DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System

2012 Crop Enterprise Budgets

for Arkansas Field Crops Planted in 2012

AG-1272

2012 Crop Enterprise Budgets

AG-1272

December 2011

Contributors

Economics	Crop and Soil Science
Carter Dunn	Chris Grimes
Archie Flanders	Steve Kelley
Scott Stiles	Kevin Lawson
	Ralph Mazzanti
	Blake McClelland
	Stewart Runsick

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

DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System

Table of Contents

2012 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 (MSU 2011) 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 2011). Labor costs in crop enterprise budgets represent time devoted to specified field activities. 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 Bank of Kansas City 2011). Real interest rates are calculated by applying the implicit price deflator for gross domestic product (USDC, BEA 2011). Representative prices for equipment are based on numerous sources of information including industry list prices (MSU 2011; 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 2011 ((USDA-WAOB 2011; AFB 2011), and realized prices will vary with continually changing market conditions. AEAB does not have programs for developing commodity price forecasts.

Corn Budgets

for

2012 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	6.00	1,050.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	113.85	113.85	
Nitrogen	100%	Lbs	223	0.68	151.64	
Phosphate (P2O5)	100%	Lbs	60	0.71	42.60	
Potash (K2O)	100%	Lbs	90	0.53	47.70	
Sulfur	100%	Lbs	24	0.33	7.92	
Zinc	100%	Lbs	10.00	1.39	13.90	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	18.66	18.66	
Insecticide	100%	Acre	1	0.00	0.00	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	100	0.070	7.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.142	3.46	14.33	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.38	8.38	
Diesel Fuel, Harvest	100%	Gallons	3.141	3.46	10.87	
Repairs and Maintenance, Harvest	100%	Acre	1	10.79	10.79	
Irrigation Energy Cost	100%	Ac-In	15	4.09	61.30	
Irrigation System Repairs & Maintenance	100%	Ac-In	15	0.15	2.21	
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	3.31	3.31	
Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	0.791	10.66	8.44	
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 %	4.90	0.0245	12.81	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
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					**$609.21**	
Returns to Operating Expenses					**$440.79**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	39.98	39.98	
Irrigation Equipment		Acre	1	19.15	19.15	
Miscellaneous Overhead; See Note 1		Acre	1	10.00	10.00	
Total Capital Recovery & Unallocated Costs					**$69.13**	
TOTAL SPECIFIED EXPENSES					**$678.33**	
NET RETURNS					**$371.67**	

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 Glyphosate Plus
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,Zn (75-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 2 pt Atrazine
Knife Rig	12 Row	Fertilizer	29 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 2 pt Atrazine
Irrigation Sweep	26 ft.	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
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.04	2.00	4.08	Self-Propelled Sprayer
Glyphosate Plus	Second Application	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Atrazine	Second Application	pt	2.04	2.00	4.08	Self-Propelled Sprayer
Total					**18.66**	

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

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Irrigation Sweep	1.70	0.43	1.60	0.52	4.24	1.00	26.0
Polypipe; Roll Out, Punch, Take Up	0.45	0.07	0.36	0.35	1.23	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	12.90	5.48	6.25	1.59	26.22	1.00	NA
Corn Head	2.47	3.48	NA	NA	5.95	1.00	25.0
Grain Cart	4.60	1.83	4.61	1.59	12.64	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	6.00	1,050.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	113.85	113.85	
Nitrogen	100%	Lbs	223	0.68	151.64	
Phosphate (P2O5)	100%	Lbs	60	0.71	42.60	
Potash (K2O)	100%	Lbs	90	0.53	47.70	
Sulfur	100%	Lbs	24	0.33	7.92	
Zinc	100%	Lbs	10.00	1.39	13.90	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	18.66	18.66	
Insecticide	100%	Acre	1	0.00	0.00	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	100	0.070	7.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.576	3.46	12.37	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.88	7.88	
Diesel Fuel, Harvest	100%	Gallons	3.141	3.46	10.87	
Repairs and Maintenance, Harvest	100%	Acre	1	10.79	10.79	
Irrigation Energy Cost	100%	Ac-In	15	6.21	93.12	
Irrigation System Repairs & Maintenance	100%	Ac-In	15	1.33	19.90	
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	0.710	10.66	7.57	
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 %	4.90	0.0245	13.86	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
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					**$653.13**	
Returns to Operating Expenses					**$396.87**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	37.83	37.83	
Irrigation Equipment		Acre	1	61.84	61.84	
Miscellaneous Overhead; See Note 1		Acre	1	9.46	9.46	
Total Capital Recovery & Unallocated Costs					**$109.13**	
TOTAL SPECIFIED EXPENSES					**$762.26**	
NET RETURNS					**$287.74**	

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 Glyphosate Plus
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,Zn (75-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 2 pt Atrazine
Knife Rig	12 Row	Fertilizer	29 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate 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
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.04	2.00	4.08	Self-Propelled Sprayer
Glyphosate Plus	Second Application	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Atrazine	Second Application	pt	2.04	2.00	4.08	Self-Propelled Sprayer
Total					**18.66**	

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

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	12.90	5.48	6.25	1.59	26.22	1.00	NA
Corn Head	2.47	3.48	NA	NA	5.95	1.00	25.0
Grain Cart	4.60	1.83	4.61	1.59	12.64	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	6.00	750.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	89.70	89.70	
Nitrogen	100%	Lbs	156	0.68	106.08	
Phosphate (P2O5)	100%	Lbs	60	0.71	42.60	
Potash (K2O)	100%	Lbs	90	0.53	47.70	
Sulfur	100%	Lbs	24	0.33	7.92	
Zinc	100%	Lbs	10.00	1.39	13.90	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	18.66	18.66	
Insecticide	100%	Acre	1	0.00	0.00	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.576	3.46	12.37	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.88	7.88	
Diesel Fuel, Harvest	100%	Gallons	3.141	3.46	10.87	
Repairs and Maintenance, Harvest	100%	Acre	1	10.79	10.79	
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	0.710	10.66	7.57	
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 %	4.90	0.0245	9.21	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	125.00	0.19	23.75	
Hauling	100%	Bu	125.00	0.22	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					**$437.75**	
Returns to Operating Expenses					**$312.25**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	37.83	37.83	
Irrigation Equipment		Acre	1	0.00	0.00	
Miscellaneous Overhead; See Note 1		Acre	1	9.46	9.46	
Total Capital Recovery & Unallocated Costs					**$47.29**	
TOTAL SPECIFIED EXPENSES					**$485.05**	
NET RETURNS					**$264.95**	

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 Glyphosate Plus
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,Zn (50-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 2 pt Atrazine
Knife Rig	12 Row	Fertilizer	30 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate 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
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.04	2.00	4.08	Self-Propelled Sprayer
Glyphosate Plus	Second Application	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Atrazine	Second Application	pt	2.04	2.00	4.08	Self-Propelled Sprayer
Total					**18.66**	

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

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	12.90	5.48	6.25	1.59	26.22	1.00	NA
Corn Head	2.47	3.48	NA	NA	5.95	1.00	25.0
Grain Cart	4.60	1.83	4.61	1.59	12.64	1.00	NA

Cotton Budgets

for

2012 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	0.90	1,080.00	
Cottonseed Value	100%	Ton	0.900	162.53	146.28	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees; See Note 1	100%	Acre	1	106.26	106.26	
Nitrogen	100%	Lbs	94	0.68	63.92	
Phosphate (P2O5)	100%	Lbs	30	0.71	21.30	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	10	0.33	3.30	
Boron	100%	Lbs	1.00	6.13	6.13	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	56.76	56.76	
Insecticide	100%	Acre	1	22.57	22.57	
Nematicide	100%	Acre	1	0.00	0.00	
Growth Regulator	100%	Acre	1	3.64	3.64	
Defoliant	100%	Acre	1	19.91	19.91	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.990	3.46	20.73	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	14.09	14.09	
Diesel Fuel, Harvest	100%	Gallons	6.277	3.46	21.72	
Repairs and Maintenance, Harvest	100%	Acre	1	19.97	19.97	
Irrigation Energy Cost	100%	Ac-In	12	4.09	49.04	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.77	
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	3.31	3.31	
Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	1.680	10.66	17.91	
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 %	4.90	0.0245	12.42	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses; See Note 3						
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00	
Storage and Warehousing	100%	Bale	2.40	10.50	25.20	
Promotions, Boards, Classing	100%	Bale	2.40	5.45	13.08	
Cash Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					**$519.53**	
Returns to Operating Expenses					**$560.47**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	84.76	84.76	
Irrigation Equipment		Acre	1	15.32	15.32	
Miscellaneous Overhead; See Note 4		Acre	1	21.19	21.19	
Total Capital Recovery & Unallocated Costs					**$121.26**	
TOTAL SPECIFIED EXPENSES					**$640.79**	
NET RETURNS					**$439.21**	

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

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

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

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

Table 4-B. Cotton Field Activities, B2RF, 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 Glyphosate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	2 pt Glyphosate 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 Glyphosate 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, B2RF, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.31	8.00	2.47	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.69	1.60	7.50	Planter
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	1.50	2.63	Hooded Sprayer
Valor	Post Planting	oz	4.58	2.00	9.16	Hooded Sprayer
Total					**56.76**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.58	2.00	7.16	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.91	6.00	5.46	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Total					**22.57**	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Mepex	Second Application	oz	0.14	8.00	1.12	Self-Propelled Sprayer
Mepex	Third Application	oz	0.14	12.00	1.68	Self-Propelled Sprayer
Total					**3.64**	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp	First Defoliation	oz	1.74	2.00	3.48	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.53	6.00	3.18	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.19	6.00	1.13	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.53	8.00	4.25	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.19	42.00	7.88	Self-Propelled Sprayer
Total					**19.91**	

