



DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System

2019 Crop Enterprise Budgets

for Arkansas Field Crops Planted in 2019

2019 Crop Enterprise Budgets

November 2019

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Cooperative Extension Service

User's Guide for Interactive Crop Enterprise Budgets in Excel

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General Information

Crop enterprise budgets in Excel are interactive versions of the printed budgets contained in the publication *2019 Crop Enterprise Budgets*. Interactive budgets enable users to change data related to specific operations. Costs and returns are calculated based on changes within an Excel spreadsheet.

Crop Enterprise Budgets

Files for specific crops are interactive budgets for each crop. Users should mainly change data values of white cells. All cells that contain formulas calculating costs and returns are locked. The "Budget" worksheet includes grower percentages in column B for revenue and costs items to represent share rent circumstances. Percentage values represent grower share received as revenue or paid for an input. Enter revised percentage values as whole numbers with no decimals and the program will interpret the entries as percentages. Cells, open for changing in column D, are for alternative input levels. Open cells in column E are for alternative input prices.

Yield is entered in cell D3 and price in cell E3 of the "Budget" worksheet. Net returns are calculated in cell F52. Changing yield in cell D3 and price in cell E3 changes values in cells of columns F. The revised crop value is calculated in cell F3.

The "Seed-Chemical" worksheet contains information for seeds planted and chemicals applied to crops. Changes in the seed price are entered in cell D3. Changes in the price of chemicals are entered in cells of column D. Net returns are revised in cell F52 of the "Budget" worksheet.

The “Machine” worksheet allows users to make alternative equipment selections. Changes in cells of column B revise the number of field trips for an equipment unit. Alternatively, changes can be entered in cells for equipment prices, width, ground speed, and horse power. Entries in the “Machine” worksheet result in revisions to net returns in cell F52 of the “Budget” worksheet.

All files for individual crop budgets have identical formats and can be similarly revised by users changing values of any of the white cells.

Budget Summaries

Budget summaries include costs and returns comparisons between crops which are grouped by irrigation type. There are a total of three summary tables for surface irrigation, center pivot irrigation, and non-irrigated crops. Data for summary budgets are entered by users in the white cells with block outlines. Data results in the colored cells are automatically calculated by formulas and are locked. Formats of all summary tables are identical.

Example for Table S-1: Yields are entered in cells of row 3, and prices are entered in cells of row 4. Net returns to operating expenses are automatically calculated in cells of row 14. Changes in yields and prices result in changed values for cells in rows 14, 16, 18, and 19.

All in Table S-1, as well as crops in Table S-2 and Table S-3, are similarly revised by users changing values of any of the appropriate cells.



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2019 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 2018). 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 regional lenders as reported in late 2017. Representative prices for machinery and equipment are based on contacts with Arkansas dealers, industry list prices, and reference sources (Deere & Company 2018; MSU 2018). 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

	Cotton	Corn	Sorghum	Soybean	Hybrid Rice	Conv'l Rice
Receipts						
Yield (cotton-lb, peanut-ton, other-bu)	1200	210	105	60	190	170
Price (\$/yield unit)	0.70	3.50	3.35	8.60	5.15	5.15
Grower Share, %	100%	100%	100%	100%	100%	100%
Crop Revenue	840.00	735.00	351.75	516.00	978.50	875.50
¹ Gin Rebate/Bale						
Operating Expenses						
Input Costs	501.64	419.35	269.18	269.09	505.87	393.32
Other Operating Expenses	91.99	63.99	53.48	48.72	69.36	67.11
Total Operating Expenses	593.63	483.34	322.66	317.81	575.23	460.43
Post-harvest Expenses	179.88	94.50	27.30	18.78	114.67	102.60
² Net Operating Expenses	593.63	577.84	349.96	336.59	689.90	563.03
Cash Land Rent	0.00	0.00	0.00	0.00	0.00	0.00
³ Returns to Operating Expenses	246.37	157.16	1.79	179.41	288.60	312.47
Fixed Costs	188.39	111.33	92.63	95.34	130.72	130.72
⁴ Total Specified Expenses	782.02	689.17	442.59	431.93	820.62	693.75
³ Returns to Specified Expenses	57.98	45.83	-90.84	84.07	157.88	181.75
Operating Expenses/yield unit	0.49	2.75	3.33	5.61	3.63	3.31
Total Expenses ⁴ /yield unit	0.65	3.28	4.22	7.20	4.32	4.08
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	0.49	2.75	3.33	5.61	3.63	3.31
Total Cost/yield unit, including land	0.65	3.28	4.22	7.20	4.32	4.08

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	105	60	2.25
Price (\$/yield unit)	0.70	3.50	3.35	8.60	420.00
Grower Share, %	100%	100%	100%	100%	100%
Crop Revenue	840.00	735.00	351.75	516.00	945.00
¹Gin Rebate/Bale					
Operating Expenses					
Input Costs	512.85	435.97	243.03	272.97	337.65
Other Operating Expenses	96.89	71.36	57.30	54.49	79.33
Total Operating Expenses	609.74	507.33	300.33	327.46	416.98
Post-harvest Expenses	179.88	94.50	27.30	18.78	81.11
²Net Operating Expenses	609.74	601.83	327.63	346.24	498.09
Cash Land Rent	0.00	0.00	0.00	0.00	0.00
³Returns to Operating Expenses	230.26	133.17	24.12	169.76	446.91
Fixed Costs	239.17	175.17	138.14	150.02	239.07
⁴Total Specified Expenses	848.91	777.00	465.77	496.26	737.16
³Returns to Specified Expenses	-8.91	-42.00	-114.02	19.74	207.84
Operating Expenses/yield unit	0.51	2.87	3.12	5.77	221.37
Total Expenses ⁴ /yield unit	0.71	3.70	4.44	8.27	327.63
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	0.51	2.87	3.12	5.77	221.37
Total Cost/yield unit, including land	0.71	3.70	4.44	8.27	327.63

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	65	34	70	1.50
Price (\$/yield unit)	0.70	3.50	3.35	8.60	5.75	420.00
Grower Share, %	100%	100%	100%	100%	100%	100%
Crop Revenue	560.00	437.50	217.75	292.40	402.50	630.00
¹Gin Rebate/Bale						
Operating Expenses						
Input Costs	371.84	313.23	232.58	186.08	223.70	283.82
Other Operating Expenses	83.73	55.46	48.08	41.22	37.41	66.72
Total Operating Expenses	455.57	368.69	280.66	227.30	261.11	350.54
Post-harvest Expenses	119.92	56.25	16.90	10.64	19.60	54.08
²Net Operating Expenses	455.57	424.94	297.56	237.94	280.71	404.62
Cash Land Rent	0.00	0.00	0.00	0.00	0.00	0.00
³Returns to Operating Expenses	104.43	12.56	-79.81	54.46	121.79	225.38
Fixed Costs	169.93	86.27	76.53	72.76	63.69	161.81
⁴Total Specified Expenses	625.50	511.21	374.09	310.70	344.40	566.43
³Returns to Specified Expenses	-65.50	-73.71	-156.34	-18.30	58.10	63.57
Operating Expenses/yield unit	0.57	3.40	4.58	7.00	4.01	269.75
Total Expenses ⁴ /yield unit	0.78	4.09	5.76	9.14	4.92	377.62
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	3.40	4.58	7.00	4.01	269.75
Total Cost/yield unit, including land	0.78	4.09	5.76	9.14	4.92	377.62

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. 2019 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	3.50	735.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	124.00	124.00
Nitrogen 100%	100%	Lbs	200	0.46	92.44
Phosphate (0-46-0)	100%	Lbs	130	0.24	31.20
Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Ammonium Sulfate (21-0-0-24)	100%	Lbs	100	0.15	15.25
Zinc Sulfate	100%	Lbs	29.00	0.60	17.40
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	40.16	40.16
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	100	0.080	8.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.942	2.50	9.85
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.99	7.99
Diesel Fuel, Harvest	100%	Gallons	3.082	2.50	7.70
Repairs and Maintenance, Harvest	100%	Acre	1	11.87	11.87
Irrigation Energy Cost	100%	Ac-In	14	2.95	41.34
Irrigation System Repairs & Maintenance		Ac-In	14	0.24	3.36
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.918	13.40	12.30
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.00	473.87	9.48
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					\$577.85
Returns to Operating Expenses					\$157.15
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	85.32	85.32
Irrigation Equipment		Acre	1	21.74	21.74
Farm Overhead; See Note 3		Acre	1	4.27	4.27
Total Capital Recovery & Fixed Costs					\$111.33
TOTAL SPECIFIED EXPENSES					\$689.18
NET RETURNS					\$45.82

