

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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University of Arkansas System

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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

Receipts	Cotton	Corn	Sorghum	Soybean	Rice	Rice
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
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

Hybrid

Conv'l

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
¹ Gin 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
² Net 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
³ Returns 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
⁴ Total Specified Expenses	848.91	777.00	465.77	496.26	737.16
³ Returns 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
¹ Gin 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
² Net 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
³ Returns 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
⁴ Total Specified Expenses	625.50	511.21	374.09	310.70	344.40	566.43
³ Returns 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

Table 1. 2019 Corn Enterprise Budget, Stacked G	ene, Furrow	[rrigation			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	210.00	3.50	735.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	100,0	11010	-	0.00	0.00
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	10070	71010	· ·	0.00	0.00
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		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	10070	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	0.718	6.00	6.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	13.00	13.00
		Rate %	4.00	473.87	
Interest, Annual Rate Applied for 6 Months Custom Harvest	100%		0.00		9.48 0.00
Post-Harvest Expenses	100%	Acre	0.00	0.00	0.00
Drying Drying	100%	Bu.	210.00	0.19	39.90
Hauling	100%	Bu. Bu.	210.00	0.19	52.50
Check Off, Boards	100%	Bu. Bu.	210.00	0.23	2.10
Check Off, Boards	100%	Du.	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, Enter Expected Farm Yield & Price 100% Bu. 210.00 3.50 735.00	CROD MALLIE			¹ Yield	D /III /	
OPERATING EXPENSES Unit Unit Unit Unit Unit Unit Unit Unit	CROP VALUE	Grower %	Unit		Price/Unit	Revenue
Seed, Includes Applicable Fees	Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	210.00	3.50	735.00
Seed, Includes Applicable Fees					2	
Nitrogen 100%	OPERATING EXPENSES		Unit	Quantity	² Price/Unit	Costs
Phosphate (0-46-0)	Seed, Includes Applicable Fees	100%	Acre	1	124.00	124.00
Potash (0-0-60)	Nitrogen 100%	100%	Lbs	200	0.46	92.44
Ammonium Sulfate (21-0-0-24)	Phosphate (0-46-0)	100%	Lbs	130	0.24	31.20
Sinc Sulfate	Potash (0-0-60)	100%	Lbs	150	0.19	28.13
Sinc Sulfate	Ammonium Sulfate (21-0-0-24)	100%	Lbs	100	0.15	15.25
Herbicide		100%	Lbs	29.00	0.60	17.40
Insecticide	Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Fungicide	Herbicide	100%	Acre	1	40.16	40.16
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 0.80 8.00 Other Custom Hire, Air Seeding 100% Acre 0 8.00 0.00 Machinery and Equipment Diesel Fuel, Pre-Post Harvest 100% Acre 1 7.77 <t< td=""><td>Insecticide</td><td>100%</td><td>Acre</td><td>1</td><td>0.00</td><td>0.00</td></t<>	Insecticide	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: Lbs. 100% Acre 0 8.00 0.00 Other Custom Hire, Air Seeding 100% Acre 0 8.00 0.00 Machinery and Equipment 100% Callons 3.557 2.50 8.89 Repairs and Maintenance, Pre-Post Harvest 100% Acre 1 7.77 7.77 Diesel Fuel, Harvest 100% Acre 1 11.87 11.87 Irrigation Energy Cost 100% Acre 1 11.87 11.87 Irrigation Energy Cost 100% Acre 1 0.00 0.00 Irrigation Energy Cost 100% Acre 1 0.00 0.00 Labor, Field Activities 100% Acre 1	Fungicide	100%	Acre	1	0.00	0.00
Other Chemical Custom Chemical & Fertilizer Applications Ground Application: Fertilizer & Chemical 100% Acre 0 7.50 0.00 Acre 0 8.00 0.00 Air Application: Fertilizer & Chemical 100% Acre 0 8.00 0.00 Air Application: Fertilizer & Chemical 100% Acre 0 8.00 0.00 Air Application: Lbs. 100% Cher Custom Hire, Air Seeding 100% Acre 0 0 8.00 0.00 Ba.00 0.00 Machinery and Equipment Diesel Fuel, Pre-Post Harvest 100% Gallons 3.057 2.50 8.89 Repairs and Maintenance, Pre-Post Harvest 100% Gallons 3.082 2.50 7.70 Repairs and Maintenance, Harvest 100% Gallons 3.082 2.50 7.70 Repairs and Maintenance, Harvest 100% Acre 1 11.87 11.87 11.87 11.87 Irrigation Energy Cost 100% Acre 1 100% Acre 1 1 0.00 0.00 Ac-In 14 4.49 62.80 62.80 Supplies (ex. polypipe) 100% Acre 1 0.00 0.00 Acre 1 0.00 0.00 Other Inputs 100% Acre 1 0.00 0.00 Acre 1 0.00 0.00 Labor, Field Activities 100% Acre 1 0.00 0.00 Acre 1 0.00 0.00 Scouting/Consultant Fee 100% Acre 1 0.00 0.00 Acre 1 13.00 13.00 Other Expenses 100% Acre 1 0.00 0.00 Acre 1 13.00 13.00 Interest, Annual Rate Applied for 6 Months 100% Acre 1 0.00 0.00 0.00 Acre 1 13.00 13.00 Interest, Annual Rate Applied for 6 Months 100% Bu. 210.00 0.00 0.00 0.00 Acre 0.00 0.00 0.00 0.00 Post-Harvest Expenses Drying 100% Bu. 210.00 0.00 0.00 0.00 0.00 0.00 0.00 0	•	100%	Acre	1	0.00	0.00
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Total Capital Recovery & Fixed Costs \$175.17 TOTAL SPECIFIED EXPENSES \$777.00			Acre	1	88.90	
TOTAL SPECIFIED EXPENSES \$777.00	Farm Overhead; See Note 3		Acre	1	4.11	4.11
	Total Capital Recovery & Fixed Costs					\$175.17
NET RETURNS -\$42.00	TOTAL SPECIFIED EXPENSES					
	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

Table 3. 2019 Corn Enterprise Budget, Stacked G	Sene, No Irrig	ation			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	125.00	3.50	437.50
OPERATING EXPENSES		Unit	Quantity	² Price/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	1.00	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	10070	Acic	1	0.00	0.00
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	100%	Acie	U	8.00	0.00
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.557	2.50	8.89
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	3.337	2.30 7.77	7.77
Diesel Fuel, Harvest		Gallons	3.082	2.50	7.77
Repairs and Maintenance, Harvest	100%	Acre	3.082	11.87	11.87
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-III Ac-In	0	0.00	0.00
· · · ·	100%	Ac-iii Acre	1	0.00	0.00
Supplies (ex. polypipe)					
Other Inputs	100%	Acre	1 0.716	0.00	0.00
Labor, Field Activities	100%	Hrs		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		Rate %	4.00	361.46	7.23
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000/	D	125.00	0.10	22.75
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, Conventio	nal, Furrow l	Irrigation			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	210.00	3.50	735.00
OPERATING EXPENSES		Unit	Quantity	² Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	Quantity 1	90.00	90.00
Nitrogen 100%	100%	Lbs	200	0.46	92.44
Phosphate (0-46-0)	100%	Lbs	130	0.40	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	0.13	17.40
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1.00	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	10070	Acic	1	0.00	0.00
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	10070	Acic	U	0.00	0.00
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.052	2.50	10.13
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	4.032	7.34	7.34
Diesel Fuel, Harvest		Gallons	3.082	2.50	7.70
Repairs and Maintenance, Harvest	100%	Acre	3.082	11.87	11.87
Irrigation Energy Cost	100%	Ac-In	14	2.95	41.34
Irrigation System Repairs & Maintenance	100%	Ac-III 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
	100%	Acre	0.929	6.00	6.00
Scouting/Consultant Fee					
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1 20	13.00	13.00
Interest, Annual Rate Applied for 6 Months		Rate %	4.30	464.05	9.98
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1,000/	D.,	210.00	0.10	20.00
Drying Houling	100%	Bu.	210.00	0.19	39.90
Hauling Charle Off Boards	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		11010	-	0.00	\$568.53
Returns to Operating Expenses					\$166.47
CAPITAL RECOVERY & FIXED COSTS					4200011
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

