



DIVISION OF AGRICULTURE

RESEARCH & EXTENSION

University of Arkansas System

2014 Crop Enterprise Budgets

for Arkansas Field Crops Planted in 2014

AG-1292

2014 Crop Enterprise Budgets

AG-1292

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2014 Crop Enterprise Budgets

The Department of Agricultural Economics and Agribusiness (AEAB) develops crop enterprise budgets to assist Arkansas producers and other agricultural stakeholders in evaluating expected costs and returns for the upcoming field crop production year. Production methods analyzed represent typical field activities as determined by consultations with farmers, county agents, and information from Crop Research Verification Program Coordinators in the Department of Crop, Soil, and Environmental Sciences. Actual production practices vary greatly among individual farms due to management preferences and between production years due to climactic conditions. Analyses are for generalized circumstances with a focus on consistent and coordinated application of budget methods for all field crops. This approach results in meaningful costs and returns comparisons for decision making related to acreage allocations among field crops. Presentations in this report should be regarded only as a guide and basis for individual farmers developing budgets for their production practices, soil types, and other unique circumstances. AEAB periodically issues reports devoted to economic comparisons of alternative production practices. These reports offer greater detail for a range of production practices, seeds, and inputs.

Interactive versions of budgets in this report are available online. Users may change selected variables to represent their unique circumstances. Variables available for changing are in white spreadsheet cells. Numbers in red are from formulas that change values as users make changes in white cells. County agents produce budgets representative of unique conditions in their counties. Users should contact their county agents for assistance in developing customized budgets unique to individual farm situations.

Summary of Methods

Methods employed for developing crop enterprise budgets include input prices that are estimated directly from information available from suppliers and other sources, as well as costs estimated from engineering formulas developed by the American Society of Agricultural and Biological Engineers. Operating costs for fertilizers and chemicals are estimated by applying prices to typical input rates. Custom hire rates and fees are estimated with information from industry contacts. Methods of estimating these operating expenses presented in crop enterprise budgets are identical to producers obtaining costs information for their specific farms.

Ownership costs and repair expenses for machinery are estimated by applying engineering formulas to representative prices of new equipment (Givan 1991; Lazarus and Selly 2002). Repair expenses in crop enterprise budgets should be regarded as estimates of full service repairs, and actual cash expenses for repairs may be lower than expenses presented in crop enterprise budgets. Machinery performance rates of field activities utilized for machinery costs are used to estimate time requirements of an activity which is applied to an hourly wage rate for determining labor costs (USDA, NASS 2013). 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 prevailing long-term interest rates (Edwards 2005). Interest rates in this report are from Arkansas lenders as reported in November 2013. Representative prices for machinery and equipment are based on contacts with Arkansas dealers and industry list prices (IRON Solutions 2013).

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 the last week of November 2013 (AFB 2013), and realized prices will vary with continually changing market conditions. AEAB does not have programs for developing commodity price forecasts.

Corn Budgets
for
2014 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	180.00	4.35	783.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	126.06	126.06
Nitrogen	100%	Lbs	223	0.51	113.73
Phosphate (P2O5)	100%	Lbs	60	0.52	31.30
Potash (K2O)	100%	Lbs	90	0.39	34.65
Sulfur	100%	Lbs	24	0.29	6.90
Zinc Sulfate	100%	Lbs	10.00	1.52	15.20
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	20.16	20.16
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.386	3.17	13.90
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	9.55	9.55
Diesel Fuel, Harvest	100%	Gallons	3.230	3.17	10.24
Repairs and Maintenance, Harvest	100%	Acre	1	12.47	12.47
Irrigation Energy Cost	100%	Ac-In	12	3.74	44.93
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.74
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.42	3.42
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	0.938	11.65	10.93
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 %	4.75	0.0238	11.00
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.19	34.20
Hauling	100%	Bu	180.00	0.22	39.60
Check Off, Boards	100%	Bu	180.00	0.01	1.80
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$549.80
Returns to Operating Expenses					\$233.20
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	45.99	45.99
Irrigation Equipment		Acre	1	15.25	15.25
Miscellaneous Overhead; See Note 1		Acre	1	12.68	12.68
Total Capital Recovery & Unallocated Costs					\$73.91
TOTAL SPECIFIED EXPENSES					\$623.71
NET RETURNS					\$159.29

Note 1: Estimate based on machinery and equipment.

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	60 ft.	Fertilizer	Mixed N,P,K,S,Zn (75-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	3.82 thousand seed
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	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Combine	320 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 1-C. Corn, Furrow Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.13	2.00	4.26	Self-Propelled Sprayer
Glyphosate Plus	Second Application	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Atrazine	Second Application	pt	2.13	2.00	4.26	Self-Propelled Sprayer
Total					20.16	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital					No. Field	Feet,
	Recovery	Repairs	Fuel	Labor	Total	Trips	Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Irrigation Sweep	1.96	0.51	1.00	0.39	3.86	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	1.99	0.33	1.57	1.81	5.70	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	14.45	6.20	6.01	1.74	28.40	1.00	NA
Corn Head	2.93	4.24	NA	NA	7.16	1.00	25.0
Grain Cart	5.07	2.04	4.23	1.74	13.08	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	180.00	4.35	783.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	126.06	126.06
Nitrogen	100%	Lbs	223	0.51	113.73
Phosphate (P2O5)	100%	Lbs	60	0.52	31.30
Potash (K2O)	100%	Lbs	90	0.39	34.65
Sulfur	100%	Lbs	24	0.29	6.90
Zinc Sulfate	100%	Lbs	10.00	1.52	15.20
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	20.16	20.16
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.576	3.17	11.34
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.72	8.72
Diesel Fuel, Harvest	100%	Gallons	3.230	3.17	10.24
Repairs and Maintenance, Harvest	100%	Acre	1	12.47	12.47
Irrigation Energy Cost	100%	Ac-In	12	5.69	68.25
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.80	9.58
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	0.806	11.65	9.39
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 %	4.75	0.0238	11.52
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	180.00	0.19	34.20
Hauling	100%	Bu	180.00	0.22	39.60
Check Off, Boards	100%	Bu	180.00	0.01	1.80
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$572.10
Returns to Operating Expenses					\$210.90
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	42.03	42.03
Irrigation Equipment		Acre	1	59.87	59.87
Miscellaneous Overhead; See Note 1		Acre	1	28.02	28.02
Total Capital Recovery & Unallocated Costs					\$129.92
TOTAL SPECIFIED EXPENSES					\$702.03
NET RETURNS					\$80.97

Note 1: Estimate based on machinery and equipment.

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	60 ft.	Fertilizer	Mixed N,P,K,S,Zn (75-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	3.82 thousand seed
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	320 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 2-C. Corn, Center Pivot Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.13	2.00	4.26	Self-Propelled Sprayer
Glyphosate Plus	Second Application	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Atrazine	Second Application	pt	2.13	2.00	4.26	Self-Propelled Sprayer
Total					20.16	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	14.45	6.20	6.01	1.74	28.40	1.00	NA
Corn Head	2.93	4.24	NA	NA	7.16	1.00	25.0
Grain Cart	5.07	2.04	4.23	1.74	13.08	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	4.35	543.75
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	99.32	99.32
Nitrogen	100%	Lbs	156	0.55	85.80
Phosphate (P2O5)	100%	Lbs	60	0.52	31.30
Potash (K2O)	100%	Lbs	90	0.39	34.65
Sulfur	100%	Lbs	24	0.29	6.90
Zinc Sulfate	100%	Lbs	10.00	1.52	15.20
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	20.16	20.16
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Other Chemical	100%	Acre	1	0.00	0.00
Custom Chemical & Fertilizer Applications					
Ground Application: Fertilizer & Chemical	100%	Acre	0	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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.576	3.17	11.34
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.72	8.72
Diesel Fuel, Harvest	100%	Gallons	3.230	3.17	10.24
Repairs and Maintenance, Harvest	100%	Acre	1	12.47	12.47
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	0.710	11.65	8.27
Scouting/Consultant Fee	100%	Acre	1	0.00	0.00
Other Expenses	100%	Acre	1	0.00	0.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	4.75	0.0238	8.18
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					\$405.05
Returns to Operating Expenses					\$138.70
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	42.03	42.03
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 1		Acre	1	10.51	10.51
Total Capital Recovery & Unallocated Costs					\$52.54
TOTAL SPECIFIED EXPENSES					\$457.59
NET RETURNS					\$86.16

Note 1: Estimate based on machinery and equipment.

