



DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System

2015 Crop Enterprise Budgets

for Arkansas Field Crops Planted in 2015

AG-1302

2015 Crop Enterprise Budgets

AG-1302

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Table of Contents

Section	Page
Introduction	1
Summary of Methods	1
Summary of 2015 Budgets	3
Crop Budgets	6-36
Corn: Table 1-Table 3	6
Cotton: Table 4-Table 10	9
Grain Sorghum: Table 11-Table 13	16
Rice: Table 14-Table 18	19
Soybean: Table 19-Table 27	24
Wheat: Table 28	33
Peanut: Table 29-Table 31	34
Appendix-Field Activities	37
References	69

2015 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 2014). Labor costs in crop enterprise budgets represent time devoted to specified field activities.

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

well as actual cash expenses for machinery. Amortization factors applied for capital recovery estimation coincide with prevailing long-term interest rates (Edwards 2005). Interest rates in this report are from Arkansas lenders as reported in November 2014. Representative prices for machinery and equipment are based on contacts with Arkansas dealers and industry list prices (IRON Solutions 2014). 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	¹ Rice	Peanut
Yield (cotton-lb, peanut-ton, other-bu)	1200	220	110	60	180	2.25
Price (\$/yield unit)	0.65	4.00	3.80	10.00	5.70	450.00
Grower Share, %	100%	100%	100%	100%	100%	100%
Crop Revenue	780.00	880.00	418.00	600.00	1026.00	1012.50
Gin Rebate/Bale	60.00					
Operating Expenses						
Input Costs	495.03	409.32	217.73	269.38	435.57	296.33
Crop Insurance	0.00	0.00	0.00	0.00	0.00	0.00
Other Operating Expenses	102.17	47.98	40.17	38.90	62.77	81.21
Total Operating Expenses	597.20	457.30	257.90	308.28	498.34	377.54
Post-harvest Expenses	144.78	99.00	28.60	18.00	119.43	67.50
² Net Operating Expenses	597.98	556.30	286.50	326.28	617.77	445.04
Cash Land Rent	0.00	0.00	0.00	0.00	0.00	0.00
³ Returns to Operating Expenses	182.02	323.70	131.50	273.72	408.23	567.46
Fixed Costs	152.32	84.98	78.11	74.00	123.31	199.49
⁴ Total Specified Expenses	750.30	641.28	364.61	400.28	741.08	644.53
³ Returns to Specified Expenses	29.70	238.72	53.39	199.72	284.92	367.97
Operating Expenses/yield unit	0.50	2.53	2.60	5.44	3.43	197.80
Total Expenses ⁴ /yield unit	0.63	2.91	3.31	6.67	4.12	286.46
Land Cost/acre	0.00	0.00	0.00	0.00	0.00	0.00
Land Cost/yield unit	0.00	0.00	0.00	0.00	0.00	0.00

¹Rice input costs and other operating expenses are weighted averages for conventional, Clearfield, hybrid, and Clearfield hybrid seeds.

²Cottonseed value 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	220	110	60	2.25
Price (\$/yield unit)	0.65	4.00	3.80	10.00	450.00
Grower Share, %	100%	100%	100%	100%	100%
Crop Revenue	780.00	880.00	418.00	600.00	1012.50
Gin Rebate/Bale	60.00				
Operating Expenses					
Input Costs	507.77	425.10	227.43	282.12	309.07
Crop Insurance	0.00	0.00	0.00	0.00	0.00
Other Operating Expenses	106.96	54.14	43.58	43.68	86.00
Total Operating Expenses	614.73	479.24	271.01	325.80	395.07
Post-harvest Expenses	144.78	99.00	28.60	18.00	67.50
¹ Net Operating Expenses	615.51	578.24	299.61	343.80	462.57
Cash Land Rent	0.00	0.00	0.00	0.00	0.00
² Returns to Operating Expenses	164.49	301.76	118.39	256.20	549.93
Fixed Costs	197.75	138.50	115.46	119.44	244.93
³ Total Specified Expenses	813.26	716.74	415.07	463.24	707.50
² Returns to Specified Expenses	-33.26	163.26	2.93	136.76	305.00
Operating Expenses/yield unit	0.51	2.63	2.72	5.73	205.59
Total Expenses ⁴ /yield unit	0.68	3.26	3.77	7.72	314.44
Land Cost/acre	0.00	0.00	0.00	0.00	0.00
Land Cost/yield unit	0.00	0.00	0.00	0.00	0.00

¹Cottonseed value deducted from post-harvest expenses.

²Share rent and cash land rent are deducted from crop revenue.

³Does not include land costs, management, or other expenses and fees not associated with production.

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

Receipts	Cotton	Corn	Sorghum	Soybean	Wheat	Peanut
Yield (cotton-lb, peanut-ton, other-bu)	800	125	70	30	70	1.50
Price (\$/yield unit)	0.65	4.00	3.80	10.00	5.75	450.00
Grower Share, %	100%	100%	100%	100%	100%	100%
Crop Revenue	520.00	500.00	266.00	300.00	402.50	675.00
Gin Rebate/Bale	60.00					
Operating Expenses						
Input Costs	387.51	300.46	167.00	228.72	220.49	255.68
Crop Insurance	0.00	0.00	0.00	0.00	0.00	0.00
Other Operating Expenses	94.62	38.10	32.80	31.20	31.04	73.52
Total Operating Expenses	482.13	338.56	199.80	259.92	251.53	329.20
Post-harvest Expenses	96.52	56.25	18.20	9.00	18.20	45.00
¹ Net Operating Expenses	482.65	394.81	218.00	268.92	269.73	374.20
Cash Land Rent	0.00	0.00	0.00	0.00	0.00	0.00
² Returns to Operating Expenses	37.35	105.19	48.00	31.08	132.77	300.80
Fixed Costs	132.73	59.81	57.36	51.05	51.74	176.53
³ Total Specified Expenses	615.38	454.62	275.36	319.97	321.47	550.73
² Returns to Specified Expenses	-95.38	45.38	-9.36	-19.97	81.03	124.27
Operating Expenses/yield unit	0.60	3.16	3.11	8.96	3.85	249.47
Total Expenses ⁴ /yield unit	0.77	3.64	3.93	10.67	4.59	367.15
Land Cost/acre	0.00	0.00	0.00	0.00	0.00	0.00
Land Cost/yield unit	0.00	0.00	0.00	0.00	0.00	0.00

¹Cottonseed value deducted from post-harvest expenses.

²Share rent and cash land rent are deducted from crop revenue.

³Does not include land costs, management, or other expenses and fees not associated with production.