Table 4-D. Cotton, B2RF, Furrow Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Irrigation Sweep	1.70	0.43	1.60	0.52	4.24	1.00	26.0
Polypipe; Roll Out, Punch, Take Up	0.45	0.07	0.36	0.35	1.23	1.00	NA
Hooded Sprayer	1.90	0.69	1.63	0.53	4.76	1.00	38.0
Mower, Stalk Shredder	3.26	2.03	2.52	0.86	8.68	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	8.00	90.0
Harvest							
Cotton Picker	40.59	15.52	9.58	2.10	67.79	1.00	19.0
Boll Buggy	6.52	2.10	6.07	2.10	16.79	1.00	19.0
Module Builder	7.05	2.35	6.07	6.29	21.77	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	0.90	1,080.00	
Cottonseed Value	100%	Ton	0.900	162.53	146.28	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees; See Note 1	100%	Acre	1	106.26	106.26	
Nitrogen	100%	Lbs	94	0.68	63.92	
Phosphate (P2O5)	100%	Lbs	30	0.71	21.30	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	10	0.33	3.30	
Boron	100%	Lbs	1.00	6.13	6.13	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	56.76	56.76	
Insecticide	100%	Acre	1	22.57	22.57	
Nematicide	100%	Acre	1	0.00	0.00	
Growth Regulator	100%	Acre	1	3.64	3.64	
Defoliant	100%	Acre	1	19.91	19.91	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.424	3.46	18.77	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	13.59	13.59	
Diesel Fuel, Harvest	100%	Gallons	6.277	3.46	21.72	
Repairs and Maintenance, Harvest	100%	Acre	1	19.97	19.97	
Irrigation Energy Cost	100%	Ac-In	12	6.21	74.49	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	1.33	15.92	
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	1.599	10.66	17.04	
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 %	4.90	0.0245	13.23	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses; See Note 3						
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00	
Storage and Warehousing	100%	Bale	2.40	10.50	25.20	
Promotions, Boards, Classing	100%	Bale	2.40	5.45	13.08	
Cash Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					**$553.31**	
Returns to Operating Expenses					**$526.69**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	82.61	82.61	
Irrigation Equipment		Acre	1	49.47	49.47	
Miscellaneous Overhead; See Note 4		Acre	1	20.65	20.65	
Total Capital Recovery & Unallocated Costs					**$152.73**	
TOTAL SPECIFIED EXPENSES					**$706.04**	
NET RETURNS					**$373.96**	

Note 1: Technology fees and seed prices vary by geographical location.
Note 2: Boll weevil eradication fee is $14 in NE Arkansas, $8 elsewhere.
Note 3: Cottonseed value deducted from post-harvest expenses.
Note 4: Estimated as 25% of pre-harvest and harvest machinery.

Table 5-B. Cotton Field Activities, B2RF, 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 Glyphosate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	2 pt Glyphosate Plus, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate 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, B2RF, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.31	8.00	2.47	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.69	1.60	7.50	Planter
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	1.50	2.63	Hooded Sprayer
Valor	Post Planting	oz	4.58	2.00	9.16	Hooded Sprayer
Total					**56.76**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.58	2.00	7.16	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.91	6.00	5.46	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Total					**22.57**	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Mepex	Second Application	oz	0.14	8.00	1.12	Self-Propelled Sprayer
Mepex	Third Application	oz	0.14	12.00	1.68	Self-Propelled Sprayer
Total					**3.64**	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp	First Defoliation	oz	1.74	2.00	3.48	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.53	6.00	3.18	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.19	6.00	1.13	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.53	8.00	4.25	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.19	42.00	7.88	Self-Propelled Sprayer
Total					**19.91**	

Table 5-D. Cotton, B2RF, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Hooded Sprayer	1.90	0.69	1.63	0.53	4.76	1.00	38.0
Mower, Stalk Shredder	3.26	2.03	2.52	0.86	8.68	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	8.00	90.0
Harvest							
Cotton Picker	40.59	15.52	9.58	2.10	67.79	1.00	19.0
Boll Buggy	6.52	2.10	6.07	2.10	16.79	1.00	19.0
Module Builder	7.05	2.35	6.07	6.29	21.77	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	0.90	720.00	
Cottonseed Value	100%	Ton	0.600	162.53	97.52	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees; See Note 1	100%	Acre	1	106.26	106.26	
Nitrogen	100%	Lbs	72	0.68	48.96	
Phosphate (P2O5)	100%	Lbs	20	0.71	14.20	
Potash (K2O)	100%	Lbs	40	0.53	21.20	
Sulfur	100%	Lbs	10	0.33	3.30	
Boron	100%	Lbs	1.00	6.13	6.13	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	56.40	56.40	
Insecticide	100%	Acre	1	22.57	22.57	
Nematicide	100%	Acre	1	0.00	0.00	
Growth Regulator	100%	Acre	1	1.96	1.96	
Defoliant	100%	Acre	1	10.83	10.83	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.294	3.46	18.32	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	12.99	12.99	
Diesel Fuel, Harvest	100%	Gallons	6.277	3.46	21.72	
Repairs and Maintenance, Harvest	100%	Acre	1	19.97	19.97	
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	1.584	10.66	16.88	
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 %	4.90	0.0245	9.91	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses; See Note 3						
Hauling, Ginning	100%	Lbs	800.00	0.09	72.00	
Storage and Warehousing	100%	Bale	1.60	10.50	16.80	
Promotions, Boards, Classing	100%	Bale	1.60	5.45	8.72	
Cash Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					**$414.60**	
Returns to Operating Expenses					**$305.40**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	81.53	81.53	
Irrigation Equipment		Acre	1	0.00	0.00	
Miscellaneous Overhead; See Note 4		Acre	1	20.38	20.38	
Total Capital Recovery & Unallocated Costs					**$101.91**	
TOTAL SPECIFIED EXPENSES					**$516.50**	
NET RETURNS					**$203.50**	

Note 1: Technology fees and seed prices vary by geographical location.
Note 2: Boll weevil eradication fee is $14 in NE Arkansas, $8 elsewhere.
Note 3: Cottonseed value deducted from post-harvest expenses.
Note 4: Estimated as 25% of pre-harvest and harvest machinery.

Table 6-B. Cotton Field Activities, B2RF, 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 Glyphosate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-20-40-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 1 pt Dual
Knife Rig	12 Row	Fertilizer	12 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	2 pt Glyphosate Plus, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	1.5 pt Glyphosate 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	

Table 6-C. Cotton, B2RF, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.31	8.00	2.47	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.69	1.60	7.50	Planter
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.75	1.50	2.63	Hooded Sprayer
Valor	Post Planting	oz	4.40	2.00	8.80	Hooded Sprayer
Total					**56.40**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.58	2.00	7.16	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.91	6.00	5.46	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Total					**22.57**	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	Only One Application	oz	0.14	14.00	1.96	Self-Propelled Sprayer
Total					**1.96**	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Ginstar	Only One Defoliation	oz	1.71	5.00	8.55	Self-Propelled Sprayer
Finish	Only One Defoliation	oz	0.46	5.00	2.28	Self-Propelled Sprayer
Total					**10.83**	

Table 6-D. Cotton, B2RF, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Hooded Sprayer	1.90	0.69	1.63	0.53	4.76	1.00	38.0
Mower, Stalk Shredder	3.26	2.03	2.52	0.86	8.68	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	7.00	90.0
Harvest							
Cotton Picker	40.59	15.52	9.58	2.10	67.79	1.00	19.0
Boll Buggy	6.52	2.10	6.07	2.10	16.79	1.00	19.0
Module Builder	7.05	2.35	6.07	6.29	21.77	1.00	19.0

Table 7-A. Arkansas Cotton Enterprise Budget, B2LL, Furrow Irrigation

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Lbs	1,200.00	0.90	1,080.00	
Cottonseed Value	100%	Ton	0.900	162.53	146.28	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees; See Note 1	100%	Acre	1	94.38	94.38	
Nitrogen	100%	Lbs	94	0.68	63.92	
Phosphate (P2O5)	100%	Lbs	30	0.71	21.30	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	10	0.33	3.30	
Boron	100%	Lbs	1.00	6.13	6.13	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	75.93	75.93	
Insecticide	100%	Acre	1	22.57	22.57	
Nematicide	100%	Acre	1	0.00	0.00	
Growth Regulator	100%	Acre	1	3.64	3.64	
Defoliant	100%	Acre	1	19.91	19.91	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.990	3.46	20.73	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	14.09	14.09	
Diesel Fuel, Harvest	100%	Gallons	6.277	3.46	21.72	
Repairs and Maintenance, Harvest	100%	Acre	1	19.97	19.97	
Irrigation Energy Cost	100%	Ac-In	12	4.09	49.04	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.77	
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	3.31	3.31	
Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	1.680	10.66	17.91	
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 %	4.90	0.0245	12.60	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses; See Note 3						
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00	
Storage and Warehousing	100%	Bale	2.40	10.50	25.20	
Promotions, Boards, Classing	100%	Bale	2.40	5.45	13.08	
Cash Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					**$527.01**	
Returns to Operating Expenses					**$552.99**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	84.76	84.76	
Irrigation Equipment		Acre	1	15.32	15.32	
Miscellaneous Overhead; See Note 4		Acre	1	21.19	21.19	
Total Capital Recovery & Unallocated Costs					**$121.26**	
TOTAL SPECIFIED EXPENSES					**$648.27**	
NET RETURNS					**$431.73**	

Note 1: Technology fees and seed prices vary by geographical location.
Note 2: Boll weevil eradication fee is $14 in NE Arkansas, $8 elsewhere.
Note 3: Cottonseed value deducted from post-harvest expenses.
Note 4: Estimated as 25% of pre-harvest and harvest machinery.

