	10	0.054	0.67	1.75	0.45	0.27	3.15	1.14	1.65	5.95
Cultivate	10R-30	MFWD 225	27,400	150	10	0.082	1.03	3.15	0.60	0.56	5.34	1.53	3.42	10.31
Cultivate	12R-30	MFWD 225	36,200	150	10	0.068	0.85	2.62	0.66	0.46	4.61	1.69	2.85	9.16
Cultivate	12R-38	MFWD 225	38,200	150	10	0.054	0.67	2.07	0.55	0.36	3.67	1.40	2.25	7.33
Cultivate	16R-30	MFWD 225	43,500	150	10	0.051	0.64	1.97	0.59	0.35	3.56	1.52	2.14	7.23
Cultivate & Post	4R-30	2WD 105	16,600	150	10	0.220	3.74	3.92	0.97	0.34	8.98	2.48	2.00	13.47
Cultivate & Post	4R-38	2WD 105	16,400	150	10	0.173	2.95	3.08	0.75	0.27	7.06	1.93	1.57	10.57
Cultivate & Post	6R-30	MFWD 150	21,800	150	10	0.146	2.49	3.73	0.85	0.62	7.71	2.17	3.64	13.53
Cultivate & Post	6R-38	MFWD 150	22,100	150	10	0.115	1.97	2.95	0.68	0.49	6.10	1.73	2.88	10.72
Cultivate & Post	8R-30	MFWD 190	25,600	150	10	0.110	1.87	3.55	0.75	0.55	6.72	1.91	3.35	11.99
Cultivate & Post	8R-38	MFWD 190	26,000	150	10	0.086	1.48	2.80	0.60	0.43	5.32	1.53	2.65	9.51
Cultivate & Post	8R-38 2x1	MFWD 190	38,400	150	10	0.057	0.98	1.86	0.59	0.28	3.73	1.51	1.76	7.01
Cultivate & Post	10R-30	MFWD 225	32,800	150	10	0.088	1.49	3.36	0.76	0.59	6.23	1.96	3.65	11.84
Cultivate & Post	12R-30	MFWD 225	41,700	150	10	0.073	1.24	2.80	0.81	0.49	5.36	2.07	3.04	10.49
Cultivate & Post	12R-38	MFWD 225	45,400	150	10	0.057	0.98	2.21	0.70	0.39	4.29	1.78	2.40	8.48
Cultivate & Post	16R-30	MFWD 225	50,700	150	10	0.055	0.93	2.10	0.74	0.37	4.15	1.89	2.28	8.33
Cultivate Ridge Till	8R-30	2WD 170	25,000	200	12	0.103	1.28	2.97	1.23	0.38	5.88	1.20	2.33	9.42
Cultivate Ridge Till	12R-30	2WD 190	37,700	200	12	0.068	0.85	2.21	1.24	0.23	4.55	1.21	1.44	7.20
Disk & Incorporate	14'	2WD 130	27,600	200	10	0.149	2.54	3.30	1.23	0.44	7.53	2.10	2.59	12.23
Disk & Incorporate	20'	MFWD 190	39,800	180	10	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Disk & Incorporate	24'	MFWD 190	41,400	200	10	0.087	1.48	2.81	1.08	0.43	5.82	1.84	2.66	10.32
Disk & Incorporate	28'	MFWD 225	47,600	200	10	0.074	1.27	2.85	1.06	0.50	5.71	1.81	3.10	10.63
Disk & Incorporate	32'	MFWD 225	54,100	200	10	0.065	1.11	2.50	1.06	0.44	5.12	1.80	2.71	9.65
Disk Harrow	14'	2WD 130	22,100	180	10	0.140	1.75	3.09	0.86	0.41	6.13	1.75	2.43	10.31
Disk Harrow	20'	MFWD 190	34,300	180	10	0.098	1.22	3.16	0.93	0.49	5.82	1.90	2.99	10.72
Disk Harrow	24'	MFWD 190	35,900	180	10	0.081	1.02	2.64	0.81	0.40	4.89	1.66	2.49	9.04
Disk Harrow	28'	MFWD 225	42,200	180	10	0.070	0.87	2.68	0.82	0.47	4.85	1.67	2.91	9.44
Disk Harrow	32'	MFWD 225	46,900	180	10	0.061	0.76	2.34	0.79	0.41	4.33	1.63	2.54	8.51
Disk Harrow	42'	MFWD 225	92,500	180	10	0.046	0.58	1.78	1.20	0.31	3.89	2.45	1.94	8.28
Disk Harrow 40-100hp	14'	2WD 75	15,700	180	10	0.140	1.75	1.78	0.61	0.14	4.29	1.24	0.82	6.36
Disk Heavy	14'	MFWD 150	22,100	180	10	0.145	1.82	3.71	0.89	0.62	7.06	1.82	3.63	12.52
Disk Heavy	20'	MFWD 170	34,300	180	10	0.097	1.21	2.80	0.92	0.45	5.40	1.89	2.74	10.03
Disk Heavy	28'	MFWD 190	42,200	180	10	0.075	0.94	2.44	0.88	0.37	4.65	1.80	2.30	8.76
Disk Ripper	15'	MFWD 225	45,400	180	10	0.136	1.70	5.20	1.71	0.92	9.55	3.50	5.65	18.71
Ditcher	2WD 130		4,860	200	10	0.020	0.25	0.44	0.03	0.05	0.79	0.04	0.34	1.18
Ditcher (1m/160a)	2WD 130		4,860	200	10	0.009	0.11	0.20	0.01	0.02	0.37	0.02	0.16	0.55
Fert Appl (Liquid)	4R-38	MFWD 150	13,100	150	8	0.154	2.63	3.94	1.35	0.66	8.58	1.47	3.84	13.90
Fert Appl (Liquid)	6R-30	MFWD 170	14,300	150	8	0.130	2.23	3.78	1.24	0.60	7.86	1.36	3.69	12.91
Fert Appl (Liquid)	6R-38	MFWD 170	14,200	150	8	0.103	1.76	2.98	0.97	0.47	6.20	1.06	2.91	10.18
Fert Appl (Liquid)	8R-30	MFWD 190	15,100	150	8	0.098	1.67	3.16	0.98	0.49	6.32	1.07	2.99	10.39
Fert Appl (Liquid)	8R-38	MFWD 190	15,800	150	8	0.077	1.32	2.50	0.81	0.38	5.03	0.89	2.36	8.29
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	17,400	150	8	0.051	0.88	1.66	0.59	0.25	3.40	0.65	1.57	5.63
Fert Appl (Liquid)	10R-30	MFWD 225	17,700	150	8	0.078	1.33	3.00	0.92	0.53	5.80	1.01	3.26	10.07
Fert Appl (Liquid)	10R-38	MFWD 225	17,700	150	8	0.061	1.05	2.36	0.73	0.42	4.57	0.79	2.57	7.94
Fert Appl (Liquid)	12R-30	MFWD 225	18,200	150	8	0.078	1.33	3.00	0.95	0.53	5.82	1.03	3.26	10.13
Fert Appl (Liquid)	12R-38	MFWD 225	17,400	150	8	0.051	0.88	1.97	0.59	0.35	3.80	0.65	2.14	6.60
Field Cult & Inc	42'	MFWD 225	58,700	100	10	0.037	0.64	1.44	0.55	0.25	2.89	2.26	1.56	6.72
Field Cult & Inc	50'	MFWD 225	68,700	100	10	0.031	0.54	1.21	0.54	0.21	2.51	2.22	1.31	6.05
Field Cult & Inc Fld	24'	MFWD 170	31,500	100	10	0.066	1.12	1.90	0.52	0.30	3.86	2.12	1.86	7.84
Field Cult & Inc Fld	32'	MFWD 190	45,000	100	10	0.049	0.84	1.60	0.55	0.24	3.25	2.27	1.51	7.03
Field Cult & Inc Rdg	12'	2WD 150	16,600	100	10	0.132	2.25	3.36	0.54	0.53	6.70	2.23	3.12	12.06
Field Cultivate Fld	24'	MFWD 170	26,000	100	10	0.062	0.77	1.79	0.40	0.28	3.26	1.64	1.75	6.67
Field Cultivate Fld	32'	MFWD 190	39,500	100	10	0.046	0.58	1.50	0.46	0.23	2.78	1.87	1.42	6.08
Field Cultivate Fld	42'	MFWD 225	51,500	100	10	0.035	0.44	1.35	0.45	0.24	2.50	1.86	1.47	5.84
Field Cultivate Fld	50'	MFWD 225	61,300	100	10	0.029	0.37	1.14	0.45	0.20	2.17	1.86	1.24	5.28
Field Cultivate Rdg	12'	2WD 150	11,100	100	10	0.124	1.55	3.17	0.34	0.50	5.57	1.40	2.93	9.92
Grain Cart Corn	500 bu	MFWD 190	23,700	200	12	0.031	0.39	1.03	0.20	0.15	1.79	0.34	0.97	3.10
Grain Cart Corn	700 bu	MFWD 190	34,000	200	12	0.025	0.31	0.80	0.23	0.12	1.47	0.38	0.76	2.62
Grain Cart Corn	1000 bu	MFWD 225	43,700	200	12	0.025	0.31	0.95	0.29	0.17	1.73	0.49	1.03	3.26
Grain Cart Rice	500 bu	MFWD 190	23,700	200	12	0.062	0.78	2.01	0.40	0.31	3.51	0.66	1.90	6.08
Grain Cart Rice	700 bu	MFWD 190	34,000	200	12	0.055	0.68	1.77	0.50	0.27	3.24	0.84	1.67	5.76
Grain Cart Rice	1000 bu	MFWD 190	43,700	200	12	0.045	0.57	1.47	0.54	0.22	2.82	0.90	1.39	5.12