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 2. 2019 Corn Enterprise Budget, Stacked Gene, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	210.00	3.50	735.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	124.00	124.00
Nitrogen 100%	100%	Lbs	200	0.46	92.44
Phosphate (0-46-0)	100%	Lbs	130	0.24	31.20
Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Ammonium Sulfate (21-0-0-24)	100%	Lbs	100	0.15	15.25
Zinc Sulfate	100%	Lbs	29.00	0.60	17.40
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	40.16	40.16
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	100	0.080	8.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.557	2.50	8.89
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.77	7.77
Diesel Fuel, Harvest	100%	Gallons	3.082	2.50	7.70
Repairs and Maintenance, Harvest	100%	Acre	1	11.87	11.87
Irrigation Energy Cost	100%	Ac-In	14	4.49	62.80
Irrigation System Repairs & Maintenance		Ac-In	14	0.83	11.68
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.828	13.40	11.09
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.00	497.38	9.95
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					\$601.83
Returns to Operating Expenses					\$133.17
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	82.16	82.16
Irrigation Equipment		Acre	1	88.90	88.90
Farm Overhead; See Note 3		Acre	1	4.11	4.11
Total Capital Recovery & Fixed Costs					\$175.17
TOTAL SPECIFIED EXPENSES					\$777.00
NET RETURNS					-\$42.00

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 3. 2019 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	3.50	437.50
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	100.75	100.75
Nitrogen 100%	100%	Lbs	138	0.46	63.75
Phosphate (0-46-0)	100%	Lbs	130	0.24	31.20
Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Ammonium Sulfate (21-0-0-24)	100%	Lbs	100	0.15	15.25
Zinc Sulfate	100%	Lbs	29.00	0.60	17.40
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	40.16	40.16
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.557	2.50	8.89
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.77	7.77
Diesel Fuel, Harvest	100%	Gallons	3.082	2.50	7.70
Repairs and Maintenance, Harvest	100%	Acre	1	11.87	11.87
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)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.716	13.40	9.59
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.00	361.46	7.23
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					\$424.94
Returns to Operating Expenses					\$12.56
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	82.16	82.16
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 3		Acre	1	4.11	4.11
Total Capital Recovery & Fixed Costs					\$86.27
TOTAL SPECIFIED EXPENSES					\$511.21
NET RETURNS					-\$73.71

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 4. 2019 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	3.50	735.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	90.00	90.00
Nitrogen 100%	100%	Lbs	200	0.46	92.44
Phosphate (0-46-0)	100%	Lbs	130	0.24	31.20
Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Ammonium Sulfate (21-0-0-24)	100%	Lbs	100	0.15	15.25
Zinc Sulfate	100%	Lbs	29.00	0.60	17.40
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	40.38	40.38
Insecticide	100%	Acre	1	16.19	16.19
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	8.00	8.00
Air Application: Lbs.	100%	Lbs	100	0.080	8.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.052	2.50	10.13
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.34	7.34
Diesel Fuel, Harvest	100%	Gallons	3.082	2.50	7.70
Repairs and Maintenance, Harvest	100%	Acre	1	11.87	11.87
Irrigation Energy Cost	100%	Ac-In	14	2.95	41.34
Irrigation System Repairs & Maintenance		Ac-In	14	0.24	3.36
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.929	13.40	12.45
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.30	464.05	9.98
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					\$568.53
Returns to Operating Expenses					\$166.47
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	84.29	84.29
Irrigation Equipment		Acre	1	21.74	21.74
Farm Overhead; See Note 3		Acre	1	4.21	4.21
Total Capital Recovery & Fixed Costs					\$110.24
TOTAL SPECIFIED EXPENSES					\$678.77
NET RETURNS					\$56.23

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 5. 2019 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	3.50	735.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	90.00	90.00
Nitrogen 100%	100%	Lbs	200	0.46	92.44
Phosphate (0-46-0)	100%	Lbs	130	0.24	31.20
Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Ammonium Sulfate (21-0-0-24)	100%	Lbs	100	0.15	15.25
Zinc Sulfate 100%	100%	Lbs	29.00	0.60	17.40
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	40.38	40.38
Insecticide	100%	Acre	1	16.19	16.19
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	8.00	8.00
Air Application: Lbs.	100%	Lbs	100	0.080	8.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.275	2.50	8.19
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.67	6.67
Diesel Fuel, Harvest	100%	Gallons	3.082	2.50	7.70
Repairs and Maintenance, Harvest	100%	Acre	1	11.87	11.87
Irrigation Energy Cost	100%	Ac-In	14	4.49	62.80
Irrigation System Repairs & Maintenance		Ac-In	14	0.83	11.68
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.799	13.40	10.70
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.30	485.59	10.44
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					\$590.53
Returns to Operating Expenses					\$144.47
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	77.41	77.41
Irrigation Equipment		Acre	1	88.90	88.90
Farm Overhead; See Note 3		Acre	1	3.87	3.87
Total Capital Recovery & Fixed Costs					\$170.19
TOTAL SPECIFIED EXPENSES					\$760.71
NET RETURNS					-\$25.71

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 6. 2019 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	3.50	437.50
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	73.13	73.13
Nitrogen 100%	100%	Lbs	138	0.46	63.75
Phosphate (0-46-0)	100%	Lbs	130	0.24	31.20
Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Ammonium Sulfate (21-0-0-24)	100%	Lbs	100	0.15	15.25
Zinc Sulfate 100%	100%	Lbs	29.00	0.60	17.40
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	40.38	40.38
Insecticide	100%	Acre	1	16.19	16.19
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	8.00	8.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.275	2.50	8.19
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.67	6.67
Diesel Fuel, Harvest	100%	Gallons	3.082	2.50	7.70
Repairs and Maintenance, Harvest	100%	Acre	1	11.87	11.87
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)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.687	13.40	9.20
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.00	356.04	7.12
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					\$419.42
Returns to Operating Expenses					\$18.08
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	77.41	77.41
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 3		Acre	1	3.87	3.87
Total Capital Recovery & Fixed Costs					\$81.28
TOTAL SPECIFIED EXPENSES					\$500.70
NET RETURNS					-\$63.20

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 7. 2019 Grain Sorghum Enterprise Budget, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	105.00	3.35	351.75
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	15.60	15.60
Nitrogen 100%	100%	Lbs	110	0.46	51.00
Phosphate (0-46-0)	100%	Lbs	130	0.52	67.83
Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	29.10	29.10
Insecticide	100%	Acre	1	20.59	20.59
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	8.00	8.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.643	2.50	9.11
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.58	6.58
Diesel Fuel, Harvest	100%	Gallons	2.568	2.50	6.42
Repairs and Maintenance, Harvest	100%	Acre	1	8.06	8.06
Irrigation Energy Cost	100%	Ac-In	10	2.95	29.53
Irrigation System Repairs & Maintenance		Ac-In	10	0.24	2.40
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.829	13.40	11.11
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.00	316.33	6.33
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	105.00	0.00	0.00
Hauling	100%	Bu.	105.00	0.25	26.25
Check Off, Boards	100%	Bu.	105.00	0.01	1.05
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$349.95
Returns to Operating Expenses					\$1.80
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	72.22	72.22
Irrigation Equipment		Acre	1	16.80	16.80
Farm Overhead; See Note 3		Acre	1	3.61	3.61
Total Capital Recovery & Fixed Costs					\$92.63
TOTAL SPECIFIED EXPENSES					\$442.58
NET RETURNS					-\$90.83

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 8. 2019 Grain Sorghum Enterprise Budget, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	105.00	3.35	351.75
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	15.60	15.60
Nitrogen 100%	100%	Lbs	110	0.46	51.00
Phosphate (0-46-0)	100%	Lbs	130	0.24	31.20
Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	29.10	29.10
Insecticide	100%	Acre	1	20.59	20.59
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	1	8.00	8.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.259	2.50	8.15
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.35	6.35
Diesel Fuel, Harvest	100%	Gallons	2.568	2.50	6.42
Repairs and Maintenance, Harvest	100%	Acre	1	8.06	8.06
Irrigation Energy Cost	100%	Ac-In	10	4.49	44.85
Irrigation System Repairs & Maintenance		Ac-In	10	0.83	8.35
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.720	13.40	9.65
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.00	294.45	5.89
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	105.00	0.00	0.00
Hauling	100%	Bu.	105.00	0.25	26.25
Check Off, Boards	100%	Bu.	105.00	0.01	1.05
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$327.64
Returns to Operating Expenses					\$24.11
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	69.07	69.07
Irrigation Equipment		Acre	1	65.62	65.62
Farm Overhead; See Note 3		Acre	1	3.45	3.45
Total Capital Recovery & Fixed Costs					\$138.14
TOTAL SPECIFIED EXPENSES					\$465.78
NET RETURNS					-\$114.03

