



DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System

2016 Crop Enterprise Budgets

for Arkansas Field Crops Planted in 2016

2016 Crop Enterprise Budgets

July 2016

Contributors

Economics

Archie Flanders

Breana Watkins

Crop and Soil Sciences

Mike Andrews

Ron Baker

Tom Barber

Travis Faske

Herb Ginn

Chris Grimes

Jarrold Hardke

Kevin Lawson

Gus Lorenz

Ralph Mazzanti

Chad Norton

Bill Robertson

Glenn Studebaker

For questions and comments related to this report contact Archie Flanders at 870-526-2199 ext. 108 or aflanders@uaex.edu.



DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System

University of Arkansas, United States Department of Agriculture and County Governments Cooperating. The Division of Agriculture offers its programs to all eligible persons regardless of race, color, national origin, religion, gender, age, disability, marital or veteran status, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.

Table of Contents

Section	Page
Introduction	1
Summary of Methods	1
Summary of 2015 Budgets	3
Crop Budgets	6-44
Corn: Table 1-Table 6	6
Grain Sorghum: Table 7-Table 9	12
Rice: Table 10-Table 14	15
Soybean: Table 15-Table 26	20
Peanut: Table 27-Table 29	32
Wheat: Table 30	35
Cotton: Table 31-Table 38	36
Appendix-Field Activities	44
References	78

2016 Crop Enterprise Budgets

The Department of Agricultural Economics and Agribusiness (AEAB) develops crop enterprise budgets to assist Arkansas producers and other agricultural stakeholders in evaluating expected costs and returns for the upcoming field crop production year. Production methods analyzed represent typical field activities as determined by consultations with farmers, county agents, and information from Crop Research Verification Program Coordinators in the Department of Crop, Soil, and Environmental Sciences. Actual production practices vary greatly among individual farms due to management preferences and between production years due to climactic conditions. Analyses are for generalized circumstances with a focus on consistent and coordinated application of budget methods for all field crops. This approach results in meaningful costs and returns comparisons for decision making related to acreage allocations among field crops. Presentations in this report should be regarded only as a guide and basis for individual farmers developing budgets for their production practices, soil types, and other unique circumstances. AEAB periodically issues reports devoted to economic comparisons of alternative production practices. These reports offer greater detail for a range of production practices, seeds, and inputs.

Interactive versions of budgets in this report are available online. Users may change selected variables to represent their unique circumstances. Variables available for changing are in white spreadsheet cells. Numbers in colored cells are from formulas that change values as users make changes in white cells. County agents may produce budgets representative of unique conditions in their counties. Users should contact their county agents for assistance in developing customized budgets unique to individual farm situations.

Summary of Methods

Methods employed for developing crop enterprise budgets include input prices that are estimated directly from information available from suppliers and other sources, as well as costs estimated from engineering formulas developed by the American Society of Agricultural and Biological Engineers. Input costs for fertilizers and chemicals are estimated by applying prices to typical input rates. Input prices, custom hire rates, and fees are estimated with information from industry contacts. Methods of estimating these operating expenses presented in crop enterprise budgets are identical to producers obtaining costs information for their specific farms.

Ownership costs and repair expenses for machinery are estimated by applying engineering formulas to representative prices of new equipment (Givan 1991; Lazarus and Selly 2002). Repair expenses in crop enterprise budgets should be regarded as value estimates of full service repairs. Repairs and maintenance performed by hired farm labor will be partially realized as wages paid to employees. Machinery performance rates of field activities utilized for machinery costs are used to estimate time requirements of an activity which is applied to an hourly wage rate for determining labor costs (USDA, NASS 2015). Labor costs in crop enterprise budgets represent time devoted to specified field activities.

Ownership costs of machinery are determined by the capital recovery method which determines the amount of money that should be set aside each year to replace the value of equipment used in production (Kay and Edwards 1999). This measure differs from typical depreciation methods, as

well as actual cash expenses for machinery. Amortization factors applied for capital recovery estimation coincide with prevailing long-term interest rates (Edwards 2005). Interest rates in this report are from Arkansas lenders as reported in November 2015. Representative prices for machinery and equipment are based on contacts with Arkansas dealers, industry list prices, and reference sources (Deere & Company 2015; MSU 2015). Revenue in crop enterprise budgets is the product of expected yields from following Extension practices under optimal growing conditions and projected commodity prices.

Table S-1. Summary of Revenue and Expenses per Acre, Surface Irrigation

Receipts	Hybrid					
	Cotton	Corn	Sorghum	Soybean	Rice	Peanut
Yield (cotton-lb, peanut-ton, other-bu)	1200	210	115	55	180	2.25
Price (\$/yield unit)	0.65	4.00	4.20	9.50	5.50	375.00
Grower Share, %	100%	100%	100%	100%	100%	100%
Crop Revenue	780.00	840.00	483.00	522.50	990.00	843.75
¹ Gin Rebate/Bale	65					
Operating Expenses						
Input Costs	473.10	374.88	206.94	276.60	396.43	309.61
Other Operating Expenses	90.13	54.88	45.88	41.59	53.22	71.94
Total Operating Expenses	563.23	429.76	252.82	318.19	449.65	381.55
Post-harvest Expenses	156.78	94.50	29.90	16.36	119.43	90.11
² Net Operating Expenses	563.23	524.26	282.72	334.55	569.08	471.66
Cash Land Rent	0.00	0.00	0.00	0.00	0.00	0.00
³ Returns to Operating Expenses	216.77	315.74	200.28	187.95	420.92	372.09
Fixed Costs	173.28	96.87	85.78	87.99	114.46	178.50
⁴ Total Specified Expenses	736.51	621.13	368.50	422.54	683.54	650.16
³ Returns to Specified Expenses	43.49	218.87	114.50	99.96	306.46	193.59
Operating Expenses/yield unit	0.47	2.50	2.46	6.08	3.16	209.63
Total Expenses ⁴ /yield unit	0.61	2.96	3.20	7.68	3.80	288.96
Land Expense/acre	0.00	0.00	0.00	0.00	0.00	0.00
Land Expense/yield unit	0.00	0.00	0.00	0.00	0.00	0.00
Operating & Land Expenses/yield unit	0.47	2.50	2.46	6.08	3.16	209.63
Total Cost/yield unit, including land	0.61	2.96	3.20	7.68	3.80	288.96

¹Gin rebate is set equal to post-harvest expenses.

²Cottonseed value (gin rebate) deducted from post-harvest expenses.

³Share rent and cash land rent are deducted from crop revenue.

⁴Does not include land costs, management, or other expenses and fees not associated with production.

Table S-2. Summary of Revenue and Expenses per Acre, Pivot Irrigation

Receipts	Cotton	Corn	Sorghum	Soybean	Peanut
Yield (cotton-lb, peanut-ton, other-bu)	1200	210	115	55	2.25
Price (\$/yield unit)	0.65	4.00	4.20	9.50	375.00
Grower Share, %	100%	100%	100%	100%	100%
Crop Revenue	780.00	840.00	483.00	522.50	843.75
¹ Gin Rebate/Bale	65				
Operating Expenses					
Input Costs	477.85	381.16	210.15	281.35	314.36
Other Operating Expenses	94.95	61.06	49.34	46.41	76.77
Total Operating Expenses	572.80	442.22	259.49	327.76	391.13
Post-harvest Expenses	156.78	94.50	29.90	16.36	90.11
² Net Operating Expenses	572.80	536.72	289.39	344.12	481.24
Cash Land Rent	0.00	0.00	0.00	0.00	0.00
³ Returns to Operating Expenses	207.20	303.28	193.61	178.38	362.51
Fixed Costs	217.20	148.82	121.67	131.91	222.42
⁴ Total Specified Expenses	790.00	685.54	411.06	476.03	703.66
³ Returns to Specified Expenses	-10.00	154.46	71.94	46.47	140.09
Operating Expenses/yield unit	0.48	2.56	2.52	6.26	213.88
Total Expenses ⁴ /yield unit	0.66	3.26	3.57	8.66	312.74
Land Expense/acre	0.00	0.00	0.00	0.00	0.00
Land Expense/yield unit	0.00	0.00	0.00	0.00	0.00
Operating & Land Expenses/yield unit	0.48	2.56	2.52	6.26	213.88
Total Cost/yield unit, including land	0.66	3.26	3.57	8.66	312.74

¹Gin rebate is set equal to post-harvest expenses.

²Cottonseed value (gin rebate) deducted from post-harvest expenses.

³Share rent and cash land rent are deducted from crop revenue.

⁴Does not include land costs, management, or other expenses and fees not associated with production.