Table 7-B. Cotton Field Activities, B2LL, Furrow Irrigation

Field Trip	Width	Activity	B2LL
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Ignite, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Ignite, 1 pt Dual, 2 oz Centric
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	24 oz Ignite, 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 7-C. Cotton, B2LL, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.31	8.00	2.47	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.69	1.60	7.50	Planter
Ignite	Post Planting	oz	0.40	24.00	9.60	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	24.00	9.60	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	24.00	9.60	Hooded Sprayer
Valor	Post Planting	oz	4.58	2.00	9.16	Hooded Sprayer
Total					**75.93**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.58	2.00	7.16	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.91	6.00	5.46	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Total					**22.57**	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Mepex	Second Application	oz	0.14	8.00	1.12	Self-Propelled Sprayer
Mepex	Third Application	oz	0.14	12.00	1.68	Self-Propelled Sprayer
Total					**3.64**	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp	First Defoliation	oz	1.74	2.00	3.48	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.53	6.00	3.18	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.19	6.00	1.13	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.53	8.00	4.25	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.19	42.00	7.88	Self-Propelled Sprayer
Total					**19.91**	

Table 7-D. Cotton, B2LL, Furrow Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Irrigation Sweep	1.70	0.43	1.60	0.52	4.24	1.00	26.0
Polypipe; Roll Out, Punch, Take Up	0.45	0.07	0.36	0.35	1.23	1.00	NA
Hooded Sprayer	1.90	0.69	1.63	0.53	4.76	1.00	38.0
Mower, Stalk Shredder	3.26	2.03	2.52	0.86	8.68	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	8.00	90.0
Harvest							
Cotton Picker	40.59	15.52	9.58	2.10	67.79	1.00	19.0
Boll Buggy	6.52	2.10	6.07	2.10	16.79	1.00	19.0
Module Builder	7.05	2.35	6.07	6.29	21.77	1.00	19.0

Table 8-A. Arkansas Cotton Enterprise Budget, B2LL, Center Pivot Irrigation

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Lbs	1,200.00	0.90	1,080.00	
Cottonseed Value	100%	Ton	0.900	162.53	146.28	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees; See Note 1	100%	Acre	1	94.38	94.38	
Nitrogen	100%	Lbs	94	0.68	63.92	
Phosphate (P2O5)	100%	Lbs	30	0.71	21.30	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	10	0.33	3.30	
Boron	100%	Lbs	1.00	6.13	6.13	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	75.93	75.93	
Insecticide	100%	Acre	1	22.57	22.57	
Nematicide	100%	Acre	1	0.00	0.00	
Growth Regulator	100%	Acre	1	3.64	3.64	
Defoliant	100%	Acre	1	19.91	19.91	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.424	3.46	18.77	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	13.59	13.59	
Diesel Fuel, Harvest	100%	Gallons	6.277	3.46	21.72	
Repairs and Maintenance, Harvest	100%	Acre	1	19.97	19.97	
Irrigation Energy Cost	100%	Ac-In	12	6.21	74.49	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	1.33	15.92	
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	1.599	10.66	17.04	
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 %	4.90	0.0245	13.41	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses; See Note 3						
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00	
Storage and Warehousing	100%	Bale	2.40	10.50	25.20	
Promotions, Boards, Classing	100%	Bale	2.40	5.45	13.08	
Cash Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					**$560.79**	
Returns to Operating Expenses					**$519.21**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	82.61	82.61	
Irrigation Equipment		Acre	1	49.47	49.47	
Miscellaneous Overhead; See Note 4		Acre	1	20.65	20.65	
Total Capital Recovery & Unallocated Costs					**$152.73**	
TOTAL SPECIFIED EXPENSES					**$713.52**	
NET RETURNS					**$366.48**	

Note 1: Technology fees and seed prices vary by geographical location.
Note 2: Boll weevil eradication fee is $14 in NE Arkansas, $8 elsewhere.
Note 3: Cottonseed value deducted from post-harvest expenses.
Note 4: Estimated as 25% of pre-harvest and harvest machinery.

Table 8-B. Cotton Field Activities, B2LL, Center Pivot Irrigation			
Field Trip	Width	Activity	B2LL
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Ignite, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Ignite, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	24 oz Ignite, 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 8-C. Cotton, B2LL, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.31	8.00	2.47	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.69	1.60	7.50	Planter
Ignite	Post Planting	oz	0.40	24.00	9.60	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	24.00	9.60	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	24.00	9.60	Hooded Sprayer
Valor	Post Planting	oz	4.58	2.00	9.16	Hooded Sprayer
Total					**75.93**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.58	2.00	7.16	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.91	6.00	5.46	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Total					**22.57**	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Mepex	Second Application	oz	0.14	8.00	1.12	Self-Propelled Sprayer
Mepex	Third Application	oz	0.14	12.00	1.68	Self-Propelled Sprayer
Total					**3.64**	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp	First Defoliation	oz	1.74	2.00	3.48	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.53	6.00	3.18	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.19	6.00	1.13	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.53	8.00	4.25	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.19	42.00	7.88	Self-Propelled Sprayer
Total					**19.91**	

Table 8-D. Cotton, B2LL, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Hooded Sprayer	1.90	0.69	1.63	0.53	4.76	1.00	38.0
Mower, Stalk Shredder	3.26	2.03	2.52	0.86	8.68	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	8.00	90.0
Harvest							
Cotton Picker	40.59	15.52	9.58	2.10	67.79	1.00	19.0
Boll Buggy	6.52	2.10	6.07	2.10	16.79	1.00	19.0
Module Builder	7.05	2.35	6.07	6.29	21.77	1.00	19.0

Table 9-A. Arkansas Cotton Enterprise Budget, B2LL, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Lbs	800.00	0.90	720.00	
Cottonseed Value	100%	Ton	0.600	162.53	97.52	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees; See Note 1	100%	Acre	1	94.38	94.38	
Nitrogen	100%	Lbs	72	0.68	48.96	
Phosphate (P2O5)	100%	Lbs	20	0.71	14.20	
Potash (K2O)	100%	Lbs	40	0.53	21.20	
Sulfur	100%	Lbs	10	0.33	3.30	
Boron	100%	Lbs	1.00	6.13	6.13	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	75.93	75.93	
Insecticide	100%	Acre	1	22.57	22.57	
Nematicide	100%	Acre	1	0.00	0.00	
Growth Regulator	100%	Acre	1	1.96	1.96	
Defoliant	100%	Acre	1	10.83	10.83	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.294	3.46	18.32	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	12.99	12.99	
Diesel Fuel, Harvest	100%	Gallons	6.277	3.46	21.72	
Repairs and Maintenance, Harvest	100%	Acre	1	19.97	19.97	
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	1.584	10.66	16.88	
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 %	4.90	0.0245	10.10	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses; See Note 3						
Hauling, Ginning	100%	Lbs	800.00	0.09	72.00	
Storage and Warehousing	100%	Bale	1.60	10.50	16.80	
Promotions, Boards, Classing	100%	Bale	1.60	5.45	8.72	
Cash Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					**$422.44**	
Returns to Operating Expenses					**$297.56**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	81.53	81.53	
Irrigation Equipment		Acre	1	0.00	0.00	
Miscellaneous Overhead; See Note 4		Acre	1	20.38	20.38	
Total Capital Recovery & Unallocated Costs					**$101.91**	
TOTAL SPECIFIED EXPENSES					**$524.35**	
NET RETURNS					**$195.65**	

Note 1: Technology fees and seed prices vary by geographical location.
Note 2: Boll weevil eradication fee is $14 in NE Arkansas, $8 elsewhere.
Note 3: Cottonseed value deducted from post-harvest expenses.
Note 4: Estimated as 25% of pre-harvest and harvest machinery.

Table 9-B. Cotton Field Activities, B2LL, No Irrigation

Field Trip	Width	Activity	B2LL
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K,S,B (30-20-40-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant, with Herbicide	1.6 pt Cotoran
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Ignite, 1 pt Dual
Knife Rig	12 Row	Fertilizer	12 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Ignite, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	24 oz Ignite, 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	

Table 9-C. Cotton, B2LL, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.31	8.00	2.47	Self-Propelled Sprayer
Cotoran	At Planting	pt	4.69	1.60	7.50	Planter
Ignite	Post Planting	oz	0.40	24.00	9.60	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	24.00	9.60	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.00	12.25	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	24.00	9.60	Hooded Sprayer
Valor	Post Planting	oz	4.58	2.00	9.16	Hooded Sprayer
Total					**75.93**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.58	2.00	7.16	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.91	6.00	5.46	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.63	0.75	4.97	Self-Propelled Sprayer
Total					**22.57**	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	Only One Application	oz	0.14	14.00	1.96	Self-Propelled Sprayer
Total					**1.96**	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Ginstar	Only One Defoliation	oz	1.71	5.00	8.55	Self-Propelled Sprayer
Finish	Only One Defoliation	oz	0.46	5.00	2.28	Self-Propelled Sprayer
Total					**10.83**	

Table 9-D. Cotton, B2LL, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Fertilizer, Knife Rig	2.75	1.11	1.63	0.68	6.17	1.00	38.0
Hooded Sprayer	1.90	0.69	1.63	0.53	4.76	1.00	38.0
Mower, Stalk Shredder	3.26	2.03	2.52	0.86	8.68	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	7.00	90.0
Harvest							
Cotton Picker	40.59	15.52	9.58	2.10	67.79	1.00	19.0
Boll Buggy	6.52	2.10	6.07	2.10	16.79	1.00	19.0
Module Builder	7.05	2.35	6.07	6.29	21.77	1.00	19.0

Grain Sorghum Budgets

for

2012 Planting

Table 10-A. Arkansas Grain Sorghum Enterprise Budget, Furrow Irrigation

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	110.00	5.28	580.80	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	20.15	20.15	
Nitrogen	100%	Lbs	111	0.68	75.48	
Phosphate (P2O5)	100%	Lbs	60	0.71	42.60	
Potash (K2O)	100%	Lbs	90	0.53	47.70	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	26.98	26.98	
Insecticide	100%	Acre	1	3.49	3.49	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.188	3.46	14.49	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.39	8.39	
Diesel Fuel, Harvest	100%	Gallons	3.141	3.46	10.87	
Repairs and Maintenance, Harvest	100%	Acre	1	8.90	8.90	
Irrigation Energy Cost	100%	Ac-In	10	4.09	40.87	
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.15	1.47	
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	3.31	3.31	
Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	0.795	10.66	8.47	
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 %	4.90	0.0245	7.67	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	110.00	0.00	0.00	
Hauling	100%	Bu	110.00	0.22	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					**$346.13**	
Returns to Operating Expenses					**$234.67**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	38.38	38.38	
Irrigation Equipment		Acre	1	12.76	12.76	
Miscellaneous Overhead; See Note 1		Acre	1	9.60	9.60	
Total Capital Recovery & Unallocated Costs					**$60.74**	
TOTAL SPECIFIED EXPENSES					**$406.87**	
NET RETURNS					**$173.93**	

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

Table 10-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 Glyphosate Plus
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	30 ft.	Fertilizer	165 Lbs Urea (46-0-0)
Irrigation Sweep	26 ft.	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 10-C. Grain Sorghum, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.50	18.38	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.04	2.50	5.10	Self-Propelled Sprayer
Total					**26.98**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.28	3.49	Self-Propelled Sprayer
Total					**3.49**	

Table 10-D. Grain Sorghum, Furrow Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	2.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Irrigation Sweep	1.70	0.43	1.60	0.52	4.24	1.00	26.0
Polypipe; Roll Out, Punch, Take Up	0.45	0.07	0.36	0.35	1.23	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	4.00	90.0
Harvest							
Combine	12.90	5.48	6.25	1.59	26.22	1.00	NA
Wheat/Sorghum Head	1.13	1.58	NA	NA	2.71	1.00	25.0
Grain Cart	4.60	1.83	4.61	1.59	12.64	1.00	NA