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2014 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M--- Imp. P.U.		Total Direct	--Fixed-- Imp. P.U.		Total Cost	
			dollars	hours	years	hr/ac	-----\$/acre-----								
Grain Cart Soybean	500 bu	MFWD 190	23,700	200	12	0.025	0.31	0.82	0.16	0.12	1.43	0.27	0.77	2.48	
Grain Cart Soybean	700 bu	MFWD 190	34,000	200	12	0.021	0.26	0.68	0.19	0.10	1.25	0.32	0.64	2.22	
Grain Cart Soybean	1000 bu	MFWD 190	43,700	200	12	0.021	0.26	0.68	0.25	0.10	1.30	0.41	0.64	2.37	
Grain Cart Wht/Sor	500 bu	MFWD 190	23,700	200	12	0.025	0.31	0.82	0.16	0.12	1.43	0.27	0.77	2.48	
Grain Cart Wht/Sor	700 bu	MFWD 190	34,000	200	12	0.021	0.26	0.68	0.19	0.10	1.25	0.32	0.64	2.22	
Grain Cart Wht/Sor	1000 bu	MFWD 190	43,700	200	12	0.021	0.26	0.68	0.25	0.10	1.30	0.41	0.64	2.37	
Grain Drill	8'	2WD 130	19,700	150	8	0.235	5.08	5.20	1.74	0.70	12.73	3.20	4.08	20.02	
Grain Drill	10'	2WD 130	23,600	150	8	0.188	4.06	4.16	1.66	0.56	10.46	3.07	3.26	16.80	
Grain Drill	12'	2WD 130	22,000	150	8	0.157	3.38	3.46	1.29	0.46	8.62	2.38	2.72	13.73	
Grain Drill	15'	MFWD 150	28,300	150	8	0.125	2.71	3.20	1.33	0.53	7.78	2.45	3.12	13.37	
Grain Drill	20'	MFWD 170	35,500	150	8	0.094	2.03	2.72	1.25	0.43	6.44	2.31	2.65	11.41	
Grain Drill	24'	MFWD 190	54,000	150	8	0.078	1.69	2.53	1.59	0.39	6.21	2.93	2.39	11.53	
Grain Drill	30'	MFWD 225	58,600	150	8	0.062	1.35	2.40	1.38	0.42	5.56	2.54	2.61	10.72	
Grain Drill	35'	MFWD 225	80,200	150	8	0.053	1.16	2.05	1.62	0.36	5.20	2.98	2.23	10.43	
Grain Drill & Pre	8'	2WD 130	25,200	150	8	0.253	5.47	5.60	2.39	0.75	14.23	4.41	4.39	23.05	
Grain Drill & Pre	10'	2WD 130	29,100	150	8	0.203	4.37	4.48	2.21	0.60	11.68	4.08	3.51	19.28	
Grain Drill & Pre	12'	2WD 130	27,500	150	8	0.169	3.64	3.73	1.74	0.50	9.63	3.21	2.93	15.78	
Grain Drill & Pre	15'	MFWD 150	33,800	150	8	0.135	2.91	3.44	1.71	0.57	8.66	3.16	3.36	15.19	
Grain Drill & Pre	20'	MFWD 170	41,000	150	8	0.101	2.18	2.93	1.56	0.46	7.15	2.87	2.86	12.89	
Grain Drill & Pre	24'	MFWD 190	59,500	150	8	0.084	1.82	2.73	1.88	0.42	6.86	3.47	2.57	12.92	
Grain Drill & Pre	30'	MFWD 225	64,100	150	8	0.067	1.45	2.58	1.62	0.46	6.13	2.99	2.81	11.94	
Grain Drill & Pre	35'	MFWD 225	85,700	150	8	0.058	1.25	2.21	1.86	0.39	5.72	3.43	2.40	11.57	
Grain Drill & Pre T	8R-38	MFWD 225	44,000	150	8	0.062	1.35	2.40	1.03	0.42	5.22	1.91	2.61	9.74	
Harrow - Rigid	21'	2WD 150	5,400	200	10	0.073	0.92	1.88	0.13	0.30	3.24	0.20	1.74	5.19	
Harrow - Folding	16'	MFWD 190	5,000	200	10	0.097	1.21	3.13	0.16	0.48	5.00	0.24	2.95	8.20	
Harrow - Folding	24'	MFWD 190	12,100	200	10	0.064	0.80	2.08	0.27	0.32	3.49	0.39	1.97	5.86	
Harrow - Folding	30'	MFWD 190	13,600	200	10	0.051	0.64	1.67	0.24	0.25	2.82	0.35	1.57	4.75	
Harrow - Folding	40'	MFWD 190	16,700	200	10	0.038	0.48	1.25	0.22	0.19	2.15	0.33	1.18	3.67	
Harrow - Folding	48'	MFWD 225	21,000	200	10	0.032	0.40	1.23	0.23	0.22	2.09	0.34	1.34	3.78	
Harrow - Rigid	13'	2WD 130	3,780	200	10	0.119	1.49	2.63	0.15	0.35	4.64	0.23	2.06	6.94	
Header - Corn	6R-30	265 hp	42,300	300	8	0.170	2.12	7.66	1.80	4.86	16.45	2.61	18.60	37.67	
Header - Corn	6R-38	265 hp	43,500	300	8	0.134	1.68	6.05	1.46	3.83	13.03	2.12	14.68	29.84	
Header - Corn	8R-30	265 hp	54,700	300	8	0.127	1.59	5.74	1.74	3.64	12.73	2.53	13.95	29.22	
Header - Corn	8R-38	325 hp	56,300	300	8	0.100	1.26	5.57	1.42	3.29	11.54	2.06	12.60	26.21	
Header - Corn	12R-20	325 hp	76,200	300	8	0.127	1.59	7.05	2.43	4.16	15.24	3.53	15.93	34.71	
Header - Corn	12R-30	325 hp	85,800	300	8	0.085	1.06	4.70	1.82	2.77	10.36	2.65	10.62	23.64	
Header - Draper (CL)	25' Rigid	265 hp	52,000	300	8	0.203	2.53	9.14	2.42	5.79	19.89	3.64	22.18	45.73	
Header - Draper (CL)	30' Rigid	325 hp	56,300	300	8	0.169	2.11	9.34	2.18	5.51	19.15	3.29	21.12	43.57	
Header - Draper (CL)	36' Rigid	355 hp	61,600	300	8	0.141	1.76	8.50	1.99	5.05	17.31	3.00	19.34	39.65	
Header - Draper (SL)	25' Rigid	325 hp	52,000	300	8	0.176	2.20	9.71	2.09	5.73	19.75	3.16	21.96	44.88	
Header - Draper (SL)	30' Rigid	325 hp	56,300	300	8	0.146	1.83	8.09	1.89	4.78	16.60	2.85	18.30	37.76	
Header - Draper (SL)	36' Rigid	355 hp	61,600	300	8	0.122	1.52	7.36	1.72	4.37	15.00	2.60	16.76	34.36	
Header - Rice (CL)	25' Rigid	325 hp	51,600	300	8	0.253	3.17	14.01	3.27	8.27	28.73	4.75	31.68	65.18	
Header - Rice (CL)	30' Rigid	325 hp	59,000	300	8	0.211	2.64	11.67	3.12	6.89	24.34	4.53	26.40	55.27	
Header - Rice (SL)	25' Rigid	325 hp	51,600	300	8	0.220	2.75	12.14	2.83	7.17	24.90	4.12	27.45	56.48	
Header - Rice (SL)	30' Rigid	325 hp	59,000	300	8	0.183	2.29	10.12	2.70	5.97	21.09	3.92	22.88	47.90	
Header -RiceStrp(CL)	20'	265 hp	46,300	300	8	0.253	3.17	11.42	2.93	7.24	24.78	4.26	27.73	56.78	
Header -RiceStrp(CL)	24'	325 hp	50,800	300	8	0.211	2.64	11.67	2.68	6.89	23.90	3.90	26.40	54.21	
Header -RiceStrp(CL)	32'	325 hp	56,000	300	8	0.158	1.98	8.75	2.22	5.17	18.13	3.22	19.80	41.16	
Header -RiceStrp(SL)	20'	265 hp	46,300	300	8	0.220	2.75	9.90	2.54	6.27	21.47	3.69	24.03	49.21	
Header -RiceStrp(SL)	24'	325 hp	50,800	300	8	0.183	2.29	10.12	2.32	5.97	20.71	3.38	22.88	46.98	
Header -RiceStrp(SL)	32'	325 hp	56,000	300	8	0.137	1.71	7.59	1.92	4.48	15.71	2.79	17.16	35.67	
Header -Soybean	22' Flex	265 hp	28,900	300	8	0.116	1.45	5.22	0.83	3.31	10.82	1.21	12.68	24.73	
Header -Soybean	25' Flex	325 hp	31,300	300	8	0.102	1.27	5.64	0.79	3.33	11.04	1.16	12.75	24.96	
Header -Soybean	30' Flex	325 hp	27,900	300	8	0.085	1.06	4.70	0.59	2.77	9.13	0.86	10.62	20.62	
Header -Soybean	35' Flex	355 hp	41,200	300	8	0.072	0.91	4.40	0.75	2.61	8.67	1.09	10.01	19.78	
Header Wheat/Sorghum	22' Rigid	265 hp	23,100	300	8	0.116	1.45	5.22	0.67	3.31	10.66	0.97	12.68	24.32	
Header Wheat/Sorghum	25' Rigid	325 hp	27,000	300	8	0.102	1.27	5.64	0.68	3.33	10.93	1.00	12.75	24.69	
Header Wheat/Sorghum	30' Rigid	325 hp	30,000	300	8	0.085	1.06	4.70	0.63	2.77	9.17	0.92	10.62	20.73	
Header-Cotton Bcast	13'	173 hp	19,400	200	8	0.251	5.42	6.71	0.91	6.53	19.59	2.66	25.00	47.25	
Header-Cotton-Bcast	16'	173 hp	21,600	200	8	0.204	4.41	5.45	0.82	5.30	16.00	2.40	20.31	38.72	
Header-Cotton-Bcast	19'	173 hp	23,900	200	8	0.172	3.71	4.59	0.77	4.46	13.55	2.24	17.10	32.90	
Header-Cotton-Brush	4R-30 2x1	173 hp	33,400	200	8	0.218	4.70	5.81	1.36	5.66	17.55	3.97	21.67	43.19	
Header-Cotton-Brush	4R-36	173 hp	33,300	200	8	0.272	5.88	7.27	1.70	7.07	21.93	4.94	27.08	53.97	
Header-Cotton-Brush	4R-38	173 hp	33,300	200	8	0.257	5.55	6.87	1.60	6.68	20.72	4.67	25.59	50.99	
Header-Cotton-Brush	4R-38 2x1	173 hp	35,200	200	8	0.172	3.71	4.59	1.13	4.46	13.91	3.30	17.10	34.32	
Header-Cotton-Brush	5R-30	173 hp	41,900	200	8	0.261	5.64	6.98	2.05	6.79	21.48	5.97	26.00	53.46	
Header-Cotton-Brush	5R-38	173 hp	43,300	200	8	0.207	4.46	5.52	1.68	5.37	17.04	4.88	20.57	42.50	
Header-Cotton-Brush	6R-30	173 hp	51,500	200	8	0.218	4.70	5.81	2.10	5.66	18.29	6.12	21.67	46.08	
Header-Cotton-Brush	6R-38	173 hp	53,100	200	8	0.172	3.71	4.59	1.71	4.46	14.49	4.98	17.10	36.58	
Header-Cotton-Brush	8R-30	173 hp	71,100	200	8	0.163	3.52	4.36	2.18	4.24	14.32	6.34	16.25	36.91	
Header-Cotton-Brush	8R-36/38	173 hp	72,600	200	8	0.129	2.78	3.45	1.76	3.35	11.35	5.11	12.84	29.32	
Land Plane	50'x16'	MFWD 190	12,000	200	10	0.151	1.89	4.89	0.36	0.75	7.91	0.92	4.62	13.46	
Levee Pull & Seed	8 Blade	MFWD 170	10,200	100	10	0.003	0.04	0.10	0.00	0.01	0.17	0.03	0.10	0.30	
Levee Pull (1m/80a)	8 blade	MFWD 170	7,120	100	10	0.003	0.04	0.10	0.00	0.01	0.16	0.02	0.10	0.29	
Levee Splitter (1/80)	32"	MFWD 150	3,280	100	10	0.004	0.05	0.10	0.00	0.01	0.17	0.01	0.10	0.29	
Module Builder	4R-30(350)	MFWD 190	33,500	200	10	0.327	7.05	10.56	2.74	1.63	22.00	5.36	9.97	37.34	
Module Builder	4R-38(255)	MFWD 190	33,500	200	10	0.257	5.55	8.31	2.15	1.28	17.32	4.22	7.85	29.40	
Module Builder	4R-38(350)	MFWD 190	33,500	200	10	0.257	5.55	8.31	2.15	1.28	17.32	4.22	7.85	29.40	