Table 5. 2019 Corn Enterprise Budget, Convention	nal, Center P	ivot Irrig			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	210.00	3.50	735.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	100,0	11010	-	0.00	0.00
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	10070	71010	· ·	0.00	0.00
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		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	10070	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	0.799	6.00	6.00
	100%	Acre		0.00	0.00
Other Expenses			1 1		
Crop Insurance	100%	Acre Rate %		13.00 485.59	13.00
Interest, Annual Rate Applied for 6 Months			4.30		10.44
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000/	D.,	210.00	0.10	20.00
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					4
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

Table 6. 2019 Corn Enterprise Budget, Convention	onal, No Irriga	ation			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	125.00	3.50	437.50
OPERATING EXPENSES		Unit	Quantity	² Price/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	1.00	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
	100%	Acie	1	0.00	0.00
Custom Chemical & Fertilizer Applications	100%	A 2#2	0	7.50	0.00
Ground Application: Fertilizer & Chemical		Acre			
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	1000/	C 11	2.275	2.50	0.10
Diesel Fuel, Pre-Post Harvest		Gallons	3.275	2.50	8.19
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.67	6.67
Diesel Fuel, Harvest		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	1000	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 CAPITAL RECOVERY & FIXED COSTS					\$18.08
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		. 1010	1	3.07	\$81.28
TOTAL SPECIFIED EXPENSES					\$500.70
NET RETURNS					-\$63.20
					400.20

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, Enter Expected Farm Yield & Price 100% Bu. 105.00 3.35 351.75	Table 7. 2019 Grain Sorghum Enterprise Budget,	Furrow Irrig	ation			
OPERATING EXPENSES Unit Ouanity 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 20.00 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 Pungicide 100% Acre 1 0.00 0.00 Other Chemical 100% Acre 1 0.00 0.00 Air App	CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Seed, Includes Applicable Fees	Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	105.00	3.35	351.75
Seed, Includes Applicable Fees						
Seed, Includes Applicable Fees	OPERATING EXPENSES		Unit	Ouantity	² Price/Unit	Costs
Nitrogen 100%		100%				
Phosphate (0-46-0)						
Potash (0-0-60)	•					
Ammonium Sulfate (21-0-0-24) 100% Lbs 0.00 0.15 0.00 Boron 15% 100% Acre 1.00 0.00 0.00 Herbicide 100% Acre 1 29.10 29.10 Insecticide 100% Acre 1 20.50 20.59 Insecticide 100% Acre 1 20.50 20.59 Eungicide 100% Acre 1 0.00 0.00 Other Chemical 100% Acre 1 8.00 8.00 Air Application: Fertilizer & Chemical 100% Acre 1 8.00 8.00 Air Application: Fertilizer & Chemical 100% Acre 1 8.00 8.00 Air Application: Fertilizer & Chemical 100% Acre 1 8.00 8.00 Other Custom Hire, Air Seeding 100% Acre 0 8.00 0.00 Machinery and Equipment 100% Gallons 3.643 2.50 9.11 Diesel Fuel, Pre-Post Harvest 100% Gallons 3.643 2.50 9.11 Repairs and Maintenance, Pre-Post Harvest 100% Gallons 2.568 2.50 6.42 Repairs and Maintenance, Harvest 100% Acre 1 6.58 6.58 Diesel Fuel, Harvest 100% Acre 1 8.06 8.06 Irrigation Energy Cost 100% Acre 1 0.00 0.00 Irrigation Energy Cost 100% Acre 1 0.00 0.00 Irrigation Energy Cost 100% Acre 1 0.00 0.00 Labor, Field Activities 100% Acre 1 0.00 0.00 Labor, Field Activities 100% Acre 1 0.00 0.00 Copher Expenses 100% Acre 1 0.00 0.00 Crop Insurance 100% Acre 1 0.00 0.00 Cash Land Rent Acre 1 0.00 0.00 Cash	•					
Boron 15% 100% Lbs 0.00 0.55 0.00 Other Nutrients, Including Poultry Litter 100% Acre 1.00 0.00 0.00 0.00 1.00 Erbicide 100% Acre 1 29.10 29.10 29.10 1.00						
Other Nutrients, Including Poultry Litter 100% Acre 1.00 0.00 0.00 Herbicide 100% Acre 1 29.10 29.10 29.10 1.00 1.00 29.10 29.10 29.10 1.00 29.10 29.10 1.00 0.00						
Herbicide						
Insecticide	• •					
Fungicide						
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 1 0.00 Acre 0 8.00 0.00 Machinery and Equipment 1 0.00 Acre 1 6.58 0.00 0.00 Machinery and Equipment 1 0.00 Acre 1 6.58 6.58 0.50 9.11 6.58 6.58 6.58 6.58 6.58 6.58 6.58 1.50 6.42 8.06 6.78 1.00 6.28 6.58 1.00 6.28 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Other Chemical Custom Chemical & Fertilizer Applications 100% Acre 1 0.00 0.00 Custom Chemical & Fertilizer & Chemical Air Application: Fertilizer & Chemical 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% Gallons 2.568 2.50 6.42 Repairs and Maintenance, Harvest 100% Acre 1 8.06 8.06 Irrigation Energy Cost 100% Acre 1 8.06 8.06 Irrigation System Repairs & Maintenance 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						
Custom Chemical & Fertilizer & Chemical Ground Application: Fertilizer & Chemical 100% Acre 0 7.50 0.00 Air Application: Fertilizer & Chemical 100% Acre 1 8.00 8.00 Air Application: Eertilizer & Chemical 100% Acre 0 8.00 0.000 Air Application: Lbs. 100% Lbs 0 0.080 0.000 Air Application: Lbs. 100% Acre 0 8.00 0.000 Acre 1 6.58 0.000 Acre 1 6.58 6.58 Earting and Maintenance, Pre-Post Harvest 100% Gallons 2.568 2.50 6.42 Repairs and Maintenance, Harvest 100% Acre 1 8.06 8.06 Acre 1 8.06 Acr						
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 100% Gallons 3.643 2.50 9.11 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, Pre-Post Harvest 100% Acre 1 8.06 8.06 Irrigation Substem Repairs & Maintenance 100% Acre 1 8.06 8.06 Irrigation System Repairs & Maintenance Acre 1 0.02 29.53 1 1 0.02 4.0 1		10070		-	0.00	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% Acre 1 8.06 8.06 Irrigation System Repairs & Maintenance Ac-In 10 2.95 29.53 Irrigation System Repairs & Maintenance Ac-In 10 0.24 2.40 Supplies (ex. polypipe) 100% Acre 1 0.00 0.00 Labor, Field Activities 100% Acre 1 <td></td> <td>100%</td> <td>Acre</td> <td>0</td> <td>7.50</td> <td>0.00</td>		100%	Acre	0	7.50	0.00
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Machinery and Equipment Diesel Fuel, Pre-Post Harvest 100% Gallons 3.643 2.50 9.11 Repairs and Maintenance, Pre-Post Harvest 100% Gallons 2.568 2.50 6.42 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% Acre 1 0.295 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% Acre 1 0.00 0.00 Labor, Field Activities 100% Acre 1 0.00 0.00 Cother Expenses 100% Acre 1 0.00 0.00 Other Expenses 100% Acre 1 0.00 0.00 Crop Insurance 100% Acre 1 0.00 0.00 Interest, Annual Rate Applied for 6 Months 100% Bu. 105.00 0.00 0.00						
Diesel Fuel, Pre-Post Harvest 100% Gallons 3.643 2.50 9.11 Repairs and Maintenance, Pre-Post Harvest 100% Gallons 2.568 2.50 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% Acre 1 8.06 8.06 Irrigation System Repairs & Maintenance 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% Acre 1 0.00 0.00 Labor, Field Activities 100% Acre 1 0.00 0.00 Crop Insurance 100% Acre 1 0.00 0.00 Interest, Annual Rate Applied for 6 Months 100% Rate 4.00 316.33 6.33	_	10070	11010		0.00	0.00
Repairs and Maintenance, Pre-Post Harvest 100% Gallons 2.568 2.50 6.42 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% Acre 1 0.295 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% Acre 1 0.00 0.00 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% Bu. 105.00 0.00 0.00 Post-Harvest Expenses 100% Bu. 105.00 0.02 26.25 Check Off, Boards <td></td> <td>100%</td> <td>Gallons</td> <td>3.643</td> <td>2.50</td> <td>9.11</td>		100%	Gallons	3.643	2.50	9.11
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 0.00 0.00 Other Expenses 100% Acre 1 0.00 0.00 Crop Insurance 100% Acre 1 13.00 13.00 Interest, Annual Rate Applied for 6 Months 100% Rate % 4.00 316.33 6.33 Custom Harvest 100% Bu. 105.00 0.00 0.00 Post-Harvest Expenses 1 0.00 0.00 0.00 Check Off, Boards 100% Bu.						
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 6.00 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 Expenses 100% Bu. 105.00 0.00 0.00 Hauling 100% Bu. 105.00 0.05 0.25 26.25 Check Off, Boards 100% Bu. 105.00 0.01 1.	•					
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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 5 0.00 0.00 0.00 Post-Harvest Expenses 0.00 0.00 0.00 0.00 Hauling 100% Bu. 105.00 0.02 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 Ret						
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 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		100%				
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 5 100% 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			Acre	1		0.00
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 5 0.00 0.00 0.00 Hauling 100% Bu. 105.00 0.00 0.00 Hauling 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 Acre 1 72.22 72.22	•			0.829		
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 5 0.00 0.00 0.00 Hauling 100% Bu. 105.00 0.00 0.00 Hauling 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 Acre 1 72.22 72.22						6.00
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 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 Acre 1 72.22 72.22	-	100%	Acre	1		
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 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 Acre 1 72.22 72.22	•					
Custom Harvest 100% Acre 0.00 0.00 0.00 Post-Harvest Expenses 100% Bu. 105.00 0.00 0.00 Drying 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						
Post-Harvest Expenses Drying 100% Bu. 105.00 0.00 0.00 100% Bu. 105.00 0.25 26						
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						
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	*	100%	Bu.	105.00	0.00	0.00
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						
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						1.05
Total Operating Expenses Returns to Operating Expenses CAPITAL RECOVERY & FIXED COSTS Machinery and Equipment Acre 1 72.22 72.22	,					
Returns to Operating Expenses CAPITAL RECOVERY & FIXED COSTS Machinery and Equipment Acre 1 72.22 72.22	Cash Land Rent		Acre	1	0.00	0.00
CAPITAL RECOVERY & FIXED COSTS Machinery and Equipment Acre 1 72.22 72.22	Total Operating Expenses					\$349.95
Machinery and Equipment Acre 1 72.22 72.22	Returns to Operating Expenses					\$1.80
	CAPITAL RECOVERY & FIXED COSTS					
The second secon	Machinery and Equipment		Acre	1	72.22	72.22
Irrigation Equipment Acre 1 16.80 16.80	Irrigation Equipment		Acre	1	16.80	16.80
Farm Overhead; See Note 3 Acre 1 3.61 3.61	Farm Overhead; See Note 3		Acre	1	3.61	3.61
Total Capital Recovery & Fixed Costs \$92.63	Total Capital Recovery & Fixed Costs					\$92.63
TOTAL SPECIFIED EXPENSES \$442.58	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