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	60 ft.	Fertilizer	Mixed N,P,K,S,Zn (50-60-90-24-10)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	3.82 thousand seed
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	320 hp	Harvest	
Corn Head	8 Row	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 3-C. Corn, No Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.13	2.00	4.26	Self-Propelled Sprayer
Glyphosate Plus	Second Application	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Atrazine	Second Application	pt	2.13	2.00	4.26	Self-Propelled Sprayer
Total					20.16	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	14.45	6.20	6.01	1.74	28.40	1.00	NA
Corn Head	2.93	4.24	NA	NA	7.16	1.00	25.0
Grain Cart	5.07	2.04	4.23	1.74	13.08	1.00	NA

Cotton Budgets
for
2014 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	0.70	840.00
Cottonseed Value	100%	Ton	0.900	161.20	145.08
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	112.86	112.86
Nitrogen	100%	Lbs	94	0.55	51.70
Phosphate (P2O5)	100%	Lbs	30	0.52	15.60
Potash (K2O)	100%	Lbs	60	0.39	23.40
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	4.00	4.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	51.62	51.62
Insecticide	100%	Acre	1	22.10	22.10
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.30	1.30
Defoliant	100%	Acre	1	15.24	15.24
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.363	3.17	20.17
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.95	15.95
Diesel Fuel, Harvest	100%	Gallons	6.238	3.17	19.78
Repairs and Maintenance, Harvest	100%	Acre	1	20.58	20.58
Irrigation Energy Cost	100%	Ac-In	12	3.74	44.93
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.74
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.42	3.42
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	1.842	11.65	21.46
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	4.75	0.0238	11.25
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$484.99
Returns to Operating Expenses					\$355.01
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	90.80	90.80
Irrigation Equipment		Acre	1	15.25	15.25
Miscellaneous Overhead; See Note 4		Acre	1	23.88	23.88
Total Capital Recovery & Unallocated Costs					\$129.93
TOTAL SPECIFIED EXPENSES					\$614.92
NET RETURNS					\$225.08

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

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

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

Note 4: Estimate based on machinery and equipment.

Table 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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	1.17 thousand seed
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
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	

Table 4-C. Cotton, B2RF, Furrow Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.63	8.00	5.04	Self-Propelled Sprayer
Cotoran	At Planting	pt	5.38	1.60	8.61	Self-Propelled Sprayer
Gramoxone	At Planting	oz	0.20	32.00	6.40	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	1.50	2.91	Hooded Sprayer
Valor	Post Planting	oz	4.38	2.00	8.76	Hooded Sprayer
Total					51.62	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.85	2.00	7.70	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.90	6.00	5.40	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Total					22.10	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.05	6.00	0.30	Self-Propelled Sprayer
Mepex	Second Application	oz	0.05	8.00	0.40	Self-Propelled Sprayer
Mepex	Third Application	oz	0.05	12.00	0.60	Self-Propelled Sprayer
Total					1.30	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp (generic)	First Defoliation	oz	0.83	2.00	1.66	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.49	6.00	2.94	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.49	8.00	3.92	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.14	42.00	5.88	Self-Propelled Sprayer
Total					15.24	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Irrigation Sweep	1.96	0.51	1.00	0.39	3.86	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	1.99	0.33	1.57	1.81	5.70	1.00	NA
Hooded Sprayer	2.19	0.82	1.50	0.58	5.08	1.00	38.0
Mower, Stalk Shredder	3.17	1.82	2.31	0.94	8.24	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	9.00	90.0
ATV with Spot, Levee Sprayer							NA
Other Self-Propelled							
Harvest							
Cotton Picker	40.57	15.84	8.65	2.29	67.35	1.00	19.0
Boll Buggy	7.06	2.23	5.56	2.29	17.15	1.00	19.0
Module Builder	7.61	2.51	5.56	6.88	22.55	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	0.70	840.00
Cottonseed Value	100%	Ton	0.900	161.20	145.08
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	112.86	112.86
Nitrogen	100%	Lbs	94	0.55	51.70
Phosphate (P2O5)	100%	Lbs	30	0.52	15.60
Potash (K2O)	100%	Lbs	60	0.39	23.40
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	4.00	4.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	51.62	51.62
Insecticide	100%	Acre	1	22.10	22.10
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.30	1.30
Defoliant	100%	Acre	1	15.24	15.24
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.553	3.17	17.60
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.12	15.12
Diesel Fuel, Harvest	100%	Gallons	6.238	3.17	19.78
Repairs and Maintenance, Harvest	100%	Acre	1	20.58	20.58
Irrigation Energy Cost	100%	Ac-In	12	5.69	68.25
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.80	9.58
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	1,709	11.65	19.91
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	4.75	0.0238	11.77
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$507.30
Returns to Operating Expenses					\$332.70
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	86.85	86.85
Irrigation Equipment		Acre	1	59.87	59.87
Miscellaneous Overhead; See Note 4		Acre	1	39.22	39.22
Total Capital Recovery & Unallocated Costs					\$185.94
TOTAL SPECIFIED EXPENSES					\$693.24
NET RETURNS					\$146.76

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

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

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

Note 4: Estimate based on machinery and equipment.

Table 5-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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	1.17 thousand seed
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
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: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.63	8.00	5.04	Self-Propelled Sprayer
Cotoran	At Planting	pt	5.38	1.60	8.61	Self-Propelled Sprayer
Gramoxone	At Planting	oz	0.20	32.00	6.40	Planter
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	1.50	2.91	Hooded Sprayer
Valor	Post Planting	oz	4.38	2.00	8.76	Hooded Sprayer
Total					51.62	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.85	2.00	7.70	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.90	6.00	5.40	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Total					22.10	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.05	6.00	0.30	Self-Propelled Sprayer
Mepex	Second Application	oz	0.05	8.00	0.40	Self-Propelled Sprayer
Mepex	Third Application	oz	0.05	12.00	0.60	Self-Propelled Sprayer
Total					1.30	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp (generic)	First Defoliation	oz	0.83	2.00	1.66	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.49	6.00	2.94	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.49	8.00	3.92	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.14	42.00	5.88	Self-Propelled Sprayer
Total					15.24	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Hooded Sprayer	2.19	0.82	1.50	0.58	5.08	1.00	38.0
Mower, Stalk Shredder	3.17	1.82	2.31	0.94	8.24	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	9.00	90.0
Harvest							
Cotton Picker	40.57	15.84	8.65	2.29	67.35	1.00	19.0
Boll Buggy	7.06	2.23	5.56	2.29	17.15	1.00	19.0
Module Builder	7.61	2.51	5.56	6.88	22.55	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	0.70	560.00
Cottonseed Value	100%	Ton	0.600	161.20	96.72
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	112.86	112.86
Nitrogen	100%	Lbs	72	0.53	38.16
Phosphate (P2O5)	100%	Lbs	20	0.52	10.40
Potash (K2O)	100%	Lbs	40	0.39	15.60
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	4.00	4.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	51.62	51.62
Insecticide	100%	Acre	1	22.10	22.10
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	0.70	0.70
Defoliant	100%	Acre	1	8.10	8.10
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.424	3.17	17.19
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	14.49	14.49
Diesel Fuel, Harvest	100%	Gallons	6.238	3.17	19.78
Repairs and Maintenance, Harvest	100%	Acre	1	20.58	20.58
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	1.599	11.65	18.62
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	4.75	0.0238	9.05
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	800.00	0.09	72.00
Storage and Warehousing	100%	Bale	1.60	10.50	16.80
Promotions, Boards, Classing	100%	Bale	1.60	4.95	7.92
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$390.15
Returns to Operating Expenses					\$169.85
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	85.74	85.74
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 4		Acre	1	21.43	21.43
Total Capital Recovery & Unallocated Costs					\$107.17
TOTAL SPECIFIED EXPENSES					\$497.32
NET RETURNS					\$62.68

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

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

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

Note 4: Estimate based on machinery and equipment.

