



2011 Crop Enterprise Budgets

for Arkansas Field Crops Planted in 2011

AG -1262

2011 Crop Enterprise Budgets

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Forward

The Department of Agricultural Economics and Agribusiness, University of Arkansas Division of Agriculture presents the 2011 Crop Enterprise Budgets for planning during the upcoming production year. Crop enterprise budgets are developed in collaboration with coordinators of the Crop Research Verification Program of the Cooperative Extension Service. Production activities presented in these budgets represent programs that have proven successful and profitable during field implementation on Arkansas farms. Variability between fields and production years create production uncertainty, and these budgets serve as a guide for producer planning unique to their individual operations.

Printed budgets in this report correspond to fully interactive budgets posted on the website of the Department of Agricultural Economics and Agribusiness. This interactive feature provides expansion of the budget program with the capability to represent unique farm situations that is not possible with static printed budgets. County agents in each row crop producing county of Arkansas are available to provide budgets that represent their county, as well as to assist in calculating budgets for individual farms. Enterprise budgets in this report represent production programs for typical situations on silt loam soils in Arkansas. Producers can contact their county agent for budgets representing other soil types and production situations.

Crop enterprise budgets for 2011 are the culmination of a two-year effort to provide enhanced services to producers. The new program combines skills of state and county faculty to provide economic analysis to farm operations which was previously not available at the individual producer level. The approach of a county delivery system of expanded crop enterprise budget services effectively and efficiently utilizes resources of the Division of Agriculture for Arkansas farmers.

Enterprise budgets are utilized by producers, lenders and other stakeholders in Arkansas crop production. Outlooks for high commodity prices are a cause for cautious optimism in 2011. The Division of Agriculture is pleased to assist producers in their farm planning for maximizing financial returns.

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2011 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 red are from formulas that change values as users make changes in white cells. County agents 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. Operating costs for fertilizers and chemicals are estimated by applying prices to typical input rates. 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 estimates of full service repairs, and actual cash expenses for repairs may be lower than expenses presented in crop enterprise budgets. 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 2010b). Labor costs in crop enterprise budgets represent time devoted to specified field activities. Potentially additional labor costs not associated with field activities are subsumed in the expense category miscellaneous overhead. Actual labor expenses for a farm could be reduced by employing owner unpaid labor.

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 real interest rates (Edwards 2005). Nominal interest rates are average effective interest rates for farm machinery and equipment (Federal Reserve System 2010). Real interest rates are calculated by applying the implicit price deflator for gross domestic product (USDC, BEA 2010). Representative prices for equipment are based on numerous sources of information including average U.S. prices (USDA, NASS 2010a) and industry list prices (John Deere 2010; IRON Solutions 2010).

Revenue in crop enterprise budgets is the product of expected yields from following Extension practices under optimal growing conditions and projected commodity prices. Commodity prices in this report are projections based on information compiled in December 2010 ((USDA-WAOB 2010; AFB 2010), and realized prices will vary with continually changing market conditions. AEAB does not have programs for developing commodity price forecasts.

Corn Budgets
for
2011 Planting

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	175.00	5.20	910.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	107.25	107.25
Nitrogen	100%	Lbs	223	0.50	111.50
Phosphate (P2O5)	100%	Lbs	60	0.61	36.60
Potash (K2O)	100%	Lbs	90	0.45	40.50
Sulfur	100%	Lbs	24	0.28	6.72
Zinc	100%	Lbs	10.00	1.75	17.50
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	17.32	17.32
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	4.173	2.91	12.14
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	6.40	6.40
Diesel Fuel & Lube, Harvest	100%	Gallons	3.455	2.91	10.05
Repairs and Maintenance, Harvest	100%	Acre	1	9.52	9.52
Irrigation Energy Cost	100%	Ac-In	15	3.44	51.56
Irrigation System Repairs & Maintenance	100%	Ac-In	15	0.15	2.18
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	2.88	2.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.750	10.22	7.66
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	5.50	0.03	12.29
Post-Harvest Expenses					
Drying	100%	Bu	175.00	0.19	33.25
Hauling	100%	Bu	175.00	0.22	38.50
Check Off, Boards	100%	Bu	175.00	0.01	1.75
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$532.58
Returns to Operating Expenses					\$377.42
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	39.89	39.89
Irrigation Equipment		Acre	1	20.01	20.01
Miscellaneous Overhead; See Note 1		Acre	1	9.97	9.97
Total Capital Recovery & Unallocated Costs					\$69.87
TOTAL SPECIFIED EXPENSES					\$602.45
NET RETURNS					\$307.55

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 1-B. Corn Field Activities, Furrow Irrigation

Field Trip	Width	Activity	Stacked Gene (HX1/LL/RR2)
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 Glysophate Plus
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	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 2 pt Atrazine
Knife Rig	12 Row	Fertilizer	29 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 2 pt Atrazine
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Combine	305 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 1-C. Corn, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysophate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Glysophate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Atrazine	Post Planting	pt	1.93	2.00	3.86	Self-Propelled Sprayer
Glysophate Plus	Second Application	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Atrazine	Second Application	pt	1.93	2.00	3.86	Self-Propelled Sprayer
Total					17.32	

Table 1-D. Corn, Furrow Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Fertilizer, Knife Rig	2.99	1.00	1.51	0.65	6.15	1.00	38.0
Irrigation Sweep	1.27	0.20	1.01	0.34	2.82	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	0.44	0.03	0.33	0.34	1.14	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	13.01	4.67	5.79	1.53	24.99	1.00	NA
Corn Head	2.65	3.56	NA	NA	6.21	1.00	25.0
Grain Cart	4.75	1.29	4.27	1.53	11.84	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	175.00	5.20	910.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	107.25	107.25
Nitrogen	100%	Lbs	223	0.50	111.50
Phosphate (P2O5)	100%	Lbs	60	0.61	36.60
Potash (K2O)	100%	Lbs	90	0.45	40.50
Sulfur	100%	Lbs	24	0.28	6.72
Zinc	100%	Lbs	10.00	1.75	17.50
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	17.32	17.32
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.711	2.91	10.80
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	6.17	6.17
Diesel Fuel & Lube, Harvest	100%	Gallons	3.455	2.91	10.05
Repairs and Maintenance, Harvest	100%	Acre	1	9.52	9.52
Irrigation Energy Cost	100%	Ac-In	15	5.22	78.32
Irrigation System Repairs & Maintenance	100%	Ac-In	15	1.31	19.61
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.684	10.22	6.99
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	5.50	0.03	13.36
Post-Harvest Expenses					
Drying	100%	Bu	175.00	0.19	33.25
Hauling	100%	Bu	175.00	0.22	38.50
Check Off, Boards	100%	Bu	175.00	0.01	1.75
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$572.71
Returns to Operating Expenses					\$337.29
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	38.17	38.17
Irrigation Equipment		Acre	1	64.64	64.64
Miscellaneous Overhead; See Note 1		Acre	1	9.54	9.54
Total Capital Recovery & Unallocated Costs					\$112.36
TOTAL SPECIFIED EXPENSES					\$685.07
NET RETURNS					\$224.93

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

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

Field Trip	Width	Activity	Stacked Gene (HX1/LL/RR2)
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 Glysophate Plus
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	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 2 pt Atrazine
Knife Rig	12 Row	Fertilizer	29 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 2 pt Atrazine
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Combine	305 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 2-C. Corn, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysophate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Glysophate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Atrazine	Post Planting	pt	1.93	2.00	3.86	Self-Propelled Sprayer
Glysophate Plus	Second Application	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Atrazine	Second Application	pt	1.93	2.00	3.86	Self-Propelled Sprayer
Total					17.32	

Table 2-D. Corn, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Fertilizer, Knife Rig	2.99	1.00	1.51	0.65	6.15	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	13.01	4.67	5.79	1.53	24.99	1.00	NA
Corn Head	2.65	3.56	NA	NA	6.21	1.00	25.0
Grain Cart	4.75	1.29	4.27	1.53	11.84	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	125.00	5.20	650.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	84.50	84.50
Nitrogen	100%	Lbs	156	0.49	76.44
Phosphate (P2O5)	100%	Lbs	60	0.61	36.60
Potash (K2O)	100%	Lbs	90	0.45	40.50
Sulfur	100%	Lbs	24	0.28	6.72
Zinc	100%	Lbs	10.00	1.75	17.50
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	17.32	17.32
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.711	2.91	10.80
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	6.17	6.17
Diesel Fuel & Lube, Harvest	100%	Gallons	3.455	2.91	10.05
Repairs and Maintenance, Harvest	100%	Acre	1	9.52	9.52
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, other)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.684	10.22	6.99
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	5.50	0.03	8.89
Post-Harvest Expenses					
Drying	100%	Bu	125.00	0.19	23.75
Hauling	100%	Bu	125.00	0.22	27.50
Check Off, Boards	100%	Bu	125.00	0.01	1.25
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$384.50
Returns to Operating Expenses					\$265.50
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	38.17	38.17
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 1		Acre	1	9.54	9.54
Total Capital Recovery & Unallocated Costs					\$47.72
TOTAL SPECIFIED EXPENSES					\$432.22
NET RETURNS					\$217.78