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 9. 2019 Grain Sorghum Enterprise Budget, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	65.00	3.35	217.75
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	10.80	10.80
Nitrogen 100%	100%	Lbs	92	0.46	42.50
Phosphate (0-46-0)	100%	Lbs	130	0.52	67.83
Potash (0-0-60)	100%	Lbs	150	0.31	46.88
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	3.67	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	29.10	29.10
Insecticide	100%	Acre	1	20.59	20.59
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.388	2.50	8.47
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.74	6.74
Diesel Fuel, Harvest	100%	Gallons	2.568	2.50	6.42
Repairs and Maintenance, Harvest	100%	Acre	1	8.06	8.06
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)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.655	13.40	8.78
Scouting/Consultant Fee	100%	Acre	1	6.00	6.00
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 %	4.00	275.15	5.50
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	65.00	0.00	0.00
Hauling	100%	Bu.	65.00	0.25	16.25
Check Off, Boards	100%	Bu.	65.00	0.01	0.65
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$297.56
Returns to Operating Expenses					-\$79.81
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	72.89	72.89
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 3		Acre	1	3.64	3.64
Total Capital Recovery & Fixed Costs					\$76.53
TOTAL SPECIFIED EXPENSES					\$374.09
NET RETURNS					-\$156.34

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 10. 2019 Rice Enterprise Budget, Conventional Seed

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	170.00	5.15	875.50
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	40.32	40.32
Nitrogen 100%	100%	Lbs	152	0.46	70.13
Phosphate (0-46-0)	100%	Lbs	87	0.24	20.88
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Zinc Sulfate	100%	Lbs	0.00	0.55	0.00
Agrotain, Other Nutrients	100%	Acre	1.00	9.09	9.09
Herbicide	100%	Acre	1	65.83	65.83
Insecticide	100%	Acre	1	0.75	0.75
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	4	8.00	32.00
Air Application: Lbs.	100%	Lbs	330	0.080	26.40
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.363	2.50	10.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.92	6.92
Diesel Fuel, Harvest	100%	Gallons	3.595	2.50	8.99
Repairs and Maintenance, Harvest	100%	Acre	1	13.11	13.11
Irrigation Energy Cost	100%	Ac-In	30	2.95	88.58
Irrigation System Repairs & Maintenance		Ac-In	30	0.24	7.20
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.70	0.70
Labor, Field Activities	100%	Hrs	0.959	13.40	12.85
Scouting/Consultant Fee	100%	Acre	1	8.00	8.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	10.00	10.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	451.40	9.03
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	170.00	0.40	68.00
Hauling	100%	Bu.	170.00	0.19	32.30
Check Off, Boards	100%	Bu.	170.00	0.01	2.30
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$563.03
Returns to Operating Expenses					\$312.47
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	84.95	84.95
Irrigation Equipment		Acre	1	41.52	41.52
Farm Overhead; See Note 3		Acre	1	4.25	4.25
Total Capital Recovery & Fixed Costs					\$130.72
TOTAL SPECIFIED EXPENSES					\$693.74
NET RETURNS					\$181.76

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 11. 2019 Rice Enterprise Budget, Clearfield Seed

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	170.00	5.15	875.50
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	97.20	97.20
Nitrogen 100%	100%	Lbs	152	0.46	70.13
Phosphate (0-46-0)	100%	Lbs	87	0.24	20.88
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Zinc Sulfate	100%	Lbs	0.00	0.55	0.00
Agrotain, Other Nutrients	100%	Acre	1.00	9.09	9.09
Herbicide	100%	Acre	1	53.60	53.60
Insecticide	100%	Acre	1	0.75	0.75
Fungicide	100%	Acre	1	25.43	25.43
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	5	8.00	40.00
Air Application: Lbs.	100%	Lbs	330	0.080	26.40
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.363	2.50	10.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.92	6.92
Diesel Fuel, Harvest	100%	Gallons	3.595	2.50	8.99
Repairs and Maintenance, Harvest	100%	Acre	1	13.11	13.11
Irrigation Energy Cost	100%	Ac-In	30	2.95	88.58
Irrigation System Repairs & Maintenance		Ac-In	30	0.24	7.20
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.70	0.70
Labor, Field Activities	100%	Hrs	0.959	13.40	12.85
Scouting/Consultant Fee	100%	Acre	1	8.00	8.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	10.00	10.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	529.48	10.59
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	170.00	0.40	68.00
Hauling	100%	Bu.	170.00	0.19	32.30
Check Off, Boards	100%	Bu.	170.00	0.01	2.30
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$642.67
Returns to Operating Expenses					\$232.83
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	84.95	84.95
Irrigation Equipment		Acre	1	41.52	41.52
Farm Overhead; See Note 3		Acre	1	4.25	4.25
Total Capital Recovery & Fixed Costs					\$130.72
TOTAL SPECIFIED EXPENSES					\$773.38
NET RETURNS					\$102.12

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 12. 2019 Rice Enterprise Budget, Hybrid Seed

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	190.00	5.15	978.50
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	142.60	142.60
Nitrogen 100%	100%	Lbs	152	0.46	70.13
Phosphate (0-46-0)	100%	Lbs	87	0.24	20.88
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Zinc Sulfate	100%	Lbs	0.00	0.55	0.00
Agrotain, Other Nutrients	100%	Acre	1.00	10.27	10.27
Herbicide	100%	Acre	1	65.83	65.83
Insecticide	100%	Acre	1	0.75	0.75
Fungicide	100%	Acre	1	14.69	14.69
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	4	8.00	32.00
Air Application: Lbs.	100%	Lbs	260	0.080	20.80
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.363	2.50	10.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.92	6.92
Diesel Fuel, Harvest	100%	Gallons	3.595	2.50	8.99
Repairs and Maintenance, Harvest	100%	Acre	1	13.11	13.11
Irrigation Energy Cost	100%	Ac-In	30	2.95	88.58
Irrigation System Repairs & Maintenance		Ac-In	30	0.24	7.20
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.70	0.70
Labor, Field Activities	100%	Hrs	0.959	13.40	12.85
Scouting/Consultant Fee	100%	Acre	1	8.00	8.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	10.00	10.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	563.95	11.28
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	190.00	0.40	76.00
Hauling	100%	Bu.	190.00	0.19	36.10
Check Off, Boards	100%	Bu.	190.00	0.01	2.57
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$689.90
Returns to Operating Expenses					\$288.60
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	84.95	84.95
Irrigation Equipment		Acre	1	41.52	41.52
Farm Overhead; See Note 3		Acre	1	4.25	4.25
Total Capital Recovery & Fixed Costs					\$130.72
TOTAL SPECIFIED EXPENSES					\$820.61
NET RETURNS					\$157.89

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 13. 2019 Rice Enterprise Budget, Clearfield Hybrid Seed

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	190.00	5.15	978.50
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	161.00	161.00
Nitrogen 100%	100%	Lbs	152	0.46	70.13
Phosphate (0-46-0)	100%	Lbs	87	0.24	20.88
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Zinc Sulfate	100%	Lbs	0.00	0.55	0.00
Agrotain, Other Nutrients	100%	Acre	1.00	10.27	10.27
Herbicide	100%	Acre	1	53.60	53.60
Insecticide	100%	Acre	1	0.75	0.75
Fungicide	100%	Acre	1	14.69	14.69
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	5	8.00	40.00
Air Application: Lbs.	100%	Lbs	260	0.080	20.80
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.363	2.50	10.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.92	6.92
Diesel Fuel, Harvest	100%	Gallons	3.595	2.50	8.99
Repairs and Maintenance, Harvest	100%	Acre	1	13.11	13.11
Irrigation Energy Cost	100%	Ac-In	30	2.95	88.58
Irrigation System Repairs & Maintenance		Ac-In	30	0.24	7.20
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.70	0.70
Labor, Field Activities	100%	Hrs	0.959	13.40	12.85
Scouting/Consultant Fee	100%	Acre	1	8.00	8.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	10.00	10.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	578.13	11.56
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	190.00	0.40	76.00
Hauling	100%	Bu.	190.00	0.19	36.10
Check Off, Boards	100%	Bu.	190.00	0.01	2.57
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$704.35
Returns to Operating Expenses					\$274.15
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	84.95	84.95
Irrigation Equipment		Acre	1	41.52	41.52
Farm Overhead; See Note 3		Acre	1	4.25	4.25
Total Capital Recovery & Fixed Costs					\$130.72
TOTAL SPECIFIED EXPENSES					\$835.07
NET RETURNS					\$143.43