Table 6-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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-20-40-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	1.17 thousand seed
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
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: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.63	8.00	5.04	Self-Propelled Sprayer
Cotoran	At Planting	pt	5.38	1.60	8.61	Planter
Gramoxone	At Planting	oz	0.20	32.00	6.40	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	1.50	2.91	Hooded Sprayer
Total					51.62	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.85	2.00	7.70	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.90	6.00	5.40	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Total					22.10	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	Only One Application	oz	0.05	14.00	0.70	Self-Propelled Sprayer
Total					0.70	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Ginstar	Only One Defoliation	oz	1.17	5.00	5.85	Self-Propelled Sprayer
Finish	Only One Defoliation	oz	0.45	5.00	2.25	Self-Propelled Sprayer
Total					8.10	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Hooded Sprayer	2.19	0.82	1.50	0.58	5.08	1.00	38.0
Mower, Stalk Shredder	3.17	1.82	2.31	0.94	8.24	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	8.00	90.0
Harvest							
Cotton Picker	40.57	15.84	8.65	2.29	67.35	1.00	19.0
Boll Buggy	7.06	2.23	5.56	2.29	17.15	1.00	19.0
Module Builder	7.61	2.51	5.56	6.88	22.55	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	0.70	840.00
Cottonseed Value	100%	Ton	0.900	161.20	145.08
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	110.63	110.63
Nitrogen	100%	Lbs	94	0.55	51.70
Phosphate (P2O5)	100%	Lbs	30	0.52	15.60
Potash (K2O)	100%	Lbs	60	0.39	23.40
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	4.00	4.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	86.14	86.14
Insecticide	100%	Acre	1	22.10	22.10
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.25	1.25
Defoliant	100%	Acre	1	15.24	15.24
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.363	3.17	20.17
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.95	15.95
Diesel Fuel, Harvest	100%	Gallons	6.238	3.17	19.78
Repairs and Maintenance, Harvest	100%	Acre	1	20.58	20.58
Irrigation Energy Cost	100%	Ac-In	12	3.74	44.93
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.74
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.42	3.42
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	1.842	11.65	21.46
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	4.75	0.0238	12.02
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$517.99
Returns to Operating Expenses					\$322.01
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	90.80	90.80
Irrigation Equipment		Acre	1	15.25	15.25
Miscellaneous Overhead; See Note 4		Acre	1	23.88	23.88
Total Capital Recovery & Unallocated Costs					\$129.93
TOTAL SPECIFIED EXPENSES					\$647.92
NET RETURNS					\$192.08

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

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

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

Note 4: Estimate based on machinery and equipment.

Table 7-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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	1.17 thousand seed
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	24 oz Liberty, 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	

Table 7-C. Cotton, B2LL, Furrow Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.63	8.00	5.04	Self-Propelled Sprayer
Gramoxone	At Planting	oz	0.20	32.00	6.24	Self-Propelled Sprayer
Cotoran	At Planting	pt	5.38	1.60	8.60	Planter
Liberty	Post Planting	oz	0.63	24.00	15.12	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	24.00	15.12	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	24.00	15.12	Hooded Sprayer
Valor	Post Planting	oz	4.38	2.00	8.76	Hooded Sprayer
Total					86.14	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.85	2.00	7.70	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.90	6.00	5.40	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Total					22.10	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.05	6.00	0.29	Self-Propelled Sprayer
Mepex	Second Application	oz	0.05	8.00	0.38	Self-Propelled Sprayer
Mepex	Third Application	oz	0.05	12.00	0.58	Self-Propelled Sprayer
Total					1.25	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp (generic)	First Defoliation	oz	0.83	2.00	1.66	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.49	6.00	2.94	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.49	8.00	3.92	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.14	42.00	5.88	Self-Propelled Sprayer
Total					15.24	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Irrigation Sweep	1.96	0.51	1.00	0.39	3.86	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	1.99	0.33	1.57	1.81	5.70	1.00	NA
Hooded Sprayer	2.19	0.82	1.50	0.58	5.08	1.00	38.0
Mower, Stalk Shredder	3.17	1.82	2.31	0.94	8.24	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	9.00	90.0
Harvest							
Cotton Picker	40.57	15.84	8.65	2.29	67.35	1.00	19.0
Boll Buggy	7.06	2.23	5.56	2.29	17.15	1.00	19.0
Module Builder	7.61	2.51	5.56	6.88	22.55	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	0.70	840.00
Cottonseed Value	100%	Ton	0.900	161.20	145.08
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	110.63	110.63
Nitrogen	100%	Lbs	94	0.55	51.70
Phosphate (P2O5)	100%	Lbs	30	0.52	15.60
Potash (K2O)	100%	Lbs	60	0.39	23.40
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	4.00	4.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	86.31	86.31
Insecticide	100%	Acre	1	22.10	22.10
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.30	1.30
Defoliant	100%	Acre	1	15.24	15.24
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.553	3.17	17.60
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.12	15.12
Diesel Fuel, Harvest	100%	Gallons	6.238	3.17	19.78
Repairs and Maintenance, Harvest	100%	Acre	1	20.58	20.58
Irrigation Energy Cost	100%	Ac-In	12	5.69	68.25
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.80	9.58
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	1,709	11.65	19.91
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	4.75	0.0238	12.54
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$540.53
Returns to Operating Expenses					\$299.47
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	86.85	86.85
Irrigation Equipment		Acre	1	59.87	59.87
Miscellaneous Overhead; See Note 4		Acre	1	39.22	39.22
Total Capital Recovery & Unallocated Costs					\$185.94
TOTAL SPECIFIED EXPENSES					\$726.47
NET RETURNS					\$113.53

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

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

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

Note 4: Estimate based on machinery and equipment.

Table 8-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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	1.17 thousand seed
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	24 oz Liberty, 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: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.63	8.00	5.04	Self-Propelled Sprayer
Gramoxone	At Planting	oz	0.20	32.00	6.40	Self-Propelled Sprayer
Cotoran	At Planting	pt	5.38	1.60	8.61	Planter
Liberty	Post Planting	oz	0.63	24.00	15.12	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	24.00	15.12	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	24.00	15.12	Hooded Sprayer
Valor	Post Planting	oz	4.38	2.00	8.76	Hooded Sprayer
Total					86.31	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.85	2.00	7.70	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.90	6.00	5.40	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Total					22.10	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.05	6.00	0.30	Self-Propelled Sprayer
Mepex	Second Application	oz	0.05	8.00	0.40	Self-Propelled Sprayer
Mepex	Third Application	oz	0.05	12.00	0.60	Self-Propelled Sprayer
Total					1.30	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp (generic)	First Defoliation	oz	0.83	2.00	1.66	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.49	6.00	2.94	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.49	8.00	3.92	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.14	42.00	5.88	Self-Propelled Sprayer
Total					15.24	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Hooded Sprayer	2.19	0.82	1.50	0.58	5.08	1.00	38.0
Mower, Stalk Shredder	3.17	1.82	2.31	0.94	8.24	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	9.00	90.0
Harvest							
Cotton Picker	40.57	15.84	8.65	2.29	67.35	1.00	19.0
Boll Buggy	7.06	2.23	5.56	2.29	17.15	1.00	19.0
Module Builder	7.61	2.51	5.56	6.88	22.55	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	0.70	560.00
Cottonseed Value	100%	Ton	0.600	161.20	96.72
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	110.63	110.63
Nitrogen	100%	Lbs	72	0.53	38.16
Phosphate (P2O5)	100%	Lbs	20	0.52	10.40
Potash (K2O)	100%	Lbs	40	0.39	15.60
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	4.00	4.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	86.31	86.31
Insecticide	100%	Acre	1	22.10	22.10
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	0.70	0.70
Defoliant	100%	Acre	1	8.10	8.10
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	5.424	3.17	17.19
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	14.49	14.49
Diesel Fuel, Harvest	100%	Gallons	6.238	3.17	19.78
Repairs and Maintenance, Harvest	100%	Acre	1	20.58	20.58
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	0	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	1.599	11.65	18.62
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	4.75	0.0238	9.82
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	800.00	0.09	72.00
Storage and Warehousing	100%	Bale	1.60	10.50	16.80
Promotions, Boards, Classing	100%	Bale	1.60	4.95	7.92
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$423.38
Returns to Operating Expenses					\$136.62
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	85.74	85.74
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 4		Acre	1	21.43	21.43
Total Capital Recovery & Unallocated Costs					\$107.17
TOTAL SPECIFIED EXPENSES					\$530.55
NET RETURNS					\$29.45