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	220.00	4.00	880.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	125.73	125.73
Nitrogen	100%	Lbs	223	0.47	104.83
Phosphate (P2O5)	100%	Lbs	60	0.50	30.00
Potash (K2O)	100%	Lbs	90	0.37	33.30
Sulfur	100%	Lbs	24	0.29	6.96
Zinc Sulfate	100%	Lbs	10.00	1.52	15.20
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	23.80	23.80
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.253	2.48	10.55
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	9.34	9.34
Diesel Fuel, Harvest	100%	Gallons	3.023	2.48	7.50
Repairs and Maintenance, Harvest	100%	Acre	1	12.96	12.96
Irrigation Energy Cost	100%	Ac-In	14	2.93	41.01
Irrigation System Repairs & Maintenance	100%	Ac-In	14	0.23	3.25
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.918	12.88	11.82
Scouting/Consultant Fee	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%	Rate %	4.75	446.69	10.61
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	220.00	0.19	41.80
Hauling	100%	Bu	220.00	0.25	55.00
Check Off, Boards	100%	Bu	220.00	0.01	2.20
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$556.29
Returns to Operating Expenses					\$323.71
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	62.65	62.65
Irrigation Equipment		Acre	1	19.19	19.19
Overhead; See Note 1		Acre	1	3.13	3.13
Total Capital Recovery					\$84.98
TOTAL SPECIFIED EXPENSES					\$641.27
NET RETURNS					\$238.73

Note 1: Estimate based on machinery and equipment.

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	220.00	4.00	880.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	125.73	125.73
Nitrogen	100%	Lbs	223	0.47	104.83
Phosphate (P2O5)	100%	Lbs	60	0.50	30.00
Potash (K2O)	100%	Lbs	90	0.37	33.30
Sulfur	100%	Lbs	24	0.29	6.96
Zinc Sulfate	100%	Lbs	10.00	1.52	15.20
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	23.80	23.80
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.425	2.48	8.49
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.50	8.50
Diesel Fuel, Harvest	100%	Gallons	3.023	2.48	7.50
Repairs and Maintenance, Harvest	100%	Acre	1	12.96	12.96
Irrigation Energy Cost	100%	Ac-In	14	4.45	62.29
Irrigation System Repairs & Maintenance	100%	Ac-In	14	0.81	11.33
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.794	12.88	10.23
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	468.12	11.12
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	220.00	0.19	41.80
Hauling	100%	Bu	220.00	0.25	55.00
Check Off, Boards	100%	Bu	220.00	0.01	2.20
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$578.24
Returns to Operating Expenses					\$301.76
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	56.96	56.96
Irrigation Equipment		Acre	1	78.69	78.69
Overhead; See Note 1		Acre	1	2.85	2.85
Total Capital Recovery					\$138.50
TOTAL SPECIFIED EXPENSES					\$716.74
NET RETURNS					\$163.26

Note 1: Estimate based on machinery and equipment.

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	125.00	4.00	500.00	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	99.06	99.06	
Nitrogen	100%	Lbs	156	0.49	76.15	
Phosphate (P2O5)	100%	Lbs	60	0.50	30.00	
Potash (K2O)	100%	Lbs	90	0.37	33.30	
Sulfur	100%	Lbs	24	0.29	6.96	
Zinc Sulfate	100%	Lbs	10.00	1.52	15.20	
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	
Herbicide	100%	Acre	1	23.80	23.80	
Insecticide	100%	Acre	1	0.00	0.00	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Lbs.	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.425	2.48	8.49	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.50	8.50	
Diesel Fuel, Harvest	100%	Gallons	3.023	2.48	7.50	
Repairs and Maintenance, Harvest	100%	Acre	1	12.96	12.96	
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00	
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00	
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	
Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	0.682	12.88	8.79	
Scouting/Consultant Fee	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%	Rate %	4.75	330.70	7.85	
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	1.00	0.00	0.00	
Total Operating Expenses					\$394.81	
Returns to Operating Expenses					\$105.19	
CAPITAL RECOVERY & FIXED COSTS						
Machinery and Equipment		Acre	1	56.96	56.96	
Irrigation Equipment		Acre	1	0.00	0.00	
Overhead; See Note 1		Acre	1	2.85	2.85	
Total Capital Recovery					\$59.81	
TOTAL SPECIFIED EXPENSES					\$454.62	
NET RETURNS					\$45.38	

Note 1: Estimate based on machinery and equipment.

Table 4. Arkansas Cotton Enterprise Budget, GLB2, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Bale	2.400	60.00	144.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	120.18	120.18
Nitrogen	100%	Lbs	94	0.49	45.69
Phosphate (P2O5)	100%	Lbs	30	0.50	15.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	116.32	116.32
Insecticide	100%	Acre	1	67.48	67.48
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	3.19	3.19
Defoliant	100%	Acre	1	15.15	15.15
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.133	2.48	15.21
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.40	15.40
Diesel Fuel, Harvest	100%	Gallons	5.693	2.48	14.12
Repairs and Maintenance, Harvest	100%	Acre	1	23.05	23.05
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.792	12.88	23.08
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	583.35	13.85
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$597.98
Returns to Operating Expenses					\$182.02
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	128.89	128.89
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 4		Acre	1	6.44	6.44
Total Capital Recovery					\$152.32
TOTAL SPECIFIED EXPENSES					\$750.30
NET RETURNS					\$29.70

Note 1: Technology fees and seed costs vary by geographical location.

Note 2: Boll weevil eradication fee is \$14 in NE Arkansas, \$8 elsewhere.

Note 3: Cottonseed value deducted from post-harvest expenses.

Note 4: Estimate based on machinery and equipment.

Table 5. Arkansas Cotton Enterprise Budget, GLB2, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Bale	2.400	60.00	144.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	120.18	120.18
Nitrogen	100%	Lbs	94	0.49	45.69
Phosphate (P2O5)	100%	Lbs	30	0.50	15.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	116.32	116.32
Insecticide	100%	Acre	1	67.48	67.48
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	3.19	3.19
Defoliant	100%	Acre	1	15.15	15.15
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.304	2.48	13.16
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	14.56	14.56
Diesel Fuel, Harvest	100%	Gallons	5.693	2.48	14.12
Repairs and Maintenance, Harvest	100%	Acre	1	23.05	23.05
Irrigation Energy Cost	100%	Ac-In	12	4.45	53.39
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.81	9.71
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.660	12.88	21.38
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	600.46	14.26
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$615.51
Returns to Operating Expenses					\$164.49
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	123.20	123.20
Irrigation Equipment		Acre	1	68.40	68.40
Overhead; See Note 4		Acre	1	6.16	6.16
Total Capital Recovery					\$197.75
TOTAL SPECIFIED EXPENSES					\$813.26
NET RETURNS					-\$33.26

Note 1: Technology fees and seed costs vary by geographical location.

Note 2: Boll weevil eradication fee is \$14 in NE Arkansas, \$8 elsewhere.

Note 3: Cottonseed value deducted from post-harvest expenses.

Note 4: Estimate based on machinery and equipment.