Table S-3. Summary of Revenue and Expenses per Acre, No Irrigation

Receipts	Cotton	Corn	Sorghum	Soybean	Wheat	Peanut
Yield (cotton-lb, peanut-ton, other-bu)	800	125	70	30	70	1.50
Price (\$/yield unit)	0.65	4.00	4.20	9.50	5.00	375.00
Grower Share, %	100%	100%	100%	100%	100%	100%
Crop Revenue	520.00	500.00	294.00	285.00	350.00	562.50
¹ Gin Rebate/Bale	65					
Operating Expenses						
Input Costs	371.15	292.46	166.35	254.43	187.50	287.45
Other Operating Expenses	82.15	45.70	39.37	34.41	37.79	64.76
Total Operating Expenses	453.30	338.16	205.72	288.84	225.29	352.21
Post-harvest Expenses	104.52	56.25	18.20	8.93	18.20	60.08
² Net Operating Expenses	453.30	394.41	223.92	297.77	243.49	412.29
Cash Land Rent	0.00	0.00	0.00	0.00	0.00	0.00
³ Returns to Operating Expenses	66.70	105.59	70.08	-12.77	106.51	150.21
Fixed Costs	155.86	70.46	67.19	63.80	51.99	154.32
⁴ Total Specified Expenses	609.16	464.87	291.11	361.57	295.48	566.61
³ Returns to Specified Expenses	-89.16	35.13	2.89	-76.57	54.52	-4.11
Operating Expenses/yield unit	0.57	3.16	3.20	9.93	3.48	274.86
Total Expenses ⁴ /yield unit	0.76	3.72	4.16	12.05	4.22	377.74
Land Expense/acre	0.00	0.00	0.00	0.00	0.00	0.00
Land Expense/yield unit	0.00	0.00	0.00	0.00	0.00	0.00
Operating & Land Expenses/yield unit	0.57	3.16	3.20	9.93	3.48	274.86
Total Cost/yield unit, including land	0.76	3.72	4.16	12.05	4.22	377.74

¹Gin rebate is set equal to post-harvest expenses.

²Cottonseed value (gin rebate) deducted from post-harvest expenses.

³Share rent and cash land rent are deducted from crop revenue.

⁴Does not include land costs, management, or other expenses and fees not associated with production.

Table 1. 2016 Corn Enterprise Budget, Stacked Gene, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	210.00	4.00	840.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	124.08	124.08
Nitrogen 100%	100%	Lbs	223	0.39	86.65
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	24	0.33	8.00
Zinc Sulfate 100%	100%	Lbs	10.00	1.52	15.15
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	52.75	52.75
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.967	1.25	4.96
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.93	6.93
Diesel Fuel, Harvest	100%	Gallons	3.052	1.25	3.82
Repairs and Maintenance, Harvest	100%	Acre	1	9.68	9.68
Irrigation Energy Cost	100%	Ac-In	14	1.48	20.67
Irrigation System Repairs & Maintenance		Ac-In	14	0.24	3.31
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.929	12.91	11.99
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	419.79	9.97
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	210.00	0.19	39.90
Hauling	100%	Bu	210.00	0.25	52.50
Check Off, Boards	100%	Bu	210.00	0.01	2.10
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$524.26
Returns to Operating Expenses					\$315.74
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	74.03	74.03
Irrigation Equipment		Acre	1	18.67	18.67
Farm Overhead; See Note 2		Acre	1	4.17	4.17
Total Capital Recovery & Fixed Costs					\$96.87
TOTAL SPECIFIED EXPENSES					\$621.13
NET RETURNS					\$218.87

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 2. 2016 Corn Enterprise Budget, Stacked Gene, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	210.00	4.00	840.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	124.08	124.08
Nitrogen 100%	100%	Lbs	223	0.39	86.65
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	24	0.33	8.00
Zinc Sulfate 100%	100%	Lbs	10.00	1.52	15.15
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	52.75	52.75
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.209	1.25	4.01
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.31	6.31
Diesel Fuel, Harvest	100%	Gallons	3.052	1.25	3.82
Repairs and Maintenance, Harvest	100%	Acre	1	9.68	9.68
Irrigation Energy Cost	100%	Ac-In	14	2.24	31.40
Irrigation System Repairs & Maintenance		Ac-In	14	0.82	11.51
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.799	12.91	10.31
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	431.97	10.26
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	210.00	0.19	39.90
Hauling	100%	Bu	210.00	0.25	52.50
Check Off, Boards	100%	Bu	210.00	0.01	2.10
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$536.72
Returns to Operating Expenses					\$303.28
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	67.11	67.11
Irrigation Equipment		Acre	1	76.44	76.44
Farm Overhead; See Note 2		Acre	1	5.27	5.27
Total Capital Recovery & Fixed Costs					\$148.82
TOTAL SPECIFIED EXPENSES					\$685.54
NET RETURNS					\$154.46

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 3. 2016 Corn Enterprise Budget, Stacked Gene, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	125.00	4.00	500.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	97.76	97.76
Nitrogen 100%	100%	Lbs	156	0.40	62.66
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	24	0.33	8.00
Zinc Sulfate 100%	100%	Lbs	10.00	1.52	15.15
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	52.75	52.75
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.209	1.25	4.01
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.31	6.31
Diesel Fuel, Harvest	100%	Gallons	3.052	1.25	3.82
Repairs and Maintenance, Harvest	100%	Acre	1	9.68	9.68
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.687	12.91	8.87
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	330.31	7.84
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	125.00	0.19	23.75
Hauling	100%	Bu	125.00	0.25	31.25
Check Off, Boards	100%	Bu	125.00	0.01	1.25
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$394.41
Returns to Operating Expenses					\$105.59
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	67.11	67.11
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 2		Acre	1	3.36	3.36
Total Capital Recovery & Fixed Costs					\$70.46
TOTAL SPECIFIED EXPENSES					\$464.87
NET RETURNS					\$35.13

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 4. 2016 Corn Enterprise Budget, Conventional, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	210.00	4.00	840.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	82.50	82.50
Nitrogen 100%	100%	Lbs	223	0.39	86.65
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	24	0.33	8.00
Zinc Sulfate 100%	100%	Lbs	10.00	1.52	15.15
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	61.38	61.38
Insecticide	100%	Acre	1	18.81	18.81
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	7.00	7.00
Air Application: Lbs.	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.967	1.25	4.96
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.93	6.93
Diesel Fuel, Harvest	100%	Gallons	3.052	1.25	3.82
Repairs and Maintenance, Harvest	100%	Acre	1	9.68	9.68
Irrigation Energy Cost	100%	Ac-In	14	1.48	20.67
Irrigation System Repairs & Maintenance		Ac-In	14	0.24	3.31
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.929	12.91	11.99
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	412.65	9.80
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	210.00	0.19	39.90
Hauling	100%	Bu	210.00	0.25	52.50
Check Off, Boards	100%	Bu	210.00	0.01	2.10
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$516.95
Returns to Operating Expenses					\$323.05
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	74.03	74.03
Irrigation Equipment		Acre	1	18.67	18.67
Farm Overhead; See Note 2		Acre	1	4.17	4.17
Total Capital Recovery & Fixed Costs					\$96.87
TOTAL SPECIFIED EXPENSES					\$613.82
NET RETURNS					\$226.18

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 5. 2016 Corn Enterprise Budget, Conventional, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	210.00	4.00	840.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	82.50	82.50
Nitrogen 100%	100%	Lbs	223	0.39	86.65
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	24	0.33	8.00
Zinc Sulfate 100%	100%	Lbs	10.00	1.52	15.15
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	61.38	61.38
Insecticide	100%	Acre	1	18.81	18.81
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	7.00	7.00
Air Application: Lbs.	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.209	1.25	4.01
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.31	6.31
Diesel Fuel, Harvest	100%	Gallons	3.052	1.25	3.82
Repairs and Maintenance, Harvest	100%	Acre	1	9.68	9.68
Irrigation Energy Cost	100%	Ac-In	14	2.24	31.40
Irrigation System Repairs & Maintenance		Ac-In	14	0.82	11.51
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.799	12.91	10.31
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	424.82	10.09
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	210.00	0.19	39.90
Hauling	100%	Bu	210.00	0.25	52.50
Check Off, Boards	100%	Bu	210.00	0.01	2.10
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$529.41
Returns to Operating Expenses					\$310.59
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	67.11	67.11
Irrigation Equipment		Acre	1	76.44	76.44
Farm Overhead; See Note 2		Acre	1	5.27	5.27
Total Capital Recovery & Fixed Costs					\$148.82
TOTAL SPECIFIED EXPENSES					\$678.23
NET RETURNS					\$161.77