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2014 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Module Builder	4R2x1(350)	MFWD 190	33,500	200	10	0.172	3.71	5.56	1.44	0.86	11.58	2.82	5.25	19.65
Module Builder	6R-30(355)	MFWD 190	33,500	200	10	0.218	4.70	7.04	1.82	1.09	14.66	3.57	6.65	24.89
Module Builder	6R-38(355)	MFWD 190	33,500	200	10	0.172	3.71	5.56	1.44	0.86	11.58	2.82	5.25	19.65
Module Builder-Strip	13' Bcast	MFWD 150	33,500	200	10	0.251	5.42	6.41	2.10	1.07	15.03	4.12	6.26	25.42
Module Builder-Strip	16' Bcast	MFWD 150	33,500	200	10	0.204	4.41	5.21	1.71	0.87	12.21	3.35	5.09	20.66
Module Builder-Strip	19' Bcast	MFWD 150	33,500	200	10	0.172	3.71	4.39	1.44	0.73	10.28	2.82	4.28	17.39
Module Builder-Strip	4R-30 2x1	MFWD 150	3,300	200	10	0.218	4.70	5.56	0.18	0.93	11.38	0.35	5.43	17.16
Module Builder-Strip	4R-36	MFWD 150	3,300	200	10	0.272	5.88	6.95	0.22	1.16	14.22	0.44	6.78	21.45
Module Builder-Strip	4R-38	MFWD 150	33,500	200	10	0.257	5.55	6.56	2.15	1.10	15.38	4.22	6.41	26.02
Module Builder-Strip	4R-38 2x1	MFWD 150	33,500	200	10	0.172	3.71	4.39	1.44	0.73	10.28	2.82	4.28	17.39
Module Builder-Strip	5R-30	MFWD 150	33,500	200	10	0.261	5.64	6.67	2.19	1.12	15.63	4.29	6.51	26.44
Module Builder-Strip	5R-38	MFWD 150	33,500	200	10	0.207	4.46	5.27	1.73	0.88	12.36	3.39	5.15	20.92
Module Builder-Strip	6R-30	MFWD 150	33,500	200	10	0.218	4.70	5.56	1.82	0.93	13.02	3.57	5.43	22.03
Module Builder-Strip	6R-38	MFWD 190	33,500	200	10	0.172	3.71	5.56	1.44	0.86	11.58	2.82	5.25	19.65
Module Builder-Strip	8R-36/38	MFWD 190	33,500	200	10	0.129	2.78	4.17	1.08	0.64	8.69	2.12	3.94	14.76
NT Grain Drill	6'	MFWD 170	21,100	150	8	0.327	7.05	9.45	2.59	1.51	20.61	4.77	9.22	34.61
NT Grain Drill	10'	2WD 130	33,300	150	8	0.235	5.08	5.20	2.94	0.70	13.93	5.42	4.08	23.43
NT Grain Drill	12'	2WD 130	34,000	150	8	0.163	3.52	3.61	2.08	0.48	9.71	3.84	2.83	16.39
NT Grain Drill	15'	MFWD 150	45,000	150	8	0.130	2.82	3.33	2.20	0.56	8.93	4.07	3.25	16.25
NT Grain Drill	20'	MFWD 170	62,600	150	8	0.098	2.11	2.83	2.30	0.45	7.71	4.24	2.76	14.72
NT Grain Drill	24'	MFWD 190	77,000	150	8	0.081	1.76	2.64	2.36	0.40	7.17	4.35	2.49	14.02
NT Grain Drill	30'	MFWD 225	88,000	150	8	0.065	1.41	2.50	2.16	0.44	6.52	3.98	2.71	13.22
NT Grain Drill & Pre	6'	MFWD 170	26,600	150	8	0.352	7.60	10.18	3.51	1.63	22.92	6.47	9.93	39.34
NT Grain Drill & Pre	10'	2WD 130	38,800	150	8	0.211	4.56	4.67	3.07	0.63	12.94	5.67	3.66	22.27
NT Grain Drill & Pre	12'	2WD 130	39,500	150	8	0.176	3.80	3.89	2.61	0.52	10.82	4.81	3.05	18.69
NT Grain Drill & Pre	15'	MFWD 150	50,500	150	8	0.141	3.04	3.59	2.67	0.60	9.90	4.92	3.50	18.33
NT Grain Drill & Pre	20'	MFWD 170	68,100	150	8	0.105	2.28	3.05	2.70	0.48	8.52	4.97	2.98	16.48
NT Grain Drill & Pre	24'	MFWD 190	82,500	150	8	0.088	1.90	2.84	2.72	0.44	7.91	5.02	2.68	15.62
NT Grain Drill & Pre	30'	MFWD 225	93,400	150	8	0.070	1.52	2.69	2.46	0.48	7.16	4.55	2.92	14.64
NT Plant&Pre-Folding	8R-38	MFWD 170	45,200	150	8	0.083	1.80	2.41	1.41	0.38	6.02	2.61	2.35	10.98
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	74,800	150	8	0.055	1.20	1.60	1.56	0.25	4.62	2.87	1.56	9.07
NT Plant&Pre-Folding	12R-20	MFWD 190	68,100	150	8	0.105	2.28	3.41	2.70	0.52	8.92	4.97	3.22	17.12
NT Plant&Pre-Folding	12R-30	MFWD 190	67,500	150	8	0.070	1.52	2.27	1.78	0.35	5.93	3.28	2.14	11.37
NT Plant&Pre-Folding	12R-38	MFWD 190	74,800	150	8	0.055	1.20	1.79	1.56	0.27	4.83	2.87	1.69	9.41
NT Plant&Pre-Folding	16R-30	MFWD 190	96,000	150	8	0.052	1.14	1.70	1.90	0.26	5.01	3.50	1.61	10.13
NT Plant&Pre-Folding	23R-15	MFWD 190	123,000	150	8	0.073	1.58	2.37	3.38	0.36	7.70	6.24	2.23	16.18
NT Plant&Pre-Folding	24R-15	MFWD 225	127,000	150	8	0.070	1.52	2.69	3.35	0.48	8.05	6.18	2.92	17.16
NT Plant&Pre-Folding	24R-20	MFWD 190	140,000	150	8	0.052	1.14	1.70	2.77	0.26	5.88	5.11	1.61	12.61
NT Plant&Pre-Folding	24R-30	MFWD 190	161,000	150	8	0.035	0.76	1.13	2.12	0.17	4.20	3.92	1.07	9.20
NT Plant&Pre-Folding	31R-15	MFWD 225	145,000	150	8	0.054	1.17	2.08	2.97	0.37	6.61	5.47	2.26	14.35
NT Plant&Pre-Folding	32R-15	MFWD 225	158,000	150	8	0.052	1.14	2.02	3.13	0.36	6.65	5.77	2.19	14.62
NT Plant&Pre-Folding	36R-20	MFWD 225	176,000	150	8	0.035	0.76	1.34	2.32	0.24	4.67	4.28	1.46	10.42
NT Plant&Pre-Rigid	4R-30	2WD 130	26,300	150	8	0.211	4.56	4.67	2.08	0.63	11.94	3.84	3.66	19.45
NT Plant&Pre-Rigid	4R-38	2WD 130	27,700	150	8	0.166	3.59	3.67	1.73	0.49	9.49	3.18	2.88	15.56
NT Plant&Pre-Rigid	6R-30	MFWD 150	34,400	150	8	0.141	3.04	3.59	1.81	0.60	9.05	3.35	3.50	15.91
NT Plant&Pre-Rigid	6R-38	MFWD 150	31,800	150	8	0.111	2.40	2.83	1.32	0.47	7.04	2.44	2.77	12.25
NT Plant&Pre-Rigid	8R-30	MFWD 170	39,800	150	8	0.105	2.28	3.05	1.57	0.48	7.40	2.90	2.98	13.29
NT Plant&Pre-Rigid	8R-38	MFWD 170	37,800	150	8	0.083	1.80	2.41	1.18	0.38	5.78	2.18	2.35	10.32
NT Plant&Pre-Rigid	10R-30	MFWD 190	44,300	150	8	0.084	1.82	2.73	1.40	0.42	6.38	2.58	2.57	11.55
NT Plant&Pre-Rigid	11R-15	MFWD 170	49,300	150	8	0.143	3.10	4.15	2.66	0.66	10.58	4.90	4.05	19.54
NT Plant&Pre-Rigid	11R-20	MFWD 170	43,300	150	8	0.115	2.49	3.33	1.87	0.53	8.24	3.45	3.25	14.95
NT Plant&Pre-Rigid	12R-20	MFWD 190	50,200	150	8	0.105	2.28	3.41	1.99	0.52	8.21	3.66	3.22	15.10
NT Plant&Pre-Rigid	12R-30	MFWD 190	61,900	150	8	0.070	1.52	2.27	1.63	0.35	5.78	3.01	2.14	10.94
NT Plant&Pre-Rigid	13R-18/20	MFWD 225	53,300	150	8	0.097	2.10	3.72	1.94	0.66	8.43	3.58	4.04	16.07
NT Plant&Pre-Rigid	15R-15	MFWD 190	60,500	150	8	0.113	2.43	3.65	2.56	0.56	9.22	4.72	3.44	17.39
NT Plant&Pre-TwinRow	12R-30/40	MFWD 225	133,000	150	8	0.055	1.20	2.12	2.77	0.37	6.48	5.11	2.31	13.91
NT Plant&Pre-TwinRow	8R-30/40	MFWD 225	112,000	150	8	0.083	1.80	3.19	3.51	0.56	9.07	6.46	3.47	19.02
NT Plant-Folding	8R-38	MFWD 170	39,800	150	8	0.077	1.67	2.24	1.15	0.35	5.43	2.13	2.18	9.75
NT Plant-Folding	8R-38 2x1	MFWD 170	67,600	150	8	0.051	1.11	1.49	1.31	0.23	4.15	2.41	1.45	8.02
NT Plant-Folding	12R-20	MFWD 190	62,600	150	8	0.098	2.11	3.16	2.30	0.49	8.08	4.24	2.99	15.32
NT Plant-Folding	12R-30	MFWD 190	62,000	150	8	0.065	1.41	2.11	1.52	0.32	5.37	2.80	1.99	10.17
NT Plant-Folding	12R-38	MFWD 190	67,600	150	8	0.051	1.11	1.66	1.31	0.25	4.35	2.41	1.57	8.34
NT Plant-Folding	16R-30	MFWD 190	88,800	150	8	0.049	1.05	1.58	1.63	0.24	4.52	3.01	1.49	9.03
NT Plant-Folding	23R-15	MFWD 190	118,000	150	8	0.068	1.47	2.20	3.01	0.34	7.03	5.56	2.07	14.66
NT Plant-Folding	24R-15	MFWD 225	121,000	150	8	0.065	1.41	2.50	2.97	0.44	7.33	5.47	2.71	15.52
NT Plant-Folding	24R-20	MFWD 190	132,000	150	8	0.049	1.05	1.58	2.43	0.24	5.32	4.47	1.49	11.29
NT Plant-Folding	24R-30	MFWD 190	151,000	150	8	0.032	0.70	1.05	1.85	0.16	3.78	3.41	0.99	8.19
NT Plant-Folding	31R-15	MFWD 225	136,000	150	8	0.050	1.09	1.93	2.58	0.34	5.96	4.76	2.10	12.84
NT Plant-Folding	32R-15	MFWD 225	148,000	150	8	0.049	1.05	1.87	2.72	0.33	5.99	5.02	2.03	13.05
NT Plant-Folding	36R-20	MFWD 225	165,000	150	8	0.032	0.70	1.25	2.02	0.22	4.20	3.73	1.35	9.29
NT Plant-Rigid	4R-30	2WD 130	20,800	150	8	0.196	4.23	4.33	1.53	0.58	10.69	2.82	3.40	16.91
NT Plant-Rigid	4R-38	2WD 130	22,300	150	8	0.154	3.33	3.41	1.29	0.46	8.50	2.38	2.67	13.56
NT Plant-Rigid	6R-30	MFWD 150	29,000	150	8	0.130	2.82	3.33	1.42	0.56	8.14	2.62	3.25	14.02
NT Plant-Rigid	6R-38	MFWD 150	26,300	150	8	0.103	2.22	2.63	1.01	0.44	6.32	1.87	2.57	10.77
NT Plant-Rigid	8R-30	MFWD 170	34,300	150	8	0.098	2.11	2.83	1.26	0.45	6.67	2.32	2.76	11.76
NT Plant-Rigid	8R-38	MFWD 170	32,300	150	8	0.077	1.67	2.24	0.94	0.35	5.21	1.73	2.18	9.13
NT Plant-Rigid	10R-30	MFWD 190	38,800	150	8	0.078	1.69	2.53	1.14	0.39	5.76	2.10	2.39	10.26
NT Plant-Rigid	11R-15	MFWD 170	43,800	150	8	0.133	2.88	3.85	2.19	0.61	9.55	4.04	3.76	17.36