Table 6. Arkansas Cotton Enterprise Budget, GLB2, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	75%	Lbs	800.00	0.65	390.00
Cottonseed Value	75%	Bale	1.600	60.00	72.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	120.18	120.18
Nitrogen	100%	Lbs	72	0.48	34.76
Phosphate (P2O5)	100%	Lbs	20	0.50	10.00
Potash (K2O)	100%	Lbs	40	0.37	14.80
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	116.32	116.32
Insecticide	100%	Acre	1	41.58	41.58
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	0.94	0.94
Defoliant	100%	Acre	1	13.13	13.13
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.565	2.48	13.80
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.91	15.91
Diesel Fuel, Harvest	100%	Gallons	5.693	2.48	14.12
Repairs and Maintenance, Harvest	100%	Acre	1	23.05	23.05
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.590	12.88	20.48
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	470.95	11.19
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	800.00	0.09	72.00
Storage and Warehousing	100%	Bale	1.60	10.50	16.80
Promotions, Boards, Classing	100%	Bale	1.60	4.83	7.72
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$506.66
Returns to Operating Expenses					-\$116.66
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	126.41	126.41
Irrigation Equipment		Acre	1	0.00	0.00
Overhead; See Note 4		Acre	1	6.32	6.32
Total Capital Recovery					\$132.73
TOTAL SPECIFIED EXPENSES					\$639.38
NET RETURNS					-\$249.38

Note 1: Technology fees and seed costs vary by geographical location.

Note 2: Boll weevil eradication fee is \$14 in NE Arkansas, \$8 elsewhere.

Note 3: Cottonseed value deducted from post-harvest expenses.

Note 4: Estimate based on machinery and equipment.

Table 7. Arkansas Cotton Enterprise Budget, GLT, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Bale	2.400	60.00	144.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	120.18	120.18
Nitrogen	100%	Lbs	94	0.49	45.69
Phosphate (P2O5)	100%	Lbs	30	0.50	15.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	116.32	116.32
Insecticide	100%	Acre	1	67.48	67.48
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	3.19	3.19
Defoliant	100%	Acre	1	15.15	15.15
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.133	2.48	15.21
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.40	15.40
Diesel Fuel, Harvest	100%	Gallons	5.693	2.48	14.12
Repairs and Maintenance, Harvest	100%	Acre	1	23.05	23.05
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.792	12.88	23.08
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	583.35	13.85
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$597.98
Returns to Operating Expenses					\$182.02
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	128.89	128.89
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 4		Acre	1	6.44	6.44
Total Capital Recovery					\$152.32
TOTAL SPECIFIED EXPENSES					\$750.30
NET RETURNS					\$29.70

Note 1: Technology fees and seed costs vary by geographical location.

Note 2: Boll weevil eradication fee is \$14 in NE Arkansas, \$8 elsewhere.

Note 3: Cottonseed value deducted from post-harvest expenses.

Note 4: Estimate based on machinery and equipment.

Table 8. Arkansas Cotton Enterprise Budget, GLT, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Bale	2.400	60.00	144.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	120.18	120.18
Nitrogen	100%	Lbs	94	0.49	45.69
Phosphate (P2O5)	100%	Lbs	30	0.50	15.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	116.32	116.32
Insecticide	100%	Acre	1	67.48	67.48
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	3.19	3.19
Defoliant	100%	Acre	1	15.15	15.15
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.304	2.48	13.16
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	14.56	14.56
Diesel Fuel, Harvest	100%	Gallons	5.693	2.48	14.12
Repairs and Maintenance, Harvest	100%	Acre	1	23.05	23.05
Irrigation Energy Cost	100%	Ac-In	12	4.45	53.39
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.81	9.71
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.660	12.88	21.38
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	600.46	14.26
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$615.51
Returns to Operating Expenses					\$164.49
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	123.20	123.20
Irrigation Equipment		Acre	1	68.40	68.40
Overhead; See Note 4		Acre	1	6.16	6.16
Total Capital Recovery					\$197.75
TOTAL SPECIFIED EXPENSES					\$813.26
NET RETURNS					-\$33.26

Note 1: Technology fees and seed costs vary by geographical location.

Note 2: Boll weevil eradication fee is \$14 in NE Arkansas, \$8 elsewhere.

Note 3: Cottonseed value deducted from post-harvest expenses.

Note 4: Estimate based on machinery and equipment.

Table 9. Arkansas Cotton Enterprise Budget, GLT, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	800.00	0.65	520.00
Cottonseed Value	100%	Bale	1.600	60.00	96.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	120.18	120.18
Nitrogen	100%	Lbs	72	0.48	34.76
Phosphate (P2O5)	100%	Lbs	20	0.50	10.00
Potash (K2O)	100%	Lbs	40	0.37	14.80
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	116.32	116.32
Insecticide	100%	Acre	1	41.58	41.58
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	0.94	0.94
Defoliant	100%	Acre	1	13.13	13.13
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.565	2.48	13.80
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.91	15.91
Diesel Fuel, Harvest	100%	Gallons	5.693	2.48	14.12
Repairs and Maintenance, Harvest	100%	Acre	1	23.05	23.05
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.590	12.88	20.48
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	470.95	11.19
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	800.00	0.09	72.00
Storage and Warehousing	100%	Bale	1.60	10.50	16.80
Promotions, Boards, Classing	100%	Bale	1.60	4.83	7.72
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$482.66
Returns to Operating Expenses					\$37.34
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	126.41	126.41
Irrigation Equipment		Acre	1	0.00	0.00
Overhead; See Note 4		Acre	1	6.32	6.32
Total Capital Recovery					\$132.73
TOTAL SPECIFIED EXPENSES					\$615.38
NET RETURNS					-\$95.38

Note 1: Technology fees and seed costs vary by geographical location.

Note 2: Boll weevil eradication fee is \$14 in NE Arkansas, \$8 elsewhere.

Note 3: Cottonseed value deducted from post-harvest expenses.

Note 4: Estimate based on machinery and equipment.

Table 10. Arkansas Cotton Enterprise Budget, Conventional, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	1,200.00	0.65	780.00
Cottonseed Value	100%	Bale	2.400	60.00	144.00
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	45.13	45.13
Nitrogen	100%	Lbs	94	0.49	45.69
Phosphate (P2O5)	100%	Lbs	30	0.50	15.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	5.00	5.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	109.32	109.32
Insecticide	100%	Acre	1	75.82	75.82
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	3.19	3.19
Defoliant	100%	Acre	1	15.15	15.15
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.616	2.48	16.41
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	16.25	16.25
Diesel Fuel, Harvest	100%	Gallons	5.693	2.48	14.12
Repairs and Maintenance, Harvest	100%	Acre	1	23.05	23.05
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.842	12.88	23.72
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	519.32	12.33
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.83	11.58
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$532.43
Returns to Operating Expenses					\$247.57
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	132.06	132.06
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 4		Acre	1	6.60	6.60
Total Capital Recovery					\$155.65
TOTAL SPECIFIED EXPENSES					\$688.08
NET RETURNS					\$91.92

Note 1: Technology fees and seed costs vary by geographical location.

Note 2: Boll weevil eradication fee is \$14 in NE Arkansas, \$8 elsewhere.

Note 3: Cottonseed value deducted from post-harvest expenses.

Note 4: Estimate based on machinery and equipment.