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 6. 2016 Corn Enterprise Budget, Conventional, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	125.00	4.00	500.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	65.00	65.00
Nitrogen 100%	100%	Lbs	156	0.40	62.66
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	24	0.33	8.00
Zinc Sulfate 100%	100%	Lbs	10.00	1.52	15.15
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	61.38	61.38
Insecticide	100%	Acre	1	18.81	18.81
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	7.00	7.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.209	1.25	4.01
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.31	6.31
Diesel Fuel, Harvest	100%	Gallons	3.052	1.25	3.82
Repairs and Maintenance, Harvest	100%	Acre	1	9.68	9.68
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.687	12.91	8.87
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	331.99	7.88
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	125.00	0.19	23.75
Hauling	100%	Bu	125.00	0.25	31.25
Check Off, Boards	100%	Bu	125.00	0.01	1.25
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$396.12
Returns to Operating Expenses					\$103.88
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	67.11	67.11
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 2		Acre	1	3.36	3.36
Total Capital Recovery & Fixed Costs					\$70.46
TOTAL SPECIFIED EXPENSES					\$466.59
NET RETURNS					\$33.41

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 7. 2016 Grain Sorghum Enterprise Budget, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	115.00	4.20	483.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	24.18	24.18
Nitrogen 100%	100%	Lbs	111	0.36	39.79
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	47.13	47.13
Insecticide	100%	Acre	1	14.15	14.15
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	7.00	7.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.952	1.25	4.94
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.57	6.57
Diesel Fuel, Harvest	100%	Gallons	2.543	1.25	3.18
Repairs and Maintenance, Harvest	100%	Acre	1	6.85	6.85
Irrigation Energy Cost	100%	Ac-In	10	1.48	14.76
Irrigation System Repairs & Maintenance		Ac-In	10	0.24	2.36
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.870	12.91	11.23
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	246.95	5.87
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	115.00	0.00	0.00
Hauling	100%	Bu	115.00	0.25	28.75
Check Off, Boards	100%	Bu	115.00	0.01	1.15
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$282.71
Returns to Operating Expenses					\$200.29
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	67.70	67.70
Irrigation Equipment		Acre	1	14.34	14.34
Farm Overhead; See Note 2		Acre	1	3.74	3.74
Total Capital Recovery & Fixed Costs					\$85.78
TOTAL SPECIFIED EXPENSES					\$368.49
NET RETURNS					\$114.51

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 8. 2016 Grain Sorghum Enterprise Budget, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	115.00	4.20	483.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	24.18	24.18
Nitrogen 100%	100%	Lbs	111	0.36	39.79
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	47.13	47.13
Insecticide	100%	Acre	1	14.15	14.15
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	7.00	7.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.195	1.25	3.99
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	5.95	5.95
Diesel Fuel, Harvest	100%	Gallons	2.543	1.25	3.18
Repairs and Maintenance, Harvest	100%	Acre	1	6.85	6.85
Irrigation Energy Cost	100%	Ac-In	10	2.24	22.43
Irrigation System Repairs & Maintenance		Ac-In	10	0.82	8.22
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.720	12.91	9.30
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	253.47	6.02
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	115.00	0.00	0.00
Hauling	100%	Bu	115.00	0.25	28.75
Check Off, Boards	100%	Bu	115.00	0.01	1.15
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$289.39
Returns to Operating Expenses					\$193.61
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.77	60.77
Irrigation Equipment		Acre	1	56.45	56.45
Farm Overhead; See Note 2		Acre	1	4.45	4.45
Total Capital Recovery & Fixed Costs					\$121.67
TOTAL SPECIFIED EXPENSES					\$411.06
NET RETURNS					\$71.94

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 9. 2016 Grain Sorghum Enterprise Budget, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	70.00	4.20	294.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	16.74	16.74
Nitrogen 100%	100%	Lbs	91	0.36	32.70
Phosphate (P2O5) 100%	100%	Lbs	60	0.42	25.43
Potash (K2O) 100%	100%	Lbs	90	0.25	22.88
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	47.13	47.13
Insecticide	100%	Acre	1	14.15	14.15
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.324	1.25	4.15
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.30	6.30
Diesel Fuel, Harvest	100%	Gallons	2.543	1.25	3.18
Repairs and Maintenance, Harvest	100%	Acre	1	6.85	6.85
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.655	12.91	8.46
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	200.96	4.77
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	70.00	0.00	0.00
Hauling	100%	Bu	70.00	0.25	17.50
Check Off, Boards	100%	Bu	70.00	0.01	0.70
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$223.93
Returns to Operating Expenses					\$70.07
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	63.99	63.99
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 2		Acre	1	3.20	3.20
Total Capital Recovery & Fixed Costs					\$67.19
TOTAL SPECIFIED EXPENSES					\$291.12
NET RETURNS					\$2.88

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 10. 2016 Rice Enterprise Budget, Conventional Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	180.00	5.50	990.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	33.84	33.84
Nitrogen 100%	100%	Lbs	152	0.36	54.45
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Agrotain	100%	Qts	0.46	18.21	8.38
Herbicide	100%	Acre	1	68.41	68.41
Insecticide	100%	Acre	1	3.63	3.63
Fungicide	100%	Acre	1	27.50	27.50
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00
Air Application: Lbs.	100%	Lbs	330	0.070	23.10
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.183	1.25	5.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.07	6.07
Diesel Fuel, Harvest	100%	Gallons	3.561	1.25	4.45
Repairs and Maintenance, Harvest	100%	Acre	1	11.35	11.35
Irrigation Energy Cost	100%	Ac-In	30	1.48	44.29
Irrigation System Repairs & Maintenance		Ac-In	30	0.24	7.09
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	4.50	4.50
Labor, Field Activities	100%	Hrs	0.951	12.91	12.27
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	6.00	6.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	374.41	8.89
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.40	72.00
Hauling	100%	Bu	180.00	0.25	45.00
Check Off, Boards	100%	Bu	180.00	0.01	2.43
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$502.73
Returns to Operating Expenses					\$487.27
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	73.88	73.88
Irrigation Equipment		Acre	1	35.98	35.98
Farm Overhead; See Note 2		Acre	1	4.59	4.59
Total Capital Recovery & Fixed Costs					\$114.46
TOTAL SPECIFIED EXPENSES					\$617.19
NET RETURNS					\$372.81

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 11. 2016 Rice Enterprise Budget, Clearfield Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	180.00	5.50	990.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	84.96	84.96
Nitrogen 100%	100%	Lbs	152	0.36	54.45
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Agrotain	100%	Qts	0.46	18.21	8.38
Herbicide	100%	Acre	1	38.70	38.70
Insecticide	100%	Acre	1	3.63	3.63
Fungicide	100%	Acre	1	27.50	27.50
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	4	7.00	28.00
Air Application: Lbs.	100%	Lbs	330	0.070	23.10
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.183	1.25	5.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.07	6.07
Diesel Fuel, Harvest	100%	Gallons	3.561	1.25	4.45
Repairs and Maintenance, Harvest	100%	Acre	1	11.35	11.35
Irrigation Energy Cost	100%	Ac-In	30	1.48	44.29
Irrigation System Repairs & Maintenance		Ac-In	30	0.24	7.09
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	4.50	4.50
Labor, Field Activities	100%	Hrs	0.951	12.91	12.27
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	6.00	6.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	402.83	9.57
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.40	72.00
Hauling	100%	Bu	180.00	0.25	45.00
Check Off, Boards	100%	Bu	180.00	0.01	2.43
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$531.82
Returns to Operating Expenses					\$458.18
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	73.88	73.88
Irrigation Equipment		Acre	1	35.98	35.98
Farm Overhead; See Note 2		Acre	1	4.59	4.59
Total Capital Recovery & Fixed Costs					\$114.46
TOTAL SPECIFIED EXPENSES					\$646.28
NET RETURNS					\$343.72