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 3-B. Corn Field Activities, No Irrigation

Field Trip	Width	Activity	Stacked Gene (HX1/LL/RR2)
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 Glysophate Plus
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	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 2 pt Atrazine
Knife Rig	12 Row	Fertilizer	30 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 2 pt Atrazine
Combine	305 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 3-C. Corn, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysophate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Glysophate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Atrazine	Post Planting	pt	1.93	2.00	3.86	Self-Propelled Sprayer
Glysophate Plus	Second Application	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Atrazine	Second Application	pt	1.93	2.00	3.86	Self-Propelled Sprayer
Total					17.32	

Table 3-D. Corn, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Fertilizer, Knife Rig	2.99	1.00	1.51	0.65	6.15	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	13.01	4.67	5.79	1.53	24.99	1.00	NA
Corn Head	2.65	3.56	NA	NA	6.21	1.00	25.0
Grain Cart	4.75	1.29	4.27	1.53	11.84	1.00	NA

Cotton Budgets
for
2011 Planting

Table 4-A. Arkansas Cotton Enterprise Budget, B2RF, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	1,200.00	0.81	972.00
Cottonseed Value	100%	Ton	0.900	164.00	147.60
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	105.31	105.31
Nitrogen	100%	Lbs	94	0.49	46.06
Phosphate (P2O5)	100%	Lbs	30	0.61	18.30
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	10	0.28	2.80
Boron	100%	Lbs	1.00	6.50	6.50
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	58.49	58.49
Insecticide	100%	Acre	1	30.49	30.49
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	2.34	2.34
Defoliant	100%	Acre	1	18.23	18.23
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	6.192	2.91	18.02
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	11.19	11.19
Diesel Fuel & Lube, Harvest	100%	Gallons	6.862	2.91	19.97
Repairs and Maintenance, Harvest	100%	Acre	1	17.39	17.39
Irrigation Energy Cost	100%	Ac-In	12	3.44	41.25
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.74
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	2.88	2.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.639	10.22	16.75
Scouting/Consultant Fee	100%	Acre	1	9.00	9.00
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 for 6 Months	100%	Rate %	5.50	0.03	12.86
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	6.00	14.40
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$480.56
Returns to Operating Expenses					\$491.44
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	85.88	85.88
Irrigation Equipment		Acre	1	16.01	16.01
Miscellaneous Overhead; See Note 4		Acre	1	21.47	21.47
Total Capital Recovery & Unallocated Costs					\$123.36
TOTAL SPECIFIED EXPENSES					\$603.91
NET RETURNS					\$368.09

Note 1: Seed costs are \$105.31 in northern Arkansas and \$118.75 in southern Arkansas.

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

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

Note 4: Estimated as 25% of pre-harvest and harvest machinery.

Table 4-B. Cotton Field Activities, Furrow Irrigation

Field Trip	Width	Activity	B2RF
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 Glysophate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
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, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	2 pt Glysophate Plus, 1 pt Dual, 2 oz Centric
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glysophate Plus, 2 oz Valor
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	0.75 lbs Acephate, 6 oz Mepex
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	6 oz Bidrin, 8 oz Mepex
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	0.75 lbs Acephate, 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, 42 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table 4-C. Cotton, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.32	8.00	2.54	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.78	1.60	7.65	Planter
Glysohate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.00	13.75	Self-Propelled Sprayer
Glysohate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.00	13.75	Self-Propelled Sprayer
Glysohate Plus	Post Planting	pt	1.60	1.50	2.40	Hooded Sprayer
Valor	Post Planting	oz	4.40	2.00	8.80	Hooded Sprayer
Total					58.49	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	4.13	2.00	8.26	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	11.50	0.75	8.63	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.83	6.00	4.98	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	11.50	0.75	8.63	Self-Propelled Sprayer
Total					30.49	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.09	6.00	0.54	Self-Propelled Sprayer
Mepex	Second Application	oz	0.09	8.00	0.72	Self-Propelled Sprayer
Mepex	Third Application	oz	0.09	12.00	1.08	Self-Propelled Sprayer
Total					2.34	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp	First Defoliation	oz	1.48	2.00	2.96	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.42	6.00	2.52	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.20	6.00	1.17	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.42	8.00	3.36	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.20	42.00	8.22	Self-Propelled Sprayer
Total					18.23	

Table 4-D. Cotton, Furrow Irrigated: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Fertilizer, Knife Rig	2.99	1.00	1.51	0.65	6.15	1.00	38.0
Irrigation Sweep	1.27	0.20	1.01	0.34	2.82	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	0.44	0.03	0.33	0.34	1.14	1.00	NA
Hooded Sprayer	1.99	0.51	1.51	0.51	4.52	1.00	38.0
Mower, Stalk Shredder	3.10	1.43	2.33	0.83	7.69	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	8.00	90.0
Harvest							
Cotton Picker	40.37	13.83	8.74	2.01	64.95	1.00	19.0
Boll Buggy	7.06	1.57	5.62	2.01	16.26	1.00	19.0
Module Builder	7.97	1.99	5.62	6.03	21.60	1.00	19.0

Table 5-A. Arkansas Cotton Enterprise Budget, B2RF, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	1,200.00	0.81	972.00
Cottonseed Value	100%	Ton	0.900	164.00	147.60
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	105.31	105.31
Nitrogen	100%	Lbs	94	0.49	46.06
Phosphate (P2O5)	100%	Lbs	30	0.61	18.30
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	10	0.28	2.80
Boron	100%	Lbs	1.00	6.50	6.50
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	58.49	58.49
Insecticide	100%	Acre	1	30.49	30.49
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	2.34	2.34
Defoliant	100%	Acre	1	18.23	18.23
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	5.729	2.91	16.67
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	10.96	10.96
Diesel Fuel & Lube, Harvest	100%	Gallons	6.862	2.91	19.97
Repairs and Maintenance, Harvest	100%	Acre	1	17.39	17.39
Irrigation Energy Cost	100%	Ac-In	12	5.22	62.65
Irrigation System Repairs & Maintenance	100%	Ac-In	12	1.31	15.69
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.572	10.22	16.07
Scouting/Consultant Fee	100%	Acre	1	9.00	9.00
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 for 6 Months	100%	Rate %	5.50	0.03	13.69
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	6.00	14.40
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$511.61
Returns to Operating Expenses					\$460.39
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	84.17	84.17
Irrigation Equipment		Acre	1	51.72	51.72
Miscellaneous Overhead; See Note 4		Acre	1	21.04	21.04
Total Capital Recovery & Unallocated Costs					\$156.92
TOTAL SPECIFIED EXPENSES					\$668.53
NET RETURNS					\$303.47

Note 1: Seed costs are \$105.31 in northern Arkansas and \$118.75 in southern Arkansas.

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

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

Note 4: Estimated as 25% of pre-harvest and harvest machinery.

Table 5-B. Cotton Field Activities, Center Pivot Irrigation

Field Trip	Width	Activity	B2RF
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 Glysophate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
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, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	2 pt Glysophate Plus, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glysophate Plus, 2 oz Valor
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	0.75 lbs Acephate, 6 oz Mepex
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	6 oz Bidrin, 8 oz Mepex
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	0.75 lbs Acephate, 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, 42 oz Prep
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	

Table 5-C. Cotton, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.32	8.00	2.54	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.78	1.60	7.65	Planter
Glysohate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.00	13.75	Self-Propelled Sprayer
Glysohate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.00	13.75	Self-Propelled Sprayer
Glysohate Plus	Post Planting	pt	1.60	1.50	2.40	Hooded Sprayer
Valor	Post Planting	oz	4.40	2.00	8.80	Hooded Sprayer
Total					58.49	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	4.13	2.00	8.26	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	11.50	0.75	8.63	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.83	6.00	4.98	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	11.50	0.75	8.63	Self-Propelled Sprayer
Total					30.49	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.09	6.00	0.54	Self-Propelled Sprayer
Mepex	Second Application	oz	0.09	8.00	0.72	Self-Propelled Sprayer
Mepex	Third Application	oz	0.09	12.00	1.08	Self-Propelled Sprayer
Total					2.34	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp	First Defoliation	oz	1.48	2.00	2.96	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.42	6.00	2.52	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.20	6.00	1.17	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.42	8.00	3.36	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.20	42.00	8.22	Self-Propelled Sprayer
Total					18.23	