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2014 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M--- Imp. P.U.	Total Direct	--Fixed-- Imp. P.U.	Total Cost		
			dollars	hours	years	hr/ac				\$/acre				
NT Plant-Rigid	11R-20	MFWD 170	38,000	150	8	0.107	2.31	3.09	1.52	0.49	7.43	2.81	3.02	13.28
NT Plant-Rigid	12R-20	MFWD 190	44,700	150	8	0.098	2.11	3.16	1.64	0.49	7.42	3.03	2.99	13.45
NT Plant-Rigid	12R-30	MFWD 190	53,400	150	8	0.065	1.41	2.11	1.31	0.32	5.16	2.41	1.99	9.57
NT Plant-Rigid	13R-18/20	MFWD 225	47,800	150	8	0.090	1.96	3.47	1.63	0.61	7.68	3.00	3.77	14.46
NT Plant-Rigid	15R-15	MFWD 190	53,300	150	8	0.105	2.26	3.38	2.09	0.52	8.27	3.86	3.20	15.34
NT Plant-TwinRow	12R-30/40	MFWD 225	126,000	150	8	0.051	1.11	1.97	2.44	0.35	5.88	4.49	2.14	12.53
NT Plant-TwinRow	8R-30/40	MFWD 225	106,000	150	8	0.077	1.67	2.96	3.08	0.52	8.25	5.68	3.22	17.16
One-Trip Prep	4R-38	MFWD 170	18,000	150	10	0.146	1.83	4.23	1.23	0.67	7.98	1.79	4.13	13.91
One-Trip Prep	6R-38	MFWD 190	21,600	150	10	0.097	1.21	3.14	0.98	0.48	5.82	1.42	2.96	10.21
One-Trip Prep	8R-38	MFWD 225	32,100	150	10	0.073	0.92	2.82	1.10	0.50	5.36	1.61	3.07	10.04
Peanut Cond. & Lifter	6-Row	MFWD 190	12,300	300	20	0.100	1.25	3.22	0.20	0.50	5.18	0.28	3.04	8.51
Peanut Conditioner	6-Row	MFWD 190	14,900	300	20	0.100	1.25	3.22	0.29	0.50	5.27	0.30	3.04	8.62
Peanut Dig/Invertor	4R-30	MFWD 190	25,800	300	15	0.235	2.94	7.61	1.51	1.17	13.25	1.74	7.18	22.18
Peanut Dig/Invertor	4R-38	MFWD 190	25,800	300	15	0.186	2.32	6.00	1.19	0.93	10.46	1.37	5.67	17.51
Peanut Dig/Invertor	6R-38	MFWD 190	37,700	300	15	0.124	1.55	4.00	0.82	0.62	6.99	1.33	3.78	12.11
Peanut Dump Cart	6-Row	MFWD 190	44,200	300	20	0.310	3.87	10.00	0.79	1.55	16.22	3.07	9.44	28.75
Peanut Harvester	4R-30	MFWD 225	117,000	300	20	0.849	10.62	32.48	5.63	5.79	54.53	20.20	35.29	110.03
Peanut Harvester	4R-38	MFWD 225	117,000	300	20	0.934	11.68	35.71	6.19	6.36	59.96	23.37	38.81	122.14
Peanut Harvester	6R-38	MFWD 225	134,000	300	20	0.625	7.81	23.88	4.04	4.25	40.00	17.90	25.95	83.86
Peanut Lifter	6-Row	MFWD 225	5,910	300	20	0.100	1.25	3.82	0.12	0.68	5.87	0.12	4.15	10.14
Peanut Plt&Pre Fold.	12R-38	MFWD 190	72,100	150	8	0.080	1.73	2.59	2.17	0.40	6.90	4.00	2.45	13.36
Peanut Plt&Pre Rigid	8R-30	MFWD 190	38,000	150	8	0.152	3.29	4.93	2.17	0.76	11.16	4.01	4.65	19.83
Peanut Plt&Pre Rigid	8R-38	MFWD 190	36,000	150	8	0.120	2.60	3.89	1.63	0.60	8.73	3.00	3.68	15.42
Pipe Spool 160ac	1/4m roll	2WD 130	3,380	15	12	0.003	0.09	0.06	0.00	0.00	0.17	0.06	0.05	0.29
Pipe Trailer 1m/160a	30'	2WD 130	1,330	100	15	0.003	0.18	0.08	0.00	0.01	0.27	0.00	0.06	0.34
Plant & Pre-Folding	8R-38	MFWD 170	43,500	150	8	0.080	1.73	2.31	1.30	0.37	5.72	2.41	2.26	10.40
Plant & Pre-Folding	8R-38 2x1	MFWD 170	72,100	150	8	0.053	1.15	1.54	1.44	0.24	4.38	2.66	1.50	8.55
Plant & Pre-Folding	12R-20	MFWD 190	65,400	150	8	0.101	2.18	3.27	2.49	0.50	8.46	4.58	3.09	16.14
Plant & Pre-Folding	12R-30	MFWD 190	64,800	150	8	0.067	1.45	2.18	1.64	0.33	5.62	3.03	2.06	10.72
Plant & Pre-Folding	12R-38	MFWD 190	72,100	150	8	0.053	1.15	1.72	1.44	0.26	4.58	2.66	1.62	8.87
Plant & Pre-Folding	16R-30	MFWD 190	92,400	150	8	0.050	1.09	1.63	1.75	0.25	4.74	3.24	1.54	9.53
Plant & Pre-Folding	23R-15	MFWD 190	118,000	150	8	0.070	1.52	2.27	3.12	0.35	7.26	5.74	2.14	15.16
Plant & Pre-Folding	24R-15	MFWD 225	121,000	150	8	0.067	1.45	2.58	3.07	0.46	7.57	5.65	2.81	16.04
Plant & Pre-Folding	24R-20	MFWD 190	134,000	150	8	0.050	1.09	1.63	2.55	0.25	5.53	4.70	1.54	11.78
Plant & Pre-Folding	24R-30	MFWD 190	156,000	150	8	0.033	0.72	1.09	1.98	0.16	3.97	3.64	1.03	8.65
Plant & Pre-Folding	31R-15	MFWD 225	138,000	150	8	0.052	1.13	2.00	2.71	0.35	6.20	5.00	2.17	13.39
Plant & Pre-Folding	32R-15	MFWD 225	151,000	150	8	0.050	1.09	1.94	2.87	0.34	6.25	5.29	2.10	13.66
Plant & Pre-Folding	36R-20	MFWD 225	167,000	150	8	0.033	0.72	1.29	2.11	0.23	4.37	3.90	1.40	9.68