Table 11. Arkansas Grain Sorghum Enterprise Budget, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	110.00	3.80	418.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	24.18	24.18
Nitrogen	100%	Lbs	111	0.43	47.64
Phosphate (P2O5)	100%	Lbs	60	0.50	30.00
Potash (K2O)	100%	Lbs	90	0.37	33.30
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	29.41	29.41
Insecticide	100%	Acre	1	2.30	2.30
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.298	2.48	10.66
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	9.21	9.21
Diesel Fuel, Harvest	100%	Gallons	3.023	2.48	7.50
Repairs and Maintenance, Harvest	100%	Acre	1	10.98	10.98
Irrigation Energy Cost	100%	Ac-In	10	2.93	29.29
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.23	2.32
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.906	12.88	11.67
Scouting/Consultant Fee	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%	Rate %	4.75	251.92	5.98
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	110.00	0.00	0.00
Hauling	100%	Bu	110.00	0.25	27.50
Check Off, Boards	100%	Bu	110.00	0.01	1.10
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$286.50
Returns to Operating Expenses					\$131.50
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	60.32	60.32
Irrigation Equipment		Acre	1	14.77	14.77
Overhead; See Note 1		Acre	1	3.02	3.02
Total Capital Recovery					\$78.11
TOTAL SPECIFIED EXPENSES					\$364.61
NET RETURNS					\$53.39

Note 1: Estimate based on machinery and equipment.

Table 12. Arkansas Grain Sorghum Enterprise Budget, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	110.00	3.80	418.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	24.18	24.18
Nitrogen	100%	Lbs	111	0.43	47.64
Phosphate (P2O5)	100%	Lbs	60	0.50	30.00
Potash (K2O)	100%	Lbs	90	0.37	33.30
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	29.41	29.41
Insecticide	100%	Acre	1	2.30	2.30
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.470	2.48	8.60
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.37	8.37
Diesel Fuel, Harvest	100%	Gallons	3.023	2.48	7.50
Repairs and Maintenance, Harvest	100%	Acre	1	10.98	10.98
Irrigation Energy Cost	100%	Ac-In	10	4.45	44.50
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.81	8.09
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.764	12.88	9.85
Scouting/Consultant Fee	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%	Rate %	4.75	264.72	6.29
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	110.00	0.00	0.00
Hauling	100%	Bu	110.00	0.25	27.50
Check Off, Boards	100%	Bu	110.00	0.01	1.10
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$299.60
Returns to Operating Expenses					\$118.40
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	54.63	54.63
Irrigation Equipment		Acre	1	58.10	58.10
Overhead; See Note 1		Acre	1	2.73	2.73
Total Capital Recovery					\$115.46
TOTAL SPECIFIED EXPENSES					\$415.06
NET RETURNS					\$2.94

Note 1: Estimate based on machinery and equipment.

Table 13. Arkansas Grain Sorghum Enterprise Budget, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	70.00	3.80	266.00	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	16.74	16.74	
Nitrogen	100%	Lbs	91	0.43	39.15	
Phosphate (P2O5)	100%	Lbs	60	0.50	30.00	
Potash (K2O)	100%	Lbs	90	0.37	33.30	
Sulfur	100%	Lbs	0	0.29	0.00	
Boron	100%	Lbs	0.00	5.00	0.00	
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	
Herbicide	100%	Acre	1	29.41	29.41	
Insecticide	100%	Acre	1	2.30	2.30	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Lbs.	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.470	2.48	8.60	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.37	8.37	
Diesel Fuel, Harvest	100%	Gallons	3.023	2.48	7.50	
Repairs and Maintenance, Harvest	100%	Acre	1	10.98	10.98	
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00	
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00	
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	
Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	0.684	12.88	8.81	
Scouting/Consultant Fee	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%	Rate %	4.75	195.16	4.64	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	70.00	0.00	0.00	
Hauling	100%	Bu	70.00	0.25	17.50	
Check Off, Boards	100%	Bu	70.00	0.01	0.70	
Cash Land Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					\$218.00	
Returns to Operating Expenses					\$48.00	
CAPITAL RECOVERY & FIXED COSTS						
Machinery and Equipment		Acre	1	54.63	54.63	
Irrigation Equipment		Acre	1	0.00	0.00	
Overhead; See Note 1		Acre	1	2.73	2.73	
Total Capital Recovery					\$57.36	
TOTAL SPECIFIED EXPENSES					\$275.35	
NET RETURNS					-\$9.35	

Note 1: Estimate based on machinery and equipment.

Table 14. Arkansas Rice Enterprise Budget, Conventional Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	180.00	5.70	1,026.00	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	33.84	33.84	
Nitrogen	100%	Lbs	152	0.43	65.18	
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00	
Potash (K2O)	100%	Lbs	60	0.37	22.20	
Sulfur	100%	Lbs	0	0.29	0.00	
Boron	100%	Lbs	0.00	5.00	0.00	
Agrotain	100%	Qts	0.46	18.37	8.45	
Herbicide	100%	Acre	1	62.46	62.46	
Insecticide	100%	Acre	1	2.88	2.88	
Fungicide	100%	Acre	1	24.80	24.80	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00	
Air Application: Lbs.	100%	Lbs	330	0.070	23.10	
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.791	2.48	11.88	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.37	7.37	
Diesel Fuel, Harvest	100%	Gallons	5.289	2.48	13.12	
Repairs and Maintenance, Harvest	100%	Acre	1	22.26	22.26	
Irrigation Energy Cost	100%	Ac-In	30	2.93	87.88	
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.23	6.97	
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65	
Survey Levees	100%	Acre	1	4.50	4.50	
Labor, Field Activities	100%	Hrs	1.134	12.88	14.61	
Scouting/Consultant Fee	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%	Rate %	4.75	453.13	10.76	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	180.00	0.40	72.00	
Hauling	100%	Bu	180.00	0.25	45.00	
Check Off, Boards	100%	Bu	180.00	0.01	2.43	
Cash Land Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					\$583.33	
Returns to Operating Expenses					\$442.67	
CAPITAL RECOVERY & FIXED COSTS						
Machinery and Equipment		Acre	1	82.34	82.34	
Irrigation Equipment		Acre	1	36.85	36.85	
Overhead; See Note 1		Acre	1	4.12	4.12	
Total Capital Recovery					\$123.31	
TOTAL SPECIFIED EXPENSES					\$706.63	
NET RETURNS					\$319.37	

Note 1: Estimate based on machinery and equipment.

Table 15. Arkansas Rice Enterprise Budget, Clearfield Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	180.00	5.70	1,026.00	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	83.52	83.52	
Nitrogen	100%	Lbs	152	0.43	65.18	
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00	
Potash (K2O)	100%	Lbs	60	0.37	22.20	
Sulfur	100%	Lbs	0	0.29	0.00	
Boron	100%	Lbs	0.00	5.00	0.00	
Agrotain	100%	Qts	0.46	18.37	8.45	
Herbicide	100%	Acre	1	36.99	36.99	
Insecticide	100%	Acre	1	2.88	2.88	
Fungicide	100%	Acre	1	24.80	24.80	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	4	7.00	28.00	
Air Application: Lbs.	100%	Lbs	330	0.070	23.10	
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.791	2.48	11.88	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.37	7.37	
Diesel Fuel, Harvest	100%	Gallons	5.289	2.48	13.12	
Repairs and Maintenance, Harvest	100%	Acre	1	22.26	22.26	
Irrigation Energy Cost	100%	Ac-In	30	2.93	87.88	
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.23	6.97	
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65	
Survey Levees	100%	Acre	1	4.50	4.50	
Labor, Field Activities	100%	Hrs	1.134	12.88	14.61	
Scouting/Consultant Fee	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%	Rate %	4.75	484.35	11.50	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	180.00	0.40	72.00	
Hauling	100%	Bu	180.00	0.25	45.00	
Check Off, Boards	100%	Bu	180.00	0.01	2.43	
Cash Land Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					\$615.28	
Returns to Operating Expenses					\$410.72	
CAPITAL RECOVERY & FIXED COSTS						
Machinery and Equipment		Acre	1	82.34	82.34	
Irrigation Equipment		Acre	1	36.85	36.85	
Overhead; See Note 1		Acre	1	4.12	4.12	
Total Capital Recovery					\$123.31	
TOTAL SPECIFIED EXPENSES					\$738.59	
NET RETURNS					\$287.41	

Note 1: Estimate based on machinery and equipment.