Table 5-D. Cotton, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital		Fuel &			No. Field Trips	Feet, Width
	Recovery	Repairs	Lube	Labor	Total		
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Fertilizer, Knife Rig	2.99	1.00	1.51	0.65	6.15	1.00	38.0
Hooded Sprayer	1.99	0.51	1.51	0.51	4.52	1.00	38.0
Mower, Stalk Shredder	3.10	1.43	2.33	0.83	7.69	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	8.00	90.0
Harvest							
Cotton Picker	40.37	13.83	8.74	2.01	64.95	1.00	19.0
Boll Buggy	7.06	1.57	5.62	2.01	16.26	1.00	19.0
Module Builder	7.97	1.99	5.62	6.03	21.60	1.00	19.0

Table 6-A. Arkansas Cotton Enterprise Budget, B2RF, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	800.00	0.81	648.00
Cottonseed Value	100%	Ton	0.600	164.00	98.40
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	105.31	105.31
Nitrogen	100%	Lbs	72	0.49	35.28
Phosphate (P2O5)	100%	Lbs	20	0.61	12.20
Potash (K2O)	100%	Lbs	40	0.45	18.00
Sulfur	100%	Lbs	10	0.28	2.80
Boron	100%	Lbs	1.00	6.50	6.50
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	58.49	58.49
Insecticide	100%	Acre	1	30.49	30.49
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.26	1.26
Defoliant	100%	Acre	1	11.55	11.55
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	5.729	2.91	16.67
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	10.96	10.96
Diesel Fuel & Lube, Harvest	100%	Gallons	6.862	2.91	19.97
Repairs and Maintenance, Harvest	100%	Acre	1	17.39	17.39
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, other)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	1.572	10.22	16.07
Scouting/Consultant Fee	100%	Acre	1	9.00	9.00
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 for 6 Months	100%	Rate %	5.50	0.03	10.61
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	6.00	9.60
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$396.55
Returns to Operating Expenses					\$251.45
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	84.17	84.17
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 4		Acre	1	21.04	21.04
Total Capital Recovery & Unallocated Costs					\$105.21
TOTAL SPECIFIED EXPENSES					\$501.75
NET RETURNS					\$146.25

Note 1: Seed costs are \$105.31 in northern Arkansas and \$118.75 in southern Arkansas.

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

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

Note 4: Estimated as 25% of pre-harvest and harvest machinery.

Table 6-B. Cotton Field Activities, No Irrigation

Field Trip	Width	Activity	B2RF
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 Glysophate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
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, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 1 pt Dual
Knife Rig	12 Row	Fertilizer	12 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	2 pt Glysophate Plus, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glysophate Plus, 2 oz Valor
Self-Propelled Sprayer	90 ft.	Insecticide	0.75 lbs Acephate
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	6 oz Bidrin, 14 oz Mepex
Self-Propelled Sprayer	90 ft.	Insecticide	0.75 lbs Acephate
Self-Propelled Sprayer	90 ft.	Defoliant	5 oz Ginstar, 5 oz Finish
Picker	6 Row	Harvest	
Boll Buggy		Harvest	
Module Builder		Harvest	
Mower	20 ft.	Mow Stalks	
Mower	20 ft.	Mow Stalks	

Table 6-C. Cotton, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.32	8.00	2.54	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.78	1.60	7.65	Planter
Glyphosate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.00	13.75	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.00	13.75	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.60	1.50	2.40	Hooded Sprayer
Valor	Post Planting	oz	4.40	2.00	8.80	Hooded Sprayer
Total					58.49	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	4.13	2.00	8.26	Self-Propelled Sprayer
Acephate	First Application	lbs	11.50	0.75	8.63	Self-Propelled Sprayer
Bidrin	With GR	oz	0.83	6.00	4.98	Self-Propelled Sprayer
Acephate	Second Application	lbs	11.50	0.75	8.63	Self-Propelled Sprayer
Total					30.49	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	Only One Application	oz	0.09	14.00	1.26	Self-Propelled Sprayer
Total					1.26	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Ginstar	Only One Defoliation	oz	1.84	5.00	9.22	Self-Propelled Sprayer
Finish	Only One Defoliation	oz	0.47	5.00	2.33	Self-Propelled Sprayer
Total					11.55	

Table 6-D. Cotton, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Fertilizer, Knife Rig	2.99	1.00	1.51	0.65	6.15	1.00	38.0
Hooded Sprayer	1.99	0.51	1.51	0.51	4.52	1.00	38.0
Mower, Stalk Shredder	3.10	1.43	2.33	0.83	7.69	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	8.00	90.0
Harvest							
Cotton Picker	40.37	13.83	8.74	2.01	64.95	1.00	19.0
Boll Buggy	7.06	1.57	5.62	2.01	16.26	1.00	19.0
Module Builder	7.97	1.99	5.62	6.03	21.60	1.00	19.0

Rice Budgets
for
2011 Planting

Table 7-A. Arkansas Rice Enterprise Budget, Conventional Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	170.00	5.63	957.10
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	30.96	30.96
Nitrogen	100%	Lbs	152	0.52	79.04
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Agrotain	100%	Unit	230.00	0.03	6.90
Herbicide	100%	Acre	1	58.43	58.43
Insecticide	100%	Acre	1	4.14	4.14
Fungicide	100%	Acre	1	28.29	28.29
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	3	7.00	21.00
Air Application: Urea	100%	Lbs	330	0.070	23.10
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	4.311	2.91	12.55
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	4.69	4.69
Diesel Fuel & Lube, Harvest	100%	Gallons	6.047	2.91	17.60
Repairs and Maintenance, Harvest	100%	Acre	1	14.04	14.04
Irrigation Energy Cost	100%	Ac-In	30	3.44	103.11
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.15	4.35
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.37	0.37
Survey Levees, Other Inputs	100%	Acre	1	5.50	5.50
Labor, Field Activities	100%	Hrs	0.966	10.22	9.87
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	5.50	0.03	13.07
Post-Harvest Expenses					
Drying	100%	Bu	170.00	0.35	59.50
Hauling	100%	Bu	170.00	0.22	37.40
Check Off, Boards	100%	Bu	170.00	0.01	2.30
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$587.61
Returns to Operating Expenses					\$369.49
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	51.21	51.21
Irrigation Equipment		Acre	1	40.02	40.02
Miscellaneous Overhead; See Note 1		Acre	1	12.80	12.80
Total Capital Recovery & Unallocated Costs					\$104.03
TOTAL SPECIFIED EXPENSES					\$691.64
NET RETURNS					\$265.46

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 7-B. 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	
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	16 oz Command
Make Levees, Plant 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
ATV, Spray Levees		Herbicide	0.67 pt Grandstand, 1 gal Rice Shot (Propanil)
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	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table 7-C. Rice, Conventional Seed: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	0.87	16.00	13.92	Self-Propelled Sprayer
Rice Shot	Post Plant	gal	21.36	1.00	21.36	Custom Aerial Application
Facet	Post Plant	lb	48.63	0.33	16.05	Custom Aerial Application
Crop Oil	with Post Plant	oz	0.13	32.00	4.16	Custom Aerial Application
Grandstand	Spray Levees	pt	12.08	0.07	0.81	ATV
Rice Shot	Spray Levees	gal	21.36	0.10	2.14	ATV
Total					58.43	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.60	4.14	Custom Aerial Application
Total					4.14	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	2.21	12.80	28.29	Custom Aerial Application
Total					28.29	

Table 7-D. Rice, Conventional Seed: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Roller	1.94	0.25	1.60	0.54	4.33	2.00	32.0
Ditcher	0.28	0.03	0.25	0.08	0.63	1.00	NA
Field Cultivator	1.82	0.51	1.22	0.41	3.96	1.00	36.0
Land Plane	2.10	0.27	2.13	0.71	5.22	1.00	17.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Planter Grain Drill	3.65	1.74	2.26	0.81	8.46	1.00	30.0
ATV with Spot, Levee Sprayer	0.03	0.02	0.02	0.03	0.10	1.00	NA
Levee Pull, Planter/Incorporate	0.10	0.01	0.09	0.03	0.23	3.00	NA
Install Gates & Remove	0.15	0.02	0.17	0.22	0.55	All	NA
Take Down Levees, Levee Pull	0.09	0.01	0.08	0.03	0.21	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	1.00	90.0
Harvest							
Combine	22.76	8.18	10.13	2.67	43.74	1.00	NA
Rice Head	2.68	3.60	NA	NA	6.28	1.00	25.0
Grain Cart	8.31	2.26	7.47	2.67	20.71	1.00	NA