Table 11-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	5.28	580.80	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	20.15	20.15	
Nitrogen	100%	Lbs	111	0.68	75.48	
Phosphate (P2O5)	100%	Lbs	60	0.71	42.60	
Potash (K2O)	100%	Lbs	90	0.53	47.70	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	26.98	26.98	
Insecticide	100%	Acre	1	3.49	3.49	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.622	3.46	12.53	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.88	7.88	
Diesel Fuel, Harvest	100%	Gallons	3.141	3.46	10.87	
Repairs and Maintenance, Harvest	100%	Acre	1	8.90	8.90	
Irrigation Energy Cost	100%	Ac-In	10	6.21	62.08	
Irrigation System Repairs & Maintenance	100%	Ac-In	10	1.33	13.27	
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	0.713	10.66	7.60	
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 %	4.90	0.0245	8.32	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	110.00	0.00	0.00	
Hauling	100%	Bu	110.00	0.22	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					**$373.15**	
Returns to Operating Expenses					**$207.65**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	36.23	36.23	
Irrigation Equipment		Acre	1	41.23	41.23	
Miscellaneous Overhead; See Note 1		Acre	1	9.06	9.06	
Total Capital Recovery & Unallocated Costs					**$86.52**	
TOTAL SPECIFIED EXPENSES					**$459.66**	
NET RETURNS					**$121.14**	

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

Table 11-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 Glyphosate Plus
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	30 ft.	Fertilizer	165 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	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 11-C. Grain Sorghum, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.50	18.38	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.04	2.50	5.10	Self-Propelled Sprayer
Total					**26.98**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.28	3.49	Self-Propelled Sprayer
Total					**3.49**	

Table 11-D. Grain Sorghum, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	2.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	4.00	90.0
Harvest							
Combine	12.90	5.48	6.25	1.59	26.22	1.00	NA
Wheat/Sorghum Head	1.13	1.58	NA	NA	2.71	1.00	25.0
Grain Cart	4.60	1.83	4.61	1.59	12.64	1.00	NA

Table 12-A. Arkansas Grain Sorghum Enterprise Budget, No Irrigation

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	70.00	5.28	369.60	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	13.95	13.95	
Nitrogen	100%	Lbs	91	0.68	61.88	
Phosphate (P2O5)	100%	Lbs	60	0.71	42.60	
Potash (K2O)	100%	Lbs	90	0.53	47.70	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	26.98	26.98	
Insecticide	100%	Acre	1	3.49	3.49	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	0	7.00	0.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.622	3.46	12.53	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.88	7.88	
Diesel Fuel, Harvest	100%	Gallons	3.141	3.46	10.87	
Repairs and Maintenance, Harvest	100%	Acre	1	8.90	8.90	
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	0.713	10.66	7.60	
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 %	4.90	0.0245	5.99	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	70.00	0.00	0.00	
Hauling	100%	Bu	70.00	0.22	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					**$266.47**	
Returns to Operating Expenses					**$103.13**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	36.23	36.23	
Irrigation Equipment		Acre	1	0.00	0.00	
Miscellaneous Overhead; See Note 1		Acre	1	9.06	9.06	
Total Capital Recovery & Unallocated Costs					**$45.29**	
TOTAL SPECIFIED EXPENSES					**$311.76**	
NET RETURNS					**$57.84**	

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

Table 12-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 Glyphosate Plus
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	30 ft.	Fertilizer	122 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	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, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Dual	Post Planting	pt	12.25	1.50	18.38	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.04	2.50	5.10	Self-Propelled Sprayer
Total					**26.98**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.28	3.49	Self-Propelled Sprayer
Total					**3.49**	

Table 12-D. Grain Sorghum, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	4.64	1.78	4.37	1.42	12.21	0.33	19.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	1.67	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	2.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter	3.26	2.07	1.91	0.69	7.92	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	4.00	90.0
Harvest							
Combine	12.90	5.48	6.25	1.59	26.22	1.00	NA
Wheat/Sorghum Head	1.13	1.58	NA	NA	2.71	1.00	25.0
Grain Cart	4.60	1.83	4.61	1.59	12.64	1.00	NA

Rice Budgets

for

2012 Planting

Table 13-A. Arkansas Rice Enterprise Budget, Conventional Seed

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	170.00	5.85	994.50	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	25.92	25.92	
Nitrogen	100%	Lbs	152	0.68	103.36	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Agrotain	100%	Qt	0.46	15.75	7.25	
Herbicide	100%	Acre	1	66.70	66.70	
Insecticide	100%	Acre	1	4.37	4.37	
Fungicide	100%	Acre	1	41.73	41.73	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00	
Air Application: Urea	100%	Lbs	330	0.070	23.10	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.006	3.46	13.86	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	6.85	6.85	
Diesel Fuel, Harvest	100%	Gallons	5.497	3.46	19.02	
Repairs and Maintenance, Harvest	100%	Acre	1	16.51	16.51	
Irrigation Energy Cost	100%	Ac-In	30	4.09	122.60	
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.15	4.41	
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	0.981	10.66	10.45	
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 %	4.90	0.0245	13.55	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
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					**$665.95**	
Returns to Operating Expenses					**$328.55**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	51.09	51.09	
Irrigation Equipment		Acre	1	38.29	38.29	
Miscellaneous Overhead; See Note 1		Acre	1	12.77	12.77	
Total Capital Recovery & Unallocated Costs					**$102.16**	
TOTAL SPECIFIED EXPENSES					**$768.11**	
NET RETURNS					**$226.39**	

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

Table 13-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	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	
Roller	38 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 Head Grain Wagon (700 bu)	305 hp 25 ft Rigid	Harvest Harvest Harvest	
Remove Levees			
Roller	38 ft.	Manage Stubble	

Table 13-C. Rice, Conventional Seed: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	0.92	16.00	14.75	Self-Propelled Sprayer
Rice Shot	Post Plant	gal	26.72	1.00	26.72	Custom Aerial Application
Facet	Post Plant	lb	45.50	0.33	15.02	Custom Aerial Application
Crop Oil	with Post Plant	oz	0.21	32.00	6.72	Custom Aerial Application
Grandstand	Spray Levees	pt	12.32	0.07	0.83	ATV
Rice Shot	Spray Levees	gal	26.72	0.10	2.67	ATV
Total					**66.70**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.60	4.37	Custom Aerial Application
Total					**4.37**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	12.80	41.73	Custom Aerial Application
Total					**41.73**	

Table 13-D. Rice, Conventional Seed: Machinery Capital Recovery, Operating Costs, and Details

Implement	Costs per Acre-Trip, $ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Roller	1.68	0.38	1.46	0.47	3.99	2.00	38.0
Ditcher	0.26	0.05	0.27	0.09	0.67	1.00	NA
Field Cultivator	1.96	0.73	1.48	0.48	4.65	1.00	32.0
Land Plane	2.14	0.55	2.30	0.74	5.74	1.00	17.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Planter Grain Drill	4.00	2.48	2.45	0.85	9.77	1.00	30.0
ATV with Spot, Levee Sprayer	0.02	0.01	0.02	0.03	0.09	1.00	NA
Levee Pull, Planter/Incorporate	0.09	0.02	0.10	0.03	0.24	3.00	NA
Install Gates & Remove	0.14	0.03	0.18	0.23	0.59	All	NA
Take Down Levees, Levee Pull	0.25	0.06	0.27	0.09	0.67	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	1.00	90.0
Harvest							
Combine	22.57	9.59	10.94	2.79	45.89	1.00	NA
Rice Head	2.64	3.72	NA	NA	6.36	1.00	25.0
Grain Cart	8.05	3.21	8.07	2.79	22.13	1.00	NA

Table 14-A. Arkansas Rice Enterprise Budget, Clearfield Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	160.00	5.85	936.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	79.92	79.92	
Nitrogen	100%	Lbs	152	0.68	103.36	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Agrotain	100%	Qt	0.46	15.75	7.25	
Herbicide	100%	Acre	1	58.88	58.88	
Insecticide	100%	Acre	1	4.37	4.37	
Fungicide	100%	Acre	1	41.73	41.73	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	4	7.00	28.00	
Air Application: Urea	100%	Lbs	330	0.070	23.10	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.006	3.46	13.86	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	6.85	6.85	
Diesel Fuel, Harvest	100%	Gallons	5.497	3.46	19.02	
Repairs and Maintenance, Harvest	100%	Acre	1	16.51	16.51	
Irrigation Energy Cost	100%	Ac-In	30	4.09	122.60	
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.15	4.41	
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	0.981	10.66	10.45	
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 %	4.90	0.0245	14.86	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
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					**$714.59**	
Returns to Operating Expenses					**$221.41**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	51.09	51.09	
Irrigation Equipment		Acre	1	38.29	38.29	
Miscellaneous Overhead; See Note 1		Acre	1	12.77	12.77	
Total Capital Recovery & Unallocated Costs					**$102.16**	
TOTAL SPECIFIED EXPENSES					**$816.75**	
NET RETURNS					**$119.25**	

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

Table 14-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	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	
Roller	38 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	38 ft.	Manage Stubble	

Table 14-C. Rice, Clearfield Seed: Chemical Details

Herbicide Detail

Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	0.92	16.00	14.75	Self-Propelled Sprayer
Newpath	Post Plant, 1st	oz	3.29	4.00	13.16	Custom Aerial Application
Surfactant	with Post Plant, 1st	oz	0.16	12.00	1.97	Custom Aerial Application
Newpath	Post Plant, 2nd	oz	3.29	4.00	13.16	Custom Aerial Application
Aim	Post Plant, 2nd	oz	10.38	1.00	10.38	Custom Aerial Application
Surfactant	with Post Plant, 2nd	oz	0.16	12.00	1.97	Custom Aerial Application
Grandstand	Spray Levees	pt	12.32	0.07	0.83	ATV
Rice Shot	Spray Levees	gal	26.72	0.10	2.67	ATV
Total					**58.88**	

Insecticide Detail

Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.60	4.37	Custom Aerial Application
Total					**4.37**	

Fungicide Detail

Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	12.80	41.73	Custom Aerial Application
Total					**41.73**	