Plant & Pre-Rigid	4R-30	2WD 130	25,400	150	8	0.203	4.37	4.48	1.93	0.60	11.40	3.56	3.51	18.48
Plant & Pre-Rigid	4R-38	2WD 130	26,800	150	8	0.159	3.44	3.53	1.60	0.47	9.06	2.96	2.77	14.79
Plant & Pre-Rigid	6R-30	MFWD 150	33,100	150	8	0.135	2.91	3.44	1.68	0.57	8.62	3.09	3.65	15.09
Plant & Pre-Rigid	6R-38	MFWD 150	30,400	150	8	0.106	2.30	2.72	1.21	0.45	6.70	2.24	2.65	11.60
Plant & Pre-Rigid	8R-30	MFWD 170	38,000	150	8	0.101	2.18	2.93	1.44	0.46	7.03	2.66	2.86	12.56
Plant & Pre-Rigid	8R-38	MFWD 170	36,000	150	8	0.080	1.73	2.31	1.08	0.37	5.50	1.99	2.26	9.76
Plant & Pre-Rigid	10R-30	MFWD 190	42,000	150	8	0.081	1.75	2.62	1.27	0.40	6.05	2.35	2.47	10.89
Plant & Pre-Rigid	11R-15	MFWD 170	46,800	150	8	0.148	3.19	4.28	2.60	0.68	10.76	4.79	4.17	19.73
Plant & Pre-Rigid	11R-20	MFWD 170	41,000	150	8	0.110	2.39	3.20	1.70	0.51	7.81	3.14	3.12	14.08
Plant & Pre-Rigid	12R-20	MFWD 190	47,500	150	8	0.101	2.18	3.27	1.80	0.50	7.78	3.33	3.09	14.20
Plant & Pre-Rigid	12R-30	MFWD 190	59,200	150	8	0.067	1.45	2.18	1.50	0.33	5.48	2.76	2.06	10.31
Plant & Pre-Rigid	13R-18/20	MFWD 225	50,400	150	8	0.093	2.01	3.57	1.76	0.63	8.00	3.25	3.88	15.14
Plant & Pre-Rigid	15R-15	MFWD 190	57,100	150	8	0.108	2.34	3.50	2.32	0.54	8.71	4.28	3.31	16.30
Plant & Pre-TwinRow	12R-30/40	MFWD 225	128,000	150	8	0.053	1.15	2.04	2.56	0.36	6.12	4.72	2.21	13.06
Plant & Pre-TwinRow	8R-30/40	MFWD 225	108,000	150	8	0.080	1.73	3.06	3.25	0.54	8.59	5.98	3.33	17.91
Plant - Folding	8R-38	MFWD 170	38,000	150	8	0.074	1.60	2.15	1.06	0.34	5.16	1.95	2.10	9.22
Plant - Folding	8R-38 2x1	MFWD 170	64,900	150	8	0.049	1.06	1.43	1.20	0.22	3.93	2.22	1.39	7.56
Plant - Folding	12R-20	MFWD 190	59,900	150	8	0.094	2.03	3.04	2.11	0.47	7.66	3.90	2.87	14.44
Plant - Folding	12R-30	MFWD 190	59,300	150	8	0.062	1.35	2.02	1.39	0.31	5.09	2.57	1.91	9.58
Plant - Folding	12R-38	MFWD 190	64,900	150	8	0.049	1.06	1.60	1.20	0.24	4.12	2.22	1.51	7.86
Plant - Folding	16R-30	MFWD 190	85,200	150	8	0.047	1.01	1.52	1.50	0.23	4.27	2.77	1.43	8.49
Plant - Folding	23R-15	MFWD 190	112,000	150	8	0.065	1.41	2.11	2.75	0.32	6.60	5.06	1.99	13.66
Plant - Folding	24R-15	MFWD 225	116,000	150	8	0.062	1.35	2.40	2.73	0.42	6.92	5.03	2.61	14.56
Plant - Folding	24R-20	MFWD 190	127,000	150	8	0.047	1.01	1.52	2.24	0.23	5.01	4.13	1.43	10.59
Plant - Folding	24R-30	MFWD 190	145,000	150	8	0.031	0.67	1.01	1.70	0.15	3.55	3.14	0.95	7.66
Plant - Folding	31R-15	MFWD 225	128,000	150	8	0.048	1.05	1.86	2.33	0.33	5.58	4.30	2.02	11.91
Plant - Folding	32R-15	MFWD 225	141,000	150	8	0.047	1.01	1.80	2.49	0.32	5.63	4.59	1.95	12.18
Plant - Folding	36R-20	MFWD 225	157,000	150	8	0.031	0.67	1.20	1.85	0.21	3.94	3.40	1.30	8.65
Plant - Rigid	4R-30	2WD 130	19,900	150	8	0.188	4.06	4.16	1.40	0.56	10.19	2.59	3.26	16.05
Plant - Rigid	4R-38	2WD 130	21,400	150	8	0.148	3.20	3.27	1.19	0.44	8.11	2.19	2.57	12.88
Plant - Rigid	6R-30	MFWD 150	27,600	150	8	0.125	2.71	3.20	1.30	0.53	7.75	2.39	3.12	13.27
Plant - Rigid	6R-38	MFWD 150	25,000	150	8	0.099	2.13	2.52	0.93	0.42	6.02	1.71	2.46	10.20
Plant - Rigid	8R-30	MFWD 170	32,500	150	8	0.094	2.03	2.72	1.14	0.43	6.34	2.11	2.65	11.11
Plant - Rigid	8R-38	MFWD 170	30,500	150	8	0.074	1.60	2.15	0.85	0.34	4.95	1.57	2.10	8.62
Plant - Rigid	10R-30	MFWD 190	36,500	150	8	0.075	1.62	2.43	1.03	0.37	5.47	1.90	2.29	9.67
Plant - Rigid	11R-15	MFWD 170	41,300	150	8	0.137	2.96	3.97	2.13	0.63	9.71	3.92	3.88	17.51
Plant - Rigid	11R-20	MFWD 170	35,500	150	8	0.103	2.22	2.97	1.37	0.47	7.04	2.52	2.90	12.47
Plant - Rigid	12R-20	MFWD 190	42,000	150	8	0.094	2.03	3.04	1.48	0.47	7.03	2.73	2.87	12.64
Plant - Rigid	12R-30	MFWD 190	53,700	150	8	0.062	1.35	2.02	1.26	0.31	4.96	2.33	1.91	9.21
Plant - Rigid	13R-18/20	MFWD 225	44,900	150	8	0.086	1.87	3.32	1.46	0.59	7.24	2.69	3.60	13.55
Plant - Rigid	15R-15	2WD 150	49,900	150	8	0.094	2.03	2.40	1.76	0.38	6.58	3.25	2.22	12.05
Plant - TwinRow	12R-30/40	MFWD 225	121,000	150	8	0.049	1.06	1.89	2.25	0.33	5.55	4.14	2.06	11.76