Table 16. Arkansas Rice Enterprise Budget, Hybrid Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	180.00	5.70	1,026.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	129.95	129.95
Nitrogen	100%	Lbs	152	0.43	65.18
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Agrotain	100%	Qts	0.52	18.37	9.55
Herbicide	100%	Acre	1	62.46	62.46
Insecticide	100%	Acre	1	2.88	2.88
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00
Air Application: Lbs.	100%	Lbs	260	0.070	18.20
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.791	2.48	11.88
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.37	7.37
Diesel Fuel, Harvest	100%	Gallons	5.289	2.48	13.12
Repairs and Maintenance, Harvest	100%	Acre	1	22.26	22.26
Irrigation Energy Cost	100%	Ac-In	30	2.93	87.88
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.23	6.97
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	4.50	4.50
Labor, Field Activities	100%	Hrs	1.134	12.88	14.61
Scouting/Consultant Fee	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%	Rate %	4.75	520.65	12.37
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.40	72.00
Hauling	100%	Bu	180.00	0.25	45.00
Check Off, Boards	100%	Bu	180.00	0.01	2.43
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$652.44
Returns to Operating Expenses					\$373.56
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	82.34	82.34
Irrigation Equipment		Acre	1	36.85	36.85
Overhead; See Note 1		Acre	1	4.12	4.12
Total Capital Recovery					\$123.31
TOTAL SPECIFIED EXPENSES					\$775.75
NET RETURNS					\$250.25

Note 1: Estimate based on machinery and equipment.

Table 17. Arkansas Rice Enterprise Budget, Clearfield Hybrid Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	180.00	5.70	1,026.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	149.96	149.96
Nitrogen	100%	Lbs	152	0.43	65.18
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Agrotain	100%	Qts	0.52	18.37	9.55
Herbicide	100%	Acre	1	36.99	36.99
Insecticide	100%	Acre	1	2.88	2.88
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	4	7.00	28.00
Air Application: Lbs.	100%	Lbs	260	0.070	18.20
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.791	2.48	11.88
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.37	7.37
Diesel Fuel, Harvest	100%	Gallons	5.289	2.48	13.12
Repairs and Maintenance, Harvest	100%	Acre	1	22.26	22.26
Irrigation Energy Cost	100%	Ac-In	30	2.93	87.88
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.23	6.97
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	4.50	4.50
Labor, Field Activities	100%	Hrs	1.134	12.88	14.61
Scouting/Consultant Fee	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%	Rate %	4.75	522.19	12.40
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.40	72.00
Hauling	100%	Bu	180.00	0.25	45.00
Check Off, Boards	100%	Bu	180.00	0.01	2.43
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$654.02
Returns to Operating Expenses					\$371.98
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	82.34	82.34
Irrigation Equipment		Acre	1	36.85	36.85
Overhead; See Note 1		Acre	1	4.12	4.12
Total Capital Recovery					\$123.31
TOTAL SPECIFIED EXPENSES					\$777.33
NET RETURNS					\$248.67

Note 1: Estimate based on machinery and equipment.

Table 18. Arkansas Rice Enterprise Budget, Conventional Seed, Water Seeded

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	180.00	5.70	1,026.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	39.60	39.60
Nitrogen	100%	Lbs	152	0.43	65.18
Phosphate (P2O5)	100%	Lbs	0	0.50	0.00
Potash (K2O)	100%	Lbs	0	0.37	0.00
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Agrotain	100%	Qts	0.00	18.37	0.00
Herbicide	100%	Acre	1	68.42	68.42
Insecticide	100%	Acre	1	5.75	5.75
Fungicide	100%	Acre	1	24.80	24.80
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	6	7.00	42.00
Air Application: Lbs.	100%	Lbs	330	0.070	23.10
Other Custom Hire, Air Seeding	100%	Acre	1	7.00	7.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	0.172	2.48	0.43
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	0.71	0.71
Diesel Fuel, Harvest	100%	Gallons	5.289	2.48	13.12
Repairs and Maintenance, Harvest	100%	Acre	1	22.26	22.26
Irrigation Energy Cost	100%	Ac-In	24	2.93	70.30
Irrigation System Repairs & Maintenance	100%	Ac-In	24	0.23	5.58
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.591	12.88	7.62
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	395.85	9.40
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.40	72.00
Hauling	100%	Bu	180.00	0.25	45.00
Check Off, Boards	100%	Bu	180.00	0.01	2.43
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$524.68
Returns to Operating Expenses					\$501.32
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	54.65	54.65
Irrigation Equipment		Acre	1	30.23	30.23
Overhead; See Note 1		Acre	1	2.73	2.73
Total Capital Recovery					\$87.61
TOTAL SPECIFIED EXPENSES					\$612.30
NET RETURNS					\$413.70

Note 1: Estimate based on machinery and equipment.

Table 19. Arkansas Soybean Enterprise Budget, RR, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	10.00	600.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	90.00	90.00
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	54.13	54.13
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.328	2.48	10.73
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	11.34	11.34
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.800	12.88	10.30
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	301.12	7.15
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	0.25	15.00
Check Off, Boards	100%	Bu	60.00	0.05	3.00
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$326.28
Returns to Operating Expenses					\$273.72
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	54.31	54.31
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 1		Acre	1	2.72	2.72
Total Capital Recovery					\$74.00
TOTAL SPECIFIED EXPENSES					\$400.28
NET RETURNS					\$199.72

Note 1: Estimate based on machinery and equipment.

Table 20. Arkansas Soybean Enterprise Budget, RR, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	10.00	600.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	90.00	90.00
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	54.13	54.13
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.500	2.48	8.68
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	10.50	10.50
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	12	4.45	53.39
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.81	9.71
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.667	12.88	8.59
Scouting/Consultant Fee	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%	Rate %	4.75	318.24	7.56
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	0.25	15.00
Check Off, Boards	100%	Bu	60.00	0.05	3.00
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$343.80
Returns to Operating Expenses					\$256.20
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	48.61	48.61
Irrigation Equipment		Acre	1	68.40	68.40
Overhead; See Note 1		Acre	1	2.43	2.43
Total Capital Recovery					\$119.44
TOTAL SPECIFIED EXPENSES					\$463.24
NET RETURNS					\$136.76

Note 1: Estimate based on machinery and equipment.