Table 8-A. Arkansas Rice Enterprise Budget, Clearfield Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	160.00	5.63	900.80
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	63.36	63.36
Nitrogen	100%	Lbs	152	0.52	79.04
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Agrotain	100%	Unit	230.00	0.03	6.90
Herbicide	100%	Acre	1	53.90	53.90
Insecticide	100%	Acre	1	4.14	4.14
Fungicide	100%	Acre	1	28.29	28.29
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	4	7.00	28.00
Air Application: Urea	100%	Lbs	330	0.070	23.10
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	4.311	2.91	12.55
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	4.69	4.69
Diesel Fuel & Lube, Harvest	100%	Gallons	6.047	2.91	17.60
Repairs and Maintenance, Harvest	100%	Acre	1	14.04	14.04
Irrigation Energy Cost	100%	Ac-In	30	3.44	103.11
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.15	4.35
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.37	0.37
Survey Levees, Other Inputs	100%	Acre	1	5.50	5.50
Labor, Field Activities	100%	Hrs	0.966	10.22	9.87
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	5.50	0.03	14.03
Post-Harvest Expenses					
Drying	100%	Bu	160.00	0.35	56.00
Hauling	100%	Bu	160.00	0.22	35.20
Check Off, Boards	100%	Bu	160.00	0.01	2.16
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$617.59
Returns to Operating Expenses					\$283.21
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	51.21	51.21
Irrigation Equipment		Acre	1	40.02	40.02
Miscellaneous Overhead; See Note 1		Acre	1	12.80	12.80
Total Capital Recovery & Unallocated Costs					\$104.03
TOTAL SPECIFIED EXPENSES					\$721.63
NET RETURNS					\$179.17

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 8-B. 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	
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	16 oz Command
Make Levees, Plant 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, 1 oz Aim
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0), 0.46 qt Agrotain treated
ATV, Spray Levees		Herbicide	0.67 pt Grandstand, 1 gal Rice Shot (Propanil)
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	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table 8-C. Rice, Clearfield Seed: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	0.87	16.00	13.92	Self-Propelled Sprayer
Newpath	Post Plant, 1st	oz	3.48	4.00	13.92	Custom Aerial Application
Surfactant	with Post Plant, 1st	oz	0.12	12.00	1.40	Custom Aerial Application
Newpath	Post Plant, 2nd	oz	3.48	4.00	13.92	Custom Aerial Application
Aim	Post Plant, 2nd	oz	6.40	1.00	6.40	Custom Aerial Application
Surfactant	with Post Plant, 2nd	oz	0.12	12.00	1.40	Custom Aerial Application
Grandstand	Spray Levees	pt	12.08	0.07	0.81	ATV
Rice Shot	Spray Levees	gal	21.36	0.10	2.14	ATV
Total					53.90	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.60	4.14	Custom Aerial Application
Total					4.14	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	2.21	12.80	28.29	Custom Aerial Application
Total					28.29	

Table 8-D. Rice, Clearfield Seed: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Roller	1.94	0.25	1.60	0.54	4.33	2.00	32.0
Ditcher	0.28	0.03	0.25	0.08	0.63	1.00	NA
Field Cultivator	1.82	0.51	1.22	0.41	3.96	1.00	36.0
Land Plane	2.10	0.27	2.13	0.71	5.22	1.00	17.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Planter Grain Drill	3.65	1.74	2.26	0.81	8.46	1.00	30.0
ATV with Spot, Levee Sprayer	0.03	0.02	0.02	0.03	0.10	1.00	NA
Levee Pull, Planter/Incorporate	0.10	0.01	0.09	0.03	0.23	3.00	NA
Install Gates & Remove	0.15	0.02	0.17	0.22	0.55	All	NA
Take Down Levees, Levee Pull	0.09	0.01	0.08	0.03	0.21	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	1.00	90.0
Harvest							
Combine	22.76	8.18	10.13	2.67	43.74	1.00	NA
Rice Head	2.68	3.60	NA	NA	6.28	1.00	25.0
Grain Cart	8.31	2.26	7.47	2.67	20.71	1.00	NA

Table 9-A. Arkansas Rice Enterprise Budget, Hybrid Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	190.00	5.63	1,069.70
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	88.00	88.00
Nitrogen	100%	Lbs	124	0.52	64.48
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Agrotain	100%	Unit	200.00	0.03	6.00
Herbicide	100%	Acre	1	58.43	58.43
Insecticide	100%	Acre	1	4.14	4.14
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	3	7.00	21.00
Air Application: Urea	100%	Lbs	200	0.070	14.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	4.311	2.91	12.55
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	4.69	4.69
Diesel Fuel & Lube, Harvest	100%	Gallons	6.047	2.91	17.60
Repairs and Maintenance, Harvest	100%	Acre	1	14.04	14.04
Irrigation Energy Cost	100%	Ac-In	30	3.44	103.11
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.15	4.35
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.37	0.37
Survey Levees, Other Inputs	100%	Acre	1	5.50	5.50
Labor, Field Activities	100%	Hrs	0.966	10.22	9.87
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	5.50	0.03	13.19
Post-Harvest Expenses					
Drying	100%	Bu	190.00	0.35	66.50
Hauling	100%	Bu	190.00	0.22	41.80
Check Off, Boards	100%	Bu	190.00	0.01	2.57
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$603.59
Returns to Operating Expenses					\$466.11
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	51.21	51.21
Irrigation Equipment		Acre	1	40.02	40.02
Miscellaneous Overhead; See Note 1		Acre	1	12.80	12.80
Total Capital Recovery & Unallocated Costs					\$104.03
TOTAL SPECIFIED EXPENSES					\$707.62
NET RETURNS					\$362.08

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 9-B. 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	
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	16 oz Command
Make Levees, Plant 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	200 lb Urea (46-0-0), 0.40 qt Agrotain treated
ATV, Spray Levees		Herbicide	0.67 pt Grandstand, 1 gal Rice Shot (Propanil)
Flood Field			
Custom Aerial Application		Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table 9-C. Rice, Hybrid Seed: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	0.87	16.00	13.92	Self-Propelled Sprayer
Rice Shot	Post Plant	gal	21.36	1.00	21.36	Custom Aerial Application
Facet	Post Plant	lb	48.63	0.33	16.05	Custom Aerial Application
Crop Oil	with Post Plant	oz	0.13	32.00	4.16	Custom Aerial Application
Grandstand	Spray Levees	pt	12.08	0.07	0.81	ATV
Rice Shot	Spray Levees	gal	21.36	0.10	2.14	ATV
Total					58.43	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.60	4.14	Custom Aerial Application
Total					4.14	

Table 9-D. Rice, Hybrid Seed: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Roller	1.94	0.25	1.60	0.54	4.33	2.00	32.0
Ditcher	0.28	0.03	0.25	0.08	0.63	1.00	NA
Field Cultivator	1.82	0.51	1.22	0.41	3.96	1.00	36.0
Land Plane	2.10	0.27	2.13	0.71	5.22	1.00	17.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Planter Grain Drill	3.65	1.74	2.26	0.81	8.46	1.00	30.0
ATV with Spot, Levee Sprayer	0.03	0.02	0.02	0.03	0.10	1.00	NA
Levee Pull, Planter/Incorporate	0.10	0.01	0.09	0.03	0.23	3.00	NA
Install Gates & Remove	0.15	0.02	0.17	0.22	0.55	All	NA
Take Down Levees, Levee Pull	0.09	0.01	0.08	0.03	0.21	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	1.00	90.0
Harvest							
Combine	22.76	8.18	10.13	2.67	43.74	1.00	NA
Rice Head	2.68	3.60	NA	NA	6.28	1.00	25.0
Grain Cart	8.31	2.26	7.47	2.67	20.71	1.00	NA

Table 10-A. Arkansas Rice Enterprise Budget, Clearfield Hybrid Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	190.00	5.63	1,069.70
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	134.00	134.00
Nitrogen	100%	Lbs	124	0.52	64.48
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Agrotain	100%	Unit	200.00	0.03	6.00
Herbicide	100%	Acre	1	53.90	53.90
Insecticide	100%	Acre	1	4.14	4.14
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	4	7.00	28.00
Air Application: Urea	100%	Lbs	200	0.070	14.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	4.311	2.91	12.55
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	4.69	4.69
Diesel Fuel & Lube, Harvest	100%	Gallons	6.047	2.91	17.60
Repairs and Maintenance, Harvest	100%	Acre	1	14.04	14.04
Irrigation Energy Cost	100%	Ac-In	30	3.44	103.11
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.15	4.35
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.37	0.37
Survey Levees, Other Inputs	100%	Acre	1	5.50	5.50
Labor, Field Activities	100%	Hrs	0.966	10.22	9.87
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	5.50	0.03	14.52
Post-Harvest Expenses					
Drying	100%	Bu	190.00	0.35	66.50
Hauling	100%	Bu	190.00	0.22	41.80
Check Off, Boards	100%	Bu	190.00	0.01	2.57
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$653.38
Returns to Operating Expenses					\$416.32
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	51.21	51.21
Irrigation Equipment		Acre	1	40.02	40.02
Miscellaneous Overhead; See Note 1		Acre	1	12.80	12.80
Total Capital Recovery & Unallocated Costs					\$104.03
TOTAL SPECIFIED EXPENSES					\$757.42
NET RETURNS					\$312.28