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

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

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

Note 4: Estimate based on machinery and equipment.

Table 9-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	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-20-40-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	1.17 thousand seed
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Liberty, 1 pt Dual
Knife Rig	12 Row	Fertilizer	12 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	24 oz Liberty, 1 pt Dual, 2 oz Centric
Hooded Sprayer	12 Row	Herbicide	24 oz Liberty, 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: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.63	8.00	5.04	Self-Propelled Sprayer
Gramoxone	At Planting	oz	0.20	32.00	6.40	Self-Propelled Sprayer
Cotoran	At Planting	pt	5.38	1.60	8.61	Planter
Liberty	Post Planting	oz	0.63	24.00	15.12	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	24.00	15.12	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	24.00	15.12	Hooded Sprayer
Valor	Post Planting	oz	4.38	2.00	8.76	Hooded Sprayer
Total					86.31	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.85	2.00	7.70	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.90	6.00	5.40	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Total					22.10	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	Only One Application	oz	0.05	14.00	0.70	Self-Propelled Sprayer
Total					0.70	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Ginstar	Only One Defoliation	oz	1.17	5.00	5.85	Self-Propelled Sprayer
Finish	Only One Defoliation	oz	0.45	5.00	2.25	Self-Propelled Sprayer
Total					8.10	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Hooded Sprayer	2.19	0.82	1.50	0.58	5.08	1.00	38.0
Mower, Stalk Shredder	3.17	1.82	2.31	0.94	8.24	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	8.00	90.0
Harvest							
Cotton Picker	40.57	15.84	8.65	2.29	67.35	1.00	19.0
Boll Buggy	7.06	2.23	5.56	2.29	17.15	1.00	19.0
Module Builder	7.61	2.51	5.56	6.88	22.55	1.00	19.0

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Lbs	1,200.00	0.70	840.00
Cottonseed Value	100%	Ton	0.900	161.20	145.08
OPERATING EXPENSES		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees; See Note 1	100%	Acre	1	55.58	55.58
Nitrogen	100%	Lbs	94	0.55	51.70
Phosphate (P2O5)	100%	Lbs	30	0.52	15.60
Potash (K2O)	100%	Lbs	60	0.39	23.40
Sulfur	100%	Lbs	10	0.29	2.90
Boron	100%	Lbs	1.00	4.00	4.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	44.83	44.83
Insecticide	100%	Acre	1	45.70	45.70
Nematicide	100%	Acre	1	0.00	0.00
Growth Regulator	100%	Acre	1	1.30	1.30
Defoliant	100%	Acre	1	15.24	15.24
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	6.363	3.17	20.17
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	15.95	15.95
Diesel Fuel, Harvest	100%	Gallons	6.238	3.17	19.78
Repairs and Maintenance, Harvest	100%	Acre	1	20.58	20.58
Irrigation Energy Cost	100%	Ac-In	12	3.74	44.93
Irrigation System Repairs & Maintenance	100%	Ac-In	12	0.23	2.74
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.42	3.42
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	1.842	11.65	21.46
Scouting/Consultant Fee	100%	Acre	1	10.00	10.00
Boll Weevil Eradication Fee; See Note 2	100%	Acre	1	14.00	14.00
Crop Insurance	100%	Acre	1	0.00	0.00
Interest, Annual Rate for 6 Months	100%	Rate %	4.75	0.0238	10.29
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses; See Note 3					
Hauling, Ginning	100%	Lbs	1,200.00	0.09	108.00
Storage and Warehousing	100%	Bale	2.40	10.50	25.20
Promotions, Boards, Classing	100%	Bale	2.40	4.95	11.88
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$443.56
Returns to Operating Expenses					\$396.44
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	90.80	90.80
Irrigation Equipment		Acre	1	15.25	15.25
Miscellaneous Overhead; See Note 4		Acre	1	23.88	23.88
Total Capital Recovery & Unallocated Costs					\$129.93
TOTAL SPECIFIED EXPENSES					\$573.49
NET RETURNS					\$266.51

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

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

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

Note 4: Estimate based on machinery and equipment.

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

Field Trip	Width	Activity	Conventional
Paratill, 1/3 of land	6 Row	Fall Tillage	
Hipper, 2/3 of land	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	2 pt Glyphosate Plus, 8 oz Banvel
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K,S,B (30-30-60-10-1)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	1.17 thousand seed
Self-Propelled Sprayer	90 ft.	Herbicide at Planting	1.6 pt Cotoran, 32 oz Gramoxone
Self-Propelled Sprayer	90 ft.	Herbicide	1 pt Dual
Knife Rig	12 Row	Fertilizer	18 gal UAN 32%
Self-Propelled Sprayer	90 ft.	Herbicide, Insecticide	1 pt Dual, 2 oz Centric
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Hooded Sprayer	12 Row	Herbicide	32 oz. Glyphosate, 2 oz Valor
Self-Propelled Sprayer	90 ft.	Insecticide, Growth Regulator	0.75 lbs Acephate, 2 oz Belt, 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, 2 oz. Belt, 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	

Table 10-C. Cotton, Conventional, Furrow Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Banvel	Spring Burndown	oz	0.63	8.00	5.04	Self-Propelled Sprayer
Cotoran	At Planting	pt	5.38	1.60	8.61	Self-Propelled Sprayer
Gramoxone	At Planting	oz	0.20	32.00	6.40	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.00	4.13	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Valor	Post Planting	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Total					44.83	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Centric	With Herbicide	oz	3.85	2.00	7.70	Self-Propelled Sprayer
Acephate	With GR (1)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Bidrin	With GR (2)	oz	0.90	6.00	5.40	Self-Propelled Sprayer
Acephate	With GR (3)	lbs	6.00	0.75	4.50	Self-Propelled Sprayer
Belt	0.00	oz	5.90	2.00	11.80	Self-Propelled Sprayer
Belt	0.00	oz	5.90	2.00	11.80	Self-Propelled Sprayer
Total					45.70	

Growth Regulator Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Mepex	First Application	oz	0.05	6.00	0.30	Self-Propelled Sprayer
Mepex	Second Application	oz	0.05	8.00	0.40	Self-Propelled Sprayer
Mepex	Third Application	oz	0.05	12.00	0.60	Self-Propelled Sprayer
Total					1.30	