Table 21. Arkansas Soybean Enterprise Budget, RR, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	30.00	10.00	300.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	90.00	90.00
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	54.13	54.13
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.500	2.48	8.68
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	10.50	10.50
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.571	12.88	7.35
Scouting/Consultant Fee	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%	Rate %	4.75	253.90	6.03
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	30.00	0.00	0.00
Hauling	100%	Bu	30.00	0.25	7.50
Check Off, Boards	100%	Bu	30.00	0.05	1.50
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$268.93
Returns to Operating Expenses					\$31.07
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	48.61	48.61
Irrigation Equipment		Acre	1	0.00	0.00
Overhead; See Note 1		Acre	1	2.43	2.43
Total Capital Recovery					\$51.05
TOTAL SPECIFIED EXPENSES					\$319.97
NET RETURNS					-\$19.97

Note 1: Estimate based on machinery and equipment.

Table 22. Arkansas Soybean Enterprise Budget, RR, Flood Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	10.00	600.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	90.00	90.00
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	54.13	54.13
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.564	2.48	11.32
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.65	8.65
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	3.00	3.00
Labor, Field Activities	100%	Hrs	0.797	12.88	10.27
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	299.18	7.11
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	0.25	15.00
Check Off, Boards	100%	Bu	60.00	0.05	3.00
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$324.29
Returns to Operating Expenses					\$275.71
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	49.01	49.01
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 1		Acre	1	2.45	2.45
Total Capital Recovery					\$68.45
TOTAL SPECIFIED EXPENSES					\$392.74
NET RETURNS					\$207.26

Note 1: Estimate based on machinery and equipment.

Table 23. Arkansas Soybean Enterprise Budget, LL, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	10.00	600.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	87.60	87.60
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	61.77	61.77
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.328	2.48	10.73
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	11.34	11.34
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.800	12.88	10.30
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	306.36	7.28
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	0.25	15.00
Check Off, Boards	100%	Bu	60.00	0.05	3.00
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$331.64
Returns to Operating Expenses					\$268.36
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	54.31	54.31
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 1		Acre	1	2.72	2.72
Total Capital Recovery					\$74.00
TOTAL SPECIFIED EXPENSES					\$405.64
NET RETURNS					\$194.36

Note 1: Estimate based on machinery and equipment.

Table 24. Arkansas Soybean Enterprise Budget, LL, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	10.00	600.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	87.60	87.60
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	61.77	61.77
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.500	2.48	8.68
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	10.50	10.50
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	12	4.45	53.39
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.81	9.71
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.667	12.88	8.59
Scouting/Consultant Fee	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%	Rate %	4.75	323.48	7.68
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	0.25	15.00
Check Off, Boards	100%	Bu	60.00	0.05	3.00
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$349.16
Returns to Operating Expenses					\$250.84
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	48.61	48.61
Irrigation Equipment		Acre	1	68.40	68.40
Overhead; See Note 1		Acre	1	2.43	2.43
Total Capital Recovery					\$119.44
TOTAL SPECIFIED EXPENSES					\$468.60
NET RETURNS					\$131.40

Note 1: Estimate based on machinery and equipment.

Table 25. Arkansas Soybean Enterprise Budget, LL, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	30.00	10.00	300.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	87.60	87.60
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	61.77	61.77
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.500	2.48	8.68
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	10.50	10.50
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.571	12.88	7.35
Scouting/Consultant Fee	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%	Rate %	4.75	259.14	6.15
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	30.00	0.00	0.00
Hauling	100%	Bu	30.00	0.25	7.50
Check Off, Boards	100%	Bu	30.00	0.05	1.50
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$274.29
Returns to Operating Expenses					\$25.71
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	48.61	48.61
Irrigation Equipment		Acre	1	0.00	0.00
Overhead; See Note 1		Acre	1	2.43	2.43
Total Capital Recovery					\$51.05
TOTAL SPECIFIED EXPENSES					\$325.34
NET RETURNS					-\$25.34

Note 1: Estimate based on machinery and equipment.

Table 26. Arkansas Soybean Enterprise Budget, LL, Flood Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	10.00	600.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	87.60	87.60
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	61.77	61.77
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.564	2.48	11.32
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.65	8.65
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.65	0.65
Survey Levees	100%	Acre	1	3.00	3.00
Labor, Field Activities	100%	Hrs	0.797	12.88	10.27
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	304.42	7.23
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	60.00	0.00	0.00
Hauling	100%	Bu	60.00	0.25	15.00
Check Off, Boards	100%	Bu	60.00	0.05	3.00
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$329.65
Returns to Operating Expenses					\$270.35
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	49.01	49.01
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 1		Acre	1	2.45	2.45
Total Capital Recovery					\$68.45
TOTAL SPECIFIED EXPENSES					\$398.10
NET RETURNS					\$201.90

Note 1: Estimate based on machinery and equipment.

Table 27. Arkansas Soybean Enterprise Budget, Conventional, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	10.00	600.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	45.60	45.60
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	60	0.37	22.20
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	69.38	69.38
Insecticide	100%	Acre	1	3.23	3.23
Fungicide	100%	Acre	1	11.63	11.63
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.328	2.48	10.73
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	11.34	11.34
Diesel Fuel, Harvest	100%	Gallons	1.959	2.48	4.86
Repairs and Maintenance, Harvest	100%	Acre	1	7.32	7.32
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Survey Levees	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.800	12.88	10.30
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate Applied for 6 Months	100%	Rate %	4.75	271.98	6.46
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	0.25	15.00
Check Off, Boards	100%	Bu	60.00	0.05	3.00
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$296.44
Returns to Operating Expenses					\$303.56
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	54.31	54.31
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 1		Acre	1	2.72	2.72
Total Capital Recovery					\$74.00
TOTAL SPECIFIED EXPENSES					\$370.44
NET RETURNS					\$229.56

Note 1: Estimate based on machinery and equipment.

Table 28. Arkansas Wheat Enterprise Budget

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	70.00	5.75	402.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	32.00	32.00
Nitrogen	100%	Lbs	116	0.43	49.94
Phosphate (P2O5)	100%	Lbs	40	0.50	20.00
Potash (K2O)	100%	Lbs	80	0.37	29.60
Sulfur	100%	Lbs	12	0.29	3.48
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	22.64	22.64
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	15.86	15.86
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00
Air Application: Lbs.	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.236	2.48	8.03
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	5.73	5.73
Diesel Fuel, Harvest	100%	Gallons	3.023	2.48	7.50
Repairs and Maintenance, Harvest	100%	Acre	1	10.98	10.98
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.659	12.88	8.49
Scouting/Consultant Fee	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%	Rate %	4.75	245.69	5.84
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	70.00	0.00	0.00
Hauling	100%	Bu	70.00	0.25	17.50
Check Off, Boards	100%	Bu	70.00	0.01	0.70
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$269.72
Returns to Operating Expenses					\$132.78
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	49.27	49.27
Irrigation Equipment		Acre	1	0.00	0.00
Overhead; See Note 1		Acre	1	2.46	2.46
Total Capital Recovery					\$51.74
TOTAL SPECIFIED EXPENSES					\$321.46
NET RETURNS					\$81.04

Note 1: Estimate based on machinery and equipment.