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 10-B. 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	
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	16 oz Command
Make Levees, Plant 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, 1 oz Aim
Custom Aerial Application		Fertilizer	200 lb Urea (46-0-0), 0.40 qt Agrotain treated
ATV, Spray Levees		Herbicide	0.67 pt Grandstand, 1 gal Rice Shot (Propanil)
Flood Field			
Custom Aerial Application		Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table 10-C. Rice, Clearfield Hybrid Seed: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	0.87	16.00	13.92	Self-Propelled Sprayer
Newpath	Post Plant, 1st	oz	3.48	4.00	13.92	Custom Aerial Application
Surfactant	with Post Plant, 1st	oz	0.12	12.00	1.40	Custom Aerial Application
Newpath	Post Plant, 2nd	oz	3.48	4.00	13.92	Custom Aerial Application
Aim	Post Plant, 2nd	oz	6.40	1.00	6.40	Custom Aerial Application
Surfactant	with Post Plant, 2nd	oz	0.12	12.00	1.40	Custom Aerial Application
Grandstand	Spray Levees	pt	12.08	0.07	0.81	ATV
Rice Shot	Spray Levees	gal	21.36	0.10	2.14	ATV
Total					53.90	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.60	4.14	Custom Aerial Application
Total					4.14	

Table 10-D. Rice, Clearfield Hybrid Seed: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Roller	1.94	0.25	1.60	0.54	4.33	2.00	32.0
Ditcher	0.28	0.03	0.25	0.08	0.63	1.00	NA
Field Cultivator	1.82	0.51	1.22	0.41	3.96	1.00	36.0
Land Plane	2.10	0.27	2.13	0.71	5.22	1.00	17.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Planter Grain Drill	3.65	1.74	2.26	0.81	8.46	1.00	30.0
ATV with Spot, Levee Sprayer	0.03	0.02	0.02	0.03	0.10	1.00	NA
Levee Pull, Planter/Incorporate	0.10	0.01	0.09	0.03	0.23	3.00	NA
Install Gates & Remove	0.15	0.02	0.17	0.22	0.55	All	NA
Take Down Levees, Levee Pull	0.09	0.01	0.08	0.03	0.21	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	1.00	90.0
Harvest							
Combine	22.76	8.18	10.13	2.67	43.74	1.00	NA
Rice Head	2.68	3.60	NA	NA	6.28	1.00	25.0
Grain Cart	8.31	2.26	7.47	2.67	20.71	1.00	NA

Table 11-A. Arkansas Rice Enterprise Budget, Conventional Seed, Water Seeded

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	170.00	5.63	957.10
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	39.60	39.60
Nitrogen	100%	Lbs	152	0.52	79.04
Phosphate (P2O5)	100%	Lbs	0	0.61	0.00
Potash (K2O)	100%	Lbs	0	0.45	0.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Agrotain	100%	Unit	0.00	0.03	0.00
Herbicide	100%	Acre	1	55.48	55.48
Insecticide	100%	Acre	1	4.14	4.14
Fungicide	100%	Acre	1	28.29	28.29
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	6	7.00	42.00
Air Application: Urea	100%	Lbs	330	0.070	23.10
Other Custom Hire, Air Seeding	100%	Appl	1	12.00	12.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	0.224	2.91	0.65
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	0.60	0.60
Diesel Fuel & Lube, Harvest	100%	Gallons	6.047	2.91	17.60
Repairs and Maintenance, Harvest	100%	Acre	1	14.04	14.04
Irrigation Energy Cost	100%	Ac-In	24	3.44	82.49
Irrigation System Repairs & Maintenance	100%	Ac-In	24	0.15	3.48
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.00	0.00
Survey Levees, Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.546	10.22	5.58
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 for 6 Months	100%	Rate %	5.50	0.03	11.22
Post-Harvest Expenses					
Drying	100%	Bu	170.00	0.35	59.50
Hauling	100%	Bu	170.00	0.22	37.40
Check Off, Boards	100%	Bu	170.00	0.01	2.30
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$518.50
Returns to Operating Expenses					\$438.60
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	35.21	35.21
Irrigation Equipment		Acre	1	32.02	32.02
Miscellaneous Overhead; See Note 1		Acre	1	8.80	8.80
Total Capital Recovery & Unallocated Costs					\$76.02
TOTAL SPECIFIED EXPENSES					\$594.52
NET RETURNS					\$362.58

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 11-B. 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 Plus
Custom Aerial Application		Plant	
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	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 11-C. Rice, Conventional Seed, Water Seeded: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyosphate Plus	Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Duet	Post Plant, 1st	gal	32.00	1.00	32.00	Custom Aerial Application
Regiment	Post Plant, 2nd	oz	34.58	0.50	17.29	Custom Aerial Application
2,4 D	Post Flood	pt	1.99	1.50	2.99	Custom Aerial Application
Total					55.48	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.60	4.14	Custom Aerial Application
Total					4.14	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	2.21	12.80	28.29	Custom Aerial Application
Total					28.29	

Table 11-D. Rice, Water Seeded: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Ditcher	0.28	0.03	0.25	0.08	0.63	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	1.00	90.0
Harvest							
Combine	22.76	8.18	10.13	2.67	43.74	1.00	NA
Rice Head	2.68	3.60	NA	NA	6.28	1.00	25.0
Grain Cart	8.31	2.26	7.47	2.67	20.71	1.00	NA

Sorghum Budgets
for
2011 Planting

Table 12-A. Arkansas Grain Sorghum Enterprise Budget, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	110.00	4.58	503.80
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	21.19	21.19
Nitrogen	100%	Lbs	111	0.52	57.72
Phosphate (P2O5)	100%	Lbs	60	0.61	36.60
Potash (K2O)	100%	Lbs	90	0.45	40.50
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	28.65	28.65
Insecticide	100%	Acre	1	3.32	3.32
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.868	2.91	11.25
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	5.59	5.59
Diesel Fuel & Lube, Harvest	100%	Gallons	3.455	2.91	10.05
Repairs and Maintenance, Harvest	100%	Acre	1	7.71	7.71
Irrigation Energy Cost	100%	Ac-In	10	3.44	34.37
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.15	1.45
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	2.88	2.88
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.713	10.22	7.28
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 for 6 Months	100%	Rate %	5.50	0.03	7.39
Post-Harvest Expenses					
Drying	100%	Bu	110.00	0.00	0.00
Hauling	100%	Bu	110.00	0.22	24.20
Check Off, Boards	100%	Bu	110.00	0.01	1.10
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$301.25
Returns to Operating Expenses					\$202.55
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	36.27	36.27
Irrigation Equipment		Acre	1	13.34	13.34
Miscellaneous Overhead; See Note 1		Acre	1	9.07	9.07
Total Capital Recovery & Unallocated Costs					\$58.68
TOTAL SPECIFIED EXPENSES					\$359.93
NET RETURNS					\$143.87

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 12-B. Grain Sorghum Field Activities, Furrow Irrigation

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 Glysophate Plus
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	
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	2.5 pt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 12-C. Grain Sorghum, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.50	20.63	Self-Propelled Sprayer
Atrazine	Post Planting	pt	1.93	2.50	4.83	Self-Propelled Sprayer
Total					28.65	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.28	3.32	Self-Propelled Sprayer
Total					3.32	

Table 12-D. Grain Sorghum, Furrow Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	2.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Irrigation Sweep	1.27	0.20	1.01	0.34	2.82	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	0.44	0.03	0.33	0.34	1.14	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	13.01	4.67	5.79	1.53	24.99	1.00	NA
Wheat/Sorghum Head	1.30	1.74	NA	NA	3.04	1.00	25.0
Grain Cart	4.75	1.29	4.27	1.53	11.84	1.00	NA

Table 13-A. Arkansas Grain Sorghum Enterprise Budget, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	110.00	4.58	503.80
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	21.19	21.19
Nitrogen	100%	Lbs	111	0.52	57.72
Phosphate (P2O5)	100%	Lbs	60	0.61	36.60
Potash (K2O)	100%	Lbs	90	0.45	40.50
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	28.65	28.65
Insecticide	100%	Acre	1	3.32	3.32
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.405	2.91	9.91
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	5.36	5.36
Diesel Fuel & Lube, Harvest	100%	Gallons	3.455	2.91	10.05
Repairs and Maintenance, Harvest	100%	Acre	1	7.71	7.71
Irrigation Energy Cost	100%	Ac-In	10	5.22	52.21
Irrigation System Repairs & Maintenance	100%	Ac-In	10	1.31	13.07
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.646	10.22	6.61
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 for 6 Months	100%	Rate %	5.50	0.03	8.05
Post-Harvest Expenses					
Drying	100%	Bu	110.00	0.00	0.00
Hauling	100%	Bu	110.00	0.22	24.20
Check Off, Boards	100%	Bu	110.00	0.01	1.10
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$326.25
Returns to Operating Expenses					\$177.55
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	34.56	34.56
Irrigation Equipment		Acre	1	43.10	43.10
Miscellaneous Overhead; See Note 1		Acre	1	8.64	8.64
Total Capital Recovery & Unallocated Costs					\$86.30
TOTAL SPECIFIED EXPENSES					\$412.55
NET RETURNS					\$91.25