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 12. 2016 Rice Enterprise Budget, Hybrid Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	180.00	5.50	990.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	129.95	129.95
Nitrogen 100%	100%	Lbs	152	0.36	54.45
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Agrotain	100%	Qts	0.52	18.21	9.47
Herbicide	100%	Acre	1	68.41	68.41
Insecticide	100%	Acre	1	3.63	3.63
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00
Air Application: Lbs.	100%	Lbs	260	0.070	18.20
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.183	1.25	5.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.07	6.07
Diesel Fuel, Harvest	100%	Gallons	3.561	1.25	4.45
Repairs and Maintenance, Harvest	100%	Acre	1	11.35	11.35
Irrigation Energy Cost	100%	Ac-In	30	1.48	44.29
Irrigation System Repairs & Maintenance		Ac-In	30	0.24	7.09
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	4.50	4.50
Labor, Field Activities	100%	Hrs	0.951	12.91	12.27
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	6.00	6.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	439.21	10.43
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.40	72.00
Hauling	100%	Bu	180.00	0.25	45.00
Check Off, Boards	100%	Bu	180.00	0.01	2.43
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$569.08
Returns to Operating Expenses					\$420.92
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	73.88	73.88
Irrigation Equipment		Acre	1	35.98	35.98
Farm Overhead; See Note 2		Acre	1	4.59	4.59
Total Capital Recovery & Fixed Costs					\$114.46
TOTAL SPECIFIED EXPENSES					\$683.53
NET RETURNS					\$306.47

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 13. 2016 Rice Enterprise Budget, Clearfield Hybrid Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	180.00	5.50	990.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	128.11	128.11
Nitrogen 100%	100%	Lbs	152	0.36	54.45
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Agrotain	100%	Qts	0.52	18.21	9.47
Herbicide	100%	Acre	1	38.70	38.70
Insecticide	100%	Acre	1	3.63	3.63
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	4	7.00	28.00
Air Application: Lbs.	100%	Lbs	260	0.070	18.20
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.183	1.25	5.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.07	6.07
Diesel Fuel, Harvest	100%	Gallons	3.561	1.25	4.45
Repairs and Maintenance, Harvest	100%	Acre	1	11.35	11.35
Irrigation Energy Cost	100%	Ac-In	30	1.48	44.29
Irrigation System Repairs & Maintenance		Ac-In	30	0.24	7.09
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	4.50	4.50
Labor, Field Activities	100%	Hrs	0.951	12.91	12.27
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	6.00	6.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	414.67	9.85
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.40	72.00
Hauling	100%	Bu	180.00	0.25	45.00
Check Off, Boards	100%	Bu	180.00	0.01	2.43
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$543.95
Returns to Operating Expenses					\$446.05
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	73.88	73.88
Irrigation Equipment		Acre	1	35.98	35.98
Farm Overhead; See Note 2		Acre	1	4.59	4.59
Total Capital Recovery & Fixed Costs					\$114.46
TOTAL SPECIFIED EXPENSES					\$658.40
NET RETURNS					\$331.60

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 14. 2016 Rice Enterprise Budget, Conventional Seed, Water Seeded

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	180.00	5.50	990.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	39.60	39.60
Nitrogen 100%	100%	Lbs	152	0.36	54.45
Phosphate (P2O5) 100%	100%	Lbs	0	0.42	0.00
Potash (K2O) 100%	100%	Lbs	0	0.25	0.00
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Agrotain	100%	Qts	0.00	18.21	0.00
Herbicide	100%	Acre	1	66.63	66.63
Insecticide	100%	Acre	1	7.25	7.25
Fungicide	100%	Acre	1	27.50	27.50
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	6	7.00	42.00
Air Application: Lbs.	100%	Lbs	330	0.070	23.10
Other Custom Hire, Air Seeding	100%	Acre	1	7.00	7.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	0.160	1.25	0.20
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	0.36	0.36
Diesel Fuel, Harvest	100%	Gallons	3.561	1.25	4.45
Repairs and Maintenance, Harvest	100%	Acre	1	11.35	11.35
Irrigation Energy Cost	100%	Ac-In	24	1.48	35.43
Irrigation System Repairs & Maintenance		Ac-In	24	0.24	5.68
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.418	12.91	5.40
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	6.00	6.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	336.40	7.99
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.40	72.00
Hauling	100%	Bu	180.00	0.25	45.00
Check Off, Boards	100%	Bu	180.00	0.01	2.43
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$463.82
Returns to Operating Expenses					\$526.18
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	41.73	41.73
Irrigation Equipment		Acre	1	29.49	29.49
Farm Overhead; See Note 2		Acre	1	2.82	2.82
Total Capital Recovery & Fixed Costs					\$74.04
TOTAL SPECIFIED EXPENSES					\$537.86
NET RETURNS					\$452.14

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 15. 2016 Soybean Enterprise Budget, RR, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	88.80	88.80
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	65.72	65.72
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.255	1.25	5.32
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.826	12.91	10.66
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	305.35	7.25
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$328.96
Returns to Operating Expenses					\$193.54
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	67.69	67.69
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 2		Acre	1	3.80	3.80
Total Capital Recovery & Fixed Costs					\$87.99
TOTAL SPECIFIED EXPENSES					\$416.95
NET RETURNS					\$105.55

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 16. 2016 Soybean Enterprise Budget, RR, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	88.80	88.80
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	65.72	65.72
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.498	1.25	4.37
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.73	7.73
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	2.24	26.91
Irrigation System Repairs & Maintenance		Ac-In	12	0.82	9.86
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.686	12.91	8.86
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	314.70	7.47
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$338.53
Returns to Operating Expenses					\$183.97
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.76	60.76
Irrigation Equipment		Acre	1	66.45	66.45
Farm Overhead; See Note 2		Acre	1	4.70	4.70
Total Capital Recovery & Fixed Costs					\$131.91
TOTAL SPECIFIED EXPENSES					\$470.44
NET RETURNS					\$52.06

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 17. 2016 Soybean Enterprise Budget, RR, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	30.00	9.50	285.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	88.80	88.80
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	65.72	65.72
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.498	1.25	4.37
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.73	7.73
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.590	12.91	7.62
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	276.68	6.57
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	30.00	0.00	0.00
Hauling	100%	Bu	30.00	0.25	7.50
Check Off, Boards	100%	Bu	30.00	0.05	1.43
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$292.18
Returns to Operating Expenses					-\$7.18
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.76	60.76
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 2		Acre	1	3.04	3.04
Total Capital Recovery & Fixed Costs					\$63.80
TOTAL SPECIFIED EXPENSES					\$355.98
NET RETURNS					-\$70.98

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 18. 2016 Soybean Enterprise Budget, RR, Flood Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	88.80	88.80
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	65.72	65.72
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.007	1.25	5.01
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.08	7.08
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	3.00	3.00
Labor, Field Activities	100%	Hrs	0.795	12.91	10.26
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	303.51	7.21
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$327.08
Returns to Operating Expenses					\$195.42
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	61.93	61.93
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 2		Acre	1	3.51	3.51
Total Capital Recovery & Fixed Costs					\$81.94
TOTAL SPECIFIED EXPENSES					\$409.02
NET RETURNS					\$113.48

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 19. 2016 Soybean Enterprise Budget, LL, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	86.40	86.40
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	73.58	73.58
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.255	1.25	5.32
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.826	12.91	10.66
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	310.80	7.38
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$334.55
Returns to Operating Expenses					\$187.95
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	67.69	67.69
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 2		Acre	1	3.80	3.80
Total Capital Recovery & Fixed Costs					\$87.99
TOTAL SPECIFIED EXPENSES					\$422.54
NET RETURNS					\$99.96

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 20. 2016 Soybean Enterprise Budget, LL, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	86.40	86.40
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	73.58	73.58
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.498	1.25	4.37
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.73	7.73
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	2.24	26.91
Irrigation System Repairs & Maintenance		Ac-In	12	0.82	9.86
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.686	12.91	8.86
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	320.15	7.60
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$344.12
Returns to Operating Expenses					\$178.38
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.76	60.76
Irrigation Equipment		Acre	1	66.45	66.45
Farm Overhead; See Note 2		Acre	1	4.70	4.70
Total Capital Recovery & Fixed Costs					\$131.91
TOTAL SPECIFIED EXPENSES					\$476.03
NET RETURNS					\$46.47

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 21. 2016 Soybean Enterprise Budget, LL, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	30.00	9.50	285.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	86.40	86.40
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	73.58	73.58
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.498	1.25	4.37
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.73	7.73
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.590	12.91	7.62
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	282.14	6.70
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	30.00	0.00	0.00
Hauling	100%	Bu	30.00	0.25	7.50
Check Off, Boards	100%	Bu	30.00	0.05	1.43
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$297.77
Returns to Operating Expenses					-\$12.77
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.76	60.76
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 2		Acre	1	3.04	3.04
Total Capital Recovery & Fixed Costs					\$63.80
TOTAL SPECIFIED EXPENSES					\$361.57
NET RETURNS					-\$76.57