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2014 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Plant - TwinRow	8R-30/40	MFWD 225	103,000	150	8	0.074	1.60	2.84	2.87	0.50	7.84	5.30	3.09	16.24
Roller/Cultipacker	12'	2WD 130	4,130	300	12	0.124	1.55	2.74	0.12	0.37	4.79	0.16	2.15	7.11
Roller/Cultipacker	20'	MFWD 150	15,700	300	12	0.074	0.93	1.90	0.27	0.31	3.43	0.36	1.85	5.65
Roller/Cultipacker	30'	MFWD 170	17,500	300	12	0.049	0.62	1.43	0.20	0.23	2.49	0.27	1.40	4.16
Roller/Cultipacker	38'	MFWD 225	19,100	300	12	0.039	0.49	1.50	0.17	0.26	2.43	0.23	1.63	4.30
Roller/Stubble	20'	2WD 50	12,800	300	12	0.074	0.93	0.63	0.22	0.04	1.83	0.29	0.26	2.39
Roller/Stubble	32'	MFWD 225	21,700	300	12	0.046	0.58	1.78	0.23	0.31	2.92	0.31	1.93	5.17
Rotary Cutter	7'	MFWD 130	4,250	185	10	0.168	2.10	3.71	0.58	0.55	6.96	0.39	3.24	10.59
Rotary Cutter	12'	2WD 150	12,900	185	10	0.098	1.22	2.50	1.02	0.39	5.15	0.69	2.31	8.17
Rotary Cutter-Flex	15'	MFWD 150	19,000	185	10	0.078	0.98	2.00	1.21	0.33	4.53	0.82	1.95	7.30
Rotary Cutter-Flex	20'	MFWD 150	26,700	185	10	0.058	0.73	1.50	1.27	0.25	3.76	0.86	1.46	6.09
Row Cond & Inc-Fold.	26'	MFWD 190	23,700	100	10	0.063	1.08	2.04	0.37	0.31	3.82	1.53	1.93	7.28
Row Cond & Inc-Fold.	38'	MFWD 225	34,300	100	10	0.043	0.73	1.65	0.37	0.29	3.06	1.51	1.80	6.38
Row Cond & Inc-Rigid	13'	2WD 130	12,600	100	10	0.126	2.16	2.80	0.39	0.37	5.74	1.63	2.19	9.57
Row Cond & Inc-Rigid	21'	2WD 170	17,200	100	10	0.078	1.33	2.26	0.33	0.29	4.23	1.37	1.78	7.39
Row Cond & Inc-Rigid	26'	MFWD 190	17,900	100	10	0.026	0.45	0.85	0.11	0.13	1.56	0.48	0.81	2.86
Row Cond Folding	26'	MFWD 225	18,200	100	10	0.059	0.74	2.28	0.27	0.40	3.70	1.10	2.48	7.29
Row Cond Folding	38'	MFWD 225	27,100	100	10	0.040	0.51	1.56	0.27	0.27	2.62	1.12	1.69	5.45
Row Cond Rigid	13'	2WD 130	7,120	100	10	0.119	1.49	2.63	0.21	0.35	4.69	0.86	2.06	7.63
Row Cond Rigid	21'	2WD 170	11,700	100	10	0.073	0.92	2.13	0.21	0.27	3.55	0.88	1.67	6.10
Row Cond Rigid	26'	MFWD 190	12,400	100	10	0.059	0.74	1.92	0.18	0.29	3.15	0.75	1.82	5.73
Row Cond./Roll-Fold.	26'	MFWD 190	26,300	160	10	0.072	0.90	2.32	0.47	0.36	4.06	1.20	2.19	7.47
Row Cond./Roll-Fold.	30'	MFWD 190	38,600	160	10	0.062	0.78	2.01	0.60	0.31	3.71	1.53	1.90	7.15
Row Cond./Roll-Fold.	40'	MFWD 225	36,700	160	10	0.046	0.58	1.79	0.43	0.31	3.12	1.09	1.94	6.17
Row Cond./Roll-Rigid	21'	MFWD 190	22,800	160	10	0.089	1.11	2.88	0.50	0.44	4.95	1.29	2.72	8.97
Row Cond./Roll-Rigid	26'	MFWD 190	22,800	160	10	0.072	0.90	2.32	0.41	0.36	4.00	1.04	2.19	7.24
Spin Spreader	5 ton	MFWD 190	11,300	100	8	0.042	0.90	1.35	0.26	0.21	2.74	0.51	1.28	4.54
Spray (ATV Ropewick)	75"	800 CC	600	200	8	0.260	4.43	0.60	0.07	0.30	5.41	0.08	1.16	6.66
Spray (ATV)	12'/17'	800 CC	530	200	8	0.112	1.92	0.26	0.02	0.13	2.34	0.03	0.50	2.88
Spray (ATV)	20'	800 CC	1,350	200	8	0.084	1.44	0.19	0.05	0.09	1.78	0.06	0.37	2.23
Spray (Band)	27' Fold	MFWD 170	5,480	200	8	0.062	1.06	1.80	0.16	0.28	3.32	0.18	1.76	5.28
Spray (Band)	40' Fold	MFWD 170	7,220	200	8	0.042	0.72	1.22	0.14	0.19	2.28	0.16	1.19	3.64
Spray (Band)	50' Fold	MFWD 170	7,410	200	8	0.033	0.57	0.97	0.11	0.15	1.82	0.13	0.95	2.91
Spray (Band)	53' Fold	MFWD 170	8,340	200	8	0.031	0.54	0.92	0.12	0.14	1.73	0.14	0.90	2.78
Spray (Band)	60' Fold	MFWD 170	10,400	200	8	0.028	0.48	0.81	0.13	0.13	1.56	0.15	0.79	2.51
Spray (Bcast/HB)	13' Rigid	MFWD 150	5,800	200	8	0.130	2.21	3.31	0.35	0.55	6.44	0.41	3.23	10.09
Spray (Bcast/HB)	20' Rigid	MFWD 150	6,840	200	8	0.084	1.44	2.15	0.27	0.36	4.23	0.31	2.10	6.65
Spray (Bcast/HB)	27' Fold	MFWD 170	10,700	200	8	0.062	1.06	1.80	0.31	0.28	3.48	0.36	1.76	5.61
Spray (Bcast/HB)	27' Rigid	MFWD 170	7,870	200	8	0.062	1.06	1.80	0.23	0.28	3.39	0.26	1.76	5.43
Spray (Bcast/HB)	30' Fold	MFWD 170	15,300	200	8	0.056	0.96	1.62	0.40	0.26	3.25	0.47	1.59	5.31
Spray (Bcast/HB)	40' Fold	MFWD 170	17,400	200	8	0.042	0.72	1.22	0.34	0.19	2.48	0.40	1.19	4.07
Spray (Bcast/HB/HD)	27'	MFWD 170	12,100	200	8	0.062	1.06	1.80	0.35	0.28	3.52	0.41	1.76	5.70
Spray (Bcast/HB/HD)	40'	MFWD 170	19,100	200	8	0.042	0.72	1.22	0.37	0.19	2.51	0.44	1.19	4.14
Spray (Broadcast)	27'	MFWD 170	5,480	200	8	0.062	1.06	1.80	0.16	0.28	3.32	0.18	1.76	5.28
Spray (Broadcast)	40'	MFWD 170	7,220	200	8	0.042	0.72	1.22	0.14	0.19	2.28	0.16	1.19	3.64
Spray (Broadcast)	50'	MFWD 170	7,410	200	8	0.033	0.57	0.97	0.11	0.15	1.82	0.13	0.95	2.91
Spray (Broadcast)	53'	MFWD 170	8,340	200	8	0.031	0.54	0.92	0.12	0.14	1.73	0.14	0.90	2.78
Spray (Broadcast)	60'	MFWD 170	10,400	200	8	0.028	0.48	0.81	0.13	0.13	1.56	0.15	0.79	2.51
Spray (Direct/Hood)	8R-30	MFWD 170	12,400	200	8	0.084	1.44	2.44	0.49	0.39	4.76	0.57	2.38	7.72
Spray (Direct/Hood)	8R-38	MFWD 170	13,700	200	8	0.066	1.13	1.93	0.42	0.30	3.80	0.49	1.88	6.19
Spray (Direct/Hood)	12R-30	MFWD 170	19,000	200	8	0.056	0.96	1.62	0.50	0.26	3.35	0.58	1.59	5.52
Spray (Direct/Hood)	12R-38	MFWD 170	19,300	200	8	0.044	0.75	1.28	0.40	0.20	2.65	0.46	1.25	4.37
Spray (Direct/Layby)	8R-38	MFWD 170	12,900	200	8	0.066	1.13	1.93	0.40	0.30	3.78	0.47	1.88	6.14
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	19,000	200	8	0.044	0.75	1.28	0.39	0.20	2.64	0.46	1.25	4.36
Spray (Direct/Layby)	12R-30	MFWD 170	17,000	200	8	0.056	0.96	1.62	0.44	0.26	3.29	0.52	1.59	5.41
Spray (Direct/Layby)	12R-38	MFWD 170	19,000	200	8	0.044	0.75	1.28	0.39	0.20	2.64	0.46	1.25	4.36
Spray (Levee Leaper)	50'	MFWD 225	13,500	200	8	0.033	0.57	1.29	0.21	0.23	2.31	0.24	1.40	3.96
Spray (Pull Type)	60'	MFWD 225	27,000	200	8	0.028	0.48	1.07	0.35	0.19	2.10	0.41	1.17	3.69
Spray (Pull Type)	80'	MFWD 225	38,000	200	8	0.021	0.36	0.80	0.37	0.14	1.68	0.43	0.87	3.00
Spray (Pull Type)	90'	2WD 50	38,500	200	8	0.018	0.32	0.15	0.33	0.01	0.83	0.39	0.06	1.29
Spray (Pull Type)	100'	MFWD 225	35,900	200	8	0.016	0.28	0.64	0.28	0.11	1.33	0.33	0.70	2.36
Spray (Pull Type)	120'	MFWD 225	50,800	200	8	0.014	0.24	0.53	0.33	0.09	1.21	0.39	0.58	2.18
Spray (Ropewick)	20'	MFWD 190	2,600	200	8	0.084	1.44	2.73	0.10	0.42	4.69	0.11	2.57	7.39
Spray (Spot)	27'	MFWD 170	5,480	200	8	0.062	1.06	1.80	0.16	0.28	3.32	0.18	1.76	5.28
Spray (Spot)	40'	MFWD 170	7,220	200	8	0.042	0.72	1.22	0.14	0.19	2.28	0.16	1.19	3.64
Spray (Spot)	50'	MFWD 170	7,410	200	8	0.033	0.57	0.97	0.11	0.15	1.82	0.13	0.95	2.91
Spray (Spot)	53'	MFWD 170	8,430	200	8	0.031	0.54	0.92	0.12	0.14	1.73	0.14	0.90	2.78
Spray (Spot)	60'	MFWD 225	10,400	200	8	0.028	0.48	1.07	0.13	0.19	1.88	0.15	1.17	3.21
Stalk Shredder	14'	MFWD 150	13,000	200	10	0.117	1.47	3.00	1.34	0.50	6.32	0.78	2.93	10.03
Stalk Shredder Flex	20'	MFWD 150	34,700	200	10	0.082	1.03	2.10	2.50	0.35	5.99	1.45	2.05	9.50
Stalk Shredder-Flail	12'	MFWD 150	15,800	200	10	0.137	1.71	3.50	1.90	0.58	7.71	1.10	3.42	12.24
Stalk Shredder-Flail	15'	MFWD 150	19,500	200	10	0.110	1.37	2.80	1.87	0.47	6.52	1.09	2.73	10.35
Stalk Shredder-Flail	18'	MFWD 150	25,300	200	10	0.091	1.14	2.33	2.02	0.39	5.90	1.18	2.28	9.36
Stalk Shredder-Flail	20'	MFWD 150	26,300	200	10	0.082	1.03	2.10	1.89	0.35	5.38	1.10	2.05	8.54
Stalk Shredder-Flail	25'	MFWD 150	37,600	200	10	0.066	0.82	1.68	2.17	0.28	4.96	1.26	1.64	7.86
Strip Till	8R38/12R30	MFWD 225	42,100	150	10	0.061	0.77	2.35	1.12	0.41	4.66	1.76	2.55	8.99
Subsoiler	3 shank	MFWD 190	3,550	100	15	0.204	2.55	6.59	0.24	1.02	10.41	0.57	6.22	17.21
Subsoiler	4 shank	MFWD 225	8,050	100	15	0.153	1.92	5.87	0.41	1.04	9.25	0.97	6.37	16.60