Table 29. Arkansas Peanut Enterprise Budget, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Tons	2.25	450.00	1,012.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	86.25	86.25
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	30	0.50	15.00
Potash (K2O)	100%	Lbs	50	0.37	18.50
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	25.63	25.63
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	58.06	58.06
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	13.662	2.48	33.88
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	27.85	27.85
Diesel Fuel, Harvest	100%	Gallons	8.230	2.48	20.41
Repairs and Maintenance, Harvest	100%	Acre	1	9.06	9.06
Irrigation Energy Cost	100%	Ac-In	12	2.93	35.15
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.79
Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.45	3.45
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	2.543	12.88	32.76
Scouting/Consultant Fee	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%	Rate %	4.75	368.79	8.76
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	0.00	0.00
NPB Check Off	100%	Dollars	798.75	0.01	7.99
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$453.03
Returns to Operating Expenses					\$559.47
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	173.82	173.82
Irrigation Equipment		Acre	1	16.98	16.98
Overhead; See Note 1		Acre	1	8.69	8.69
Total Capital Recovery					\$199.49
TOTAL SPECIFIED EXPENSES					\$652.52
NET RETURNS					\$359.98

Note 1: Estimate based on machinery and equipment.

Table 30. Arkansas Peanut Enterprise Budget, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Tons	2.25	450.00	1,012.50	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	86.25	86.25	
Nitrogen	100%	Lbs	0	0.00	0.00	
Phosphate (P2O5)	100%	Lbs	30	0.50	15.00	
Potash (K2O)	100%	Lbs	50	0.37	18.50	
Sulfur	100%	Lbs	0	0.29	0.00	
Boron	100%	Lbs	0.00	5.00	0.00	
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	
Herbicide	100%	Acre	1	25.63	25.63	
Insecticide	100%	Acre	1	0.00	0.00	
Fungicide	100%	Acre	1	58.06	58.06	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Lbs.	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	12.834	2.48	31.83	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	27.01	27.01	
Diesel Fuel, Harvest	100%	Gallons	8.230	2.48	20.41	
Repairs and Maintenance, Harvest	100%	Acre	1	9.06	9.06	
Irrigation Energy Cost	100%	Ac-In	12	4.45	53.39	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.81	9.71	
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	
Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	2.411	12.88	31.05	
Scouting/Consultant Fee	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%	Rate %	4.75	385.90	9.17	
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	0.00	0.00	
NPB Check Off	100%	Dollars	798.75	0.01	7.99	
Cash Land Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					\$470.56	
Returns to Operating Expenses					\$541.94	
CAPITAL RECOVERY & FIXED COSTS						
Machinery and Equipment		Acre	1	168.12	168.12	
Irrigation Equipment		Acre	1	68.40	68.40	
Overhead; See Note 1		Acre	1	8.41	8.41	
Total Capital Recovery					\$244.93	
TOTAL SPECIFIED EXPENSES					\$715.48	
NET RETURNS					\$297.02	

Note 1: Estimate based on machinery and equipment.

Table 31. Arkansas Peanut Enterprise Budget, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Tons	1.50	450.00	675.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	86.25	86.25
Nitrogen	100%	Lbs	0	0.00	0.00
Phosphate (P2O5)	100%	Lbs	30	0.50	15.00
Potash (K2O)	100%	Lbs	50	0.37	18.50
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	5.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	25.63	25.63
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	58.06	58.06
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00
Air Application: Lbs.	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	12.834	2.48	31.83
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	27.01	27.01
Diesel Fuel, Harvest	100%	Gallons	8.230	2.48	20.41
Repairs and Maintenance, Harvest	100%	Acre	1	9.06	9.06
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	2.315	12.88	29.81
Scouting/Consultant Fee	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%	Rate %	4.75	321.56	7.64
Custom Harvest	100%	Acre	0.00	0.00	0.00
Hauling	100%	Tons	1.50	0.00	0.00
Cleaning - Applied to Percent Cleaned	100%	Tons	1.50	10.00	15.00
Drying - Applied to Percent Dried	100%	Tons	1.50	20.00	30.00
Check Off, Boards - State	100%	Tons	1.50	0.00	0.00
NPB Check Off	100%	Dollars	532.50	0.01	5.33
Cash Land Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$379.52
Returns to Operating Expenses					\$295.48
CAPITAL RECOVERY & FIXED COSTS					
Machinery and Equipment		Acre	1	168.12	168.12
Irrigation Equipment		Acre	1	0.00	0.00
Overhead; See Note 1		Acre	1	8.41	8.41
Total Capital Recovery					\$176.53
TOTAL SPECIFIED EXPENSES					\$556.05
NET RETURNS					\$118.95

Note 1: 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
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K,S,Zn (75-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	33,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate
Knife Rig	12 Row	Fertilizer	29 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate, 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	320 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (875 bu)		Harvest	

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

Field Trip	Width	Activity	Stacked Gene
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K,S,Zn (75-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	33,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate
Knife Rig	12 Row	Fertilizer	29 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate, 2 qt Atrazine
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Combine	320 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-3. Corn Field Activities, No Irrigation

Field Trip	Width	Activity	Stacked Gene
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K,S,Zn (50-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	26,000 seed
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate
Knife Rig	12 Row	Fertilizer	30 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate, 2 qt Atrazine
Combine	320 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-4. Cotton Field Activities, GLB2, Furrow Irrigation

Field Trip	Width	Activity	GLB2
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric, 6 oz Diamond, 10 oz Mepex
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Centric, 6 oz Diamond, 10 oz Mepex 2 oz Transform, 12 oz Mepex, 20 oz Prevathon
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 6 oz Folex, 6 oz Prep
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-5. Cotton Field Activities, GLB2, Center Pivot Irrigation

Field Trip	Width	Activity	GLB2
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric, 6 oz Diamond, 10 oz Mepex
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Centric, 6 oz Diamond, 10 oz Mepex
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex, 20 oz Prevathon
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 6 oz Folex, 6 oz Prep
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-6. Cotton Field Activities, GLB2, No Irrigation

Field Trip	Width	Activity	GLB2
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-20-40-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	12 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide	2 oz Tranform
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Tranform, 14 oz Mepex
Self-Propelled Sprayer	90 ft.	Insecticide	0.75 lbs Acephate
Self-Propelled Sprayer	90 ft.	Defoliant	Folex , Prep 8 oz each
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-7. Cotton Field Activities, GLT, Furrow Irrigation

Field Trip	Width	Activity	GLT
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric, 6 oz Diamond, 10 oz Mepex
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Centric, 6 oz Diamond, 10 oz Mepex 2 oz Transform, 12 oz Mepex, 20 oz Prevathon
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 6 oz Folex, 6 oz Prep
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-8. Cotton Field Activities, GLT, Center Pivot Irrigation

Field Trip	Width	Activity	GLT
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric, 6 oz Diamond, 10 oz Mepex
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Centric, 6 oz Diamond, 10 oz Mepex
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex, 20 oz Prevathon
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
Self-Propelled Sprayer	90 ft.	Defoliant	2 oz Dropp, 6 oz Folex, 6 oz Prep
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-9. Cotton Field Activities, GLT, No Irrigation