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 22. 2016 Soybean Enterprise Budget, LL, Flood Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	86.40	86.40
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	73.58	73.58
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.007	1.25	5.01
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.08	7.08
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	3.00	3.00
Labor, Field Activities	100%	Hrs	0.795	12.91	10.26
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	308.97	7.34
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$332.67
Returns to Operating Expenses					\$189.83
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	61.93	61.93
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 2		Acre	1	3.51	3.51
Total Capital Recovery & Fixed Costs					\$81.94
TOTAL SPECIFIED EXPENSES					\$414.61
NET RETURNS					\$107.89

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 23. 2016 Soybean Enterprise Budget, Conventional, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	45.60	45.60
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	59.12	59.12
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.255	1.25	5.32
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.826	12.91	10.66
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	255.55	6.07
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$277.98
Returns to Operating Expenses					\$244.52
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	67.69	67.69
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 2		Acre	1	3.80	3.80
Total Capital Recovery & Fixed Costs					\$87.99
TOTAL SPECIFIED EXPENSES					\$365.97
NET RETURNS					\$156.53

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 24. 2016 Soybean Enterprise Budget, Conventional, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield¹	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	45.60	45.60
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	59.12	59.12
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.498	1.25	4.37
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.73	7.73
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	2.24	26.91
Irrigation System Repairs & Maintenance		Ac-In	12	0.82	9.86
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.686	12.91	8.86
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	264.90	6.29
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$287.56
Returns to Operating Expenses					\$234.94
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.76	60.76
Irrigation Equipment		Acre	1	66.45	66.45
Farm Overhead; See Note 2		Acre	1	4.70	4.70
Total Capital Recovery & Fixed Costs					\$131.91
TOTAL SPECIFIED EXPENSES					\$419.46
NET RETURNS					\$103.04

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 25. 2016 Soybean Enterprise Budget, Conventional, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	30.00	9.50	285.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	45.60	45.60
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	59.12	59.12
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.498	1.25	4.37
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.73	7.73
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.590	12.91	7.62
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	226.89	5.39
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	30.00	0.00	0.00
Hauling	100%	Bu	30.00	0.25	7.50
Check Off, Boards	100%	Bu	30.00	0.05	1.43
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$241.20
Returns to Operating Expenses					\$43.80
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.76	60.76
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 2		Acre	1	3.04	3.04
Total Capital Recovery & Fixed Costs					\$63.80
TOTAL SPECIFIED EXPENSES					\$305.00
NET RETURNS					-\$20.00

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 26. 2016 Soybean Enterprise Budget, Conventional, Flood Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	55.00	9.50	522.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	45.60	45.60
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	59.12	59.12
Insecticide	100%	Acre	1	19.92	19.92
Fungicide	100%	Acre	1	21.48	21.48
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.007	1.25	5.01
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.08	7.08
Diesel Fuel, Harvest	100%	Gallons	1.978	1.25	2.47
Repairs and Maintenance, Harvest	100%	Acre	1	5.36	5.36
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	3.00	3.00
Labor, Field Activities	100%	Hrs	0.795	12.91	10.26
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.00	7.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	253.72	6.03
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.25	13.75
Check Off, Boards	100%	Bu	55.00	0.05	2.61
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$276.11
Returns to Operating Expenses					\$246.39
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	61.93	61.93
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 2		Acre	1	3.51	3.51
Total Capital Recovery & Fixed Costs					\$81.94
TOTAL SPECIFIED EXPENSES					\$358.05
NET RETURNS					\$164.45

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 27. 2016 Peanut Enterprise Budget, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Tons	2.25	375.00	843.75
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	86.25	86.25
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	50	0.25	12.71
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	72.50	72.50
Insecticide	100%	Acre	1	15.75	15.75
Nematicide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	60.91	60.91
Other Chemical	100%	Acre	1	9.04	9.04
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	8.712	1.25	10.89
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	14.21	14.21
Diesel Fuel, Harvest	100%	Gallons	6.099	1.25	7.62
Repairs and Maintenance, Harvest	100%	Acre	1	9.20	9.20
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.924	12.91	24.84
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	12.00	12.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	372.70	8.85
Custom Harvest	100%	Acre	0.00	0.00	0.00
Hauling	100%	Tons	2.25	0.00	0.00
Cleaning - Applied to Percent Cleaned	100%	Tons	2.25	10.00	22.50
Drying - Applied to Percent Dried	100%	Tons	2.25	24.00	54.00
Check Off, Boards - State	100%	Tons	2.25	2.50	5.63
NPB Check Off	100%	Dollars	798.75	0.01	7.99
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$471.67
Returns to Operating Expenses					\$372.08
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	153.89	153.89
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 2		Acre	1	8.11	8.11
Total Capital Recovery & Fixed Costs					\$178.50
TOTAL SPECIFIED EXPENSES					\$650.17
NET RETURNS					\$193.58

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 28. 2016 Peanut Enterprise Budget, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Tons	2.25	375.00	843.75
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	86.25	86.25
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	50	0.25	12.71
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	72.50	72.50
Insecticide	100%	Acre	1	15.75	15.75
Nematicide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	60.91	60.91
Other Chemical	100%	Acre	1	9.04	9.04
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	7.955	1.25	9.94
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	13.59	13.59
Diesel Fuel, Harvest	100%	Gallons	6.099	1.25	7.62
Repairs and Maintenance, Harvest	100%	Acre	1	9.20	9.20
Irrigation Energy Cost	100%	Ac-In	12	2.24	26.91
Irrigation System Repairs & Maintenance		Ac-In	12	0.82	9.86
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.784	12.91	23.03
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	12.00	12.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	382.05	9.07
Custom Harvest	100%	Acre	0.00	0.00	0.00
Hauling	100%	Tons	2.25	0.00	0.00
Cleaning - Applied to Percent Cleaned	100%	Tons	2.25	10.00	22.50
Drying - Applied to Percent Dried	100%	Tons	2.25	24.00	54.00
Check Off, Boards - State	100%	Tons	2.25	2.50	5.63
NPB Check Off	100%	Dollars	798.75	0.01	7.99
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$481.24
Returns to Operating Expenses					\$362.51
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	146.97	146.97
Irrigation Equipment		Acre	1	66.45	66.45
Farm Overhead; See Note 2		Acre	1	9.01	9.01
Total Capital Recovery & Fixed Costs					\$222.42
TOTAL SPECIFIED EXPENSES					\$703.67
NET RETURNS					\$140.08

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 29. 2016 Peanut Enterprise Budget, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Tons	1.50	375.00	562.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	86.25	86.25
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	50	0.25	12.71
Sulfur 100%	100%	Lbs	0	0.33	0.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	72.50	72.50
Insecticide	100%	Acre	1	15.75	15.75
Nematicide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	60.91	60.91
Other Chemical	100%	Acre	1	9.04	9.04
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	7.955	1.25	9.94
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	13.59	13.59
Diesel Fuel, Harvest	100%	Gallons	6.099	1.25	7.62
Repairs and Maintenance, Harvest	100%	Acre	1	9.20	9.20
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.688	12.91	21.80
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	12.00	12.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	344.04	8.17
Custom Harvest	100%	Acre	0.00	0.00	0.00
Hauling	100%	Tons	1.50	0.00	0.00
Cleaning - Applied to Percent Cleaned	100%	Tons	1.50	10.00	15.00
Drying - Applied to Percent Dried	100%	Tons	1.50	24.00	36.00
Check Off, Boards - State	100%	Tons	1.50	2.50	3.75
NPB Check Off	100%	Dollars	532.50	0.01	5.33
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$412.29
Returns to Operating Expenses					\$150.21
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	146.97	146.97
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 2		Acre	1	7.35	7.35
Total Capital Recovery & Fixed Costs					\$154.32
TOTAL SPECIFIED EXPENSES					\$566.60
NET RETURNS					-\$4.10

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 30. 2016 Wheat Enterprise Budget

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu	70.00	5.00	350.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	32.00	32.00
Nitrogen 100%	100%	Lbs	116	0.36	41.72
Phosphate (P2O5) 100%	100%	Lbs	40	0.42	16.96
Potash (K2O) 100%	100%	Lbs	80	0.25	20.33
Sulfur 100%	100%	Lbs	12	0.33	4.00
Boron 100%	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	19.18	19.18
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	18.59	18.59
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00
Air Application: Lbs.	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	2.829	1.25	3.54
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	4.99	4.99
Diesel Fuel, Harvest	100%	Gallons	2.543	1.25	3.18
Repairs and Maintenance, Harvest	100%	Acre	1	6.85	6.85
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.599	12.91	7.73
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	220.07	5.23
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	70.00	0.00	0.00
Hauling	100%	Bu	70.00	0.25	17.50
Check Off, Boards	100%	Bu	70.00	0.01	0.70
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$243.49
Returns to Operating Expenses					\$106.51
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	49.52	49.52
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 2		Acre	1	2.48	2.48
Total Capital Recovery & Fixed Costs					\$51.99
TOTAL SPECIFIED EXPENSES					\$295.49
NET RETURNS					\$54.51

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Estimate based on machinery and equipment.