Defoliant Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Dropp (generic)	First Defoliation	oz	0.83	2.00	1.66	Self-Propelled Sprayer
Folex	First Defoliation	oz	0.49	6.00	2.94	Self-Propelled Sprayer
Prep	First Defoliation	oz	0.14	6.00	0.84	Self-Propelled Sprayer
Folex	Second Defoliation	oz	0.49	8.00	3.92	Self-Propelled Sprayer
Prep	Second Defoliation	oz	0.14	42.00	5.88	Self-Propelled Sprayer
Total					15.24	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Fertilizer, Knife Rig	3.15	1.31	1.50	0.74	6.69	1.00	38.0
Irrigation Sweep	1.96	0.51	1.00	0.39	3.86	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	1.99	0.33	1.57	1.81	5.70	1.00	NA
Hooded Sprayer	2.19	0.82	1.50	0.58	5.08	1.00	38.0
Mower, Stalk Shredder	3.17	1.82	2.31	0.94	8.24	1.00	20.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	9.00	90.0
Harvest							
Cotton Picker	40.57	15.84	8.65	2.29	67.35	1.00	19.0
Boll Buggy	7.06	2.23	5.56	2.29	17.15	1.00	19.0
Module Builder	7.61	2.51	5.56	6.88	22.55	1.00	19.0

Grain Sorghum
Budgets for
2014 Planting

Table 11-A. Arkansas Grain Sorghum Enterprise Budget, Furrow Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	110.00	4.20	462.00	_____
OPERATING EXPENSES						_____
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	23.21	23.21	_____
Nitrogen	100%	Lbs	111	0.45	49.95	_____
Phosphate (P2O5)	100%	Lbs	60	0.52	31.20	_____
Potash (K2O)	100%	Lbs	90	0.39	35.10	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	_____
Herbicide	100%	Acre	1	15.40	15.40	_____
Insecticide	100%	Acre	1	3.00	3.00	_____
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	165	0.070	11.55	_____
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00	_____
Machinery and Equipment						_____
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.578	3.17	14.51	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	9.39	9.39	_____
Diesel Fuel, Harvest	100%	Gallons	3.141	3.17	9.96	_____
Repairs and Maintenance, Harvest	100%	Acre	1	10.46	10.46	_____
Irrigation Energy Cost	100%	Ac-In	10	3.74	37.44	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.23	2.28	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.42	3.42	_____
Other Inputs	100%	Acre	1	0.00	0.00	_____
Labor	100%	Hrs	0.935	11.65	10.90	_____
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 %	4.75	0.0238	6.36	_____
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					\$299.42	_____
Returns to Operating Expenses					\$162.58	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						_____
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	44.03	44.03	_____
Irrigation Equipment		Acre	1	13.20	13.20	_____
Miscellaneous Overhead; See Note 1		Acre	1	12.08	12.08	_____
Total Capital Recovery & Unallocated Costs					\$69.31	_____
TOTAL SPECIFIED EXPENSES					\$368.73	_____
NET RETURNS					\$93.27	_____

Note 1: Estimate based on machinery and equipment.

Table 11-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	60 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	3.57 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	60 ft.	Fertilizer	165 Lbs Urea (46-0-0)
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	2.5 pt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 11-C. Grain Sorghum, Furrow Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.50	6.20	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.13	2.50	5.33	Self-Propelled Sprayer
Total					15.40	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.28	3.00	Self-Propelled Sprayer
Total					3.00	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	2.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Irrigation Sweep	1.96	0.51	1.00	0.39	3.86	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	1.99	0.33	1.57	1.81	5.70	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	4.00	90.0
Harvest							
Combine	14.45	6.20	6.01	1.74	28.40	1.00	NA
Wheat/Sorghum Head	1.53	2.22	NA	NA	3.75	1.00	25.0
Grain Cart	5.07	2.04	4.23	1.74	13.08	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	110.00	4.20	462.00	_____
OPERATING EXPENSES						_____
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	23.21	23.21	_____
Nitrogen	100%	Lbs	111	0.45	49.95	_____
Phosphate (P2O5)	100%	Lbs	60	0.52	31.20	_____
Potash (K2O)	100%	Lbs	90	0.39	35.10	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	_____
Herbicide	100%	Acre	1	15.40	15.40	_____
Insecticide	100%	Acre	1	3.00	3.00	_____
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	165	0.070	11.55	_____
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00	_____
Machinery and Equipment						_____
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.622	3.17	11.48	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.56	8.56	_____
Diesel Fuel, Harvest	100%	Gallons	3.141	3.17	9.96	_____
Repairs and Maintenance, Harvest	100%	Acre	1	10.46	10.46	_____
Irrigation Energy Cost	100%	Ac-In	10	6.46	64.60	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.80	7.98	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	_____
Other Inputs	100%	Acre	1	0.00	0.00	_____
Labor	100%	Hrs	0.793	11.65	9.24	_____
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 %	4.75	0.0238	6.93	_____
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					\$323.91	_____
Returns to Operating Expenses					\$138.09	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						_____
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	40.08	40.08	_____
Irrigation Equipment		Acre	1	50.39	50.39	_____
Miscellaneous Overhead; See Note 1		Acre	1	27.25	27.25	_____
Total Capital Recovery & Unallocated Costs					\$117.71	_____
TOTAL SPECIFIED EXPENSES					\$441.62	_____
NET RETURNS					\$20.38	_____

Note 1: Estimate based on machinery and equipment.

Table 12-B. 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	60 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	3.57 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	60 ft.	Fertilizer	165 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	2.5 pt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 12-C. Grain Sorghum, Center Pivot Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.50	6.20	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.13	2.50	5.33	Self-Propelled Sprayer
Total					15.40	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.28	3.00	Self-Propelled Sprayer
Total					3.00	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	2.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	4.00	90.0
Harvest							
Combine	14.45	6.20	6.01	1.74	28.40	1.00	NA
Wheat/Sorghum Head	1.53	2.22	NA	NA	3.75	1.00	25.0
Grain Cart	5.07	2.04	4.23	1.74	13.08	1.00	NA

Table 13-A. Arkansas Grain Sorghum Enterprise Budget, No Irrigation

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	70.00	4.20	294.00	_____
OPERATING EXPENSES						_____
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	16.07	16.07	_____
Nitrogen	100%	Lbs	91	0.45	40.95	_____
Phosphate (P2O5)	100%	Lbs	60	0.52	31.20	_____
Potash (K2O)	100%	Lbs	90	0.39	35.10	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	_____
Herbicide	100%	Acre	1	15.40	15.40	_____
Insecticide	100%	Acre	1	3.00	3.00	_____
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	122	0.070	8.54	_____
Other Custom Hire, Air Seeding	100%	Acre	0	7.00	0.00	_____
Machinery and Equipment						_____
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.622	3.17	11.48	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.56	8.56	_____
Diesel Fuel, Harvest	100%	Gallons	3.230	3.17	10.24	_____
Repairs and Maintenance, Harvest	100%	Acre	1	10.46	10.46	_____
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	_____
Other Inputs	100%	Acre	1	0.00	0.00	_____
Labor	100%	Hrs	0.713	11.65	8.31	_____
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 %	4.75	0.0238	4.73	_____
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					\$220.13	_____
Returns to Operating Expenses					\$73.87	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						_____
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	40.08	40.08	_____
Irrigation Equipment		Acre	1	0.00	0.00	_____
Miscellaneous Overhead; See Note 1		Acre	1	10.02	10.02	_____
Total Capital Recovery & Unallocated Costs					\$50.09	_____
TOTAL SPECIFIED EXPENSES					\$270.22	_____
NET RETURNS					\$23.78	_____

Note 1: Estimate based on machinery and equipment.