Table 8. 2019 Grain Sorghum Enterprise Budget,	Center Pivot	Irrigatio			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	105.00	3.35	351.75
OPERATING EXPENSES		Unit	Quantity	² Price/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	10070		-	0.00	0.00
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	10070	71010	· ·	0.00	0.00
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		Gallons	2.568	2.50	6.42
Repairs and Maintenance, Harvest	100%	Acre	2.300	8.06	8.06
Irrigation Energy Cost	100%	Ac-In	10	4.49	44.85
Irrigation System Repairs & Maintenance	10070	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	0.720	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		Rate %	4.00	294.45	5.89
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	100%	Acie	0.00	0.00	0.00
Drying Drying	100%	Bu.	105.00	0.00	0.00
Hauling	100%	Bu.	105.00	0.00	26.25
Check Off, Boards	100%	Bu. Bu.	105.00	0.23	1.05
Check Off, Boards	100%	Du.	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

Table 9. 2019 Grain Sorghum Enterprise Budget	, No Irrigation	1			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	65.00	3.35	217.75
OPERATING EXPENSES		Unit	Quantity	² Price/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	10070		-	0.00	0.00
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		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

Table 10. 2019 Rice Enterprise Budget, Convention			1		
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	170.00	5.15	875.50
OPERATING EXPENSES		Unit	Quantity	² Price/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	10070			0.00	0.00
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		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	10070	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		Rate %	4.00	451.40	9.03
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	10070	Acic	0.00	0.00	0.00
Drying Drying	100%	Bu.	170.00	0.40	68.00
Hauling Hauling	100%	Bu.	170.00	0.40	32.30
Check Off, Boards	100%	Bu.	170.00	0.19	2.30
Clicck Off, Boards	100%	Du.	170.00	0.01	2.30
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses			-	0.00	\$563.03
Returns to Operating Expenses					\$312.47
CAPITAL RECOVERY & FIXED COSTS					φυ12
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			-	9	\$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

Table 11. 2019 Rice Enterprise Budget, Clearfield	l Seed				
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	170.00	5.15	875.50
OPERATING EXPENSES		Unit	Quantity	² Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	Quantity 1	97.20	97.20
Nitrogen 100%	100%	Lbs	152	0.46	70.13
Phosphate (0-46-0)	100%	Lbs	87	0.40	20.88
Potash (0-0-60)	100%	Lbs	100	0.24	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Zinc Sulfate	100%	Lbs	0.00	0.13	0.00
Agrotain, Other Nutrients	100%	Acre	1.00	9.09	9.09
Herbicide	100%	Acre	1.00	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	10070	Acic	1	0.00	0.00
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	10070	Acic	U	8.00	0.00
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.363	2.50	10.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	4.303	6.92	6.92
Diesel Fuel, Harvest		Gallons	3.595	2.50	8.99
Repairs and Maintenance, Harvest	100%	Acre	3.393 1	13.11	13.11
Irrigation Energy Cost	100%	Ac-In	30	2.95	88.58
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.24	7.20
· · · · · · · · · · · · · · · · · · ·	100%	Ac-iii Acre	1	0.24	0.00
Supplies (ex. polypipe) Levee Gates	100%	Acre	1	0.70	0.70
		Hrs	0.959	13.40	12.85
Labor, Field Activities	100%		0.939	8.00	8.00
Scouting/Consultant Fee	100%	Acre			
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		Rate %	4.00	529.48	10.59
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000/	D	170.00	0.40	60.00
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