Table 14-D. Rice, Clearfield Seed: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Roller	1.68	0.38	1.46	0.47	3.99	2.00	38.0
Ditcher	0.26	0.05	0.27	0.09	0.67	1.00	NA
Field Cultivator	1.96	0.73	1.48	0.48	4.65	1.00	32.0
Land Plane	2.14	0.55	2.30	0.74	5.74	1.00	17.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Planter Grain Drill	4.00	2.48	2.45	0.85	9.77	1.00	30.0
ATV with Spot, Levee Sprayer	0.02	0.01	0.02	0.03	0.09	1.00	NA
Levee Pull, Planter/Incorporate	0.09	0.02	0.10	0.03	0.24	3.00	NA
Install Gates & Remove	0.14	0.03	0.18	0.23	0.59	All	NA
Take Down Levees, Levee Pull	0.25	0.06	0.27	0.09	0.67	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	1.00	90.0
Harvest							
Combine	22.57	9.59	10.94	2.79	45.89	1.00	NA
Rice Head	2.64	3.72	NA	NA	6.36	1.00	25.0
Grain Cart	8.05	3.21	8.07	2.79	22.13	1.00	NA

Table 15-A. Arkansas Rice Enterprise Budget, Hybrid Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	190.00	5.85	1,111.50	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	120.00	120.00	
Nitrogen	100%	Lbs	124	0.68	84.32	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Agrotain	100%	Qt	0.40	15.75	6.30	
Herbicide	100%	Acre	1	66.70	66.70	
Insecticide	100%	Acre	1	4.37	4.37	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00	
Air Application: Urea	100%	Lbs	200	0.070	14.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.006	3.46	13.86	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	6.85	6.85	
Diesel Fuel, Harvest	100%	Gallons	5.497	3.46	19.02	
Repairs and Maintenance, Harvest	100%	Acre	1	16.51	16.51	
Irrigation Energy Cost	100%	Ac-In	30	4.09	122.60	
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.15	4.41	
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	0.981	10.66	10.45	
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 %	4.90	0.0245	14.12	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
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					**$701.46**	
Returns to Operating Expenses					**$410.04**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	51.09	51.09	
Irrigation Equipment		Acre	1	38.29	38.29	
Miscellaneous Overhead; See Note 1		Acre	1	12.77	12.77	
Total Capital Recovery & Unallocated Costs					**$102.16**	
TOTAL SPECIFIED EXPENSES					**$803.61**	
NET RETURNS					**$307.89**	

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

Table 15-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	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	
Roller	38 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	38 ft.	Manage Stubble	

Table 15-C. Rice, Hybrid Seed: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	0.92	16.00	14.75	Self-Propelled Sprayer
Rice Shot	Post Plant	gal	26.72	1.00	26.72	Custom Aerial Application
Facet	Post Plant	lb	45.50	0.33	15.02	Custom Aerial Application
Crop Oil	with Post Plant	oz	0.21	32.00	6.72	Custom Aerial Application
Grandstand	Spray Levees	pt	12.32	0.07	0.83	ATV
Rice Shot	Spray Levees	gal	26.72	0.10	2.67	ATV
Total					**66.70**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.60	4.37	Custom Aerial Application
Total					**4.37**	

Table 15-D. Rice, Hybrid Seed: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Roller	1.68	0.38	1.46	0.47	3.99	2.00	38.0
Ditcher	0.26	0.05	0.27	0.09	0.67	1.00	NA
Field Cultivator	1.96	0.73	1.48	0.48	4.65	1.00	32.0
Land Plane	2.14	0.55	2.30	0.74	5.74	1.00	17.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Planter Grain Drill	4.00	2.48	2.45	0.85	9.77	1.00	30.0
ATV with Spot, Levee Sprayer	0.02	0.01	0.02	0.03	0.09	1.00	NA
Levee Pull, Planter/Incorporate	0.09	0.02	0.10	0.03	0.24	3.00	NA
Install Gates & Remove	0.14	0.03	0.18	0.23	0.59	All	NA
Take Down Levees, Levee Pull	0.25	0.06	0.27	0.09	0.67	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	1.00	90.0
Harvest							
Combine	22.57	9.59	10.94	2.79	45.89	1.00	NA
Rice Head	2.64	3.72	NA	NA	6.36	1.00	25.0
Grain Cart	8.05	3.21	8.07	2.79	22.13	1.00	NA

Table 16-A. Arkansas Rice Enterprise Budget, Clearfield Hybrid Seed

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	190.00	5.85	1,111.50	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	162.00	162.00	
Nitrogen	100%	Lbs	124	0.68	84.32	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Agrotain	100%	Qt	0.40	15.75	6.30	
Herbicide	100%	Acre	1	58.89	58.89	
Insecticide	100%	Acre	1	4.37	4.37	
Fungicide	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	4	7.00	28.00	
Air Application: Urea	100%	Lbs	200	0.070	14.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.006	3.46	13.86	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	6.85	6.85	
Diesel Fuel, Harvest	100%	Gallons	5.497	3.46	19.02	
Repairs and Maintenance, Harvest	100%	Acre	1	16.51	16.51	
Irrigation Energy Cost	100%	Ac-In	30	4.09	122.60	
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.15	4.41	
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	0.981	10.66	10.45	
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 %	4.90	0.0245	15.13	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
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					**$743.65**	
Returns to Operating Expenses					**$367.85**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	51.09	51.09	
Irrigation Equipment		Acre	1	38.29	38.29	
Miscellaneous Overhead; See Note 1		Acre	1	12.77	12.77	
Total Capital Recovery & Unallocated Costs					**$102.16**	
TOTAL SPECIFIED EXPENSES					**$845.81**	
NET RETURNS					**$265.69**	

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

Table 16-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	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	
Roller	38 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 Head Grain Wagon (700 bu)	305 hp 25 ft Rigid	Harvest Harvest Harvest	
Remove Levees			
Roller	38 ft.	Manage Stubble	

Table 16-C. Rice, Clearfield Hybrid Seed: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	0.92	16.00	14.76	Self-Propelled Sprayer
Newpath	Post Plant, 1st	oz	3.29	4.00	13.16	Custom Aerial Application
Surfactant	with Post Plant, 1st	oz	0.16	12.00	1.97	Custom Aerial Application
Newpath	Post Plant, 2nd	oz	3.29	4.00	13.16	Custom Aerial Application
Aim	Post Plant, 2nd	oz	10.38	1.00	10.38	Custom Aerial Application
Surfactant	with Post Plant, 2nd	oz	0.16	12.00	1.97	Custom Aerial Application
Grandstand	Spray Levees	pt	12.32	0.07	0.83	ATV
Rice Shot	Spray Levees	gal	26.72	0.10	2.67	ATV
Total					**58.89**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.60	4.37	Custom Aerial Application
Total					**4.37**	

Table 16-D. Rice, Clearfield Hybrid Seed: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Roller	1.68	0.38	1.46	0.47	3.99	2.00	38.0
Ditcher	0.26	0.05	0.27	0.09	0.67	1.00	NA
Field Cultivator	1.96	0.73	1.48	0.48	4.65	1.00	32.0
Land Plane	2.14	0.55	2.30	0.74	5.74	1.00	17.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Planter Grain Drill	4.00	2.48	2.45	0.85	9.77	1.00	30.0
ATV with Spot, Levee Sprayer	0.02	0.01	0.02	0.03	0.09	1.00	NA
Levee Pull, Planter/Incorporate	0.09	0.02	0.10	0.03	0.24	3.00	NA
Install Gates & Remove	0.14	0.03	0.18	0.23	0.59	All	NA
Take Down Levees, Levee Pull	0.25	0.06	0.27	0.09	0.67	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	1.00	90.0
Harvest							
Combine	22.57	9.59	10.94	2.79	45.89	1.00	NA
Rice Head	2.64	3.72	NA	NA	6.36	1.00	25.0
Grain Cart	8.05	3.21	8.07	2.79	22.13	1.00	NA

Table 17-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	5.85	994.50	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	31.20	31.20	
Nitrogen	100%	Lbs	152	0.68	103.36	
Phosphate (P2O5)	100%	Lbs	0	0.71	0.00	
Potash (K2O)	100%	Lbs	0	0.53	0.00	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Agrotain	100%	Qt	0.00	15.75	0.00	
Herbicide	100%	Acre	1	60.88	60.88	
Insecticide	100%	Acre	1	4.37	4.37	
Fungicide	100%	Acre	1	41.73	41.73	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	6	7.00	42.00	
Air Application: Urea	100%	Lbs	330	0.070	23.10	
Other Custom Hire, Air Seeeding	100%	Acre	1	12.00	12.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	0.206	3.46	0.71	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	0.65	0.65	
Diesel Fuel, Harvest	100%	Gallons	5.497	3.46	19.02	
Repairs and Maintenance, Harvest	100%	Acre	1	16.51	16.51	
Irrigation Energy Cost	100%	Ac-In	24	4.09	98.08	
Irrigation System Repairs & Maintenance	100%	Ac-In	24	0.15	3.53	
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	10.66	5.82	
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00	
Other Expenses	100%	Acre	1	0.00	0.00	
Crop Insurance	100%	Acre	1	0.00	0.00	
Interest, Annual Rate for 6 Months	100%	Rate %	4.90	0.0245	11.34	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
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					**$573.50**	
Returns to Operating Expenses					**$421.00**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	34.61	34.61	
Irrigation Equipment		Acre	1	30.63	30.63	
Miscellaneous Overhead; See Note 1		Acre	1	8.65	8.65	
Total Capital Recovery & Unallocated Costs					**$73.89**	
TOTAL SPECIFIED EXPENSES					**$647.40**	
NET RETURNS					**$347.10**	

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

Table 17-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 17-C. Rice, Water Seeded: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	pt	1.75	2.00	3.50	Self-Propelled Sprayer
Duet	Post Plant, 1st	gal	35.60	1.00	35.60	Custom Aerial Application
Regiment	Post Plant, 2nd	oz	36.63	0.50	18.32	Custom Aerial Application
2,4 D	Post Flood	pt	2.31	1.50	3.47	Custom Aerial Application
Total					**60.88**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.60	4.37	Custom Aerial Application
Total					**4.37**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	12.80	41.73	Custom Aerial Application
Total					**41.73**	

Table 17-D. Rice, Water Seeded: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Ditcher	0.26	0.05	0.27	0.09	0.67	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	1.00	90.0
Harvest							
Combine	22.57	9.59	10.94	2.79	45.89	1.00	NA
Rice Head	2.64	3.72	NA	NA	6.36	1.00	25.0
Grain Cart	8.05	3.21	8.07	2.79	22.13	1.00	NA