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 14. 2019 Rice Enterprise Budget, Conventional Seed, Water Seeded

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	170.00	5.15	875.50
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	67.20	67.20
Nitrogen 100%	100%	Lbs	152	0.46	70.13
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	0	0.19	0.00
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Zinc Sulfate	100%	Lbs	0.00	0.55	0.00
Agrotain, Other Nutrients	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	44.89	44.89
Insecticide	100%	Acre	1	1.50	1.50
Fungicide	100%	Acre	1	23.50	23.50
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	6	8.00	48.00
Air Application: Lbs.	100%	Lbs	330	0.080	26.40
Other Custom Hire, Air Seeding	100%	Acre	1	8.00	8.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	0.161	2.50	0.40
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	0.40	0.40
Diesel Fuel, Harvest	100%	Gallons	3.595	2.50	8.99
Repairs and Maintenance, Harvest	100%	Acre	1	13.11	13.11
Irrigation Energy Cost	100%	Ac-In	24	2.95	70.87
Irrigation System Repairs & Maintenance		Ac-In	24	0.24	5.76
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.418	13.40	5.60
Scouting/Consultant Fee	100%	Acre	1	8.00	8.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	10.00	10.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	412.76	8.26
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	170.00	0.40	68.00
Hauling	100%	Bu.	170.00	0.19	32.30
Check Off, Boards	100%	Bu.	170.00	0.01	2.30
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$523.61
Returns to Operating Expenses					\$351.89
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	50.74	50.74
Irrigation Equipment		Acre	1	34.10	34.10
Farm Overhead; See Note 3		Acre	1	2.54	2.54
Total Capital Recovery & Fixed Costs					\$87.38
TOTAL SPECIFIED EXPENSES					\$610.99
NET RETURNS					\$264.51

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Soybean Enterprise Budget, RR, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	64.82	64.82
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.24	21.60
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	62.85	62.85
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.950	2.50	9.87
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.57	8.57
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.786	13.40	10.53
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	311.58	6.23
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$336.59
Returns to Operating Expenses					\$179.41
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	72.45	72.45
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 3		Acre	1	3.62	3.62
Total Capital Recovery & Fixed Costs					\$95.34
TOTAL SPECIFIED EXPENSES					\$431.94
NET RETURNS					\$84.06

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 16. 2019 Soybean Enterprise Budget, RR, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	64.82	64.82
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.21	19.13
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	55.65	55.65
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.565	2.50	8.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance		Ac-In	12	0.83	10.01
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.686	13.40	9.19
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	321.03	6.42
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$346.23
Returns to Operating Expenses					\$169.77
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	69.30	69.30
Irrigation Equipment		Acre	1	77.26	77.26
Farm Overhead; See Note 3		Acre	1	3.46	3.46
Total Capital Recovery & Fixed Costs					\$150.02
TOTAL SPECIFIED EXPENSES					\$496.26
NET RETURNS					\$19.74

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 17. 2019 Soybean Enterprise Budget, RR, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	34.00	8.60	292.40
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	47.53	47.53
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	40	0.24	9.60
Potash (0-0-60)	100%	Lbs	60	0.19	11.25
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	56.90	56.90
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.565	2.50	8.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
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)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.590	13.40	7.91
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	222.85	4.46
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	34.00	0.00	0.00
Hauling	100%	Bu.	34.00	0.27	9.18
Check Off, Boards	100%	Bu.	34.00	0.04	1.46
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$237.95
Returns to Operating Expenses					\$54.45
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	69.30	69.30
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 3		Acre	1	3.46	3.46
Total Capital Recovery & Fixed Costs					\$72.76
TOTAL SPECIFIED EXPENSES					\$310.71
NET RETURNS					-\$18.31

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 18. 2019 Soybean Enterprise Budget, RR, Flood Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	72.32	72.32
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.24	21.60
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	62.85	62.85
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.093	2.50	10.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.93	7.93
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.70	0.70
Labor, Field Activities	100%	Hrs	0.795	13.40	10.65
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	315.74	6.31
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$340.84
Returns to Operating Expenses					\$175.16
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	70.18	70.18
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 3		Acre	1	3.51	3.51
Total Capital Recovery & Fixed Costs					\$92.96
TOTAL SPECIFIED EXPENSES					\$433.79
NET RETURNS					\$82.21

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Soybean Enterprise Budget, LL, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	72.32	72.32
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.24	21.60
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	79.63	79.63
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.342	2.50	10.86
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	9.02	9.02
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.826	13.40	11.07
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	337.83	6.76
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$363.37
Returns to Operating Expenses					\$152.63
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	76.17	76.17
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 3		Acre	1	3.81	3.81
Total Capital Recovery & Fixed Costs					\$99.25
TOTAL SPECIFIED EXPENSES					\$462.62
NET RETURNS					\$53.38

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 20. 2019 Soybean Enterprise Budget, LL, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	72.32	72.32
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	90	0.52	46.96
Potash (K2O) 100%	100%	Lbs	100	0.31	31.25
Sulfur 100%	100%	Lbs	0	0.36	0.00
Boron 100%	100%	Lbs	0.00	3.67	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	79.63	79.63
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.565	2.50	8.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance		Ac-In	12	0.83	10.01
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.686	13.40	9.19
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	392.85	7.86
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$419.48
Returns to Operating Expenses					\$96.52
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	69.30	69.30
Irrigation Equipment		Acre	1	77.26	77.26
Farm Overhead; See Note 3		Acre	1	3.46	3.46
Total Capital Recovery & Fixed Costs					\$150.02
TOTAL SPECIFIED EXPENSES					\$569.51
NET RETURNS					-\$53.51

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 21. 2019 Soybean Enterprise Budget, LL, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	34.00	8.60	292.40
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	53.03	53.03
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.24	21.60
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	79.63	79.63
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.565	2.50	8.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
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)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.590	13.40	7.91
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	270.58	5.41
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	34.00	0.00	0.00
Hauling	100%	Bu.	34.00	0.27	9.18
Check Off, Boards	100%	Bu.	34.00	0.04	1.46
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$286.63
Returns to Operating Expenses					\$5.77
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	69.30	69.30
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 3		Acre	1	3.46	3.46
Total Capital Recovery & Fixed Costs					\$72.76
TOTAL SPECIFIED EXPENSES					\$359.39
NET RETURNS					-\$66.99

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 22. 2019 Soybean Enterprise Budget, LL, Flood Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	72.32	72.32
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.24	21.60
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	79.63	79.63
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.093	2.50	10.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.93	7.93
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.70	0.70
Labor, Field Activities	100%	Hrs	0.795	13.40	10.65
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	332.52	6.65
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$357.95
Returns to Operating Expenses					\$158.05
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	70.18	70.18
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 3		Acre	1	3.51	3.51
Total Capital Recovery & Fixed Costs					\$92.96
TOTAL SPECIFIED EXPENSES					\$450.91
NET RETURNS					\$65.09

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 23. 2019 Soybean Enterprise Budget, Conventional, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	43.40	43.40
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	40	0.24	9.60
Potash (0-0-60)	100%	Lbs	60	0.19	11.25
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	71.94	71.94
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.342	2.50	10.86
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	9.02	9.02
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	3.02	36.28
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.826	13.40	11.07
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	282.58	5.65
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$307.01
Returns to Operating Expenses					\$208.99
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	76.17	76.17
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 3		Acre	1	3.81	3.81
Total Capital Recovery & Fixed Costs					\$99.25
TOTAL SPECIFIED EXPENSES					\$406.25
NET RETURNS					\$109.75