Table 12. 2019 Rice Enterprise Budget, Hybrid Se	eed				
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	190.00	5.15	978.50
OPERATING EXPENSES		Unit	Quantity	² Price/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	10070	71010		0.00	0.00
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	10070	Ticic	O	0.00	0.00
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		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	10070	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	0.555	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		Rate %	4.00	563.95	11.28
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	100%	Acie	0.00	0.00	0.00
Drying Drying	100%	Bu.	190.00	0.40	76.00
Hauling	100%	Bu. Bu.	190.00	0.40	36.10
Check Off, Boards	100%	Bu. Bu.	190.00	0.19	2.57
Check Off, Boards	100%	Du.	190.00	0.01	2.37
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 ¹ Yiel	d Price/Unit	Revenue
		IXC V CHUC
Crop Value, Enter Expected Farm Yield & Price 100% Bu. 190.0	0 5.15	978.50
OPERATING EXPENSES Unit Quantit	y ² Price/Unit	Costs
	1 161.00	161.00
Nitrogen 100% Lbs 15		70.13
Phosphate (0-46-0) 100% Lbs 8		20.88
Potash (0-0-60) 100% Lbs 10		18.75
	0 0.15	0.00
Zinc Sulfate 100% Lbs 0.0		0.00
Agrotain, Other Nutrients 100% Acre 1.0		10.27
	1 53.60	53.60
	1 0.75	0.75
	1 14.69	14.69
-	1 0.00	0.00
	1 0.00	0.00
Custom Chemical & Fertilizer Applications		
	0 7.50	0.00
	5 8.00	40.00
Air Application: Lbs. 100% Lbs 26		20.80
**	0 8.00	0.00
Machinery and Equipment		
Diesel Fuel, Pre-Post Harvest 100% Gallons 4.36	3 2.50	10.91
	1 6.92	6.92
Diesel Fuel, Harvest 100% Gallons 3.59		8.99
Repairs and Maintenance, Harvest 100% Acre	1 13.11	13.11
Irrigation Energy Cost 100% Ac-In 3	0 2.95	88.58
Irrigation System Repairs & Maintenance Ac-In 3	0 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 0.95	9 13.40	12.85
Scouting/Consultant Fee 100% Acre	1 8.00	8.00
Other Expenses 100% Acre	1 0.00	0.00
•	1 10.00	10.00
Interest, Annual Rate Applied for 6 Months 100% Rate % 4.0	0 578.13	11.56
Custom Harvest 100% Acre 0.0	0.00	0.00
Post-Harvest Expenses		
Drying 100% Bu. 190.0	0.40	76.00
Hauling 100% Bu. 190.0	0.19	36.10
Check Off, Boards 100% Bu. 190.0	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		,
7 1 1	1 84.95	84.95
Irrigation Equipment Acre	1 41.52	41.52
,	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

Table 14. 2019 Rice Enterprise Budget, Convention	onal Seed, Wa	iter Seed			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	170.00	5.15	875.50
OPERATING EXPENSES		Unit	Quantity	² Price/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	10070		•	0.00	0.00
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	10070	71010	1	0.00	0.00
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		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	10070	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		Rate %	4.00	412.76	8.26
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	100%	Acie	0.00	0.00	0.00
Drying Drying	100%	Bu.	170.00	0.40	68.00
Hauling	100%	Bu. Bu.	170.00	0.40	32.30
Check Off, Boards	100%	Bu. Bu.	170.00	0.19	2.30
Check Off, Boards	100%	Du.	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					720 =107
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.

Sovbean Enterprise Budget, RR, Furrow Irrigation

Soybean Enterprise Budget, RR, Furrow Irrigation	n				
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	10070		-	0.00	0.00
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	10070	71010	· ·	0.00	0.00
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		Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1.557	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance	10070	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	0.780	7.00	7.00
	100%	Acre		0.00	0.00
Other Expenses			1 1		
Crop Insurance	100%	Acre Rate %		7.21	7.21 6.23
Interest, Annual Rate Applied for 6 Months			4.00	311.58	
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000/	D.,	60.00	0.00	0.00
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					4
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 Sovbean Enterprise Budget, RR, Center Pivot Irrigation

Table 16. 2019 Soybean Enterprise Budget, RR, CCROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
Crop value, Enter Expected Parin Tield & Frice	100%	Du.	00.00	8.00	310.00
OPERATING EXPENSES		Unit	Quantity	² Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	Quantity 1	64.82	64.82
Nitrogen 100%	100%	Lbs	0	0.00	0.00
Phosphate (0-46-0)	100%	Lbs	90	0.00	19.13
Potash (0-0-60)	100%	Lbs	100	0.21	18.75
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15 0.55	0.00
Boron 15% Other Nutrients, Including Poultry Litter	100%	Lbs	0.00		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 Cyclom Chemical & Fautilian Applications	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications	1,000/	A	0	7.50	0.00
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	1,000/	C-11	2565	2.50	0.01
Diesel Fuel, Pre-Post Harvest		Gallons	3.565	2.50	8.91
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1 007	8.35	8.35
Diesel Fuel, Harvest		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	1000/	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%		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, 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 60 0.19 11.25 Ammonium Sulfate (21-0-0-24) 100% Lbs 0 0.15 0.00 Other Nutrients, Including Poultry Litter 100% Acre 1.00 0.00 0.55 0.00 Other Nutrients, Including Poultry Litter 100% Acre 1 15.00 0.00 0.00 Other Surgicide 100% Acre 1 17.23 17.23 17.23 Pungicide 100% Acre 1 10.00 0.00 Other Chemical 100% Acre 1 0.00 0.00 Custom Chemical & Fertilizer Applications 1 0.00	Table 17. 2019 Soybean Enterprise Budget, RR, N	No Irrigation				
OPERATING EXPENSES Unit Unit Unit Unit Unit Unit Unit Unit	CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Seed, Includes Applicable Fees	Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	34.00	8.60	292.40
Seed, Includes Applicable Fees						
Seed, Includes Applicable Fees	OPERATING EXPENSES		Unit	Quantity	² Price/Unit	Costs
Nitrogen 100%		100%		•		
Phosphate (0-46-0)						
Potash (0-0-60)						
Ammonium Sulfate (21-0-0-24) 100% Lbs 0.00 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 Insecticide 100% Acre 1 156.90 56.90 Insecticide 100% Acre 1 136.7 13.67 Fungicide 100% Acre 1 13.67 13.67 Fungicide 100% Acre 1 13.67 13.67 Fungicide 100% Acre 1 13.67 13.67 Other Chemical 100% Acre 1 0.00 0.00 Air Application: Fertilizer & Chemical 100% Acre 2 8.00 16.00 Air Application: Fertilizer & Chemical 100% Acre 2 8.00 16.00 Air Application: Ebs. 100% Acre 2 8.00 16.00 Air Application: Lbs. 100% Acre 1 8.35 Other Custom Hire, Air Seeding 100% Acre 1 8.35 Machinery and Equipment 100% Acre 1 8.35 8.35 Diesel Fuel, Pre-Post Harvest 100% Gallons 3.565 2.50 8.91 Repairs and Maintenance, Pre-Post Harvest 100% Gallons 1.997 2.50 4.99 Repairs and Maintenance, Harvest 100% Acre 1 6.30 6.30 Irrigation Energy Cost 100% Acre 1 6.30 6.30 Irrigation Energy Cost 100% Acre 1 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 Debet Expenses 100% Acre 1						
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Insecticide	<u> </u>					
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Other Chemical 100% Acre 1 0.00 0.00 Custom Chemical & Fertilizer Applications 3 3 0.00 <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>	-					
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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 100% Gallons 3.565 2.50 8.91 Repairs and Maintenance, Pre-Post Harvest 100% Gallons 1.997 2.50 8.91 Repairs and Maintenance, Pre-Post Harvest 100% Acre 1 6.30 6.30 Irrigation Energy Cost 100% Acre 1 6.30 6.30 Irrigation Energy Cost 100% 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% Acre 1 0.00 0.00 Labor, Field Activities 100% Acre 1 0.00 0.00 <		10070	Acic	1	0.00	0.00
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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 100% Acre 0 8.00 0.00 Machinery and Equipment 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% Acre 1 0.00 0.00 Irrigation Energy Cost 100% Acre 1 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 Leve Gates 100% Acre 1 0.00 0.00	**					
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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 5 0.00 0.00 0.00 Porying 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 \$237.95 \$237.95 Returns to Operating Expenses \$54.45 \$237.95 Machinery and Equipment Acre 1 69.30 69.30 Irrigation Equipment 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 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						
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 34.00 0.00 0.00 Drying 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	•					
Custom Harvest 100% Acre 0.00 0.00 0.00 Post-Harvest Expenses 100% Bu. 34.00 0.00 0.00 Drying 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						
Drying						
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 Acre 1 69.30 69.30 Machinery and Equipment Acre 1 0.00 0.00 Irrigation Equipment Acre 1 0.00 0.00		100%	Acre	0.00	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	*	1000/		24.00	0.00	0.00
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						
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						
Total Operating Expenses\$237.95Returns to Operating Expenses\$54.45CAPITAL RECOVERY & FIXED COSTSMachinery and EquipmentAcre169.3069.30Irrigation EquipmentAcre10.000.00	Check Off, Boards	100%	Bu.	34.00	0.04	1.46
Total Operating Expenses\$237.95Returns to Operating Expenses\$54.45CAPITAL RECOVERY & FIXED COSTSMachinery and EquipmentAcre169.3069.30Irrigation EquipmentAcre10.000.00	Cash Land Rent		Acre	1	0.00	0.00
Returns to Operating Expenses CAPITAL RECOVERY & FIXED COSTS Machinery and Equipment Acre 1 69.30 69.30 Irrigation Equipment Acre 1 0.00 0.00			71010	•	0.00	
CAPITAL RECOVERY & FIXED COSTS Machinery and Equipment Acre 1 69.30 69.30 Irrigation Equipment Acre 1 0.00 0.00						
Irrigation Equipment Acre 1 0.00 0.00	CAPITAL RECOVERY & FIXED COSTS					φυ-110
	* * *		Acre	1		69.30
Farm Overhead; See Note 3 Acre 1 3.46 3.46			Acre	1	0.00	0.00
			Acre	1	3.46	3.46
Total Capital Recovery & Fixed Costs \$72.76	Total Capital Recovery & Fixed Costs					\$72.76
	TOTAL SPECIFIED EXPENSES					\$310.71
NET RETURNS -\$18.31	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