Soybean Budgets

for

2012 Planting

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

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	60.00	11.75	705.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	70.20	70.20	
Nitrogen	100%	Lbs	0	0.68	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	36.71	36.71	
Insecticide	100%	Acre	1	4.91	4.91	
Fungicide	100%	Acre	1	19.56	19.56	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.995	3.46	13.82	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	9.04	9.04	
Diesel Fuel, Harvest	100%	Gallons	2.036	3.46	7.04	
Repairs and Maintenance, Harvest	100%	Acre	1	6.08	6.08	
Irrigation Energy Cost	100%	Ac-In	12	4.09	49.04	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.77	
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	3.31	3.31	
Survey Levees, Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	0.657	10.66	7.00	
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 %	4.90	0.0245	7.42	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	60.00	0.00	0.00	
Hauling	100%	Bu	60.00	0.22	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					**$325.11**	
Returns to Operating Expenses					**$379.89**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	33.02	33.02	
Irrigation Equipment		Acre	1	15.32	15.32	
Miscellaneous Overhead; See Note 1		Acre	1	8.25	8.25	
Total Capital Recovery & Unallocated Costs					**$56.59**	
TOTAL SPECIFIED EXPENSES					**$381.69**	
NET RETURNS					**$323.31**	

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

Table 18-B. Soybean Field Activities, RR, Furrow Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 2 pt Prefix
Irrigation Sweep	26 ft.	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
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 18-C. Soybean, RR, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.11	22.00	2.41	Self-Propelled Sprayer
Valor	Burndown	oz	4.58	2.00	9.16	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	oz	0.11	32.00	3.50	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.28	Self-Propelled Sprayer
Glyphosate Plus	Late Season	oz	0.11	32.00	3.50	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.98	6.00	5.86	Self-Propelled Sprayer
Total					**36.71**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.80	4.91	Custom Aerial Application
Total					**4.91**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	6.00	19.56	Custom Aerial Application
Total					**19.56**	

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

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	2.00	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter Twin Row	4.48	3.19	1.91	0.69	10.27	1.00	38.0
Irrigation Sweep	1.70	0.43	1.60	0.52	4.24	1.00	26.0
Polypipe; Roll Out, Punch, Take Up	0.45	0.07	0.36	0.35	1.23	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	8.36	3.55	4.05	1.03	17.00	1.00	NA
Soybean Head	0.95	1.34	NA	NA	2.30	1.00	30.0
Grain Cart	2.98	1.19	2.99	1.03	8.20	1.00	NA

Table 19-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	11.75	705.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	70.20	70.20	
Nitrogen	100%	Lbs	0	0.68	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	36.71	36.71	
Insecticide	100%	Acre	1	4.91	4.91	
Fungicide	100%	Acre	1	19.56	19.56	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.429	3.46	11.86	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.54	8.54	
Diesel Fuel, Harvest	100%	Gallons	2.036	3.46	7.04	
Repairs and Maintenance, Harvest	100%	Acre	1	6.08	6.08	
Irrigation Energy Cost	100%	Ac-In	12	6.21	74.49	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	1.33	15.92	
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	0.575	10.66	6.13	
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 %	4.90	0.0245	8.22	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	60.00	0.00	0.00	
Hauling	100%	Bu	60.00	0.22	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					**$358.88**	
Returns to Operating Expenses					**$346.12**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	30.87	30.87	
Irrigation Equipment		Acre	1	49.47	49.47	
Miscellaneous Overhead; See Note 1		Acre	1	7.72	7.72	
Total Capital Recovery & Unallocated Costs					**$88.06**	
TOTAL SPECIFIED EXPENSES					**$446.94**	
NET RETURNS					**$258.06**	

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

Table 19-B. Soybean Field Activities, RR, Center Pivot Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	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 19-C. Soybean, RR, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.11	22.00	2.41	Self-Propelled Sprayer
Valor	Burndown	oz	4.58	2.00	9.16	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	oz	0.11	32.00	3.50	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.28	Self-Propelled Sprayer
Glyphosate Plus	Late Season	oz	0.11	32.00	3.50	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.98	6.00	5.86	Self-Propelled Sprayer
Total					**36.71**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.80	4.91	Custom Aerial Application
Total					**4.91**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	6.00	19.56	Custom Aerial Application
Total					**19.56**	

Table 19-D. Soybean, RR, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	2.00	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter Twin Row	4.48	3.19	1.91	0.69	10.27	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	8.36	3.55	4.05	1.03	17.00	1.00	NA
Soybean Head	0.95	1.34	NA	NA	2.30	1.00	30.0
Grain Cart	2.98	1.19	2.99	1.03	8.20	1.00	NA

Table 20-A. Arkansas Soybean Enterprise Budget, RR, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	30.00	11.75	352.50	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	70.20	70.20	
Nitrogen	100%	Lbs	0	0.68	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	36.71	36.71	
Insecticide	100%	Acre	1	4.91	4.91	
Fungicide	100%	Acre	1	19.56	19.56	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.429	3.46	11.86	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.54	8.54	
Diesel Fuel, Harvest	100%	Gallons	2.036	3.46	7.04	
Repairs and Maintenance, Harvest	100%	Acre	1	6.08	6.08	
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	0.575	10.66	6.13	
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 %	4.90	0.0245	6.01	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	30.00	0.00	0.00	
Hauling	100%	Bu	30.00	0.22	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					**$258.75**	
Returns to Operating Expenses					**$93.75**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	30.87	30.87	
Irrigation Equipment		Acre	1	0.00	0.00	
Miscellaneous Overhead; See Note 1		Acre	1	7.72	7.72	
Total Capital Recovery & Unallocated Costs					**$38.58**	
TOTAL SPECIFIED EXPENSES					**$297.34**	
NET RETURNS					**$55.16**	

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

Table 20-B. Soybean Field Activities, RR, No Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	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 20-C. Soybean, RR, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.11	22.00	2.41	Self-Propelled Sprayer
Valor	Burndown	oz	4.58	2.00	9.16	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	oz	0.11	32.00	3.50	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.28	Self-Propelled Sprayer
Glyphosate Plus	Late Season	oz	0.11	32.00	3.50	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.98	6.00	5.86	Self-Propelled Sprayer
Total					**36.71**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.80	4.91	Custom Aerial Application
Total					**4.91**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	6.00	19.56	Custom Aerial Application
Total					**19.56**	

Table 20-D. Soybean, RR, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	2.00	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter Twin Row	4.48	3.19	1.91	0.69	10.27	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	8.36	3.55	4.05	1.03	17.00	1.00	NA
Soybean Head	0.95	1.34	NA	NA	2.30	1.00	30.0
Grain Cart	2.98	1.19	2.99	1.03	8.20	1.00	NA

Table 21-A. Arkansas Soybean Enterprise Budget, RR, Flood Irrigation

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	60.00	11.75	705.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	70.20	70.20	
Nitrogen	100%	Lbs	0	0.68	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	36.71	36.71	
Insecticide	100%	Acre	1	4.91	4.91	
Fungicide	100%	Acre	1	19.56	19.56	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.838	3.46	13.28	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.97	7.97	
Diesel Fuel, Harvest	100%	Gallons	2.036	3.46	7.04	
Repairs and Maintenance, Harvest	100%	Acre	1	6.08	6.08	
Irrigation Energy Cost	100%	Ac-In	12	4.09	49.04	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.77	
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	0.650	10.66	6.92	
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 %	4.90	0.0245	7.44	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	60.00	0.00	0.00	
Hauling	100%	Bu	60.00	0.22	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					**$326.00**	
Returns to Operating Expenses					**$379.00**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	30.81	30.81	
Irrigation Equipment		Acre	1	15.32	15.32	
Miscellaneous Overhead; See Note 1		Acre	1	7.70	7.70	
Total Capital Recovery & Unallocated Costs					**$53.83**	
TOTAL SPECIFIED EXPENSES					**$379.83**	
NET RETURNS					**$325.17**	

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

Table 21-B. Soybean Field Activities, RR, Flood Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Field Cultivator	32 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 2 oz Valor
Field Cultivator	32 ft.	Tillage	
Land Plane	17 ft.	Tillage	N,P,K (0-40-60)
Fertilizer Spreader	30 ft.	Fertilizer	
Grain Drill	30 ft.	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate Plus, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	2 pt Glyphosate 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 21-C. Soybean, RR, Flood Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.11	22.00	2.41	Self-Propelled Sprayer
Valor	Burndown	oz	4.58	2.00	9.16	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	oz	0.11	32.00	3.50	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.28	Self-Propelled Sprayer
Glyphosate Plus	Late Season	oz	0.11	32.00	3.50	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.98	6.00	5.86	Self-Propelled Sprayer
Total					**36.71**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.80	4.91	Custom Aerial Application
Total					**4.91**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	6.00	19.56	Custom Aerial Application
Total					**19.56**	

Table 21-D. Soybean, RR, Flood Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Ditcher	0.26	0.05	0.27	0.09	0.67	1.00	NA
Field Cultivator	1.96	0.73	1.48	0.48	4.65	2.00	32.0
Land Plane	2.14	0.55	2.30	0.74	5.74	1.00	17.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Planter Grain Drill	4.00	2.48	2.45	0.85	9.77	1.00	30.0
Levee Pull	0.08	0.02	0.09	0.03	0.22	2.00	NA
Install Gates & Remove	0.28	0.07	0.36	0.47	1.17	All	NA
Take Down Levees, Levee Pull	0.17	0.04	0.18	0.06	0.45	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	8.36	3.55	4.05	1.03	17.00	1.00	NA
Soybean Head	0.95	1.34	NA	NA	2.30	1.00	30.0
Grain Cart	2.98	1.19	2.99	1.03	8.20	1.00	NA

Table 22-A. Arkansas Soybean Enterprise Budget, LL, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	60.00	11.75	705.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	70.20	70.20	
Nitrogen	100%	Lbs	0	0.68	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	41.45	41.45	
Insecticide	100%	Acre	1	4.91	4.91	
Fungicide	100%	Acre	1	19.56	19.56	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.995	3.46	13.82	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	9.04	9.04	
Diesel Fuel, Harvest	100%	Gallons	2.036	3.46	7.04	
Repairs and Maintenance, Harvest	100%	Acre	1	6.08	6.08	
Irrigation Energy Cost	100%	Ac-In	12	4.09	49.04	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.77	
Supplies (ex. polypipe, levee gates, other)	100%	Acre	1	3.31	3.31	
Survey Levees, Other Inputs	100%	Acre	1	0.00	0.00	
Labor, Field Activities	100%	Hrs	0.657	10.66	7.00	
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 %	4.90	0.0245	7.53	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	60.00	0.00	0.00	
Hauling	100%	Bu	60.00	0.22	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					**$329.96**	
Returns to Operating Expenses					**$375.04**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	33.02	33.02	
Irrigation Equipment		Acre	1	15.32	15.32	
Miscellaneous Overhead; See Note 1		Acre	1	8.25	8.25	
Total Capital Recovery & Unallocated Costs					**$56.59**	
TOTAL SPECIFIED EXPENSES					**$386.55**	
NET RETURNS					**$318.45**	