Table 31. 2016 Cotton Enterprise Budget, GLB2, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Ton	0.900	174.20	156.78
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees; See Note 2	100%	Acre	1	120.18	120.18
Nitrogen 100%	100%	Lbs	94	0.40	37.60
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	10	0.33	3.33
Boron 100%	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	121.65	121.65
Insecticide	100%	Acre	1	85.15	85.15
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	5.84	5.84
Defoliant	100%	Acre	1	17.02	17.02
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.586	1.25	6.98
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	10.79	10.79
Diesel Fuel, Harvest	100%	Gallons	5.732	1.25	7.16
Repairs and Maintenance, Harvest	100%	Acre	1	18.06	18.06
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.811	12.91	23.38
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	4.00	4.00
Crop Insurance	100%	Acre	1	8.00	8.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	550.16	13.07
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4					
Hauling, Ginning	100%	Lbs	1,200.00	0.10	120.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$563.23
Returns to Operating Expenses					\$216.77
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	148.92	148.92
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 5		Acre	1	7.86	7.86
Total Capital Recovery & Fixed Costs					\$173.28
TOTAL SPECIFIED EXPENSES					\$736.51
NET RETURNS					\$43.49

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Technology fees vary by geographical location.

Note 3: Boll weevil eradication fee is \$4 in Arkansas.

Note 4: Cottonseed value deducted from post-harvest expenses for calculating operating expenses.

Note 5: Estimate based on machinery and equipment.

Table 32. 2016 Cotton Enterprise Budget, GLB2, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Ton	0.900	174.20	156.78
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees; See Note 2	100%	Acre	1	120.18	120.18
Nitrogen 100%	100%	Lbs	94	0.40	37.60
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	10	0.33	3.33
Boron 100%	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	121.65	121.65
Insecticide	100%	Acre	1	85.15	85.15
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	5.84	5.84
Defoliant	100%	Acre	1	17.02	17.02
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.828	1.25	6.04
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	10.17	10.17
Diesel Fuel, Harvest	100%	Gallons	5.732	1.25	7.16
Repairs and Maintenance, Harvest	100%	Acre	1	18.06	18.06
Irrigation Energy Cost	100%	Ac-In	12	2.24	26.91
Irrigation System Repairs & Maintenance		Ac-In	12	0.82	9.86
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.671	12.91	21.58
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	4.00	4.00
Crop Insurance	100%	Acre	1	8.00	8.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	559.51	13.29
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4					
Hauling, Ginning	100%	Lbs	1,200.00	0.10	120.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$572.80
Returns to Operating Expenses					\$207.20
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	142.00	142.00
Irrigation Equipment		Acre	1	66.45	66.45
Farm Overhead; See Note 5		Acre	1	8.76	8.76
Total Capital Recovery & Fixed Costs					\$217.20
TOTAL SPECIFIED EXPENSES					\$790.00
NET RETURNS					-\$10.00

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Technology fees vary by geographical location.

Note 3: Boll weevil eradication fee is \$4 in Arkansas.

Note 4: Cottonseed value deducted from post-harvest expenses for calculating operating expenses.

Note 5: Estimate based on machinery and equipment.

Table 33. 2016 Cotton Enterprise Budget, GLB2, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	800.00	0.65	520.00
Cottonseed Value	100%	Ton	0.600	174.20	104.52
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees; See Note 2	100%	Acre	1	120.18	120.18
Nitrogen 100%	100%	Lbs	72	0.40	28.65
Phosphate (P2O5) 100%	100%	Lbs	20	0.42	8.48
Potash (K2O) 100%	100%	Lbs	40	0.25	10.17
Sulfur 100%	100%	Lbs	10	0.33	3.33
Boron 100%	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	121.65	121.65
Insecticide	100%	Acre	1	42.37	42.37
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.86	1.86
Defoliant	100%	Acre	1	15.94	15.94
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.087	1.25	6.36
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	10.85	10.85
Diesel Fuel, Harvest	100%	Gallons	5.732	1.25	7.16
Repairs and Maintenance, Harvest	100%	Acre	1	18.06	18.06
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.605	12.91	20.72
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	4.00	4.00
Crop Insurance	100%	Acre	1	8.00	8.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	442.78	10.52
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4					
Hauling, Ginning	100%	Lbs	800.00	0.10	80.00
Storage and Warehousing	100%	Bale	1.60	10.50	16.80
Promotions, Boards, Classing	100%	Bale	1.60	4.83	7.72
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$453.29
Returns to Operating Expenses					\$66.71
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	148.44	148.44
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 5		Acre	1	7.42	7.42
Total Capital Recovery & Fixed Costs					\$155.86
TOTAL SPECIFIED EXPENSES					\$609.16
NET RETURNS					-\$89.16

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Technology fees vary by geographical location.

Note 3: Boll weevil eradication fee is \$4 in Arkansas.

Note 4: Cottonseed value deducted from post-harvest expenses for calculating operating expenses.

Note 5: Estimate based on machinery and equipment.

Table 34. 2016 Cotton Enterprise Budget, GLT, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Ton	0.900	174.20	156.78
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees; See Note 2	100%	Acre	1	120.18	120.18
Nitrogen 100%	100%	Lbs	94	0.40	37.60
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	10	0.33	3.33
Boron 100%	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	121.65	121.65
Insecticide	100%	Acre	1	85.15	85.15
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	5.84	5.84
Defoliant	100%	Acre	1	17.02	17.02
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.586	1.25	6.98
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	10.79	10.79
Diesel Fuel, Harvest	100%	Gallons	5.732	1.25	7.16
Repairs and Maintenance, Harvest	100%	Acre	1	18.06	18.06
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.811	12.91	23.38
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	4.00	4.00
Crop Insurance	100%	Acre	1	8.00	8.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	550.16	13.07
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4					
Hauling, Ginning	100%	Lbs	1,200.00	0.10	120.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$563.23
Returns to Operating Expenses					\$216.77
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	148.92	148.92
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 5		Acre	1	7.86	7.86
Total Capital Recovery & Fixed Costs					\$173.28
TOTAL SPECIFIED EXPENSES					\$736.51
NET RETURNS					\$43.49

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Technology fees vary by geographical location.

Note 3: Boll weevil eradication fee is \$4 in Arkansas.

Note 4: Cottonseed value deducted from post-harvest expenses for calculating operating expenses.

Note 5: Estimate based on machinery and equipment.

Table 35. 2016 Cotton Enterprise Budget, GLT, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Ton	0.900	174.20	156.78
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees; See Note 2	100%	Acre	1	120.18	120.18
Nitrogen 100%	100%	Lbs	94	0.40	37.60
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	10	0.33	3.33
Boron 100%	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	121.65	121.65
Insecticide	100%	Acre	1	85.15	85.15
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	5.84	5.84
Defoliant	100%	Acre	1	17.02	17.02
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.828	1.25	6.04
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	10.17	10.17
Diesel Fuel, Harvest	100%	Gallons	5.732	1.25	7.16
Repairs and Maintenance, Harvest	100%	Acre	1	18.06	18.06
Irrigation Energy Cost	100%	Ac-In	12	2.24	26.91
Irrigation System Repairs & Maintenance		Ac-In	12	0.82	9.86
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.671	12.91	21.58
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	4.00	4.00
Crop Insurance	100%	Acre	1	8.00	8.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	559.51	13.29
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4					
Hauling, Ginning	100%	Lbs	1,200.00	0.10	120.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$572.80
Returns to Operating Expenses					\$207.20
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	142.00	142.00
Irrigation Equipment		Acre	1	66.45	66.45
Farm Overhead; See Note 5		Acre	1	8.76	8.76
Total Capital Recovery & Fixed Costs					\$217.20
TOTAL SPECIFIED EXPENSES					\$790.00
NET RETURNS					-\$10.00

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Technology fees vary by geographical location.

Note 3: Boll weevil eradication fee is \$4 in Arkansas.

Note 4: Cottonseed value deducted from post-harvest expenses for calculating operating expenses.

Note 5: Estimate based on machinery and equipment.