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 13-B. Grain Sorghum Field Activities, Center Pivot Irrigation

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 Glysophate Plus
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	
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	2.5 pt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 13-C. Grain Sorghum, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.50	20.63	Self-Propelled Sprayer
Atrazine	Post Planting	pt	1.93	2.50	4.83	Self-Propelled Sprayer
Total					28.65	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.28	3.32	Self-Propelled Sprayer
Total					3.32	

Table 13-D. Grain Sorghum, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	2.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	13.01	4.67	5.79	1.53	24.99	1.00	NA
Wheat/Sorghum Head	1.30	1.74	NA	NA	3.04	1.00	25.0
Grain Cart	4.75	1.29	4.27	1.53	11.84	1.00	NA

Table 14-A. Arkansas Grain Sorghum Enterprise Budget, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	70.00	4.58	320.60
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	14.67	14.67
Nitrogen	100%	Lbs	91	0.52	47.32
Phosphate (P2O5)	100%	Lbs	60	0.61	36.60
Potash (K2O)	100%	Lbs	90	0.45	40.50
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	28.65	28.65
Insecticide	100%	Acre	1	3.32	3.32
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	0	7.00	0.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.405	2.91	9.91
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	5.36	5.36
Diesel Fuel & Lube, Harvest	100%	Gallons	3.455	2.91	10.05
Repairs and Maintenance, Harvest	100%	Acre	1	7.71	7.71
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, other)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.646	10.22	6.61
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 for 6 Months	100%	Rate %	5.50	0.03	5.79
Post-Harvest Expenses					
Drying	100%	Bu	70.00	0.00	0.00
Hauling	100%	Bu	70.00	0.22	15.40
Check Off, Boards	100%	Bu	70.00	0.01	0.70
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$232.59
Returns to Operating Expenses					\$88.01
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	34.56	34.56
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 1		Acre	1	8.64	8.64
Total Capital Recovery & Unallocated Costs					\$43.20
TOTAL SPECIFIED EXPENSES					\$275.79
NET RETURNS					\$44.81

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 14-B. Grain Sorghum Field Activities, No Irrigation

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 Glysophate Plus
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	
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	2.5 pt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 14-C. Grain Sorghum, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Spring Burndown	pt	1.60	2.00	3.20	Self-Propelled Sprayer
Dual	Post Planting	pt	13.75	1.50	20.63	Self-Propelled Sprayer
Atrazine	Post Planting	pt	1.93	2.50	4.83	Self-Propelled Sprayer
Total					28.65	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.28	3.32	Self-Propelled Sprayer
Total					3.32	

Table 14-D. Grain Sorghum, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.91	1.35	4.05	1.36	11.67	0.33	19.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	1.67	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	2.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter	3.13	1.60	1.76	0.66	7.16	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	13.01	4.67	5.79	1.53	24.99	1.00	NA
Wheat/Sorghum Head	1.30	1.74	NA	NA	3.04	1.00	25.0
Grain Cart	4.75	1.29	4.27	1.53	11.84	1.00	NA

Soybean Budgets
for
2011 Planting

Table 15-A. Arkansas Soybean Enterprise Budget, RR, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	11.45	687.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	63.60	63.60
Nitrogen	100%	Lbs	0	0.52	0.00
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	34.78	34.78
Insecticide	100%	Acre	1	4.66	4.66
Fungicide	100%	Acre	1	13.26	13.26
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	2	7.00	14.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	4.012	2.91	11.68
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	7.70	7.70
Diesel Fuel & Lube, Harvest	100%	Gallons	2.239	2.91	6.52
Repairs and Maintenance, Harvest	100%	Acre	1	5.29	5.29
Irrigation Energy Cost	100%	Ac-In	12	3.44	41.25
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.74
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	2.88	2.88
Survey Levees, Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.615	10.22	6.29
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 for 6 Months	100%	Rate %	5.50	0.03	7.29
Post-Harvest Expenses					
Drying	100%	Bu	60.00	0.00	0.00
Hauling	100%	Bu	60.00	0.22	13.20
Check Off, Boards	100%	Bu	60.00	0.03	1.80
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$287.32
Returns to Operating Expenses					\$399.68
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	33.43	33.43
Irrigation Equipment		Acre	1	16.01	16.01
Miscellaneous Overhead; See Note 1		Acre	1	8.36	8.36
Total Capital Recovery & Unallocated Costs					\$57.79
TOTAL SPECIFIED EXPENSES					\$345.11
NET RETURNS					\$341.89

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 15-B. Soybean Field Activities, Furrow Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glysophate Plus, 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	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 6 oz Flexstar
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	305 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 15-C. Soybean, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Burndown	oz	0.10	22.00	2.20	Self-Propelled Sprayer
Valor	Burndown	oz	4.40	2.00	8.80	Self-Propelled Sprayer
Glysohate Plus	Post Planting	oz	0.10	32.00	3.20	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.00	Self-Propelled Sprayer
Glysohate Plus	Late Season	oz	0.10	32.00	3.20	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.90	6.00	5.38	Self-Propelled Sprayer
Total					34.78	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.80	4.66	Custom Aerial Application
Total					4.66	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	2.21	6.00	13.26	Custom Aerial Application

Table 15-D. Soybean, Furrow Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	2.00	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter Twin Row	5.16	3.38	1.76	0.66	10.96	1.00	38.0
Irrigation Sweep	1.27	0.20	1.01	0.34	2.82	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	0.44	0.03	0.33	0.34	1.14	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	8.43	3.03	3.75	0.99	16.20	1.00	NA
Soybean Head	1.06	1.42	NA	NA	2.48	1.00	30.0
Grain Cart	3.08	0.84	2.77	0.99	7.67	1.00	NA

Table 16-A. Arkansas Soybean Enterprise Budget, RR, Center Pivot Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	11.45	687.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	63.60	63.60
Nitrogen	100%	Lbs	0	0.52	0.00
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	34.78	34.78
Insecticide	100%	Acre	1	4.66	4.66
Fungicide	100%	Acre	1	13.26	13.26
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	2	7.00	14.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.550	2.91	10.33
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	7.47	7.47
Diesel Fuel & Lube, Harvest	100%	Gallons	2.239	2.91	6.52
Repairs and Maintenance, Harvest	100%	Acre	1	5.29	5.29
Irrigation Energy Cost	100%	Ac-In	12	5.22	62.65
Irrigation System Repairs & Maintenance	100%	Ac-In	12	1.31	15.69
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.00	0.00
Survey Levees, Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.549	10.22	5.61
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 for 6 Months	100%	Rate %	5.50	0.03	8.12
Post-Harvest Expenses					
Drying	100%	Bu	60.00	0.00	0.00
Hauling	100%	Bu	60.00	0.22	13.20
Check Off, Boards	100%	Bu	60.00	0.03	1.80
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$318.37
Returns to Operating Expenses					\$368.63
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	31.71	31.71
Irrigation Equipment		Acre	1	51.72	51.72
Miscellaneous Overhead; See Note 1		Acre	1	7.93	7.93
Total Capital Recovery & Unallocated Costs					\$91.36
TOTAL SPECIFIED EXPENSES					\$409.73
NET RETURNS					\$277.27

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 16-B. Soybean Field Activities, 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)	22 oz Glyphosate Plus, 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	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 6 oz Flexstar
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	305 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 16-C. Soybean, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Burndown	oz	0.10	22.00	2.20	Self-Propelled Sprayer
Valor	Burndown	oz	4.40	2.00	8.80	Self-Propelled Sprayer
Glysohate Plus	Post Planting	oz	0.10	32.00	3.20	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.00	Self-Propelled Sprayer
Glysohate Plus	Late Season	oz	0.10	32.00	3.20	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.90	6.00	5.38	Self-Propelled Sprayer
Total					34.78	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.80	4.66	Custom Aerial Application
Total					4.66	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	2.21	6.00	13.26	Custom Aerial Application