Table 13-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	60 ft.	Fertilizer	Mixed N,P,K (35-60-90)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter	12 Row	Plant	3.57 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	1.5 pt Dual
Fertilizer Spreader	60 ft.	Fertilizer	122 Lbs Urea (46-0-0)
Self-Propelled Sprayer	90 ft.	Herbicide	2.5 pt Atrazine
Self-Propelled Sprayer	90 ft.	Insecticide	1.28 oz Karate
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 13-C. Grain Sorghum, No Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Spring Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Dual (generic)	Post Planting	pt	4.13	1.50	6.20	Self-Propelled Sprayer
Atrazine	Post Planting	pt	2.13	2.50	5.33	Self-Propelled Sprayer
Total					15.40	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.28	3.00	Self-Propelled Sprayer
Total					3.00	

Table 13-D. Grain Sorghum, No Irrigation: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Paratill	5.12	1.97	4.01	1.55	12.65	0.33	19.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	1.67	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	2.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter	3.57	2.33	1.75	0.75	8.39	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	4.00	90.0
Harvest							
Combine	14.45	6.20	6.01	1.74	28.40	1.00	NA
Wheat/Sorghum Head	1.53	2.22	NA	NA	3.75	1.00	25.0
Grain Cart	5.07	2.04	4.23	1.74	13.08	1.00	NA

Rice Budgets
for
2014 Planting

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	180.00	6.25	1,125.00	_____
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	33.84	33.84	_____
Nitrogen	100%	Lbs	152	0.45	68.40	_____
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	_____
Potash (K2O)	100%	Lbs	60	0.39	23.40	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Agrotain	100%	Qts	0.46	18.37	8.45	_____
Herbicide	100%	Acre	1	69.25	69.25	_____
Insecticide	100%	Acre	1	3.74	3.74	_____
Fungicide	100%	Acre	1	22.02	22.02	_____
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	7.00	0.00	_____
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.749	3.17	15.05	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.38	7.38	_____
Diesel Fuel, Harvest	100%	Gallons	5.652	3.17	17.92	_____
Repairs and Maintenance, Harvest	100%	Acre	1	21.44	21.44	_____
Irrigation Energy Cost	100%	Ac-In	30	3.74	112.33	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.23	6.84	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.64	0.64	_____
Survey Levees	100%	Acre	1	4.50	4.50	_____
Labor	100%	Hrs	1,152	11.65	13.43	_____
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 %	4.75	0.0238	11.72	_____
Custom Harvest	100%	Acre	0.00	0.00	0.00	_____
Post-Harvest Expenses						
Drying	100%	Bu	180.00	0.35	63.00	_____
Hauling	100%	Bu	180.00	0.22	39.60	_____
Check Off, Boards	100%	Bu	180.00	0.01	2.43	_____
Cash Rent		Acre	1.00	0.00	0.00	_____
Total Operating Expenses					\$610.28	_____
Returns to Operating Expenses					\$514.72	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	59.93	59.93	_____
Irrigation Equipment		Acre	1	33.65	33.65	_____
Miscellaneous Overhead; See Note 1		Acre	1	16.57	16.57	_____
Total Capital Recovery & Unallocated Costs					\$110.15	_____
TOTAL SPECIFIED EXPENSES					\$720.42	_____
NET RETURNS					\$404.58	_____

Note 1: Estimate based on machinery and equipment.

Table 14-B. Rice Field Activities, Conventional Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	0.47 lbs seed
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	16 oz Command
Make Levees, Plant Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0), 0.46 qt Agrotain treated
ATV, Spray Levees		Herbicide	0.67 pt Grandstand, 1 gal Rice Shot (Propanil)
Flood Field			
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table 14-C. Rice, Conventional Seed: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	1.05	16.00	16.80	Self-Propelled Sprayer
Rice Shot	Post Plant	gal	31.00	1.00	31.00	Custom Aerial Application
Facet	Post Plant	lb	44.00	0.33	14.52	Custom Aerial Application
Crop Oil	with Post Plant	oz	0.09	32.00	2.88	Custom Aerial Application
Grandstand	Spray Levees	pt	14.13	0.07	0.95	ATV
Rice Shot	Spray Levees	gal	31.00	0.10	3.10	ATV
Total					69.25	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.60	3.74	Custom Aerial Application
Total					3.74	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	12.80	22.02	Custom Aerial Application
Total					22.02	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital					No. Field	Feet,
	Recovery	Repairs	Fuel	Labor	Total	Trips	Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Roller	1.75	0.39	1.34	0.52	3.99	2.00	38.0
Ditcher	0.15	0.03	0.13	0.05	0.36	1.00	NA
Field Cultivator	2.08	0.76	1.36	0.52	4.73	1.00	32.0
Land Plane	2.25	0.55	2.11	0.81	5.72	1.00	17.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Planter Grain Drill	3.77	2.21	2.24	0.92	9.15	1.00	30.0
Levee Pull, Planter/Incorporate	0.50	0.12	0.43	0.17	1.22	3.00	NA
Levee Roller-Packer-Shaper							NA
Install Gates & Remove	0.53	0.12	0.60	0.69	1.94	All	NA
Take Down Levees, Levee Pull	1.25	0.30	1.19	0.46	3.20	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	1.00	90.0
ATV with Spot, Levee Sprayer	0.07	0.05	0.09	0.15	0.36	1.00	NA
Harvest							
Combine	25.29	10.84	10.52	3.05	49.70	1.00	NA
Rice Head	4.86	7.03	NA	NA	11.88	1.00	25.0
Grain Cart	8.86	3.57	7.40	3.05	22.88	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	180.00	6.25	1,125.00	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	74.88	74.88	
Nitrogen	100%	Lbs	152	0.45	68.40	
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	
Potash (K2O)	100%	Lbs	60	0.39	23.40	
Sulfur	100%	Lbs	0	0.29	0.00	
Boron	100%	Lbs	0.00	4.00	0.00	
Agrotain	100%	Qts	0.46	18.37	8.45	
Herbicide	100%	Acre	1	52.93	52.93	
Insecticide	100%	Acre	1	3.74	3.74	
Fungicide	100%	Acre	1	22.02	22.02	
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	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.749	3.17	15.05	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.38	7.38	
Diesel Fuel, Harvest	100%	Gallons	5.652	3.17	17.92	
Repairs and Maintenance, Harvest	100%	Acre	1	17.98	17.98	
Irrigation Energy Cost	100%	Ac-In	30	3.74	112.33	
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.23	6.84	
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.64	0.64	
Survey Levees	100%	Acre	1	4.50	4.50	
Labor	100%	Hrs	1,152	11.65	13.43	
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 %	4.75	0.0238	12.39	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	180.00	0.35	63.00	
Hauling	100%	Bu	180.00	0.22	39.60	
Check Off, Boards	100%	Bu	180.00	0.01	2.43	
Cash Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					\$639.20	
Returns to Operating Expenses					\$485.80	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	59.93	59.93	
Irrigation Equipment		Acre	1	33.65	33.65	
Miscellaneous Overhead; See Note 1		Acre	1	16.57	16.57	
Total Capital Recovery & Unallocated Costs					\$110.15	
TOTAL SPECIFIED EXPENSES					\$749.35	
NET RETURNS					\$375.65	

Note 1: Estimate based on machinery and equipment.