Field Trip	Width	Activity	GLT
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-20-40-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	12 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate, 2 oz Valor, 1.5 qt MSMA 6
Self-Propelled Sprayer	90 ft.	Insecticide	2 oz Tranform
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Tranform, 14 oz Mepex
Self-Propelled Sprayer	90 ft.	Insecticide	0.75 lbs Acephate
Self-Propelled Sprayer	90 ft.	Defoliant	Folex , Prep 8 oz each
Self-Propelled Sprayer	90 ft.	Defoliant	8 oz Folex, 32 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-10. Cotton Field Activities, Conventional, Furrow Irrigation

Field Trip	Width	Activity	Conventional
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	12 oz Select, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	1 pt Dual, 2 oz Centric, 6 oz Diamond, 10 oz Mepex
Hooded Sprayer	12 Row	Herbicide	0.1 oz Envoke, 1 pt Dual
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Caparol, 2 oz Valor
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	2 oz Centric, 6 oz Diamond, 10 oz Mepex 2 oz Transform, 12 oz Mepex, 20 oz Prevathon
Custom Aerial Application		Insecticide, Growth Regulator	2 oz Transform, 12 oz Mepex
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		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table A-11. Sorghum Field Activities, Furrow Irrigated

Field Trip	Width	Activity	
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	6.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	60 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	1.5 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-12. Sorghum Field Activities, Center Pivot Irrigated

Field Trip	Width	Activity	
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	6.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	60 ft.	Fertilizer	165 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-13. Sorghum Field Activities, Nonirrigated

Field Trip	Width	Activity	
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	4.5 lbs. seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	60 ft.	Fertilizer	122 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 qt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-14. Rice Field Activities, Conventional Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	72 lbs seed per acre
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	12.8 oz Command
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0), 0.46 qt Agrotain treated
Flood Field			
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table A-15. Rice Field Activities, Clearfield Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	72 lbs seed per acre
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	12.8 oz Command
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	4 oz Newpath, surfacant
Custom Aerial Application		Herbicide	4 oz Newpath, surfacant
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0), 0.46 qt Agrotain treated
Flood Field			
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table A-16. Rice Field Activities, Hybrid Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	23 lbs seed per acre
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	12.8 oz Command
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil
Custom Aerial Application		Fertilizer	260 lb Urea (46-0-0), 0.52 qt Agrotain treated
Flood Field			
Custom Aerial Application		Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table A-17. Rice Field Activities, Clearfield Hybrid Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	23 lbs seed per acre
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	12.8 oz Command
Make Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	4 oz Newpath, surfacant
Custom Aerial Application		Herbicide	4 oz Newpath, surfacant
Custom Aerial Application		Fertilizer	260 lb Urea (46-0-0), 0.52 qt Agrotain treated
Flood Field			
Custom Aerial Application		Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table A-18. Rice Field Activities, Conventional Seed, Zero Grade, No Till, Water Seeded

Field Trip	Width	Activity	
Ditcher		Fall	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate
Custom Aerial Application		Plant	120 lbs seed per acre
Custom Aerial Application		Herbicide	1 gal Duet
Custom Aerial Application		Herbicide	0.5 oz Regiment
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0)
Flood Field			
Custom Aerial Application		Insecticide	1.6 oz Karate
Custom Aerial Application		Herbicide	1.5 pt 2,4-D
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-19. Soybean Field Activities, RR, Furrow

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, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 24 oz Storm
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-20. 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, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 24 oz Storm
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-21. 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, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 24 oz Storm
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-22. 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, 2 oz Valor
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	N,P,K (0-40-60)
Fertilizer Spreader	60 ft.	Fertilizer	
Grain Drill	30 ft.	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate, 24 oz Storm
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Remove Levees			
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

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

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-24. Soybean Field Activities, LL, Center Pivot

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, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

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

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

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

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Field Cultivator	36 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate, 2 oz Valor
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	N,P,K (0-40-60)
Fertilizer Spreader	60 ft.	Fertilizer	
Grain Drill	30 ft.	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Remove Levees			
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-27. Soybean Field Activities, Conventional, Furrow

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, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	60 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	Flexstar 24 oz , 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Storm, 16 oz Select
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table A-28. Wheat Field Activities

Field Trip	Width	Activity	
Disk	32 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	P,K (0-40-80)
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Ditcher		Tillage	
Grain Drill	30 ft.	Plant	
Fertilizer Spreader	60 ft.	Fertilizer	130 lbs Urea (46-0-0) & 50 lbs Ammonia Sulfate (21-0-0-24)
Custom Aerial Application		Herbicide	16.4 oz Axial
Custom Aerial Application		Herbicide	0.6 oz Harmony Extra XP, 12 oz surfactant
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Custom Aerial Application		Fungicide	14 oz Quilt
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table A-29. Peanut Field Activities, Furrow Irrigated

Field Trip	Width	Activity	Peanut
Disk	32 ft.	Fall	
Self-propelled sprayer	90 ft.	Spring burndown	2 pt Prowl
Disk	32 ft.	Spring incorporate herbicide	
Hipper	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant	
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	2 oz Valor
Irrigation Sweep	12 row	Weed control/irrigation	
Poly Pipe			
Self-propelled sprayer	90 ft.	Herbicide	16 oz Gramoxone
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	8 oz Provost
Digger/Inverter	6 row	Harvest	
Vine Conditioner	6 row	Harvest	
Combine	6 row	Harvest	
Peanut Dump Cart (Wagon)	12,000 lb	Harvest	Supplied by Buying Company

Table A-30. Peanut Field Activities, Pivot Irrigated

Field Trip	Width	Activity	Peanut
Disk	32 ft.	Fall	
Self-propelled sprayer	90 ft.	Spring burndown	2 pt Prowl
Disk	32 ft.	Spring incorporate herbicide	
Hipper	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant	
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	2 oz Valor
Self-propelled sprayer	90 ft.	Herbicide	16 oz Gramoxone
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	8 oz Provost
Digger/Inverter	6 row	Harvest	
Vine Conditioner	6 row	Harvest	
Combine	6 row	Harvest	
Peanut Dump Cart (Wagon)	12,000 lb	Harvest	Supplied by Buying Company

Table A-31. Peanut Field Activities, No Irrigation

Field Trip	Width	Activity	Peanut
Disk	32 ft.	Fall	
Self-propelled sprayer	90 ft.	Spring burndown	2 pt Prowl
Disk	32 ft.	Spring incorporate herbicide	
Hipper	12 row	Tillage	
Do-All (Seedbed Finisher)	12 row	Tillage	
Plant	12 row	Plant	
Self-propelled sprayer	90 ft.	Herbicide, Pre-emerge	2 oz Valor
Self-propelled sprayer	90 ft.	Herbicide	16 oz Gramoxone
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	1.45 pt Fungicide Co-Pack
Self-propelled sprayer	90 ft.	Fungicide	8 oz Provost
Digger/Inverter	6 row	Harvest	
Vine Conditioner	6 row	Harvest	
Combine	6 row	Harvest	
Peanut Dump Cart (Wagon)	12,000 lb	Harvest	Supplied by Buying Company

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