Table 36. 2016 Cotton Enterprise Budget, GLT, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	800.00	0.65	520.00
Cottonseed Value	100%	Ton	0.600	174.20	104.52
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees; See Note 2	100%	Acre	1	120.18	120.18
Nitrogen 100%	100%	Lbs	72	0.40	28.65
Phosphate (P2O5) 100%	100%	Lbs	20	0.42	8.48
Potash (K2O) 100%	100%	Lbs	40	0.25	10.17
Sulfur 100%	100%	Lbs	10	0.33	3.33
Boron 100%	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	121.65	121.65
Insecticide	100%	Acre	1	42.37	42.37
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.86	1.86
Defoliant	100%	Acre	1	15.94	15.94
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.087	1.25	6.36
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	10.85	10.85
Diesel Fuel, Harvest	100%	Gallons	5.732	1.25	7.16
Repairs and Maintenance, Harvest	100%	Acre	1	18.06	18.06
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance		Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.605	12.91	20.72
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	4.00	4.00
Crop Insurance	100%	Acre	1	8.00	8.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	442.78	10.52
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4					
Hauling, Ginning	100%	Lbs	800.00	0.10	80.00
Storage and Warehousing	100%	Bale	1.60	10.50	16.80
Promotions, Boards, Classing	100%	Bale	1.60	4.83	7.72
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$453.29
Returns to Operating Expenses					\$66.71
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	148.44	148.44
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 5		Acre	1	7.42	7.42
Total Capital Recovery & Fixed Costs					\$155.86
TOTAL SPECIFIED EXPENSES					\$609.16
NET RETURNS					-\$89.16

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Technology fees vary by geographical location.

Note 3: Boll weevil eradication fee is \$4 in Arkansas.

Note 4: Cottonseed value deducted from post-harvest expenses for calculating operating expenses.

Note 5: Estimate based on machinery and equipment.

Table 37. 2016 Cotton Enterprise Budget, Conventional, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Ton	0.900	174.20	156.78
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees; See Note 2	100%	Acre	1	45.13	45.13
Nitrogen 100%	100%	Lbs	94	0.40	37.60
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	10	0.33	3.33
Boron 100%	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	118.81	118.81
Insecticide	100%	Acre	1	93.42	93.42
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	5.84	5.84
Defoliant	100%	Acre	1	17.02	17.02
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.943	1.25	7.43
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	11.48	11.48
Diesel Fuel, Harvest	100%	Gallons	5.732	1.25	7.16
Repairs and Maintenance, Harvest	100%	Acre	1	18.06	18.06
Irrigation Energy Cost	100%	Ac-In	12	1.48	17.72
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.84
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.50	3.50
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.861	12.91	24.02
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	4.00	4.00
Crop Insurance	100%	Acre	1	8.00	8.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	489.32	11.62
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4					
Hauling, Ginning	100%	Lbs	1,200.00	0.10	120.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$500.94
Returns to Operating Expenses					\$279.06
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	152.24	152.24
Irrigation Equipment		Acre	1	16.50	16.50
Farm Overhead; See Note 5		Acre	1	8.02	8.02
Total Capital Recovery & Fixed Costs					\$176.76
TOTAL SPECIFIED EXPENSES					\$677.70
NET RETURNS					\$102.30

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Technology fees vary by geographical location.

Note 3: Boll weevil eradication fee is \$4 in Arkansas.

Note 4: Cottonseed value deducted from post-harvest expenses for calculating operating expenses.

Note 5: Estimate based on machinery and equipment.

Table 38. 2016 Cotton Enterprise Budget, Conventional, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Ton	0.900	174.20	156.78
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes Applicable Fees; See Note 2	100%	Acre	1	45.13	45.13
Nitrogen 100%	100%	Lbs	94	0.40	37.60
Phosphate (P2O5) 100%	100%	Lbs	30	0.42	12.72
Potash (K2O) 100%	100%	Lbs	60	0.25	15.25
Sulfur 100%	100%	Lbs	10	0.33	3.33
Boron 100%	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	118.81	118.81
Insecticide	100%	Acre	1	93.42	93.42
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	5.84	5.84
Defoliant	100%	Acre	1	17.02	17.02
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.559	1.25	6.95
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	11.07	11.07
Diesel Fuel, Harvest	100%	Gallons	5.732	1.25	7.16
Repairs and Maintenance, Harvest	100%	Acre	1	18.06	18.06
Irrigation Energy Cost	100%	Ac-In	12	2.24	26.91
Irrigation System Repairs & Maintenance		Ac-In	12	0.82	9.86
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.877	12.91	24.23
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	4.00	4.00
Crop Insurance	100%	Acre	1	8.00	8.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	501.35	11.91
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4					
Hauling, Ginning	100%	Lbs	1,200.00	0.10	120.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$513.26
Returns to Operating Expenses					\$266.74
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	148.64	148.64
Irrigation Equipment		Acre	1	66.45	66.45
Farm Overhead; See Note 5		Acre	1	9.09	9.09
Total Capital Recovery & Fixed Costs					\$224.18
TOTAL SPECIFIED EXPENSES					\$737.43
NET RETURNS					\$42.57

Note 1: Yield and inputs are based on Extension research data. Enter expected farm yield and inputs.

Note 2: Technology fees vary by geographical location.

Note 3: Boll weevil eradication fee is \$4 in Arkansas.

Note 4: Cottonseed value deducted from post-harvest expenses for calculating operating expenses.

Note 5: Estimate based on machinery and equipment.

Appendixes

Field Activities for Crop Enterprise Budgets

Table A-1. Corn Field Activities, Furrow Irrigation

Field Trip	Width	Activity	Stacked Gene
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,Zn (75-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	33,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Dual
Knife Rig	12 Row	Fertilizer	29 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	3.6 pt Halex GT, 2 qt Atrazine
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Combine	325 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-2. Corn Field Activities, Center Pivot Irrigation

Field Trip	Width	Activity	Stacked Gene
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,Zn (75-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	33,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Dual
Knife Rig	12 Row	Fertilizer	29 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	3.6 pt Halex GT, 2 qt Atrazine
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Combine	325 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-3. Corn Field Activities, No Irrigation

Field Trip	Width	Activity	Stacked Gene
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,Zn (50-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	26,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Dual
Knife Rig	12 Row	Fertilizer	30 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	3.6 pt Halex GT, 2 qt Atrazine
Combine	325 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-7. Sorghum Field Activities, Furrow Irrigated

Field Trip	Width	Activity	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	6.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	30 ft.	Fertilizer	165 Lbs Urea (46-0-0)
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Dual, 2.0 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Aerial Application		Insecticide	1.5 oz Transform
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-8. Sorghum Field Activities, Center Pivot Irrigated

Field Trip	Width	Activity	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	6.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	30 ft.	Fertilizer	165 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Dual, 2.0 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Aerial Application		Insecticide	1.5 oz Transform
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-9. Sorghum Field Activities, Nonirrigated

Field Trip	Width	Activity	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	4.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	30 ft.	Fertilizer	122 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Dual, 2.0 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Self-Propelled Sprayer	90 ft.	Insecticide	1.5 oz Transform
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-10. Rice Field Activities, Conventional Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	72 lbs seed per acre
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	12.8 oz Command
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0), 0.46 qt Agrotain treated
Flood Field			
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Stubble Roller	32 ft.	Manage Stubble	

Table A-11. Rice Field Activities, Clearfield Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	72 lbs seed per acre
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	12.8 oz Command
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	4 oz Newpath, 1.6 oz surfactant
Custom Aerial Application		Herbicide	4 oz Newpath, 1.6 oz surfactant
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0), 0.46 qt Agrotain treated
Flood Field			
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Stubble Roller	32 ft.	Manage Stubble	

Table A-12. Rice Field Activities, Hybrid Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	23 lbs seed per acre
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	12.8 oz Command
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil
Custom Aerial Application		Fertilizer	260 lb Urea (46-0-0), 0.52 qt Agrotain treated
Flood Field			
Custom Aerial Application		Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Stubble Roller	32 ft.	Manage Stubble	

Table A-13. Rice Field Activities, Clearfield Hybrid Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	23 lbs seed per acre
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	12.8 oz Command
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	4 oz Newpath, 1.6 oz surfactant
Custom Aerial Application		Herbicide	4 oz Newpath, 1.6 oz surfactant
Custom Aerial Application		Fertilizer	260 lb Urea (46-0-0), 0.52 qt Agrotain treated
Flood Field			
Custom Aerial Application		Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Stubble Roller	32 ft.	Manage Stubble	

Table A-14. Rice Field Activities, Conventional Seed, Zero Grade, No Till, Water Seeded