Table 15-B. Rice Field Activities, Clearfield Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	1.04 lbs seed
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	16 oz Command
Make Levees, Plant Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	4 oz Newpath, surfacant
Custom Aerial Application		Herbicide	4 oz Newpath, surfacant, 1 oz Aim
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0), 0.46 qt Agrotain treated
ATV, Spray Levees		Herbicide	0.67 pt Grandstand, 1 gal Rice Shot (Propanil)
Flood Field			
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 15-C. Rice, Clearfield Seed: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	1.05	16.00	16.80	Self-Propelled Sprayer
Newpath	Post Plant, 1st	oz	3.24	4.00	12.96	Custom Aerial Application
Surfactant	with Post Plant, 1st	oz	0.09	12.00	1.08	Custom Aerial Application
Newpath	Post Plant, 2nd	oz	3.24	4.00	12.96	Custom Aerial Application
Aim	Post Plant, 2nd	oz	4.00	1.00	4.00	Custom Aerial Application
Surfactant	with Post Plant, 2nd	oz	0.09	12.00	1.08	Custom Aerial Application
Grandstand	Spray Levees	pt	14.13	0.07	0.95	ATV
Rice Shot	Spray Levees	gal	31.00	0.10	3.10	ATV
Total					52.93	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.60	3.74	Custom Aerial Application
Total					3.74	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	12.80	22.02	Custom Aerial Application
Total					22.02	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Roller	1.75	0.39	1.34	0.52	3.99	2.00	38.0
Ditcher	0.15	0.03	0.13	0.05	0.36	1.00	NA
Field Cultivator	2.08	0.76	1.36	0.52	4.73	1.00	32.0
Land Plane	2.25	0.55	2.11	0.81	5.72	1.00	17.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Planter Grain Drill	3.77	2.21	2.24	0.92	9.15	1.00	30.0
Levee Pull, Planter/Incorporate	0.50	0.12	0.43	0.17	1.22	3.00	NA
Install Gates & Remove	0.53	0.12	0.60	0.69	1.94	All	NA
Take Down Levees, Levee Pull	1.25	0.30	1.19	0.46	3.20	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	1.00	90.0
ATV with Spot, Levee Sprayer	0.07	0.05	0.09	0.15	0.36	1.00	NA
Harvest							
Combine	25.29	10.84	10.52	3.05	49.70	1.00	NA
Rice Head	4.86	7.03	NA	NA	11.88	1.00	25.0
Grain Cart	8.86	3.57	7.40	3.05	22.88	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	180.00	6.25	1,125.00	_____
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	125.03	125.03	_____
Nitrogen	100%	Lbs	124	0.45	55.80	_____
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	_____
Potash (K2O)	100%	Lbs	60	0.39	23.40	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Agrotain	100%	Qts	0.40	18.37	7.35	_____
Herbicide	100%	Acre	1	69.25	69.25	_____
Insecticide	100%	Acre	1	3.74	3.74	_____
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	7.00	0.00	_____
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.749	3.17	15.05	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.38	7.38	_____
Diesel Fuel, Harvest	100%	Gallons	5.652	3.17	17.92	_____
Repairs and Maintenance, Harvest	100%	Acre	1	21.44	21.44	_____
Irrigation Energy Cost	100%	Ac-In	30	3.74	112.33	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.23	6.84	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.64	0.64	_____
Survey Levees	100%	Acre	1	4.50	4.50	_____
Labor	100%	Hrs	1,152	11.65	13.43	_____
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 %	4.75	0.0238	12.82	_____
Custom Harvest	100%	Acre	0.00	0.00	0.00	_____
Post-Harvest Expenses						
Drying	100%	Bu	180.00	0.35	63.00	_____
Hauling	100%	Bu	180.00	0.22	39.60	_____
Check Off, Boards	100%	Bu	180.00	0.01	2.43	_____
Cash Rent		Acre	1.00	0.00	0.00	_____
Total Operating Expenses					\$657.75	_____
Returns to Operating Expenses					\$467.25	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	59.93	59.93	_____
Irrigation Equipment		Acre	1	33.65	33.65	_____
Miscellaneous Overhead; See Note 1		Acre	1	16.57	16.57	_____
Total Capital Recovery & Unallocated Costs					\$110.15	_____
TOTAL SPECIFIED EXPENSES					\$767.90	_____
NET RETURNS					\$357.10	_____

Note 1: Estimate based on machinery and equipment.

Table 16-B. Rice Field Activities, Hybrid Seed

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	5.46 lbs seed
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	16 oz Command
Make Levees, Plant Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil
Custom Aerial Application		Fertilizer	200 lb Urea (46-0-0), 0.40 qt Agrotain treated
ATV, Spray Levees		Herbicide	0.67 pt Grandstand, 1 gal Rice Shot (Propanil)
Flood Field			
Custom Aerial Application		Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table 16-C. Rice, Hybrid Seed: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	1.05	16.00	16.80	Self-Propelled Sprayer
Rice Shot	Post Plant	gal	31.00	1.00	31.00	Custom Aerial Application
Facet	Post Plant	lb	44.00	0.33	14.52	Custom Aerial Application
Crop Oil	with Post Plant	oz	0.09	32.00	2.88	Custom Aerial Application
Grandstand	Spray Levees	pt	14.13	0.07	0.95	ATV
Rice Shot	Spray Levees	gal	31.00	0.10	3.10	ATV
Total					69.25	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.60	3.74	Custom Aerial Application
Total					3.74	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Roller	1.75	0.39	1.34	0.52	3.99	2.00	38.0
Ditcher	0.15	0.03	0.13	0.05	0.36	1.00	NA
Field Cultivator	2.08	0.76	1.36	0.52	4.73	1.00	32.0
Land Plane	2.25	0.55	2.11	0.81	5.72	1.00	17.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Planter Grain Drill	3.77	2.21	2.24	0.92	9.15	1.00	30.0
Levee Pull, Planter/Incorporate	0.50	0.12	0.43	0.17	1.22	3.00	NA
Install Gates & Remove	0.53	0.12	0.60	0.69	1.94	All	NA
Take Down Levees, Levee Pull	1.25	0.30	1.19	0.46	3.20	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	1.00	90.0
ATV with Spot, Levee Sprayer	0.07	0.05	0.09	0.15	0.36	1.00	NA
Harvest							
Combine	25.29	10.84	10.52	3.05	49.70	1.00	NA
Rice Head	4.86	7.03	NA	NA	11.88	1.00	25.0
Grain Cart	8.86	3.57	7.40	3.05	22.88	1.00	NA

Table 17-A. Arkansas Rice Enterprise Budget, Clearfield Hybrid Seed

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	180.00	6.25	1,125.00	_____
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	145.00	145.00	_____
Nitrogen	100%	Lbs	124	0.45	55.80	_____
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	_____
Potash (K2O)	100%	Lbs	60	0.39	23.40	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Agrotain	100%	Qts	0.40	18.37	7.35	_____
Herbicide	100%	Acre	1	52.93	52.93	_____
Insecticide	100%	Acre	1	3.74	3.74	_____
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	7.00	0.00	_____
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.749	3.17	15.05	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	7.38	7.38	_____
Diesel Fuel, Harvest	100%	Gallons	5.652	3.17	17.92	_____
Repairs and Maintenance, Harvest	100%	Acre	1	21.44	21.44	_____
Irrigation Energy Cost	100%	Ac-In	30	3.74	112.33	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	30	0.23	6.84	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.64	0.64	_____
Survey Levees	100%	Acre	1	4.50	4.50	_____
Labor	100%	Hrs	1,152	11.65	13.43	_____
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 %	4.75	0.0238	13.08	_____
Custom Harvest	100%	Acre	0.00	0.00	0.00	_____
Post-Harvest Expenses						
Drying	100%	Bu	180.00	0.35	63.00	_____
Hauling	100%	Bu	180.00	0.22	39.60	_____
Check Off, Boards	100%	Bu	180.00	0.01	2.43	_____
Cash Rent		Acre	1.00	0.00	0.00	_____
Total Operating Expenses					\$668.65	_____
Returns to Operating Expenses					\$456.35	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	59.93	59.93	_____
Irrigation Equipment		Acre	1	33.65	33.65	_____
Miscellaneous Overhead; See Note 1		Acre	1	16.57	16.57	_____
Total Capital Recovery & Unallocated Costs					\$110.15	_____
TOTAL SPECIFIED EXPENSES					\$778.80	_____
NET RETURNS					\$346.20	_____

Note 1: Estimate based on machinery and equipment.