(continued)

Appendix Table 3. Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2014

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Subsoiler	5 shank	MFWD 225	7,870	100	15	0.122	1.52	4.67	0.32	0.83	7.36	0.75	5.08	13.19
Subsoiler low-till	6 shank	MFWD 225	10,500	100	15	0.102	1.27	3.90	0.35	0.69	6.23	0.84	4.24	11.32
Subsoiler low-till	8 shank	MFWD 225	19,600	100	15	0.076	0.95	2.92	0.50	0.52	4.90	1.18	3.17	9.26

Notes:

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

Total Direct: Does not include interest on operating capital.

HB = Hooded Boom, HD = Hooded Direct

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2014

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANTS			Folicur 3.6	oz	1.08
Crop Oil Conc.(Pet.)	pt	3.72	Headline EC	oz	2.81
Crop Oil Conc.(Veg.)	pt	4.68	Headline SC	oz	2.99
Drift/Defoamer	pt	5.27	Manzate 75 DF	lb	5.25
Spreader Sticker	pt	3.54	Moncut 70 DF	lb	24.85
Surfactant	pt	3.68	Prevail	lb	28.25
CLEANING			Provost	oz	2.01
Cleaning Peanuts	ton	18.00	Quadris	oz	2.53
CROP CONSULTANT			Quilt	pt	19.55
Crop Consultant	acre	7.00	Quilt XCEL	pt	26.16
Rice Consultant	acre	7.00	Ridomil Gold	oz	6.22
CUSTOM FERTILIZE			Ridomil Gold PC GR	lb	2.42
App Fert by Air	cwt	7.00	Rovral 4F	pt	16.88
App Fert by Air(Min)	appl	7.00	Stiletto	oz	0.56
Custom Apply Fert	acre	7.50	Stratego	pt	22.50
CUSTOM LIME			Stratego YLD	oz	4.46
Lime (Spread)	ton	48.00	Terrachlor 2EC	pt	1.87
CUSTOM PLANT			Tilt 3.6 EC	oz	0.90
Custom Plant Air	cwt	7.00	Tilt/ Bravo SE	oz	0.37
Custom Plant Ground	acre	13.00	Uniform	oz	4.95
CUSTOM SPRAY			Vitavax RTU-Thiram	oz	0.35
App by Air (2 gal)	appl	4.00	GINNING		
App by Air (3 gal)	appl	5.00	Gin & Haul	lb	0.11
App by Air (5 gal)	appl	6.00	GROWTH REGULATORS		
App by Air (10 gal)	appl	7.75	Early Harvest PGR	oz	1.55
Custom Spray Ground	acre	7.00	Mepex	oz	0.08
Custom Spray Self Pr	acre	6.25	Mepex Gin Out	oz	0.14
Custom Spray Tractor	acre	7.50	Mepichlor 4.2%	oz	0.08
DRYING			Mepiquat	oz	0.10
Dry Corn	bu	0.19	Mepiquat Chloride	oz	0.08
Dry Grain Sorghum	cwt	0.25	Mepiquat Extra	oz	0.08
Dry Peanuts	ton	24.00	Pentia	pt	6.09
Dry Rice	bu	0.40	Pix Plus	oz	0.15
ERADICATION FEE			Stance	oz	1.18
Eradication	acre	1.00	SuperBoll	pt	3.00
FERTILIZERS			HARVEST AIDS		
Amm Sulfate (21% N)	cwt	17.75	Adios	oz	1.29
Amm Sulfate dry/mix	lb	0.20	Aim 2EC	oz	6.25
Boron 15G	lb	0.75	Ammonium Sulfate	lb	0.20
Boron Plus	pt	4.25	CottonQuik	pt	4.25
DAP	cwt	25.75	Def 6	pt	8.17
Fert 10-34-0	cwt	28.25	Def/Folex	pt	8.63
Fert 11-37-0	cwt	33.50	Defol 3	gal	3.45
Fert 30-0-0-5	cwt	18.00	Defol 5	gal	5.52
Fert 41-0-0-4	cwt	20.50	Defol 750	pt	1.26
Lime	ton	38.00	Dropp SC	oz	1.46
Phosphorus(46% P2O5)	cwt	24.00	ET	pt	44.69
Potash (60% K2O)	cwt	23.75	Ethephon 6E	pt	3.00
Sulfur 90%	lb	0.30	Finish 6	pt	8.44
Sulfur Plus	pt	2.60	First Pick	pt	3.12
SuperMax AMS	pt	2.70	Folex 6EC	pt	9.08
UAN (32% N)	cwt	19.50	Freefall SC	oz	1.41
UAN + Sulfur (28%)	cwt	19.50	Ginstar EC	pt	26.86
Urea, Solid (46% N)	cwt	22.60	Gramoxone SL	oz	0.22
Zinc Plus	pt	3.00	Paraquat	oz	0.22
Zinc Sulfate 31%	lb	0.50	Prep	pt	3.25
FUNGICIDES			Sharpen	oz	5.16
Abound	pt	28.50	Shed-a-leaf	gal	3.60
Allegiance Flowable	pt	58.75	Sodium Chlorate 3L	gal	3.45
Apron Maxx RTA	oz	0.74	Sodium Chlorate 5L	gal	5.52
Apron Maxx RTA+Moly	pt	13.63	TDZ SC	oz	1.41
Apron XL LS	oz	7.93	Thidiazuron 4lb	oz	1.41
Artisan	oz	0.96	Tribufos 6lb	pt	8.63
Bravo Ultrex	lb	5.80	HAULING		
Bravo Weather Stick	pt	4.29	Haul Corn	bu	0.23
Captan 50 WP	lb	6.00	Haul Peanuts	ton	14.50
Cotton Seed Trt.	acre	20.00	Haul Rice	bu	0.35
CruiserMaxx	oz	4.07	Haul Sorghum	bu	0.25
Dithane F-45	qt	8.63	Haul Soybeans	bu	0.27
Dithane Rainshield	lb	2.84	Haul Wheat	bu	0.26
Enable 2F	oz	1.95			

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2014(continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
HERBICIDES			Grandstand R	qt	28.38
2,4-D Amine 4	pt	2.94	Guardsman Max	pt	6.71
2,4-D Weedar 64	pt	2.28	Halex GT	pt	5.87
AAtrex 4L	pt	2.22	Halomax	oz	18.50
AAtrex NINE-0	lb	4.22	Harmony Extra SG	oz	11.80
Accent Q	oz	32.47	Harmony Extra XP	oz	14.40
Aim 2EC	oz	6.25	Harness XTRA	pt	6.28
Assure II	oz	0.70	Hoelon 3EC	pt	11.03
Atrazine 4L	pt	1.97	Impact	oz	16.83
Atrazine 90DF	lb	4.64	Karmex XP	lb	6.50
Axial XL	oz	0.98	Lariat	qt	7.46
Axiom 68DF	oz	1.65	Laudis	oz	4.88
Banvel	pt	7.69	Layby Pro	qt	14.27
Basagran	pt	11.88	Lexar	pt	6.54
Basis	oz	17.95	Liberty 280	oz	0.63
Beyond	oz	3.76	Linex 4L	pt	9.99
Bicep II Magnum	qt	11.22	Londax 60DF	oz	16.25
Bicep Lite Magnum	pt	7.12	Lorox 50DF	lb	18.70
Blazer Ultra	pt	9.37	Makaze	pt	1.88
Bolero 8EC	pt	7.25	MSMA 6.6	pt	3.16
Boundary 6.5 EC	9.37	9.37	MSMA6 Plus	pt	2.63
Buccaneer Plus	pt	2.19	Newpath 2SL	oz	3.24
Bullet	pt	3.73	Osprey	oz	3.08
Butyrac 175 (2,4-D)	pt	3.24	Outlook	pt	14.34
Butyrac 200 (2,4-DB)	pt	3.92	Paraquat	oz	0.22
Cadre	oz	3.52	Parazone 3SL	oz	0.26
Callisto 4SC	oz	5.28	Parrlay	pt	8.13
Canopy 75%	oz	2.50	Peak Accu Pak	oz	14.46
Canopy EX	oz	7.38	Permit 75 DF	oz	19.25
Caparol 4L	pt	2.68	Poast 1.53	pt	11.26
Capreno	oz	5.71	Poast Plus	pt	8.41
Celebrity Plus	lb	84.50	Prefix	pt	6.13
Clarity	pt	10.19	Propimax EC	pt	18.13
Classic	oz	15.28	Prowl 3.3 EC	pt	5.51
Clearpath	lb	49.11	Prowl H20	pt	5.04
Clincher SF	oz	2.15	Pursuit 2S	oz	2.98
Cobra 2EC	oz	1.45	Python WDG	oz	12.55
Command 3ME	pt	17.11	Quinstar	lb	44.50
Cornerstone Plus	pt	1.56	Raptor	oz	4.05
Cotoran 4L	pt	5.80	Reflex 2LC	pt	7.51
Cotton Pro	pt	3.44	Regiment 80WP	oz	38.57
Credit Extra	pt	1.80	Remedy Ultra	pt	8.22
Direx 4L	pt	3.74	Resolve SG	oz	7.95
Diuron 4L	pt	3.49	Resource .86EC	pt	27.09
Diuron 80 DF	lb	4.88	Ricebeaux	pt	5.37
Diuron 80%	lb	4.88	RicePro	pt	4.70
Dual II Magnum	pt	13.57	Riceshot	pt	3.62
Dual Magnum	pt	12.62	Ricestar HT	pt	21.20
Duet	pt	4.99	Rifel	pt	8.24
Envoke	oz	88.37	Roundup Power Max	oz	0.19
Evik DF 80W	lb	10.60	Roundup PowerMax	pt	3.00
Exceed	oz	10.71	Roundup WeatherMax	oz	0.25
Expert	pt	4.16	Roundup WeatherMax	pt	4.01
Facet L	pt	12.72	Salvo	pt	4.36
Finesse	oz	14.16	Scepter 70 DG	oz	3.99
First Rate	oz	37.80	Select Max	pt	11.94
First Shot	oz	7.68	Sequence	pt	5.07
Flexstar	pt	11.37	Simazine 4L	pt	2.57
Frontier 6.0	oz	0.63	Stalwart	pt	6.56
Fultime	pt	5.21	Stam 80 EDF	lb	7.95
Fusilade DX	oz	1.15	Stam M4	qt	7.74
Fusion	pt	27.38	Staple LX	oz	8.55
Glyfos	pt	1.66	Steadfast	oz	17.20
Glyfos Xtra	pt	1.44	Sterling Blue	pt	9.81
Glyphosate 3lbs a.e	pt	2.00	Storm	pt	11.09
Glyphosate 3lbs a.e	oz	0.13	Strada WG	oz	6.30
Glystar Plus	pt	1.56	Strongarm	oz	51.20
Goal 2XL	pt	10.00	Superwham	qt	8.31
Gramonone SL 2.0	oz	0.22			(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2014