Table 18. 2019 Soybean Enterprise Budget, RR, F			1572-1-1	TD * /TT */	
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
				2m · /m · /	a .
OPERATING EXPENSES			Quantity	² Price/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		Rate %	4.00	315.74	6.31
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	10070	71010	0.00	0.00	0.00
Drying	100%	Bu.	60.00	0.00	0.00
Hauling	100%	Bu.	60.00	0.00	16.20
Check Off, Boards	100%	Bu.	60.00	0.27	2.58
Check Off, Boulds	10070	Du.	00.00	0.04	2.30
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$340.84
Returns to Operating Expenses CAPITAL RECOVERY & FIXED COSTS					\$175.16
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		11010	1	5.51	\$92.96
TOTAL SPECIFIED EXPENSES					\$433.79
NET RETURNS					\$82.21
THE REPORTS					ψ02.21

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

Soybean Enterprise Budget, LL, Furrow Irrigation			1		
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	1.00	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	10070	71010	•	0.00	0.00
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	10070	71010	Ü	0.00	0.00
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		Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1.557	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance	10070	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	0.820	7.00	7.00
Other Expenses					
Crop Insurance	100%	Acre	1 1	0.00	0.00
1	100%	Acre		7.21	7.21
Interest, Annual Rate Applied for 6 Months		Rate %	4.00	337.83	6.76
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000/	D.,	<i>c</i> 0.00	0.00	0.00
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		Acic	1	0.00	\$363.37
Returns to Operating Expenses					\$152.63
CAPITAL RECOVERY & FIXED COSTS					φ132.03
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

Table 20. 2019 Soybean Enterprise Budget, LL, C	Center Pivot II	rrigation			
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	100,0	11010	-	0.00	0.00
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	10070	71010	· ·	0.00	0.00
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		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	10070	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		Rate %	4.00	392.85	7.86
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	10070	71010	0.00	0.00	0.00
Drying 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
2					
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

Table 21. 2019 Soybean Enterprise Budget, LL, No Irrigation					
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	34.00	8.60	292.40
OPERATING EXPENSES		Unit	Quantity	² Price/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	0.15	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1.00	79.63	79.63
Insecticide	100%	Acre	1	17.03	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	100%	Acie	1	0.00	0.00
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
**	100%	Lbs	0	0.080	0.00
Air Application: Lbs.		Acre	0	8.00	0.00
Other Custom Hire, Air Seeding	100%	Acie	U	8.00	0.00
Machinery and Equipment Diesel Fuel, Pre-Post Harvest	1000/	Gallons	3.565	2.50	8.91
	100%	Acre	3.303 1	2.50 8.35	8.35
Repairs and Maintenance, Pre-Post Harvest		Gallons	1.997	2.50	
Diesel Fuel, Harvest					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	1,000/	Ac-In	0	0.00	0.00
Supplies (ex. polypipe)	100%	Acre	1	0.00	0.00
Levee Gates	100%	Acre	0.500	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		Rate %	4.00	270.58	5.41
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000/	ъ.	24.00	0.00	0.00
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 CAPITAL RECOVERY & FIXED COSTS					\$5.77
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		. 1010	1	5.10	\$72.76
TOTAL SPECIFIED EXPENSES					\$359.39
NET RETURNS					-\$66.99
					43007

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

Table 22. 2019 Soybean Enterprise Budget, LL, Flood Irrigation					
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	0.15	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1.00	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	10070	Acic	1	0.00	0.00
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	10070	Acie	U	8.00	0.00
Diesel Fuel, Pre-Post Harvest	1000/	Gallons	4.093	2.50	10.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	4.093	7.93	7.93
Diesel Fuel, Harvest		Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1.997	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance	100%	Ac-III Ac-In	12	0.24	2.88
· · · · · · · · · · · · · · · · · · ·	100%	Ac-iii Acre	12	0.24	0.00
Supplies (ex. polypipe)					
Levee Gates	100%	Acre	0.705	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		Rate %	4.00	332.52	6.65
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000/	D	60.00	0.00	0.00
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

Table 23. 2019 Soybean Enterprise Budget, Conv. CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
Crop value, Enter Expected Pariti Tield & Trice	10070	Du.	00.00	0.00	310.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	0.13	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1.00	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	100%	Acie	1	0.00	0.00
Ground Application: Fertilizer & Chemical	100%	Acre	0	7.50	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	8.00	16.00
Air Application: Pertinzer & Chemicar 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	100%	Acie	U	8.00	0.00
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.342	2.50	10.86
	100%	Acre	4.342	9.02	9.02
Repairs and Maintenance, Pre-Post Harvest Diesel Fuel, Harvest		Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1	6.30	6.30 36.28
Irrigation Energy Cost	100%	Ac-In	12	3.02	
Irrigation System Repairs & Maintenance	1,000/	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%		4.00	282.58	5.65
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000	_		0.00	
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		,	a.		-
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