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

Table 22-B. Soybean Field Activities, LL, Furrow Irrigation

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	22 oz Ignite, 2 pt Prefix
Irrigation Sweep	26 ft.	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	22 oz Ignite
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 22-C. Soybean, LL, Furrow Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.11	22.00	2.41	Self-Propelled Sprayer
Valor	Burndown	oz	4.58	2.00	9.16	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	22.00	8.80	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.28	Self-Propelled Sprayer
Ignite	Late Season	oz	0.40	22.00	8.80	Self-Propelled Sprayer
Total					**41.45**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.80	4.91	Custom Aerial Application
Total					**4.91**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	6.00	19.56	Custom Aerial Application
Total					**19.56**	

Table 22-D. Soybean, LL, Furrow Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	2.00	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter Twin Row	4.48	3.19	1.91	0.69	10.27	1.00	38.0
Irrigation Sweep	1.70	0.43	1.60	0.52	4.24	1.00	26.0
Polypipe; Roll Out, Punch, Take Up	0.45	0.07	0.36	0.35	1.23	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	8.36	3.55	4.05	1.03	17.00	1.00	NA
Soybean Head	0.95	1.34	NA	NA	2.30	1.00	30.0
Grain Cart	2.98	1.19	2.99	1.03	8.20	1.00	NA

Table 23-A. Arkansas Soybean Enterprise Budget, LL, Center Pivot Irrigation

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	60.00	11.75	705.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	70.20	70.20	
Nitrogen	100%	Lbs	0	0.68	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	41.45	41.45	
Insecticide	100%	Acre	1	4.91	4.91	
Fungicide	100%	Acre	1	19.56	19.56	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.429	3.46	11.86	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.54	8.54	
Diesel Fuel, Harvest	100%	Gallons	2.036	3.46	7.04	
Repairs and Maintenance, Harvest	100%	Acre	1	6.08	6.08	
Irrigation Energy Cost	100%	Ac-In	12	6.21	74.49	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	1.33	15.92	
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	0.575	10.66	6.13	
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 %	4.90	0.0245	8.34	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	60.00	0.00	0.00	
Hauling	100%	Bu	60.00	0.22	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					**$363.74**	
Returns to Operating Expenses					**$341.26**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	30.87	30.87	
Irrigation Equipment		Acre	1	49.47	49.47	
Miscellaneous Overhead; See Note 1		Acre	1	7.72	7.72	
Total Capital Recovery & Unallocated Costs					**$88.06**	
TOTAL SPECIFIED EXPENSES					**$451.79**	
NET RETURNS					**$253.21**	

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

Table 23-B. Soybean Field Activities, LL, Center Pivot Irrigation

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	22 oz Ignite, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	22 oz Ignite
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 23-C. Soybean, LL, Center Pivot Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.11	22.00	2.41	Self-Propelled Sprayer
Valor	Burndown	oz	4.58	2.00	9.16	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	22.00	8.80	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.28	Self-Propelled Sprayer
Ignite	Late Season	oz	0.40	22.00	8.80	Self-Propelled Sprayer
Total					**41.45**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.80	4.91	Custom Aerial Application
Total					**4.91**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	6.00	19.56	Custom Aerial Application
Total					**19.56**	

Table 23-D. Soybean, LL, Center Pivot Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	2.00	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter Twin Row	4.48	3.19	1.91	0.69	10.27	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	8.36	3.55	4.05	1.03	17.00	1.00	NA
Soybean Head	0.95	1.34	NA	NA	2.30	1.00	30.0
Grain Cart	2.98	1.19	2.99	1.03	8.20	1.00	NA

Table 24-A. Arkansas Soybean Enterprise Budget, LL, No Irrigation

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	30.00	11.75	352.50	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	70.20	70.20	
Nitrogen	100%	Lbs	0	0.68	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	41.45	41.45	
Insecticide	100%	Acre	1	4.91	4.91	
Fungicide	100%	Acre	1	19.56	19.56	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.429	3.46	11.86	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.54	8.54	
Diesel Fuel, Harvest	100%	Gallons	2.036	3.46	7.04	
Repairs and Maintenance, Harvest	100%	Acre	1	6.08	6.08	
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	0.575	10.66	6.13	
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 %	4.90	0.0245	6.12	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	30.00	0.00	0.00	
Hauling	100%	Bu	30.00	0.22	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					**$263.61**	
Returns to Operating Expenses					**$88.89**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	30.87	30.87	
Irrigation Equipment		Acre	1	0.00	0.00	
Miscellaneous Overhead; See Note 1		Acre	1	7.72	7.72	
Total Capital Recovery & Unallocated Costs					**$38.58**	
TOTAL SPECIFIED EXPENSES					**$302.19**	
NET RETURNS					**$50.31**	

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

Table 24-B. Soybean Field Activities, LL, No Irrigation

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	22 oz Ignite, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	22 oz Ignite
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 24-C. Soybean, LL, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.11	22.00	2.41	Self-Propelled Sprayer
Valor	Burndown	oz	4.58	2.00	9.16	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	22.00	8.80	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.28	Self-Propelled Sprayer
Ignite	Late Season	oz	0.40	22.00	8.80	Self-Propelled Sprayer
Total					**41.45**	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.80	4.91	Custom Aerial Application
Total					**4.91**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	6.00	19.56	Custom Aerial Application
Total					**19.56**	

Table 24-D. Soybean, LL, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Bedder, Hipper	2.54	0.79	2.07	0.67	6.06	2.00	38.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Do All, Seedbed Finisher	1.42	0.49	1.25	0.40	3.57	1.00	38.0
Planter Twin Row	4.48	3.19	1.91	0.69	10.27	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	8.36	3.55	4.05	1.03	17.00	1.00	NA
Soybean Head	0.95	1.34	NA	NA	2.30	1.00	30.0
Grain Cart	2.98	1.19	2.99	1.03	8.20	1.00	NA

Table 25-A. Arkansas Soybean Enterprise Budget, LL, Flood Irrigation

CROP VALUE	**Grower %**	**Unit**	**Yield**	**Price/Unit**	**Revenue**	**Your Farm**
Crop Value	100%	Bu	60.00	11.75	705.00	
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	70.20	70.20	
Nitrogen	100%	Lbs	0	0.68	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	
Potash (K2O)	100%	Lbs	60	0.53	31.80	
Sulfur	100%	Lbs	0	0.33	0.00	
Boron	100%	Lbs	0.00	6.13	0.00	
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	
Herbicide	100%	Acre	1	41.45	41.45	
Insecticide	100%	Acre	1	4.91	4.91	
Fungicide	100%	Acre	1	19.56	19.56	
Other Chemical	100%	Acre	1	0.00	0.00	
Other Chemical	100%	Acre	1	0.00	0.00	
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	
Air Application: Fertilizer & Chemical	100%	Acre	2	7.00	14.00	
Air Application: Urea	100%	Lbs	0	0.070	0.00	
Other Custom Hire, Air Seeeding	100%	Acre	0	12.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.838	3.46	13.28	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.97	7.97	
Diesel Fuel, Harvest	100%	Gallons	2.036	3.46	7.04	
Repairs and Maintenance, Harvest	100%	Acre	1	6.08	6.08	
Irrigation Energy Cost	100%	Ac-In	12	4.09	49.04	
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.15	1.77	
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	0.650	10.66	6.92	
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 %	4.90	0.0245	7.55	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	60.00	0.00	0.00	
Hauling	100%	Bu	60.00	0.22	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					**$330.85**	
Returns to Operating Expenses					**$374.15**	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	30.81	30.81	
Irrigation Equipment		Acre	1	15.32	15.32	
Miscellaneous Overhead; See Note 1		Acre	1	7.70	7.70	
Total Capital Recovery & Unallocated Costs					**$53.83**	
TOTAL SPECIFIED EXPENSES					**$384.68**	
NET RETURNS					**$320.32**	

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

Table 25-B. Soybean Field Activities, LL, Flood Irrigation

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Field Cultivator	32 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	22 oz Glyphosate Plus, 2 oz Valor
Field Cultivator	32 ft.	Tillage	
Land Plane	17 ft.	Tillage	N,P,K (0-40-60)
Fertilizer Spreader	30 ft.	Fertilizer	
Grain Drill	30 ft.	Plant	
Self-Propelled Sprayer	90 ft.	Herbicide	22 oz Ignite, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	22 oz Ignite
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 25-C. Soybean, LL, Flood Irrigation: Chemical Details

Herbicide Detail

Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.11	22.00	2.41	Self-Propelled Sprayer
Valor	Burndown	oz	4.58	2.00	9.16	Self-Propelled Sprayer
Ignite	Post Planting	oz	0.40	22.00	8.80	Self-Propelled Sprayer
Prefix	Post Planting	oz	0.38	32.00	12.28	Self-Propelled Sprayer
Ignite	Late Season	oz	0.40	22.00	8.80	Self-Propelled Sprayer
Total					**41.45**	

Insecticide Detail

Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.73	1.80	4.91	Custom Aerial Application
Total					**4.91**	

Fungicide Detail

Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	3.26	6.00	19.56	Custom Aerial Application
Total					**19.56**	

Table 25-D. Soybean, LL, Flood Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Ditcher	0.26	0.05	0.27	0.09	0.67	1.00	NA
Field Cultivator	1.96	0.73	1.48	0.48	4.65	2.00	32.0
Land Plane	2.14	0.55	2.30	0.74	5.74	1.00	17.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	1.00	30.0
Planter Grain Drill	4.00	2.48	2.45	0.85	9.77	1.00	30.0
Levee Pull	0.08	0.02	0.09	0.03	0.22	2.00	NA
Install Gates & Remove	0.28	0.07	0.36	0.47	1.17	All	NA
Take Down Levees, Levee Pull	0.17	0.04	0.18	0.06	0.45	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.08	0.60	0.45	0.16	2.28	3.00	90.0
Harvest							
Combine	8.36	3.55	4.05	1.03	17.00	1.00	NA
Soybean Head	0.95	1.34	NA	NA	2.30	1.00	30.0
Grain Cart	2.98	1.19	2.99	1.03	8.20	1.00	NA