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 24. 2019 Soybean Enterprise Budget, Conventional, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	43.40	43.40
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (P2O5) 100%	100%	Lbs	90	0.52	46.96
Potash (K2O) 100%	100%	Lbs	100	0.31	31.25
Sulfur 100%	100%	Lbs	0	0.36	0.00
Boron 100%	100%	Lbs	0.00	3.67	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	71.94	71.94
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.565	2.50	8.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance		Ac-In	12	0.83	10.01
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.686	13.40	9.19
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	356.24	7.12
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$382.14
Returns to Operating Expenses					\$133.86
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	69.30	69.30
Irrigation Equipment		Acre	1	77.26	77.26
Farm Overhead; See Note 3		Acre	1	3.46	3.46
Total Capital Recovery & Fixed Costs					\$150.02
TOTAL SPECIFIED EXPENSES					\$532.17
NET RETURNS					-\$16.17

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 25. 2019 Soybean Enterprise Budget, Conventional, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	34.00	8.60	292.40
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	31.82	31.82
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.24	21.60
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 100%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	71.94	71.94
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.565	2.50	8.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	8.35	8.35
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
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)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.590	13.40	7.91
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	241.68	4.83
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	34.00	0.00	0.00
Hauling	100%	Bu.	34.00	0.27	9.18
Check Off, Boards	100%	Bu.	34.00	0.04	1.46
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$257.16
Returns to Operating Expenses					\$35.24
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	69.30	69.30
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 3		Acre	1	3.46	3.46
Total Capital Recovery & Fixed Costs					\$72.76
TOTAL SPECIFIED EXPENSES					\$329.92
NET RETURNS					-\$37.52

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 26. 2019 Soybean Enterprise Budget, Conventional, Flood Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	43.40	43.40
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.24	21.60
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	71.94	71.94
Insecticide	100%	Acre	1	17.23	17.23
Fungicide	100%	Acre	1	13.67	13.67
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	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.093	2.50	10.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	7.93	7.93
Diesel Fuel, Harvest	100%	Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	1	0.70	0.70
Labor, Field Activities	100%	Hrs	0.795	13.40	10.65
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	7.21	7.21
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	295.92	5.92
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.27	16.20
Check Off, Boards	100%	Bu.	60.00	0.04	2.58
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$320.61
Returns to Operating Expenses					\$195.39
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	70.18	70.18
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 3		Acre	1	3.51	3.51
Total Capital Recovery & Fixed Costs					\$92.96
TOTAL SPECIFIED EXPENSES					\$413.57
NET RETURNS					\$102.43

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 27. 2019 Peanut Enterprise Budget, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Tons	2.25	420.00	945.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	103.50	103.50
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	65	0.24	15.60
Potash (0-0-60)	100%	Lbs	85	0.19	15.94
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	50.90	50.90
Insecticide	100%	Acre	1	13.50	13.50
Nematicide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	41.56	41.56
Other Chemical	100%	Acre	1	9.00	9.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	7.931	2.50	19.83
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	14.42	14.42
Diesel Fuel, Harvest	100%	Gallons	6.246	2.50	15.61
Repairs and Maintenance, Harvest	100%	Acre	1	10.25	10.25
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.823	13.40	24.43
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
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 %	4.00	390.74	7.81
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	20.00	45.00
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					\$479.67
Returns to Operating Expenses					\$465.33
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	157.15	157.15
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 3		Acre	1	7.86	7.86
Total Capital Recovery & Fixed Costs					\$184.28
TOTAL SPECIFIED EXPENSES					\$663.95
NET RETURNS					\$281.05

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 28. 2019 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	420.00	945.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	103.50	103.50
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	65	0.24	15.60
Potash (0-0-60)	100%	Lbs	85	0.19	15.94
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	50.90	50.90
Insecticide	100%	Acre	1	13.50	13.50
Nematicide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	41.56	41.56
Other Chemical	100%	Acre	1	9.00	9.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	7.283	2.50	18.21
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	14.13	14.13
Diesel Fuel, Harvest	100%	Gallons	6.246	2.50	15.61
Repairs and Maintenance, Harvest	100%	Acre	1	10.25	10.25
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance		Ac-In	12	0.83	10.01
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.698	13.40	22.75
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
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 %	4.00	408.80	8.18
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	20.00	45.00
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					\$498.09
Returns to Operating Expenses					\$446.91
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	154.10	154.10
Irrigation Equipment		Acre	1	77.26	77.26
Farm Overhead; See Note 3		Acre	1	7.71	7.71
Total Capital Recovery & Fixed Costs					\$239.07
TOTAL SPECIFIED EXPENSES					\$737.16
NET RETURNS					\$207.84

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 29. 2019 Peanut Enterprise Budget, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Tons	1.50	420.00	630.00
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	103.50	103.50
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	65	0.24	15.60
Potash (0-0-60)	100%	Lbs	85	0.19	15.94
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	50.90	50.90
Insecticide	100%	Acre	1	13.50	13.50
Nematicide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	41.56	41.56
Other Chemical	100%	Acre	1	9.00	9.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	7.283	2.50	18.21
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	14.13	14.13
Diesel Fuel, Harvest	100%	Gallons	6.246	2.50	15.61
Repairs and Maintenance, Harvest	100%	Acre	1	10.25	10.25
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)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.602	13.40	21.47
Scouting/Consultant Fee	100%	Acre	1	7.00	7.00
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 %	4.00	343.67	6.87
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	20.00	30.00
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					\$404.62
Returns to Operating Expenses					\$225.38
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	154.10	154.10
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 3		Acre	1	7.71	7.71
Total Capital Recovery & Fixed Costs					\$161.81
TOTAL SPECIFIED EXPENSES					\$566.43
NET RETURNS					\$63.57

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 30. 2019 Wheat Enterprise Budget

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	70.00	5.75	402.50
OPERATING EXPENSES					
		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	1	35.00	35.00
Nitrogen 100%	100%	Lbs	110	0.46	51.00
Phosphate (0-46-0)	100%	Lbs	110	0.24	26.40
Potash (0-0-60)	100%	Lbs	135	0.19	25.31
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.15	7.63
Boron 15%	100%	Lbs	0.00	0.55	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	27.20	27.20
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	13.67	13.67
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	1	7.50	7.50
Air Application: Fertilizer & Chemical	100%	Acre	1	8.00	8.00
Air Application: Lbs.	100%	Lbs	100	0.080	8.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.027	2.50	7.57
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.01	6.01
Diesel Fuel, Harvest	100%	Gallons	2.568	2.50	6.42
Repairs and Maintenance, Harvest	100%	Acre	1	8.06	8.06
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)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.614	13.40	8.22
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	10.00	10.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	259.99	5.12
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	0.27	18.90
Check Off, Boards	100%	Bu.	70.00	0.01	0.70
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$280.71
Returns to Operating Expenses					\$121.79
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.66	60.66
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 3		Acre	1	3.03	3.03
Total Capital Recovery & Fixed Costs					\$63.69
TOTAL SPECIFIED EXPENSES					\$344.40
NET RETURNS					\$58.10

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Estimate based on machinery and equipment.

Table 31. 2019 Cotton Enterprise Budget, B2XF, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	199.87	179.88
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	81	0.46	37.19
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.15	7.63
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	26.00	26.00
Herbicide	100%	Acre	1	96.09	96.09
Insecticide	100%	Acre	1	97.74	97.74
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	4.16	4.16
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.130	2.50	15.33
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.74	12.74
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.854	13.40	24.85
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	581.99	11.64
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	20.00	48.00
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$593.63
Returns to Operating Expenses					\$246.37
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	161.07	161.07
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 5		Acre	1	8.05	8.05
Total Capital Recovery & Fixed Costs					\$188.39
TOTAL SPECIFIED EXPENSES					\$782.02
NET RETURNS					\$57.98

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Boll weevil eradication fee is \$3 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. 2019 Cotton Enterprise Budget, B2XF, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	199.87	179.88
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	81	0.46	37.19
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.15	7.63
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	26.00	26.00
Herbicide	100%	Acre	1	94.73	94.73
Insecticide	100%	Acre	1	97.74	97.74
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	4.16	4.16
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.353	2.50	13.38
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.07	12.07
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance		Ac-In	12	0.83	10.01
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.714	13.40	22.97
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	597.79	11.96
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	20.00	48.00
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$609.74
Returns to Operating Expenses					\$230.26
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	154.19	154.19
Irrigation Equipment		Acre	1	77.26	77.26
Farm Overhead; See Note 5		Acre	1	7.71	7.71
Total Capital Recovery & Fixed Costs					\$239.17
TOTAL SPECIFIED EXPENSES					\$848.91
NET RETURNS					-\$8.91