Table 16-D. Soybean, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	2.00	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter Twin Row	5.16	3.38	1.76	0.66	10.96	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	8.43	3.03	3.75	0.99	16.20	1.00	NA
Soybean Head	1.06	1.42	NA	NA	2.48	1.00	30.0
Grain Cart	3.08	0.84	2.77	0.99	7.67	1.00	NA

Table 17-A. Arkansas Soybean Enterprise Budget, RR, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	30.00	11.45	343.50
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	63.60	63.60
Nitrogen	100%	Lbs	0	0.52	0.00
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	34.78	34.78
Insecticide	100%	Acre	1	4.66	4.66
Fungicide	100%	Acre	1	13.26	13.26
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	2	7.00	14.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.550	2.91	10.33
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	7.47	7.47
Diesel Fuel & Lube, Harvest	100%	Gallons	2.239	2.91	6.52
Repairs and Maintenance, Harvest	100%	Acre	1	5.29	5.29
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, other)	100%	Acre	1	0.00	0.00
Survey Levees, Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.549	10.22	5.61
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 for 6 Months	100%	Rate %	5.50	0.03	5.97
Post-Harvest Expenses					
Drying	100%	Bu	30.00	0.00	0.00
Hauling	100%	Bu	30.00	0.22	6.60
Check Off, Boards	100%	Bu	30.00	0.03	0.90
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$230.38
Returns to Operating Expenses					\$113.12
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	31.71	31.71
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 1		Acre	1	7.93	7.93
Total Capital Recovery & Unallocated Costs					\$39.64
TOTAL SPECIFIED EXPENSES					\$270.02
NET RETURNS					\$73.48

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 17-B. Soybean Field Activities, No Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 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	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 6 oz Flexstar
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	305 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 17-C. Soybean, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Burndown	oz	0.10	22.00	2.20	Self-Propelled Sprayer
Valor	Burndown	oz	4.40	2.00	8.80	Self-Propelled Sprayer
Glysohate Plus	Post Planting	oz	0.10	32.00	3.20	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.00	Self-Propelled Sprayer
Glysohate Plus	Late Season	oz	0.10	32.00	3.20	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.90	6.00	5.38	Self-Propelled Sprayer
Total					34.78	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.80	4.66	Custom Aerial Application
Total					4.66	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	2.21	6.00	13.26	Custom Aerial Application

Table 17-D. Soybean, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Bedder, Hipper	2.65	0.57	1.91	0.64	5.77	2.00	38.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Do All, Seedbed Finisher	1.33	0.28	1.16	0.39	3.16	1.00	38.0
Planter Twin Row	5.16	3.38	1.76	0.66	10.96	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	8.43	3.03	3.75	0.99	16.20	1.00	NA
Soybean Head	1.06	1.42	NA	NA	2.48	1.00	30.0
Grain Cart	3.08	0.84	2.77	0.99	7.67	1.00	NA

Table 18-A. Arkansas Soybean Enterprise Budget, RR, Flood Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	11.45	687.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	63.60	63.60
Nitrogen	100%	Lbs	0	0.52	0.00
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	60	0.45	27.00
Sulfur	100%	Lbs	0	0.28	0.00
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	34.78	34.78
Insecticide	100%	Acre	1	4.66	4.66
Fungicide	100%	Acre	1	13.26	13.26
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	2	7.00	14.00
Air Application: Urea	100%	Lbs	0	0.070	0.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.895	2.91	11.33
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	5.80	5.80
Diesel Fuel & Lube, Harvest	100%	Gallons	2.239	2.91	6.52
Repairs and Maintenance, Harvest	100%	Acre	1	5.29	5.29
Irrigation Energy Cost	100%	Ac-In	12	3.44	41.25
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.74
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	0.37	0.37
Survey Levees, Other Inputs	100%	Acre	1	5.00	5.00
Labor, Field Activities	100%	Hrs	0.613	10.22	6.27
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 for 6 Months	100%	Rate %	5.50	0.03	7.29
Post-Harvest Expenses					
Drying	100%	Bu	60.00	0.00	0.00
Hauling	100%	Bu	60.00	0.22	13.20
Check Off, Boards	100%	Bu	60.00	0.03	1.80
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$287.56
Returns to Operating Expenses					\$399.44
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	30.24	30.24
Irrigation Equipment		Acre	1	16.01	16.01
Miscellaneous Overhead; See Note 1		Acre	1	7.56	7.56
Total Capital Recovery & Unallocated Costs					\$53.81
TOTAL SPECIFIED EXPENSES					\$341.37
NET RETURNS					\$345.63

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 18-B. Soybean Field Activities, 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)	22 oz Glysophate Plus, 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	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glysophate Plus, 6 oz Flexstar
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Remove Levees			
Combine	305 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 18-C. Soybean, Flood Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glysohate Plus	Burndown	oz	0.10	22.00	2.20	Self-Propelled Sprayer
Valor	Burndown	oz	4.40	2.00	8.80	Self-Propelled Sprayer
Glysohate Plus	Post Planting	oz	0.10	32.00	3.20	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.00	Self-Propelled Sprayer
Glysohate Plus	Late Season	oz	0.10	32.00	3.20	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.90	6.00	5.38	Self-Propelled Sprayer
Total					34.78	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.59	1.80	4.66	Custom Aerial Application
Total					4.66	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	2.21	6.00	13.26	Custom Aerial Application

Table 18-D. Soybean, Flood Irrigation: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel & Lube	Labor	Total	No. Field Trips	Feet, Width
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Ditcher	0.28	0.03	0.25	0.08	0.63	1.00	NA
Field Cultivator	1.82	0.51	1.22	0.41	3.96	2.00	36.0
Land Plane	2.10	0.27	2.13	0.71	5.22	1.00	17.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	1.00	60.0
Planter Grain Drill	3.65	1.74	2.26	0.81	8.46	1.00	30.0
Levee Pull	0.09	0.01	0.08	0.03	0.21	2.00	NA
Install Gates & Remove	0.15	0.02	0.17	0.22	0.55	All	NA
Take Down Levees, Levee Pull	0.09	0.01	0.08	0.03	0.21	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.18	0.57	0.41	0.15	2.31	3.00	90.0
Harvest							
Combine	8.43	3.03	3.75	0.99	16.20	1.00	NA
Soybean Head	1.06	1.42	NA	NA	2.48	1.00	30.0
Grain Cart	3.08	0.84	2.77	0.99	7.67	1.00	NA

Wheat Budget
for
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Table 19-A. Arkansas Wheat Enterprise Budget

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	55.00	6.00	330.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	30.00	30.00
Nitrogen	100%	Lbs	115	0.52	59.80
Phosphate (P2O5)	100%	Lbs	40	0.61	24.40
Potash (K2O)	100%	Lbs	80	0.45	36.00
Sulfur	100%	Lbs	12	0.28	3.36
Boron	100%	Lbs	0.00	6.50	0.00
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00
Herbicide	100%	Acre	1	23.54	23.54
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	18.06	18.06
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%	Appl	0	5.75	0.00
Air Application: Fertilizer & Chemical	100%	Appl	3	7.00	21.00
Air Application: Urea	100%	Lbs	100	0.070	7.00
Other Custom Hire, Air Seeding	100%	Appl	0	12.00	0.00
Machinery and Equipment					
Diesel Fuel & Lube, Pre Harvest	100%	Gallons	3.042	2.91	8.85
Repairs and Maintenance, Pre Harvest	100%	Acre	1.00	3.69	3.69
Diesel Fuel & Lube, Harvest	100%	Gallons	3.455	2.91	10.05
Repairs and Maintenance, Harvest	100%	Acre	1	7.71	7.71
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, other)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor, Field Activities	100%	Hrs	0.606	10.22	6.19
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 for 6 Months	100%	Rate %	5.50	0.03	7.14
Post-Harvest Expenses					
Drying	100%	Bu	55.00	0.00	0.00
Hauling	100%	Bu	55.00	0.22	12.10
Check Off, Boards	100%	Bu	55.00	0.00	0.00
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$278.89
Returns to Operating Expenses					\$51.11
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest and Harvest Machinery		Acre	1	31.44	31.44
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 1		Acre	1	7.86	7.86
Total Capital Recovery & Unallocated Costs					\$39.30
TOTAL SPECIFIED EXPENSES					\$318.19
NET RETURNS					\$11.81

Note 1: Estimated as 25% of pre-harvest and harvest machinery.