Table 24. 2019 Soybean Enterprise Budget, Conventional, Center Pivot Irrigation					
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	1.00	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	10070	71010		0.00	0.00
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	10070	71010	· ·	0.00	0.00
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		Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1.557	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance	10070	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	0.000	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		Rate %	4.00	356.24	7.21
Custom Harvest	100%	Acre	0.00	0.00	0.00
	100%	Acie	0.00	0.00	0.00
Post-Harvest Expenses	100%	Du	60.00	0.00	0.00
Drying Hauling	100%	Bu. Bu.	60.00	0.00	16.20
Check Off, Boards	100%		60.00	0.27	
Check Off, Boards	100%	Bu.	00.00	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

Table 25. 2019 Soybean Enterprise Budget, Conventional, No Irrigation					
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	34.00	8.60	292.40
OPERATING EXPENSES		Unit	Quantity	² Price/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		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		Rate %	4.00	241.68	4.83
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	10070	71010	0.00	0.00	0.00
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
Check Off, Boards	10070	Du.	31.00	0.01	1.10
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses		71010	1	0.00	\$257.16
Returns to Operating Expenses					\$35.24
CAPITAL RECOVERY & FIXED COSTS					φουι2 :
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 Sovbean Enterprise Budget, Conventional, Flood Irrigation

Table 26. 2019 Soybean Enterprise Budget, Conventional, Flood Irrigation					
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Bu.	60.00	8.60	516.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	10070		-	0.00	0.00
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	10070	71010	· ·	0.00	0.00
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.093	2.50	10.23
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.053	7.93	7.93
Diesel Fuel, Harvest		Gallons	1.997	2.50	4.99
Repairs and Maintenance, Harvest	100%	Acre	1.557	6.30	6.30
Irrigation Energy Cost	100%	Ac-In	12	2.95	35.43
Irrigation System Repairs & Maintenance	10070	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	0.793	7.00	7.00
-	100%	Acre		0.00	0.00
Other Expenses			1		
Crop Insurance	100%	Acre Rate %	1	7.21	7.21 5.92
Interest, Annual Rate Applied for 6 Months			4.00	295.92	
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses	1000/	D.,	60.00	0.00	0.00
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					4270107
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

Table 27. 2019 Peanut Enterprise Budget, Furrow CROP VALUE	Grower %	Unit	1Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Tons	2.25	420.00	945.00
Crop value, Eliter Expected Parin Tield & Trice	10070	10118	2.23	420.00	945.00
OPERATING EXPENSES		Unit	Quantity	² Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	quantity 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	0.24	15.00
Ammonium Sulfate (21-0-0-24)	100%	Lbs	0	0.15	0.00
Boron 15%	100%	Lbs	0.00	0.13	0.00
Other Nutrients, Including Poultry Litter	100%	Acre	1.00	0.00	0.00
Herbicide	100%	Acre	1.00	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
	100%	Acte	1	9.00	9.00
Custom Chemical & Fertilizer Applications Ground Application: Fertilizer & Chemical	1000/	Acre	0	7.50	0.00
**	100% 100%	Acre	0	8.00	0.00
Air Application: Fertilizer & Chemical Air Application: Lbs.	100%	Lbs	0	0.080	0.00
Other Custom Hire, Air Seeding					
Machinery and Equipment	100%	Acre	0	8.00	0.00
* * *	1000/	Callons	7.931	2.50	10.92
Diesel Fuel, Pre-Post Harvest		Gallons	1.931	2.50	19.83
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	_	14.42	14.42
Diesel Fuel, Harvest		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	1000/	Ac-In	12	0.24	2.88
Supplies (ex. polypipe)	100%	Acre	1	3.88	3.88
Other Inputs	100%	Acre	1 022	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%		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 CAPITAL RECOVERY & FIXED COSTS					\$465.33
		A arra	1	157 15	157.15
Machinery and Equipment		Acre	1	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, Enter Expected Farm Yield & Price 100% Tons 2.25 420.00 945.00 OPERATING EXPENSES Unit Quantity *Price/Unit Costs Seed, Includes Applicable Fees 100% Acre 1 103.50 103.50 Nitrogen 100% 100% Lbs 0 0.00 0.00 Potash (0-0-60) 100% Lbs 5 0.19 15.94 Ammonium Sulfae (21-0-0-24) 100% Lbs 0.00 0.05 5.00 Other Nutrients, Including Poultry Litter 100% Acre 1 50.90 50.90 Insecticide 100% Acre 1 50.90 50.90 Insecticide 100% Acre 1 50.90 50.90 Insecticide 100% Acre 1 50.90 9.00 Insecticide 100% Acre 1 50.90 9.00 Custom Chemical 100% Acre 1 50.50 9.00 Custom Chemical <td< th=""><th>Table 28. 2019 Peanut Enterprise Budget, Center</th><th>Pivot Irrigati</th><th>on</th><th></th><th></th><th></th></td<>	Table 28. 2019 Peanut Enterprise Budget, Center	Pivot Irrigati	on			
OPERATING EXPENSES	CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Seed, Includes Applicable Fees	Crop Value, Enter Expected Farm Yield & Price	100%	Tons	2.25	420.00	945.00
Seed, Includes Applicable Fees						
Secol, Includes Applicable Fees	OPERATING EXPENSES		Unit	Quantity	² Price/Unit	Costs
Nitrogen 100%		100%		- ·		103.50
Phosphate (0-46-0)						
Potash (0-0-60)	•					
Ammonium Sulfate (21-0-0-24)	•					
Boron 15% 100% Lbs 0.00 0.55 0.00 Other Nutrients, Including Poultry Litter 100% Acre 1.00 0.00 0.00 Insecticide 100% Acre 1 13.50 13.50 Nematicide 100% Acre 1 13.50 13.50 Nematicide 100% Acre 1 10.00 0.00 Pungicide 100% Acre 1 9.00 9.00 Custom Chemical & Fertilizer Applications 100% Acre 1 9.00 9.00 Ground Application: Fertilizer & Chemical 100% Acre 0 8.00 0.00 Air Application: Fertilizer & Chemical 100% Acre 0 8.00 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 100% Acre 1 14.13 14.13 Diesel Fuel, Pre-Post Harvest 100% Gallons 7.283 2.50 18.21 Repairs and Maintenance, Pre-Post Harvest 100% Gallons 6.246 2.50 15.61 Repairs and Maintenance, Harvest 100% Acre 1 10.25 10.25 Irrigation Energy Cost 100% Acre 1 10.25 10.25 Irrigation System Repairs & Maintenance 100% Acre 1 10.25 10.25 Irrigation System Repairs & Maintenance 100% Acre 1 0.00 0.00 Other Inputs 100% Acre 1 0.00 0.00 Other Expenses 100% Acre 1 0.00 0.00 Other Expenses 100% Acre 1 0.00 0.00 Other Expenses 100% Acre 1 0.00 0.00 Other Dissurance 100% Acre 1 0.00 0.00 Other Expenses 100% Acre 1 0.00 0.00 Other Dissurance 100% Acre 1 0.00 0.00 Other Dissurance 100% Acre 1 0.00 0.00 Other Expenses 100% Acre 1 0.00 0.00 Other Dissurance 100% Acre 1						
Other Nutrients, Including Poultry Litter 100% Acre 1.00 0.00 0.00 Herbicicide 110% Acre 1 50.90 50.90 Insecticide 100% Acre 1 13.50 13.50 Nematicide 100% Acre 1 41.56 41.56 Other Chemical 100% Acre 1 41.56 41.56 Other Chemical 100% Acre 0 7.50 0.00 Air Application: Fertilizer & Chemical 100% Acre 0 8.00 0.00 Air Application: Fertilizer & Chemical 100% Acre 0 8.00 0.00 Air Application: Fertilizer & Chemical 100% Acre 0 8.00 0.00 Air Application: Fertilizer & Chemical 100% Acre 0 8.00 0.00 Air Application: Fertilizer & Chemical 100% Acre 0 8.00 0.00 Other Custom Hire, Air Seeding 100% Acre 1 14.13 14.13 14.13 14.13 14.13 14.13 14.13 14.13 14.13 14.13						
Herbicide						
Insecticide	•					
Nematicide						
Fungicide						
Other Chemical Custom Chemical & Fertilizer Applications Ground Application: Fertilizer & Chemical 100% Acre 0 7.50 0.00 Acre 0 8.00 0.00 7.50 0.00 Air Application: Fertilizer & Chemical 100% Air Application: Lbs. 0 0.00 100% Lbs 0 0.080 0.00 0.00 Other Custom Hire, Air Seeding 100% Acre 0 0.00 100% 0.00 0.00 Machinery and Equipment Diesel Fuel, Pre-Post Harvest 100% Gallons 100% Acre 1 11.13 14.13 11.13 14.13 Diesel Fuel, Harvest 100% Gallons 6.246 2.50 15.61 6.246 2.50 15.61 Repairs and Maintenance, Pre-Post Harvest 100% Acre 1 10.25 10.25 11.2 4.49 53.82 Irrigation Energy Cost 100% Acre 1 10.00 0.00 10.25 10.25 Irrigation System Repairs & Maintenance 100% Acre 1 0.00 0.00 0.00 Other Inputs 100% Acre 1 0.00 0.00 0.00 Labor, Field Activities 100% Acre 1 0.00 0.00 0.00 Scouting/Consultant Fee 100% Acre 1 0.00 0.00 0.00 Other Expenses 100% Acre 1 0.00 0.00 0.00 Crop Insurance 100% Acre 1 0.00 0.00 0.00 Interest, Annual Rate Applied for 6 Months 100% Rate 4 0.00 0.00 0.00 Cleaning - Applied to Percent Cleaned 100% Tons 2.25 0.00 0.00 0.00 Drying - Applied to Percent Dried 100% Tons 2.25 0.00 0.00 0.00 Check O						
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TOTAL SPECIFIED EXPENSES \$737.16	-		Acre	1	7.71	7.71
TOTAL SPECIFIED EXPENSES \$737.16	Total Capital Recovery & Fixed Costs					\$239.07
	- · · · · · · · · · · · · · · · · · · ·					
NET RETURNS \$207.84	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