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Boll weevil eradication fee is \$3 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. 2019 Cotton Enterprise Budget, B2XF, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	800.00	0.70	560.00
Cottonseed Value	100%	Ton	0.600	199.87	119.92
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	69	0.46	31.88
Phosphate (P2O5) 100%	100%	Lbs	0	0.24	0.00
Potash (K2O) 100%	100%	Lbs	75	0.19	14.06
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 100%	100%	Lbs	1.00	3.67	3.67
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	19.50	19.50
Herbicide	100%	Acre	1	94.73	94.73
Insecticide	100%	Acre	1	49.33	49.33
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.75	1.75
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.612	2.50	14.03
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.83	12.83
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
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)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.648	13.40	22.08
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	446.63	8.93
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	20.00	32.00
Promotions, Boards, Classing	100%	Bale	1.60	4.95	7.92
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$455.57
Returns to Operating Expenses					\$104.43
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	161.84	161.84
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 5		Acre	1	8.09	8.09
Total Capital Recovery & Fixed Costs					\$169.93
TOTAL SPECIFIED EXPENSES					\$625.50
NET RETURNS					-\$65.50

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Boll weevil eradication fee is \$3 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. 2019 Cotton Enterprise Budget, GLT/WRF, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	199.87	179.88
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	81	0.46	37.19
Phosphate (0-46-0)	100%	Lbs	0	0.44	0.00
Potash (0-0-60)	100%	Lbs	100	0.29	28.80
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.36	17.80
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	26.00	26.00
Herbicide	100%	Acre	1	94.73	94.73
Insecticide	100%	Acre	1	97.74	97.74
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	4.16	4.16
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.130	2.50	15.33
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.74	12.74
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.854	13.40	24.85
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	600.85	12.02
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	20.00	48.00
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$612.87
Returns to Operating Expenses					\$227.13
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	161.07	161.07
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 5		Acre	1	8.05	8.05
Total Capital Recovery & Fixed Costs					\$188.39
TOTAL SPECIFIED EXPENSES					\$801.26
NET RETURNS					\$38.74

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Boll weevil eradication fee is \$3 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. 2019 Cotton Enterprise Budget, GLT/WRF, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	199.87	179.88
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	81	0.46	37.19
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.15	7.63
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	26.00	26.00
Herbicide	100%	Acre	1	94.73	94.73
Insecticide	100%	Acre	1	97.74	97.74
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	4.16	4.16
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.353	2.50	13.38
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.07	12.07
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance		Ac-In	12	0.83	10.01
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.714	13.40	22.97
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	597.79	11.96
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	20.00	48.00
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$609.74
Returns to Operating Expenses					\$230.26
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	154.19	154.19
Irrigation Equipment		Acre	1	77.26	77.26
Farm Overhead; See Note 5		Acre	1	7.71	7.71
Total Capital Recovery & Fixed Costs					\$239.17
TOTAL SPECIFIED EXPENSES					\$848.91
NET RETURNS					-\$8.91

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Boll weevil eradication fee is \$3 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. 2019 Cotton Enterprise Budget, GLT/WRF, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	800.00	0.70	560.00
Cottonseed Value	100%	Ton	0.600	199.87	119.92
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	69	0.46	31.88
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	75	0.19	14.06
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	19.50	19.50
Herbicide	100%	Acre	1	94.73	94.73
Insecticide	100%	Acre	1	49.33	49.33
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.75	1.75
Defoliant	100%	Acre	1	18.28	18.28
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.612	2.50	14.03
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.83	12.83
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
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)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.648	13.40	22.08
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	445.05	8.90
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	20.00	32.00
Promotions, Boards, Classing	100%	Bale	1.60	4.95	7.92
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$453.95
Returns to Operating Expenses					\$106.05
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	161.84	161.84
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 5		Acre	1	8.09	8.09
Total Capital Recovery & Fixed Costs					\$169.93
TOTAL SPECIFIED EXPENSES					\$623.88
NET RETURNS					-\$63.88

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Boll weevil eradication fee is \$3 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. 2019 Cotton Enterprise Budget, B3XF, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	199.87	179.88
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	81	0.46	37.19
Phosphate (0-46-0)	100%	Lbs	0	0.44	0.00
Potash (0-0-60)	100%	Lbs	100	0.29	28.80
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.15	7.63
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	96.09	96.09
Insecticide	100%	Acre	1	74.62	74.62
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	2.41	2.41
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.130	2.50	15.33
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.74	12.74
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.854	13.40	24.85
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	541.16	10.82
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	20.00	48.00
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$551.99
Returns to Operating Expenses					\$288.01
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	161.07	161.07
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 5		Acre	1	8.05	8.05
Total Capital Recovery & Fixed Costs					\$188.39
TOTAL SPECIFIED EXPENSES					\$740.38
NET RETURNS					\$99.62

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Boll weevil eradication fee is \$3 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. 2019 Cotton Enterprise Budget, B3XF, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	199.87	179.88
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	81	0.46	37.19
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.15	7.63
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	94.73	94.73
Insecticide	100%	Acre	1	74.62	74.62
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	4.16	4.16
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.353	2.50	13.38
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.07	12.07
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance		Ac-In	12	0.83	10.01
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.714	13.40	22.97
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	548.66	10.97
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	20.00	48.00
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$559.63
Returns to Operating Expenses					\$280.37
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	154.19	154.19
Irrigation Equipment		Acre	1	77.26	77.26
Farm Overhead; See Note 5		Acre	1	7.71	7.71
Total Capital Recovery & Fixed Costs					\$239.17
TOTAL SPECIFIED EXPENSES					\$798.80
NET RETURNS					\$41.20

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

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

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

Note 5: Estimate based on machinery and equipment.

Table 39. 2019 Cotton Enterprise Budget, B3XF, No Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	800.00	0.70	560.00
Cottonseed Value	100%	Ton	0.600	199.87	119.92
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	111.63	111.63
Nitrogen 100%	100%	Lbs	69	0.46	31.88
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	75	0.19	14.06
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1	94.73	94.73
Insecticide	100%	Acre	1	49.33	49.33
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.75	1.75
Defoliant	100%	Acre	1	18.28	18.28
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	8.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.612	2.50	14.03
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.83	12.83
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
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)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.648	13.40	22.08
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	425.55	8.51
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	20.00	32.00
Promotions, Boards, Classing	100%	Bale	1.60	4.95	7.92
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$434.06
Returns to Operating Expenses					\$125.94
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	161.84	161.84
Irrigation Equipment		Acre	1	0.00	0.00
Farm Overhead; See Note 5		Acre	1	8.09	8.09
Total Capital Recovery & Fixed Costs					\$169.93
TOTAL SPECIFIED EXPENSES					\$603.99
NET RETURNS					-\$43.99

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

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

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

Note 5: Estimate based on machinery and equipment.

Table 40. 2019 Cotton Enterprise Budget, Conventional, Furrow Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	199.87	179.88
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	25.65	25.65
Nitrogen 100%	100%	Lbs	81	0.46	37.19
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.15	7.63
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	26.00	26.00
Herbicide	100%	Acre	1	83.36	83.36
Insecticide	100%	Acre	1	129.24	129.24
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	2.41	2.41
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.130	2.50	15.33
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.74	12.74
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance		Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.854	13.40	24.85
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	513.03	10.26
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	20.00	48.00
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$523.29
Returns to Operating Expenses					\$316.71
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	161.07	161.07
Irrigation Equipment		Acre	1	19.27	19.27
Farm Overhead; See Note 5		Acre	1	8.05	8.05
Total Capital Recovery & Fixed Costs					\$188.39
TOTAL SPECIFIED EXPENSES					\$711.68
NET RETURNS					\$128.32

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

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

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

Note 5: Estimate based on machinery and equipment.