Wheat Budget

for

2012 Planting

Table 26-A. Arkansas Wheat Enterprise Budget

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	55.00	6.50	357.50	________
						________
OPERATING EXPENSES		**Unit**	**Quantity**	**Price/Unit**	**Costs**	
Seed, Includes All Fees	100%	Acre	1	30.00	30.00	________
Nitrogen	100%	Lbs	115	0.68	78.20	________
Phosphate (P2O5)	100%	Lbs	40	0.71	28.40	________
Potash (K2O)	100%	Lbs	80	0.53	42.40	________
Sulfur	100%	Lbs	12	0.33	3.96	________
Boron	100%	Lbs	0.00	6.13	0.00	________
Other Nutrients, Including Poultry Litter	100%	Unit	0.00	0.00	0.00	________
Herbicide	100%	Acre	1	25.92	25.92	________
Insecticide	100%	Acre	1	0.00	0.00	________
Fungicide	100%	Acre	1	14.77	14.77	________
Other Chemical	100%	Acre	1	0.00	0.00	________
Other Chemical	100%	Acre	1	0.00	0.00	________
Custom Chemical & Fertilizer Applications						
Ground Application: Fertilizer & Chemical	100%	Acre	0	6.00	0.00	________
Air Application: Fertilizer & Chemical	100%	Acre	3	7.00	21.00	________
Air Application: Urea	100%	Lbs	100	0.070	7.00	________
Other Custom Hire, Air Seeding	100%	Acre	0	12.00	0.00	________
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.202	3.46	11.08	________
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	5.82	5.82	________
Diesel Fuel, Harvest	100%	Gallons	3.141	3.46	10.87	________
Repairs and Maintenance, Harvest	100%	Acre	1	8.90	8.90	________
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	0.663	10.66	7.07	________
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 %	4.90	0.0245	7.24	________
Custom Harvest	100%	Acre	0.00	0.00	0.00	________
Post-Harvest Expenses						________
Drying	100%	Bu	55.00	0.00	0.00	________
Hauling	100%	Bu	55.00	0.22	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					**$314.72**	________
Returns to Operating Expenses					**$42.78**	________
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest and Harvest Machinery		Acre	1	32.74	32.74	________
Irrigation Equipment		Acre	1	0.00	0.00	________
Miscellaneous Overhead; See Note 1		Acre	1	8.19	8.19	________
Total Capital Recovery & Unallocated Costs					**$40.93**	________
TOTAL SPECIFIED EXPENSES					**$355.65**	________
NET RETURNS					**$1.85**	

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

Table 26-B. Wheat Field Activities

Field Trip	Width	Activity	
Disk	32 ft.	Tillage	
Fertilizer Spreader	30 ft.	Fertilizer	N,P,K (30-40-80)
Field Cultivator	32 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Ditcher		Tillage	
Grain Drill	30 ft.	Plant	
Fertilizer Spreader	30 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 26-C. Wheat, No Irrigation: Chemical Details

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Axial	Post Planting	oz	0.93	16.40	15.31	Custom Aerial Application
Harmony Extra XP	Post Planting	oz	14.40	0.60	8.64	Custom Aerial Application
Surfactant	with Harmony	oz	0.16	12.00	1.97	Custom Aerial Application
Total					**25.92**	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quilt	0.00	oz	1.06	14.00	14.77	Custom Aerial Application
Total					**14.77**	

Table 26-D. Wheat, No Irrigation: Machinery Capital Recovery, Operating Costs, and Details

	Costs per Acre-Trip, $ per Acre					Details	
Implement	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	2.93	0.97	1.89	0.61	6.40	1.00	32.0
Ditcher	0.26	0.05	0.27	0.09	0.67	1.00	NA
Field Cultivator	1.96	0.73	1.48	0.48	4.65	1.00	32.0
Land Plane	2.14	0.55	2.30	0.74	5.74	1.00	17.0
Fertilizer, Broadcast Spreader	1.41	0.52	1.35	0.56	3.84	2.00	30.0
Planter Grain Drill	4.00	2.48	2.45	0.85	9.77	1.00	30.0
Harvest							
Combine	12.90	5.48	6.25	1.59	26.22	1.00	NA
Wheat/Sorghum Head	1.13	1.58	NA	NA	2.71	1.00	25.0
Grain Cart	4.60	1.83	4.61	1.59	12.64	1.00	NA

Budget Summaries

for

2012 Planting

Table 27. 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)	0.90	6.00	5.28	11.75	5.85	5.85
Total Crop Revenue	**1080.00**	**1050.00**	**580.80**	**705.00**	**994.50**	**1111.50**
Cottonseed Value	**146.28**					
Operating Expenses						
Seed	106.26	113.85	20.15	70.20	25.92	120.00
Fertilizers & Nutrients	126.45	263.76	165.78	60.20	170.81	150.82
Chemicals	102.87	18.66	30.47	61.18	112.80	71.07
Custom Applications	0.00	7.00	0.00	14.00	44.10	35.00
Fuel	42.45	25.20	25.36	20.87	32.88	32.88
Repairs & Maintenance	35.82	21.38	18.75	16.89	27.78	27.78
Irrigation Energy Costs	49.04	61.30	40.87	49.04	122.60	122.60
Labor, Field Activities	17.91	8.44	8.47	7.00	10.45	10.45
Other Inputs & Fees, Pre-harvest	38.73	16.12	10.98	10.73	19.42	19.99
Post-harvest Expenses	146.28	73.50	25.30	15.00	99.20	110.87
Net Operating Expenses	**519.53**	**609.21**	**346.13**	**325.11**	**665.95**	**701.46**
Returns to Operating Expenses	**560.47**	**440.79**	**234.67**	**379.89**	**328.55**	**410.04**
Capital Recovery & Fixed Costs	121.26	69.13	60.74	56.59	102.16	102.16
Total Specified Expenses[1]	**640.79**	**678.33**	**406.87**	**381.69**	**768.11**	**803.61**
Returns to Specified Expenses	**439.21**	**371.67**	**173.93**	**323.31**	**226.39**	**307.89**
Operating Expenses/yield unit	0.43	3.48	3.15	5.42	3.92	3.69
Total Expenses/yield unit	0.53	3.88	3.70	6.36	4.52	4.23

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

Table 28. 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)	0.90	6.00	5.28	11.75
Total Crop Revenue	**1080.00**	**1050.00**	**580.80**	**705.00**
Cottonseed Value	**146.28**			
Operating Expenses				
Seed	106.26	113.85	20.15	70.20
Fertilizers & Nutrients	126.45	263.76	165.78	60.20
Chemicals	102.87	18.66	30.47	61.18
Custom Applications	0.00	7.00	0.00	14.00
Fuel	40.49	23.24	23.40	18.91
Repairs & Maintenance	49.47	38.57	30.05	30.54
Irrigation Energy Costs	74.49	93.12	62.08	74.49
Labor, Field Activities	17.04	7.57	7.60	6.13
Other Inputs & Fees, Pre-harvest	36.23	13.86	8.32	8.22
Post-harvest Expenses	146.28	73.50	25.30	15.00
Net Operating Expenses	**553.31**	**653.13**	**373.15**	**358.88**
Returns to Operating Expenses	**526.69**	**396.87**	**207.65**	**346.12**
Capital Recovery & Fixed Costs	152.73	109.13	86.52	88.06
Total Specified Expenses[1]	**706.04**	**762.26**	**459.66**	**446.94**
Returns to Specified Expenses	**373.96**	**287.74**	**121.14**	**258.06**
Operating Expenses/yield unit	0.46	3.73	3.39	5.98
Total Expenses/yield unit	0.59	4.36	4.18	7.45

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

Table 29. 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)	0.90	6.00	5.28	11.75	6.50
Total Crop Revenue	**720.00**	**750.00**	**369.60**	**352.50**	**357.50**
Cottonseed Value	**97.52**				
Operating Expenses					
Seed	106.26	89.70	13.95	70.20	30.00
Fertilizers & Nutrients	93.79	218.20	152.18	60.20	152.96
Chemicals	91.75	18.66	30.47	61.18	40.69
Custom Applications	0.00	0.00	0.00	14.00	28.00
Fuel	40.04	23.24	23.40	18.91	21.95
Repairs & Maintenance	32.96	18.67	16.78	14.62	14.72
Irrigation Energy Costs	0.00	0.00	0.00	0.00	0.00
Labor, Field Activities	16.88	7.57	7.60	6.13	7.07
Other Inputs & Fees, Pre-harvest	32.91	9.21	5.99	6.01	7.24
Post-harvest Expenses	97.52	52.50	16.10	7.50	12.10
Net Operating Expenses	**414.60**	**437.75**	**266.47**	**258.75**	**314.72**
Returns to Operating Expenses	**305.40**	**312.25**	**103.13**	**93.75**	**42.78**
Capital Recovery & Fixed Costs	101.91	47.29	45.29	38.58	40.93
Total Specified Expenses[1]	**516.50**	**485.05**	**311.76**	**297.34**	**355.65**
Returns to Specified Expenses	**203.50**	**264.95**	**57.84**	**55.16**	**1.85**
Operating Expenses/yield unit	0.52	3.50	3.81	8.63	5.72
Total Expenses/yield unit	0.65	3.88	4.45	9.91	6.47

[1]Does 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 Bank of Kansas City. *Agricultural Finance Databook- Table A.5*, Kansas City, MO, October 2011. Available online: http://www.kansascityfed.org/research/indicatorsdata/agfinance/index.cfm

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.

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.

Mississippi State University. *MS Budget Generator.* Dept. of Agricultural Economics, Mississippi State University, Starkville, MS, November 2011. Available online: http://www.agecon.msstate.edu/what/farm/generator/

U.S. Department of Agriculture, National Agricultural Statistics Service. *Farm Labor.* Washington, DC, November 2011.

USDA-World Agricultural Outlook Board (WAOB). "World Agricultural Supply and Demand Estimates," WASDE-500, Washington, DC, November 2011.

U.S. Department of Commerce, Bureau of Economic Analysis. "Implicit Price Deflators for the Gross Domestic Product." Table 1.1.9, Washington, DC, November 2011. Available online: http://www.bea.gov/national/nipaweb/Index.asp