Table 29. 2019 Peanut Enterprise Budget, No Irri	gation				
CROP VALUE	Grower %	Unit	¹ Yield	Price/Unit	Revenue
Crop Value, Enter Expected Farm Yield & Price	100%	Tons	1.50	420.00	630.00
OPERATING EXPENSES		Unit	Quantity	² Price/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	10070		-	7.00	7.00
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	10070	71010	· ·	0.00	0.00
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		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	10070	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	1.002	7.00	7.00
	100%	Acre	1	0.00	0.00
Other Expenses			1		
Crop Insurance	100%	Acre Rate %		7.00	7.00
Interest, Annual Rate Applied for 6 Months Custom Harvest			4.00	343.67	6.87
	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 CAPITAL RECOVERY & FIXED COSTS					\$225.38
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

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	² Price/Unit	Costs
Seed, Includes Applicable Fees	100%	Acre	Quantity 1	35.00	35.00
Nitrogen 100%	100%	Lbs	110	0.46	51.00
•	100%	Lbs	110	0.40	26.40
Phosphate (0-46-0)	100%	Lbs	135	0.24	25.31
Potash (0-0-60)					
Ammonium Sulfate (21-0-0-24)	100% 100%	Lbs	50	0.15	7.63
Boron 15% Other Nutrients, Including Poultry Litter		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	1000				
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		Gallons	3.027	2.50	7.57
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1	6.01	6.01
Diesel Fuel, Harvest		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	255.99	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 CAPITAL RECOVERY & FIXED COSTS					\$121.79
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		Acie	1	3.03	\$ 63.69
TOTAL SPECIFIED EXPENSES					\$03.09 \$344.40
NET RETURNS					\$544.40 \$58.10
TEI REIUNIO					φ50.10

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

Table 31. 2019 Cotton Enterprise Budget, B2XF,			1		
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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		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		Rate %	4.00	581.99	11.64
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4	10070	71010	0.00	0.00	0.00
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
Tromotions, Bourds, Classing	10070	Buie	2.10	1.,,5	11.00
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

Table 32. 2019 Cotton Enterprise Budget, B2XF,	Center Pivot	Irrigatio			
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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		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		Rate %	4.00	597.79	11.96
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4	10070	71010	0.00	0.00	0.00
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
Tromotions, Bourds, Classing	10070	Buie	2.10	11,75	11.00
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$609.74
Returns to Operating Expenses CAPITAL RECOVERY & FIXED COSTS					\$230.26
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

Table 33. 2019 Cotton Enterprise Budget, B2XF,			1		
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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		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	100,0	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	1.0.0	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		Rate %	4.00	446.63	8.93
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4	10070	Acic	0.00	0.00	0.00
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
Fromotions, Boards, Classing	10070	Date	1.00	4.93	1.92
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$455.57
Returns to Operating Expenses CAPITAL RECOVERY & FIXED COSTS					\$104.43
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		. 1010	1	0.07	\$169.93
TOTAL SPECIFIED EXPENSES					\$625.50
NET RETURNS					-\$65.50
					+ 30.00

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: 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

Table 34. 2019 Cotton Enterprise Budget, GLT/W	RF, Furrow	Irrigation			
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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		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		Rate %	4.00	600.85	12.02
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4	10070	71010	0.00	0.00	0.00
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
Tromotions, Bourds, Chassing	10070	Buie	2.10	11,75	11.00
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$612.87
Returns to Operating Expenses CAPITAL RECOVERY & FIXED COSTS					\$227.13
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

Chop MALLE			¹ Yield	TD 1 /TT 14	
CROP VALUE	Grower %	Unit		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	² Price/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	100,0	11010	-	10.76	10.76
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	10070	71010	Ü	0.00	0.00
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		Gallons	5.810	2.50	14.52
Repairs and Maintenance, Harvest	100%	Acre	3.010	18.47	18.47
Irrigation Energy Cost	100%	Ac-In	12	4.49	53.82
Irrigation System Repairs & Maintenance	10070	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
	100%		1.714	10.00	10.00
Scouting/Consultant Fee		Acre			
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		Rate %	4.00	597.79	11.96
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4	1000/	T 1	1 200 00	0.10	120.00
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

Table 36. 2019 Cotton Enterprise Budget, GLT/V			1		
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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		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

Table 37. 2019 Cotton Enterprise Budget, B3XF,			1		
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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 CAPITAL RECOVERY & FIXED COSTS					\$288.01
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		. 1010	1	0.03	\$188.39
TOTAL SPECIFIED EXPENSES					\$740.38
NET RETURNS					\$99.62
					Ψ//

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

Table 38. 2019 Cotton Enterprise Budget, B3XF,					
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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		Rate %	4.00	548.66	10.97
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4	10070	71010	0.00	0.00	0.00
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
1 Tolliotions, Dourds, Classing	10070	Daic	2.40	7.73	11.00
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

Table 39. 2019 Cotton Enterprise Budget, B3XF,			1579 11	5.4.67.4.	
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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		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	100,0	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	1.0.0	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		Rate %	4.00	425.55	8.51
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4	10070	Acic	0.00	0.00	0.00
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
1 Tomotions, Boards, Classing	10070	Date	1.00	4.93	1.92
Cash Land Rent		Acre	1	0.00	0.00
Total Operating Expenses					\$434.06
Returns to Operating Expenses CAPITAL RECOVERY & FIXED COSTS					\$125.94
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		. 1010	1	0.07	\$169.93
TOTAL SPECIFIED EXPENSES					\$603.99
NET RETURNS					-\$43.99
					¥ 10177