Table 41. 2019 Cotton Enterprise Budget, Conventional, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	¹Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	199.87	179.88
OPERATING EXPENSES		Unit	Quantity	²Price/Unit	Costs
Seed, Includes Applicable Fees;	100%	Acre	1	25.65	25.65
Nitrogen 100%	100%	Lbs	81	0.46	37.19
Phosphate (0-46-0)	100%	Lbs	0	0.24	0.00
Potash (0-0-60)	100%	Lbs	100	0.19	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	50	0.15	7.63
Boron 15%	100%	Lbs	1.00	0.55	0.55
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	26.00	26.00
Herbicide	100%	Acre	1	184.45	184.45
Insecticide	100%	Acre	1	129.24	129.24
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	2.41	2.41
Defoliant	100%	Acre	1	16.75	16.75
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	8.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.130	2.50	15.33
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	12.74	12.74
Diesel Fuel, Harvest	100%	Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	1	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance		Ac-In	12	0.83	10.01
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.911	13.40	25.60
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 3	100%	Acre	1	3.00	3.00
Crop Insurance	100%	Acre	1	8.41	8.41
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.00	636.52	12.73
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	20.00	48.00
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$649.25
Returns to Operating Expenses					\$190.75
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	161.07	161.07
Irrigation Equipment		Acre	1	77.26	77.26
Farm Overhead; See Note 5		Acre	1	8.05	8.05
Total Capital Recovery & Fixed Costs					\$246.38
TOTAL SPECIFIED EXPENSES					\$895.63
NET RETURNS					-\$55.63

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

Note 2: All price estimates do NOT include rebates, bulk deals, or discounts available through suppliers.

Note 3: Boll weevil eradication fee is \$3 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
Disc	32 ft	Fall Tillage	
Field Cultivate	32 ft	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium Sulfate, 150 lbs Potash, and 130 lbs Phosphate
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	32,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	235 lbs Urea (46-0-0)
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
Disc	32 ft	Fall Tillage	
Field Cultivator	32 ft	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium Sulfate, 150 lbs Potash, and 130 lbs Phosphate
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	32,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	235 lbs Urea (46-0-0)
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
Disc	32 ft	Fall Tillage	
Field Cultivator	32 ft	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium Sulfate, 150 lbs Potash, and 130 lbs Phosphate
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	32,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	200 lbs Urea (46-0-0)
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-4. Corn Field Activities, Conventional Seed, Furrow Irrigation			
Field Trip	Width	Activity	Conventional
Disc	32 ft	Fall Tillage	
Field Cultivator	32 ft	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium Sulfate, 150 lbs Potash, and 130 lbs Phosphate
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	32,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	235 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor, 2 qt Atrazine, 0.5 oz Accent Q
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Custom Aerial Application		Insecticide	14 oz Chlorantraniliprole
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-5. Corn Field Activities, Center Pivot Irrigation			
Field Trip	Width	Activity	Conventional
Disc	32 ft	Fall Tillage	
Field Cultivator	32 ft	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium Sulfate, 150 lbs Potash, and 130 lbs Phosphate
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	32,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	235 lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor, 2 qt Atrazine, 0.5 oz Accent Q
Custom Aerial Application		Insecticide	14 oz Chlorantraniliprole
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-6. Corn Field Activities, No Irrigation			
Field Trip	Width	Activity	Conventional
Disc	32 ft	Fall Tillage	
Field Cultivator	32 ft	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Blend (100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium Sulfate, 150 lbs Potash, and 130 lbs Phosphate)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	32,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	200 lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor, 2 qt Atrazine, 0.5 oz Accent Q
Custom Aerial Application		Insecticide	14 oz Chlorantraniliprole
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	75 lbs Urea, 130 lbs Phosphate, 150 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	6.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Metolachlor
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 Metolachlor, 2.0 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.5 oz Blackhawk
Aerial Application		Insecticide	4.0 oz Sivanto Prime
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	75 lbs Urea, 130 lbs Phosphate, 150 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	6.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	165 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor, 2.0 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.5 oz Blackhawk
Aerial Application		Insecticide	4.0 oz Sivanto Prime
Combine	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-9. Sorghum Field Activities, No Irrigation

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	75 lbs Urea, 130 lbs Phosphate, 150 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	4.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	125 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	1.3 pt Metolachlor, 2.0 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.5 oz Blackhawk
Self-Propelled Sprayer	90 ft.	Insecticide	4.0 oz Sivanto Prime
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	87 lbs Phosphate and 100 lbs Potash
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 + 5 pt. Glyphosate
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	1 gal Propanil, 21 oz Facet L, 32 oz crop oil
Custom Aerial Application		Herbicide	Permit 0.75 oz
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	1 pt Quilt Xcel
Custom Aerial Application		Insecticide	1.6 oz Lambda-cyhalothrin
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 + 5 pt Glyphosate
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	0.5 lb Clearpath
Custom Aerial Application		Herbicide	4 oz Beyond
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	8 oz Tilt 3.6 EC
Custom Aerial Application		Insecticide	1.6 oz Lambda-cyhalothrin
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 + 5 pt Glyphosate
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	1 gal Propanil, 21 oz Facet L, 32 oz crop oil
Custom Aerial Application		Fertilizer	260 lb Urea (46-0-0), 0.52 qt Agrotain treated
Custom Aerial Application		Herbicide	0.75 oz Permit
Flood Field	-		
Custom Aerial Application	-	Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application	-	Fungicide	8 oz Tilt 3.5 EC
Custom Aerial Application		Insecticide	1.6 oz Lambda-cyhalothrin
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 + 5 pt Glyphosate
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	0.5 lb Clearpath
Custom Aerial Application		Herbicide	4 oz Beyond
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 Lambda-cyhalothrin
Custom Aerial Application		Fungicide	8 oz Tilt 3.6 EC
Drain Field			
Combine Head Grain Wagon (875 bu)	325 hp 30 ft Rigid	Harvest Harvest 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 Lambda-cyhalothrin
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 Lambda-cyhalothrin
Drain Field			
Combine Head Grain Wagon (875 bu)	325 hp 30 ft Rigid	Harvest Harvest 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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	1 qt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 oz Zidua
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1.33 pt s-Metolachlor
Custom Aerial Application		Insecticide	9 oz Besiege
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine/Header	325 hp	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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1 qt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1.33 pt s-Metolachlor
Custom Aerial Application		Insecticide	9 oz Besiege
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine/Header	325 hp	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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	110,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1 qt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1.33 pt Dual Magnum
Custom Aerial Application		Insecticide	9 oz Besiege
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine/Header	325 hp	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	90 lbs Phosphate and 100 lbs Potash
Grain Drill	30 ft.	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1 qt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 1.33 pt s-Metolachlor
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	9 oz Besiege
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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Glufosinate, 1 qt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Glufosinate
Custom Aerial Application		Insecticide	9 oz Besiege
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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Glufosinate, 1 qt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Glufosinate
Custom Aerial Application		Insecticide	9 oz Besiege
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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	110,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Glufosinate, 1 qt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Glufosinate
Custom Aerial Application		Insecticide	9 oz Besiege
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	90 lbs Phosphate and 100 lbs Potash
Grain Drill	30 ft.	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Glufosinate, 1 qt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Glufosinate
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	9 oz Besiege
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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Select Max, 1 qt 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	9 oz Besiege
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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Select Max, 1 qt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Storm
Custom Aerial Application		Insecticide	9 oz Besiege
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	90 lbs Phosphate and 100 lbs Potash
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	110,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Select Max, 1 qt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Storm
Custom Aerial Application		Insecticide	9 oz Besiege
Custom Aerial Application		Fungicide	10 oz Quadris Top
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

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	90 lbs Phosphate and 100 lbs Potash
Grain Drill	30 ft.	Plant	150,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Boundary
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Select Max, 1 qt 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	9 oz Besiege
Custom Aerial Application		Fungicide	10 oz Quadris Top
Remove Levees			
Combine	325 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