Field Trip	Width	Activity	
Ditcher		Fall	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Custom Aerial Application		Plant	120 lbs seed per acre
Custom Aerial Application		Herbicide	1 gal Duet
Custom Aerial Application		Herbicide	0.5 oz Regiment
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0)
Flood Field			
Custom Aerial Application		Insecticide	1.6 oz Karate
Custom Aerial Application		Herbicide	1.5 pt 2,4-D
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-15. Soybean Field Activities, RR, Furrow Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1.5 pt Blazer
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-16. Soybean Field Activities, RR, Center Pivot Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1.5 pt Blazer
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-17. Soybean Field Activities, RR, No Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1.5 pt Blazer
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-18. Soybean Field Activities, RR, Flood Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Field Cultivator	36 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1.5 pt Blazer
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Remove Levees			
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-19. Soybean Field Activities, LL, Furrow Irrigation

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-20. Soybean Field Activities, LL, Center Pivot Irrigation

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-21. Soybean Field Activities, LL, No Irrigation

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-22. Soybean Field Activities, LL, Flood Irrigation

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Field Cultivator	36 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Remove Levees			
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-23. Soybean Field Activities, Conventional, Furrow Irrigation

Field Trip	Width	Activity	Conventional
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Select Max, 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Storm
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-24. Soybean Field Activities, Conventional, Center Pivot Irrigation

Field Trip	Width	Activity	Conventional
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Select Max, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Storm
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-25. Soybean Field Activities, Conventional, No Irrigation

Field Trip	Width	Activity	Conventional
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Select Max, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Storm
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-26. Soybean Field Activities, Conventional, Flood Irrigation

Field Trip	Width	Activity	Conventional
Disk	32 ft.	Fall Tillage	
Field Cultivator	36 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	14 oz Authority MTZ
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Select Max, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Storm
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	Belt 3 oz
Custom Aerial Application		Fungicide	10 oz Quadris Top
Remove Levees			
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-27. Peanut Field Activities, Furrow Irrigated

Field Trip	Width	Activity	Peanut
Disk	32 ft.	Fall	
Subsoiler, 8 shank	25 ft.	Tillage	
Field Cultivator	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed P,K (0-30-50)
Hipper Bedder	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant with in-furrow Insecticide, Fungicide, Innoculant	9 oz Admire Pro, 5 oz Proline, 8 oz PRIMO for Peanuts
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	3 oz Valor, 2 pt Prowl
Row Crop Cultivator	12 row	Irrigation	
Poly Pipe			
Self-propelled sprayer	90 ft.	Herbicide	(12 oz Gramoxone for weeds or 10 oz Select for grasses), 1.5 pt Dual, 2 pt Blazer, 0.5 pt 2,4-DB
Self-propelled sprayer	90 ft.	Fungicide	2 pt Muscle ADV
Self-propelled sprayer	90 ft.	Fungicide	1.5 pt Convoy
Self-propelled sprayer	90 ft.	Fungicide	2 pt Muscle ADV
Digger/Inverter, 3.0 mph	6 row	Harvest	Supplied by buying company; Grower provides tractor
Vine Conditioner, 3.0 mph	6 row	Harvest	
Combine, 2.0 mph	6 row	Harvest	
Peanut Dump Cart (Wagon)	12,000 lb	Harvest	

Table A-28. Peanut Field Activities, Pivot Irrigated

Field Trip	Width	Activity	Peanut
Disk	32 ft.	Fall	
Subsoiler, 8 shank	25 ft.	Tillage	
Field Cultivator	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed P,K (0-30-50)
Hipper Bedder	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant with in-furrow Insecticide, Fungicide, Innoculant	9 oz Admire Pro, 5 oz Proline, 8 oz PRIMO for Peanuts
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	3 oz Valor, 2 pt Prowl
Self-propelled sprayer	90 ft.	Herbicide	(12 oz Gramoxone for weeds or 10 oz Select for grasses), 1.5 pt Dual, 2 pt Blazer, 0.5 pt 2,4-DB
Self-propelled sprayer	90 ft.	Fungicide	2 pt Muscle ADV
Self-propelled sprayer	90 ft.	Fungicide	1.5 pt Convoy
Self-propelled sprayer	90 ft.	Fungicide	2 pt Muscle ADV
Digger/Inverter, 3.0 mph	6 row	Harvest	Supplied by buying company; Grower provides tractor
Vine Conditioner, 3.0 mph	6 row	Harvest	
Combine, 2.0 mph	6 row	Harvest	
Peanut Dump Cart (Wagon)	12,000 lb	Harvest	

Table A-29. Peanut Field Activities, No Irrigation

Field Trip	Width	Activity	Peanut
Disk	32 ft.	Fall	
Subsoiler, 8 shank	25 ft.	Tillage	
Field Cultivator	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed P,K (0-30-50)
Hipper Bedder	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant with in-furrow Insecticide, Fungicide, Innoculant	9 oz Admire Pro, 5 oz Proline, 8 oz PRIMO for Peanuts
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	3 oz Valor, 2 pt Prowl
Self-propelled sprayer	90 ft.	Herbicide	(12 oz Gramoxone for weeds or 10 oz Select for grasses), 1.5 pt Dual, 2 pt Blazer, 0.5 pt 2,4-DB
Self-propelled sprayer	90 ft.	Fungicide	2 pt Muscle ADV
Self-propelled sprayer	90 ft.	Fungicide	1.5 pt Convoy
Self-propelled sprayer	90 ft.	Fungicide	2 pt Muscle ADV
Digger/Inverter, 3.0 mph	6 row	Harvest	Supplied by buying company; Grower provides tractor
Vine Conditioner, 3.0 mph	6 row	Harvest	
Combine, 2.0 mph	6 row	Harvest	
Peanut Dump Cart (Wagon)	12,000 lb	Harvest	

Table A-30. Wheat Field Activities

Field Trip	Width	Activity	
Disk	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	P,K (0-40-80)
Field Cultivator	32 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Ditcher		Tillage	
Grain Drill	30 ft.	Plant	100 lbs per acre
Fertilizer Spreader	30 ft.	Fertilizer	130 lbs Urea (46-0-0), 50 lbs Ammonia Sulfate (21-0-0-24)
Custom Aerial Application		Herbicide	16.4 oz Axial
Custom Aerial Application		Herbicide	0.6 oz Harmony Extra XP, 12 oz surfactant
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Custom Aerial Application		Fungicide	14 oz Quilt
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-31. Cotton Field Activities, GLB2, Furrow Irrigation

Field Trip	Width	Activity	GLB2
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Banvel
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Reflex
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Liberty, 1 pt Dual, 2 oz Centric, 6 oz Diamond, 10 oz Mepex
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Centric, 6 oz Diamond, 10 oz Mepex
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex, 20 oz Prevathon
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 6 oz Folex, 6 oz Prep
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-32. Cotton Field Activities, GLB2, Center Pivot Irrigation

Field Trip	Width	Activity	GLB2
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Banvel
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Reflex
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Liberty, 1 pt Dual, 2 oz Centric, 6 oz Diamond, 10 oz Mepex
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Centric, 6 oz Diamond, 10 oz Mepex
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex, 20 oz Prevathon
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 6 oz Folex, 6 oz Prep
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-33. Cotton Field Activities, GLB2, No Irrigation

Field Trip	Width	Activity	GLB2
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Banvel
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Reflex
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-20-40-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	12 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	29 oz Liberty, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide	2 oz Tranform
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Tranform, 14 oz Mepex
Self-Propelled Sprayer	90 ft.	Insecticide	0.75 lbs Acephate
Self-Propelled Sprayer	90 ft.	Defoliant	Folex , Prep 8 oz each
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

References

Deere & Company. *Products, Agriculture*. Moline, IL.

Available at: http://www.deere.com/en_US/industry/agriculture/agriculture.page?

Accessed October 2015.

Edwards, William. *Estimating Farm Machinery Costs*. Iowa State University, University Extension, Ames, IA, 2005.

Given, William. *Using Machinery Costs to Make Decisions*. AG ECON 91-003, Cooperative Extension Service, Extension Agricultural Economics The University of Georgia, Athens, GA, March 1991.

Kay, Ronald D. and William M. Edwards. *Farm Management, Fourth Edition*. WCB/McGraw-Hill, Boston, MA, 1999.

Lazurus, William F. and Roger A. Selly. *Suggested Procedures for Estimating Farm Machinery*. Staff Paper P02-16, Department of Applied Economics, College of Agricultural, Food, and Environmental Sciences, University of Minnesota-St. Paul, MN, December 2002.

Mississippi State University. *Planning Budgets*. Department of Agricultural Economics, Mississippi State University, Starkville, MS. Available at:

<http://www.agecon.msstate.edu/whatwedo/budgets.asp> Accessed October 2015.

U.S. Department of Agriculture, National Agricultural Statistics Service. *Farm Labor*. Washington, DC, May 2015.