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

Table 40. 2019 Cotton Enterprise Budget, Conven	tional, Furro	w Irrigat			
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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 CAPITAL RECOVERY & FIXED COSTS					\$316.71
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		. 1010	1	0.03	\$188.39
TOTAL SPECIFIED EXPENSES					\$711.68
NET RETURNS					\$128.32
					Ψ.20102

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

Table 41. 2019 Cotton Enterprise Budget, Conven					
CROP VALUE	Grower %	Unit	¹ Yield	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	² Price/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		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		Rate %	4.00	636.52	12.73
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 4	10070	71010	0.00	0.00	0.00
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
Tromotions, Boards, Classing	10070	Buic	2.10	1.55	11.00
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		
			100 lbs Urea, 29 lbs Zinc Sulfate,	
			100 lbs Ammonium Sulfate, 150 lbs Potash, and	
Fertilizer Spreader	30 ft.	Fertilizer	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		
			100 lbs Urea, 29 lbs Zinc Sulfate,	
			100 lbs Ammonium Sulfate, 150 lbs Potash,	
Fertilizer Spreader	30 ft.	Fertilizer	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 Activity	ties, No Irrigation	n	
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	
			100 lbs Urea, 29 lbs Zinc Sulfate,
			100 lbs Ammonium Sulfate, 150 lbs Potash,
Fertilizer Spreader	30 ft.	Fertilizer	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			
			100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium		
Fertilizer Spreader	30 ft.	Fertilizer	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			
			100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium		
Fertilizer Spreader	30 ft.	Fertilizer	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			
			Blend (100 lbs Urea, 29 lbs Zinc Sulfate, 100 lbs Ammonium Sulfate, 150 lbs Potash, and 130 lbs		
Fertilizer Spreader	30 ft.	Fertilizer	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 Phophate, 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 Activ	vities, Convention	al 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 Activ	vities, 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
			230 lb Urea (46-0-0),
Custom Aerial Application		Fertilizer	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 Activ	vities, Hybrid See	ed	
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 Activ	ities, 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	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Stubble Roller	32 ft.	Manage Stubble	

Table A-14. Rice Field Activities, Conventional Seed, Zero Grade, No Till, Water Seeded			
Field Trip	Width	Activity	
Ditcher		Fall	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Custom Aerial Application		Plant	120 lbs seed per acre
Custom Aerial Application		Herbicide	1 gal Duet
Custom Aerial Application		Herbicide	0.5 oz Regiment
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0)
Flood Field			
Custom Aerial Application		Insecticide	1.6 oz 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	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-15. Soybean Field	Activities, RF	R, 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 Phophate 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	

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 A	activities, LL, Ce	enter 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 A	Activities, LL, N	o 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	

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 A	Activities, Conve	entional, Furrow Irrigation	
Field Trip	Field Trip Width		Conventional
Disk	Disk 32 ft.		
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	rrigation Sweep 12 Row		
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 A	Activities, Conve	entional, Center Pivot Irrigati	on	
Field Trip Widt		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, Conv	entional, 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		

Table A-26. Soybean Field A	Activities, Conve	entional, Flood Irrigation	
Field Trip Width		Activity	Conventional
Disk	32 ft.	Fall Tillage	
Field Cultivator	36 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 32 oz 2,4-D
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	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	

Table A-27. Peanut Field Act	ivities, Furrow	Irrigated		
Field Trip	Field Trip Width		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	ant 12 row		9 oz Admire Pro, 14 oz Optimize	
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	3 oz Valor EZ, 2 pt Prowl H ₂ 0	
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 Ac	tivities, Pivot	Irrigated	
Field Trip	Field Trip Width		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 0
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 0	
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 Self-propelled sprayer	90 ft. 90 ft.	Fungicide Fungicide	2 pt Muscle ADV 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-30. Wheat Field Activities	es		
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
			140 lbs Urea (46-0-0),
Fertilizer Spreader	30 ft.	Fertilizer	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	325 hp	Harvest	
Head	30 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-31. Cotton Field	d Activities	, B2XF, Furrow 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
Knife Rig	12 Row	Fertilizer	125 lbs Urea
			29 oz Glufosinate, 1 pt Metolachlor,
		Herbicide, Insecticide,	2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Growth Regulator	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
			2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	20 oz Mepiquat Chloride
Custom Aerial			2 oz Transform, 20 oz Mepiquat Chloride,
Application		Insecticide, Growth Regulator	20 oz Chlorantraniliprole
Custom Aerial			2 oz Transform, 20 oz Mepiquat Chloride,
Application		Insecticide, Growth Regulator	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	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		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	
			29 oz Glufosinate, 1 pt Metolachlor,	
		Herbicide, Insecticide,	2 oz Thiamethoxam, 6 oz Diamond,	
Self-Propelled Sprayer	90 ft.	Growth Regulator	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	
			2 oz Thiamethoxam, 6 oz Diamond,	
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	20 oz Mepiquat Chloride	
			2 oz Transform, 20 oz Mepiquat Chloride,	
Custom Aerial Application		Insecticide, Growth Regulator	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		Harvest		
Module Builder		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	
			29 oz Glufosinate, 1 pt Metolachlor,	
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	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	
		Insecticide, Growth		
Self-Propelled Sprayer	90 ft.	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-34. Cotton Field A	Activities, G	LT/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
			29 oz Glufosinate, 1 pt Metolachlor,
		Herbicide, Insecticide,	2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Growth Regulator	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
			2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	20 oz Mepiquat Chloride
			2 oz Transform, 20 oz Mepiquat Chloride,
Custom Aerial Application		Insecticide, Growth Regulator	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
			29 oz Glufosinate, 1 pt Metolachlor,
		Herbicide, Insecticide,	2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Growth Regulator	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
			2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	20 oz Mepiquat Chloride
			2 oz Transform, 20 oz Mepiquat Chloride,
Custom Aerial Application		Insecticide, Growth Regulator	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
			29 oz Glufosinate, 1 pt Metolachlor,
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	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, 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
			29 oz Glufosinate, 1 pt Metolachlor,
		Herbicide, Insecticide,	2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Growth Regulator	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
			2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	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-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
			29 oz Glufosinate, 1 pt Metolachlor,
		Herbicide, Insecticide,	2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Growth Regulator	16 oz Mepiquat Chloride
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor SX, 1.5 qt MSMA 6
			2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	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
		Herbicide, Insecticide,	29 oz Glufosinate, 1 pt Metolachlor,
Self-Propelled Sprayer	90 ft.	Growth Regulator	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	1 71
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
		Herbicide, Insecticide,	1 pt Metolachor, 2 oz Thiamethoxam,
Self-Propelled Sprayer	90 ft.	Growth Regulator	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
			2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	20 oz Mepiquat Chloride
			2 oz Transform, 20 oz Mepiquat Chloride,
Custom Aerial Application		Insecticide, Growth Regulator	20 oz Chlorantraniliprole
			2 oz Transform, 20 oz Mepiquat Chloride,
Custom Aerial Application		Insecticide, Growth Regulator	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
		Herbicide, Insecticide,	1 pt Metolachlor, 2 oz Thiamethoxam,
Self-Propelled Sprayer	90 ft.	Growth Regulator	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
			2 oz Thiamethoxam, 6 oz Diamond,
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	20 oz Mepiquat Chloride
			2 oz Transform, 20 oz Mepiquat Chloride,
Custom Aerial Application		Insecticide, Growth Regulator	20 oz Chlorantraniliprole
			2 oz Transform, 20 oz Mepiquat Chloride,
Custom Aerial Application		Insecticide, Growth Regulator	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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