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	65 lbs Phosphate and 85 lbs Potash
Hipper Bedder	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant with in-furrow Insecticide and Innoculant	9 oz Admire Pro, 14 oz Optimize
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	3 oz Valor EZ, 2 pt Prowl H ₂ O
Row Crop Cultivator	12 row	Irrigation	
Poly Pipe			
Self-propelled sprayer	90 ft.	Herbicide	1.5 pt Metolachlor, 2 pt Ultra Blazer, 0.5 pt 2,4-DB
Self-propelled sprayer	90 ft.	Herbicide	10 oz Select for grasses
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	
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	65 lbs Phosphate and 85 lbs Potash
Hipper Bedder	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant with in-furrow Insecticide and Innoculant	9 oz Admire Pro, 14 oz Optimize
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	3 oz Valor EZ, 2 pt Prowl H ₂ O
Self-propelled sprayer	90 ft.	Herbicide	1.5 pt Metolachlor, 2 pt Ultra Blazer, 0.5 pt 2,4-DB
Self-propelled sprayer	90 ft.	Herbicide	10 oz Select for grasses
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	
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	65 lbs Phosphate and 85 lbs Potash
Hipper Bedder	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant with in-furrow Insecticide and Innoculant	9 oz Admire Pro, 14 oz Optimize
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	3 oz Valor EZ, 2 pt Prowl H ₂ O
Self-propelled sprayer	90 ft.	Herbicide	1.5 pt Metolachlor, 2 pt Ultra Blazer, 0.5 pt 2,4-DB
Self-propelled sprayer	90 ft.	Herbicide	10 oz Select for grasses
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	
Vine Conditioner, 3.0 mph	6 row	Harvest	
Combine, 2.0 mph	6 row	Harvest	
Peanut Dump Cart (Wagon)	12,000 lb	Harvest	

Field Trip	Width	Activity	
Disk	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	110 lbs Phosphate and 135 lbs Potash
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	140 lbs Urea (46-0-0), 50 lbs Ammonia Sulfate (21-0-0-24)
Ground Application		Herbicide	16.4 oz Axial, 0.9 oz Harmony Extra XP
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Custom Aerial Application		Fungicide	14 oz Quilt
Combine Head Grain Wagon (700 bu)	325 hp 30 ft Rigid	Harvest Harvest Harvest	

Field Trip	Width	Activity	B2XF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs DAP, 100 lbs Potash, 1 lb Boron
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 Glufosinate, 1 pt Metolachlor
Knife Rig	12 Row	Fertilizer	125 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 6 oz Diamond, 16 oz Mepiquat Chloride
Fertilizer Spreader	30 ft.	Fertilizer	50 lbs Urea and 50 lbs Ammonium Sulfate
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor SX, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Thiamethoxam, 6 oz Diamond, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
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 Boll Buggy Module Builder	6 Row	Harvest Harvest Harvest	
Mower	20 ft.	Mow Stalks	

Table A-32. Cotton Field Activities, B2XF, Center Pivot Irrigation			
Field Trip	Width	Activity	B2XF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs DAP, 100 lbs Potash, 1 lb Boron
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 Glufosinate, 1 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	125 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 6 oz Diamond, 16 oz Mepiquat Chloride
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor SX, 1.5 qt MSMA 6
Fertilizer Spreader	30 ft.	Fertilizer	50 lbs Urea and 50 lbs Ammonium Sulfate
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Thiamethoxam, 6 oz Diamond, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride
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 Boll Buggy Module Builder	6 Row	Harvest Harvest Harvest	
Mower	20 ft.	Mow Stalks	

Table A-33. Cotton Field Activities, B2XF, No Irrigation			
Field Trip	Width	Activity	B2XF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	75 lbs DAP, 75 lbs Potash
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 Glufosinate, 1 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	150 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 16 oz Mepiquat Chloride
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, SX 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, 16 oz Mepiquat Chloride
Self-Propelled Sprayer	90 ft.	Insecticide	0.75 lbs Acephate
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 8 oz Folex, 8 oz Prep
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker Boll Buggy Module Builder	6 Row	Harvest Harvest Harvest	
Mower	20 ft.	Mow Stalks	

Table A-34. Cotton Field Activities, GLT/WRF, Furrow Irrigation			
Field Trip	Width	Activity	GLT/WRF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs DAP, 100 lbs Potash, 1 lb Boron
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 Glufosinate, 1 pt Metolachlor
Knife Rig	12 Row	Fertilizer	125 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 6 oz Diamond, 16 oz Mepiquat Chloride
Fertilizer Spreader	30 ft.	Fertilizer	50 lbs Urea and 50 lbs Ammonium Sulfate
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor SX, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Thiamethoxam, 6 oz Diamond, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride
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/Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-35. Cotton Field Activities, GLT/WRF, Center Pivot Irrigation			
Field Trip	Width	Activity	GLT/WRF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs DAP, 100 lbs Potash, 1 lb Boron
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 Glufosinate, 1 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	125 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 6 oz Diamond, 16 oz Mepiquat Chloride
Fertilizer Spreader	30 ft.	Fertilizer	50 lbs Urea and 50 lbs Ammonium Sulfate
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor SX, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Thiamethoxam, 6 oz Diamond, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride
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/Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-36. Cotton Field Activities, GLT/WRF, No Irrigation			
Field Trip	Width	Activity	GLT/WRF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	75 lbs DAP, 75 lbs Potash
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 Glufosinate, 1 pt Metolachlor
Knife Rig	12 Row	Fertilizer	150 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 16 oz Mepiquat Chloride
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor SX, 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, 16 oz Mepiquat Chloride
Self-Propelled Sprayer	90 ft.	Insecticide	0.75 lbs Acephate
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 8 oz Folex, 8 oz Prep
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker Boll Buggy Module Builder	6 Row	Harvest Harvest Harvest	
Mower	20 ft.	Mow Stalks	

Table A-37. Cotton Field Activities, B3XF, Furrow Irrigation			
Field Trip	Width	Activity	B3XF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs DAP, 100 lbs Potash, 1 lb Boron
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 Glufosinate, 1 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	125 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 6 oz Diamond, 16 oz Mepiquat Chloride
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor SX, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Thiamethoxam, 6 oz Diamond, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride,
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride
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 Boll Buggy Module Builder	6 Row	Harvest Harvest Harvest	
Mower	20 ft.	Mow Stalks	

Table A-38. Cotton Field Activities, B3XF, Center Pivot Irrigation			
Field Trip	Width	Activity	B3XF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs DAP, 100 lbs Potash
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 Glufosinate, 1 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	150 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 6 oz Diamond, 16 oz Mepiquat Chloride
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor SX, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Thiamethoxam, 6 oz Diamond, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride
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, B3XF, No Irrigation			
Field Trip	Width	Activity	B3XF
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	75 lbs DAP, 75 lbs Potash
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 Glufosinate, 1 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	150 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	29 oz Glufosinate, 1 pt Metolachlor, 2 oz Thiamethoxam, 16 oz Mepiquat Chloride
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, SX 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, 16 oz Mepiquat Chloride
Self-Propelled Sprayer	90 ft.	Insecticide	0.75 lbs Acephate
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 8 oz Folex, 8 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-37. Cotton Field Activities, Conventional, Furrow Irrigation			
Field Trip	Width	Activity	Conventional
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate, 8 oz Dicamba
Hipper	12 Row	Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Preplant)	2 pt Glyphosate, 1 pt Fomesafen
Fertilizer Spreader	30 ft.	Fertilizer	100 lbs DAP, 100 lbs Potash, 1 lb Boron
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	12 oz Select, 1 pt Metolachlor
Knife Rig	12 Row	Fertilizer	125 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	1 pt Metolachlor, 2 oz Thiamethoxam, 6 oz Diamond, 16 oz Mepiquat Chloride
Hooded Sprayer	12 Row	Herbicide	0.1 oz Envoke, 1 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	50 lbs Urea and 50 lbs Ammonium Sulfate
Irrigation Sweep/Spool	12 Row	Tillage	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Caparol, 2 oz Valor SX, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Thiamethoxam, 6 oz Diamond, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
Custom Aerial Application		Insecticide	6 oz Bidrin, 3.6 oz Bifenthrin
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/Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-38. Cotton Field Activities, Conventional, Center Pivot Irrigation			
Field Trip	Width	Activity	Conventional
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	100 lbs DAP, 100 lbs Potash, 1 lb Boron
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	12 oz Select, 1 pt Metolachlor
Fertilizer Spreader	30 ft.	Fertilizer	125 lbs Urea
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide, Growth Regulator	1 pt Metolachlor, 2 oz Thiamethoxam, 6 oz Diamond, 16 oz Mepiquat Chloride
Hooded Sprayer	12 Row	Herbicide	0.1 oz Envoke, 1 pt Meolachlor
Hooded Sprayer	12 Row	Herbicide	1.5 pt Caparol, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Thiamethoxam, 6 oz Diamond, 20 oz Mepiquat Chloride
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 20 oz Mepiquat Chloride, 20 oz Chlorantraniliprole
Custom Aerial Application		Insecticide	6 oz Bidrin, 3.6 oz Bifenthrin
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/Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

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