Table 19-B. Wheat Field Activities

Field Trip	Width	Activity	
Disk	32 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (30-40-80)
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Ditcher		Tillage	
Grain Drill	30 ft.	Plant	
Fertilizer Spreader	60 ft.	Fertilizer	65 lbs Urea (46-0-0) & N,P,K,S (10-0-0-12)
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	305 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (700 bu)		Harvest	

Table 19-C. Wheat: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Axial	Post Planting	oz	0.87	16.40	14.22	Custom Aerial Application
Harmony Extra XP	Post Planting	oz	13.20	0.60	7.92	Custom Aerial Application
Surfactant	with Harmony	oz	0.12	12.00	1.40	Custom Aerial Application
Total					23.54	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quilt	0.00	oz	1.29	14.00	18.06	Custom Aerial Application
Other	0.00	0.00	0.00	0.00	0.00	0.0
Total					18.06	

Table 19-D. Wheat: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital		Fuel &			No. Field Trips	Feet, Width
	Recovery	Repairs	Lube	Labor	Total		
Disk	3.08	0.78	1.75	0.59	6.19	1.00	32.0
Ditcher	0.28	0.03	0.25	0.08	0.63	1.00	NA
Field Cultivator	1.82	0.51	1.22	0.41	3.96	1.00	36.0
Land Plane	2.10	0.27	2.13	0.71	5.22	1.00	17.0
Fertilizer, Broadcast Spreader	0.73	0.18	0.62	0.27	1.81	2.00	60.0
Planter Grain Drill	3.65	1.74	2.26	0.81	8.46	1.00	30.0
Harvest							
Combine	13.01	4.67	5.79	1.53	24.99	1.00	NA
Wheat/Sorghum Head	1.30	1.74	NA	NA	3.04	1.00	25.0
Grain Cart	4.75	1.29	4.27	1.53	11.84	1.00	NA

Budget Summaries
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Table 20. Summary of Revenue and Expenses per Acre, Surface Irrigation

Receipts	Cotton	Corn	Sorghum	Soybean, Furrow	Rice, Conventional	Rice, Hybrid
Yield (cotton-lb,other-bu)	1200	175	110	60	170	190
Price (\$/yield unit)	0.81	5.20	4.58	11.45	5.63	5.63
Total Crop Revenue	972.00	910.00	503.80	687.00	957.10	1069.70
Cottonseed Value	147.60					
Operating Expenses						
Seed	105.31	107.25	21.19	63.60	30.96	88.00
Fertilizers & Nutrients	100.66	212.82	134.82	51.40	137.34	121.88
Chemicals	109.55	17.32	31.97	52.70	90.87	62.58
Custom Applications	0.00	7.00	0.00	14.00	44.10	35.00
Fuel & Lube	37.99	22.20	21.31	18.19	30.14	30.14
Repairs & Maintenance	30.32	18.10	14.75	14.73	23.08	23.08
Irrigation Energy Costs	41.25	51.56	34.37	41.25	103.11	103.11
Labor, Field Activities	16.75	7.66	7.28	6.29	9.87	9.87
Other Inputs & Fees, Pre-harvest	38.74	15.17	10.27	10.17	18.94	19.06
Post-harvest Expenses	147.60	73.50	25.30	15.00	99.20	110.87
Net Operating Expenses	480.56	532.58	301.25	287.32	587.61	603.59
Returns to Operating Expenses	491.44	377.42	202.55	399.68	369.49	466.11
Capital Recovery & Fixed Costs	123.36	69.87	58.68	57.79	104.03	104.03
Total Specified Expenses¹	603.91	602.45	359.93	345.11	691.64	707.62
Returns to Specified Expenses	368.09	307.55	143.87	341.89	265.46	362.08
Operating Expenses/yield unit	0.40	3.04	2.74	4.79	3.46	3.18
Total Expenses/yield unit	0.50	3.44	3.27	5.75	4.07	3.72

¹Does not include land costs, management, or other expenses and fees not associated with production.

Table 21. Summary of Revenue and Expenses per Acre, Center Pivot Irrigation

Receipts	Cotton	Corn	Sorghum	Soybean
Yield (cotton-lb,other-bu)	1200	175	110	60
Price (\$/yield unit)	0.81	5.20	4.58	11.45
Total Crop Revenue	972.00	910.00	503.80	687.00
Cottonseed Value	147.60			
Operating Expenses				
Seed	105.31	107.25	21.19	63.60
Fertilizers & Nutrients	100.66	212.82	134.82	51.40
Chemicals	109.55	17.32	31.97	52.70
Custom Applications	0.00	7.00	0.00	14.00
Fuel & Lube	36.64	20.85	19.96	16.85
Repairs & Maintenance	44.04	35.30	26.14	28.44
Irrigation Energy Costs	62.65	78.32	52.21	62.65
Labor, Field Activities	16.07	6.99	6.61	5.61
Other Inputs & Fees, Pre-harvest	36.69	13.36	8.05	8.12
Post-harvest Expenses	147.60	73.50	25.30	15.00
Net Operating Expenses	511.61	572.71	326.25	318.37
Returns to Operating Expenses	460.39	337.29	177.55	368.63
Capital Recovery & Fixed Costs	156.92	112.36	86.30	91.36
Total Specified Expenses¹	668.53	685.07	412.55	409.73
Returns to Specified Expenses	303.47	224.93	91.25	277.27
Operating Expenses/yield unit	0.43	3.27	2.97	5.31
Total Expenses/yield unit	0.56	3.91	3.75	6.83

¹Does not include land costs, management, or other expenses and fees not associated with production.

Table 22. Summary of Revenue and Expenses per Acre, No Irrigation

Receipts	Cotton	Corn	Sorghum	Soybean	Wheat
Yield (cotton-lb,other-bu)	800	125	70	30	55
Price (\$/yield unit)	0.81	5.20	4.58	11.45	6.00
Total Crop Revenue	648.00	650.00	320.60	343.50	330.00
Cottonseed Value	98.40				
Operating Expenses					
Seed	105.31	84.50	14.67	63.60	30.00
Fertilizers & Nutrients	74.78	177.76	124.42	51.40	123.56
Chemicals	101.78	17.32	31.97	52.70	41.60
Custom Applications	0.00	0.00	0.00	14.00	28.00
Fuel & Lube	36.64	20.85	19.96	16.85	18.91
Repairs & Maintenance	28.35	15.70	13.07	12.76	11.40
Irrigation Energy Costs	0.00	0.00	0.00	0.00	0.00
Labor, Field Activities	16.07	6.99	6.61	5.61	6.19
Other Inputs & Fees, Pre-harvest	33.61	8.89	5.79	5.97	7.14
Post-harvest Expenses	98.40	52.50	16.10	7.50	12.10
Net Operating Expenses	396.55	384.50	232.59	230.38	278.89
Returns to Operating Expenses	251.45	265.50	88.01	113.12	51.11
Capital Recovery & Fixed Costs	105.21	47.72	43.20	39.64	39.30
Total Specified Expenses¹	501.75	432.22	275.79	270.02	318.19
Returns to Specified Expenses	146.25	217.78	44.81	73.48	11.81
Operating Expenses/yield unit	0.50	3.08	3.32	7.68	5.07
Total Expenses/yield unit	0.63	3.46	3.94	9.00	5.79

¹Does not include land costs, management, or other expenses and fees not associated with production.

References

- Arkansas Farm Bureau. "Daily Commodity Report." Little Rock, AR. Available online: http://www.arfb.com/commodity_marketing/report/
- Edwards, William. *Estimating Farm Machinery Costs*. Iowa State University, University Extension, Ames, IA, 2005.
- Federal Reserve System. *Agricultural Finance Databook- E.15*. Section A.5, Washington, DC, June 2010. Available online: http://www.federalreserve.gov/releases/e15/current/pdf/afdr_a5.pdf
- Given, William. *Using Machinery Costs to Make Decisions.*, AG ECON 91-003, Cooperative Extension Service, Extension Agricultural Economics The University of Georgia, Athens, GA, March 1991.
- Iron Solutions. "Iron Guides," Region B, Volume 16, Issue 2, Fenton, MO, 2010.
- John Deere. "Agriculture." Available online: http://www.deere.com/en_US/deerecom/usa_canada.html
- Kay, Ronald D. and William M. Edwards. *Farm Management, Fourth Edition*. WCB/McGraw-Hill, Boston, MA, 1999.
- Lazurus, William F. and Roger A. Selly. *Suggested Procedures for Estimating Farm Machinery*. Staff Paper P02-16, Department of Applied Economics, College of Agricultural, Food, and Environmental Sciences, University of Minnesota, Minneapolis-St. Paul, MN, December 2002.
- U.S., Department of Agriculture, National Agricultural Statistics Service. *Agricultural Prices*. Washington, DC, April 2010.
- U.S. Department of Agriculture, National Agricultural Statistics Service. *Farm Labor*. Washington, DC, November 2010.
- USDA-World Agricultural Outlook Board (WAOB). 2010. "World Agricultural Supply and Demand Estimates," WASDE-489, Washington, DC.
- U.S. Department of Commerce, Bureau of Economic Analysis. "Implicit Price Deflators for the Gross Domestic Product." Table 1.1.9, Washington, DC, December 2010. Available online: <http://www.bea.gov/national/nipaweb/Index.asp>