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Suprend	lb	12.74	Malathion 5E	pt	4.76
Surpass EC	qt	25.00	Malathion 8E	pt	5.50
Synchrony XP	oz	10.98	Methyl Parathion 4	pt	5.79
Touchdown Total	qt	5.93	Monitor 4	pt	16.33
Treflan 4D	pt	3.34	Mustang Max	oz	1.60
Tricor DF	lb	14.75	Oberon 4 SC	pt	76.19
Trifluralin 4EC	pt	3.28	Orthene 90S	lb	6.50
Valor SX	oz	5.49	Penncap-M	pt	6.71
Valor XLT	oz	4.06	Phorate	lb	3.00
Verdict	oz	1.51	Pounce 25WP	lb	12.77
Zidua	oz	7.27	Prolex	oz	2.62
Zorial Rapid 80DF	lb	13.99	Respect .8EC	pt	33.79
INOCULANT			Sevin 4F	pt	6.01
Nitrastick	lbseed	0.02	Sevin 80S	lb	7.35
Nitro Fix	lbseed	0.03	Sevin XLR Plus	qt	12.39
Optimize LIFT	oz	0.54	Sniper	oz	1.05
INSECT SCOUTING			Steward	pt	29.30
Insect Scouting	acre	7.00	Temik 15G Grit	lb	4.00
INSECTICIDES			Temik 15G Gypsum	lb	4.00
Acephate 90%	lb	6.68	Thimet 20-G Lock N L	lb	3.50
Acephate 90SP	lb	6.85	Thionex 3 EC	pt	4.46
Acramite-4SC	oz	1.91	Thionex 50W	lb	10.51
Asana .66 XL	oz	0.72	Tombstone Helios	pt	43.75
Aztec 2.1% G	lb	3.64	Tracer 4SC	oz	8.17
Baythroid XL	oz	2.15	Trimax Pro	oz	1.85
Bidrin 8WM	oz	0.98	Tundra	oz	0.78
Bidrin XP	oz	0.78	Vydate C-LV	oz	0.73
Bifenthrin	oz	0.78	Zeal Miticid I	oz	17.83
Bifenture 2EC	pt	12.50	Zephyr	oz	0.78
Brigade EC	pt	14.01	IRRIGATION SUPPLIES		
Brigade WSB	lb	22.22	Roll-Out Pipe	ft	0.26
Capture 2EC	oz	1.76	SEED/PLANTS		
Capture LFR	oz	2.15	Corn Seed BtRR	thous	3.21
Carbaryl 4L	pt	5.27	Corn Seed Conv.	thous	2.53
Carbine 50WG	oz	5.25	Corn Seed RR2	thous	3.05
Centric 40WG	oz	4.70	Corn Seed VT3	thous	3.48
Comite 1l	pt	8.21	Corn Seed VT3Pro	thous	3.45
Confirm 2F	oz	2.06	Cotton Seed B2RF	thous	0.72
Counter 15G	lb	2.55	Cotton Seed LLB2	thous	1.17
Cruiser Maxx Rice	lbseed	0.129	Peanut Seed	lb	0.74
Curacron 8E	pt	10.78	Rice Clearfield	lb	0.99
Cypermethrin	oz	0.55	Rice Clearfield Hyb	lb	6.12
Denim 0.16 EC	pt	32.63	Rice Conv. Hybrid	lb	5.80
Diamond .83EC	pt	14.83	Rice Seed (Levees)	lb	0.44
Dimethoate 4E	pt	6.24	Rice Seed CF(Levees)	lb	0.99
Dimilin 2L	oz	2.02	Rice Seed CFH(Levee)	lb	6.12
Dipel DF	lb	12.25	Rice Seed Conv.	lb	0.44
Dipel ES	pt	4.63	Sorghum Concept	lb	2.11
Discipline 2 EC	oz	0.78	Soybean Seed LL	lb	1.03
Endigo ZC	pt	26.88	Soybean Seed RR2	lb	1.11
Fanfare 2EC	oz	0.78	Wheat Seed Private	lb	0.37
Force 3G	lb	6.25	SURVEY & MARK LEVEES		
Furadan 4F	pt	9.81	Survey & Mark Levees	acre	4.50
Furadan 4FLFR	pt	9.81	Survey & Mark Levees	acre	4.50
Gaicho 600	oz	5.86	TECHNOLOGY FEE		
Hero	pt	22.50	B2 Cot Tech Fee	thous	0.76
Holster	pt	14.38	B2 Cot Tech Fee	cap/ac	31.91
Imidan 70 WSB	oz	0.74	B2RF Cot Tech Fee	thous	1.49
Incidental Pest Trt	acre	12.00	B2RF Cot Tech Fee	cap/ac	62.69
Intrepid 2F	oz	1.84	LLB2 Cot Tech Fee	thous	0.76
Intruder 70WSP	oz	9.65	RF Cot Tech Fee	thous	1.04
Karate Z	oz	2.73	RF Cot Tech Fee	cap/ac	43.66
Kelthane MF 4EC	pt	5.03	WRF Cot Tech Fee	thous	1.45
Lannate LV	pt	9.72	WS Cotton Tech Fee	cap/ac	24.00
Lannate SP	oz	1.68			
Larvin 3.2	oz	0.60			
Leverage 2.7	oz	1.61			
Lorsban 15G	lb	2.15			
Lorsban 4E	pt	5.63			

Appendix Table 5. Estimated fuel prices
and interest rates, Mississippi, 2014

ITEM NAME	UNIT	PRICE
dollars		
FUEL TYPES		
Diesel Fuel	gal	3.30
Gasoline	gal	3.30
LP Gas	gal	1.59
INTEREST RATES		
Short-term	%	3.75
Intermediate-term	%	4.50

Appendix Table 6. Labor types, wage rates and unallocated labor
multipliers for crop enterprises, Mississippi, 2014

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	12.50
IRRIGATE LABOR	hour	9.06
HAND LABOR	hour	9.06
HAND. & STOR. LABOR	hour	9.06
RICE MGT. LABOR	hour	9.06
CROP ENTERPRISE	UNALLOCATED LABOR MULTIPLIERS (%)	
Corn		90
Cotton		80
Grain Sorghum		90
Peanuts		80
Rice		90
Soybeans		90
Wheat		80

Appendix Table 7. Futures contract prices, basis levels, forward contract prices, and loan rates used in row crop budgets, Mississippi, 2014

	Unit	Futures Contract Month	Futures Contract Price ^a	Basis ^b	Forward Contract Price ^c	Loan Rate ^d	Budget Price ^e
Corn	bu	Dec '14	4.80	-0.2760	4.53	2.09	4.53
Cotton Lint	lb	Dec '14	0.800	-0.0147	0.785	.520	0.79
Cottonseed	lb						0.107 ^f
Grain Sorghum	bu				4.30	3.60	4.30
Peanuts	ton				550.00	355.00	550.00
Soybeans	bu	Nov '14	11.68	-0.2710	11.41	5.21	11.41
Rice	bu	Sep '14	6.62	-0.7510	5.86	3.02	5.86
Wheat	bu	Jul '14	6.93	-0.6441	6.29	2.69	6.29

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

^b The basis is computed by subtracting the 2001-2013 average near futures contract month closings in October from the daily spot cash prices reported in October.
Sources: Agricultural Marketing Service, Market News, USDA.

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

^d Average Mississippi loan rate for the 2013 crop year for soybeans, corn, grain sorghum, and wheat. 2013 national average loan rate for cotton. 2013 Mississippi stored loan rate for long grain rice. 2013 national average loan rate for peanuts.

^e Price used in the 2014 MAFES Planning Budgets.

^f Cottonseed price is the marketing year average price averaged over the years 2009-2013, Agricultural Prices Summary, USDA.

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