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

Field Trip	Width	Activity	
Disk	32 ft.	Fall Tillage	
Land Plane	17 ft.	Fall Tillage	
Ditcher		Fall	
Field Cultivator	36 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	Mixed N,P,K (0-40-60)
Grain Drill	30 ft.	Plant	5.8 lbs seed
Roller	32 ft.	Compact Soil	
Self-Propelled Sprayer	90 ft.	Herbicide	16 oz Command
Make Levees, Plant Levees		Three Round-Trips	
Levee Gates		Total Season Activities	
Custom Aerial Application		Herbicide	4 oz Newpath, surfacant
Custom Aerial Application		Herbicide	4 oz Newpath, surfacant, 1 oz Aim
Custom Aerial Application		Fertilizer	200 lb Urea (46-0-0), 0.40 qt Agrotain treated
ATV, Spray Levees		Herbicide	0.67 pt Grandstand, 1 gal Rice Shot (Propanil)
Flood Field			
Custom Aerial Application		Fertilizer	70 lb Urea (46-0-0)
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	
Remove Levees			
Roller	32 ft.	Manage Stubble	

Table 17-C. Rice, Clearfield Hybrid Seed: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Command	Preflood	oz	1.05	16.00	16.80	Self-Propelled Sprayer
Newpath	Post Plant, 1st	oz	3.24	4.00	12.96	Custom Aerial Application
Surfactant	with Post Plant, 1st	oz	0.09	12.00	1.08	Custom Aerial Application
Newpath	Post Plant, 2nd	oz	3.24	4.00	12.96	Custom Aerial Application
Aim	Post Plant, 2nd	oz	4.00	1.00	4.00	Custom Aerial Application
Surfactant	with Post Plant, 2nd	oz	0.09	12.00	1.08	Custom Aerial Application
Grandstand	Spray Levees	pt	14.13	0.07	0.95	ATV
Rice Shot	Spray Levees	gal	31.00	0.10	3.10	ATV
Total					52.93	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.60	3.74	Custom Aerial Application
Total					3.74	

Table 17-D. Rice, Clearfield Hybrid Seed: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Roller	1.75	0.39	1.34	0.52	3.99	2.00	38.0
Ditcher	0.15	0.03	0.13	0.05	0.36	1.00	NA
Field Cultivator	2.08	0.76	1.36	0.52	4.73	1.00	32.0
Land Plane	2.25	0.55	2.11	0.81	5.72	1.00	17.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Planter Grain Drill	3.77	2.21	2.24	0.92	9.15	1.00	30.0
Levee Pull, Planter/Incorporate	0.50	0.12	0.43	0.17	1.22	3.00	NA
Install Gates & Remove	0.53	0.12	0.60	0.69	1.94	All	NA
Take Down Levees, Levee Pull	1.25	0.30	1.19	0.46	3.20	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	1.00	90.0
ATV with Spot, Levee Sprayer	0.07	0.05	0.09	0.15	0.36	1.00	NA
Harvest							
Combine	25.29	10.84	10.52	3.05	49.70	1.00	NA
Rice Head	4.86	7.03	NA	NA	11.88	1.00	25.0
Grain Cart	8.86	3.57	7.40	3.05	22.88	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	180.00	6.25	1,125.00	_____
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	39.60	39.60	_____
Nitrogen	100%	Lbs	152	0.45	68.40	_____
Phosphate (P2O5)	100%	Lbs	0	0.52	0.00	_____
Potash (K2O)	100%	Lbs	0	0.39	0.00	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	15.75	0.00	_____
Herbicide	100%	Acre	1	46.95	46.95	_____
Insecticide	100%	Acre	1	7.49	7.49	_____
Fungicide	100%	Acre	1	22.02	22.02	_____
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 Seeding	100%	Lbs.	120	0.07	8.40	_____
Machinery and Equipment						_____
Diesel Fuel, Pre-Post Harvest	100%	Gallons	0.170	3.17	0.54	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	0.66	0.66	_____
Diesel Fuel, Harvest	100%	Gallons	5.652	3.17	17.92	_____
Repairs and Maintenance, Harvest	100%	Acre	1	21.44	21.44	_____
Irrigation Energy Cost	100%	Ac-In	24	3.74	89.86	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	24	0.23	5.48	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	_____
Survey Levees	100%	Acre	1	0.00	0.00	_____
Labor	100%	Hrs	0.593	11.65	6.91	_____
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 %	4.75	0.0238	9.52	_____
Custom Harvest	100%	Acre	0.00	0.00	0.00	_____
Post-Harvest Expenses						_____
Drying	100%	Bu	180.00	0.35	63.00	_____
Hauling	100%	Bu	180.00	0.22	39.60	_____
Check Off, Boards	100%	Bu	180.00	0.01	2.43	_____
Cash Rent		Acre	1.00	0.00	0.00	_____
Total Operating Expenses					\$515.30	_____
Returns to Operating Expenses					\$609.70	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	40.27	40.27	_____
Irrigation Equipment		Acre	1	27.51	27.51	_____
Miscellaneous Overhead; See Note 1		Acre	1	11.44	11.44	_____
Total Capital Recovery & Unallocated Costs					\$79.22	_____
TOTAL SPECIFIED EXPENSES					\$594.53	_____
NET RETURNS					\$530.47	_____

Note 1: Estimate based on machinery and equipment.

Table 18-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	0.33 lbs seed
Custom Aerial Application		Herbicide	1 gal Duet
Custom Aerial Application		Herbicide	0.5 oz Regiment
Custom Aerial Application		Fertilizer	230 lb Urea (46-0-0)
Flood Field			
Custom Aerial Application		Insecticide	1.6 oz Karate
Custom Aerial Application		Herbicide	1.5 pt 2,4-D
Custom Aerial Application		Fertilizer	100 lb Urea (46-0-0)
Custom Aerial Application		Fungicide	12.8 oz Quadris
Custom Aerial Application		Insecticide	1.6 oz Karate
Drain Field			
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 18-C. Rice, Water Seeded: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	pt	1.94	2.00	3.88	Self-Propelled Sprayer
Duet	Post Plant, 1st	gal	39.00	1.00	39.00	Custom Aerial Application
Regiment	Post Plant, 2nd	oz	2.49	0.50	1.25	Custom Aerial Application
2,4 D	Post Flood	pt	1.88	1.50	2.82	Custom Aerial Application
Total					46.95	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate		oz	2.34	1.60	3.74	Custom Aerial Application
Karate		oz	2.34	1.60	3.74	Custom Aerial Application
Total					7.49	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	12.80	22.02	Custom Aerial Application
Total					22.02	

Table 18-D. Rice, Water Seeded: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Ditcher	0.15	0.03	0.13	0.05	0.36	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	1.00	90.0
Harvest							
Combine	25.29	10.84	10.52	3.05	49.70	1.00	NA
Rice Head	4.86	7.03	NA	NA	11.88	1.00	25.0
Grain Cart	8.86	3.57	7.40	3.05	22.88	1.00	NA

Soybean
Budgets for
2014 Planting

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	50.00	11.80	590.00	_____
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	78.60	78.60	_____
Nitrogen	100%	Lbs	0	0.45	0.00	_____
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	_____
Potash (K2O)	100%	Lbs	60	0.39	23.40	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	_____
Herbicide	100%	Acre	1	32.76	32.76	_____
Insecticide	100%	Acre	1	4.21	4.21	_____
Fungicide	100%	Acre	1	10.32	10.32	_____
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	7.00	0.00	_____
Machinery and Equipment						_____
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.240	3.17	13.44	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	11.06	11.06	_____
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96	_____
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43	_____
Irrigation Energy Cost	100%	Ac-In	10	3.74	37.44	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.23	2.28	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.42	3.42	_____
Survey Levees	100%	Acre	1	0.00	0.00	_____
Labor	100%	Hrs	0.836	11.65	9.74	_____
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 %	4.75	0.0238	6.60	_____
Custom Harvest	100%	Acre	0.00	0.00	0.00	_____
Post-Harvest Expenses						_____
Drying	100%	Bu	50.00	0.00	0.00	_____
Hauling	100%	Bu	50.00	0.22	11.00	_____
Check Off, Boards	100%	Bu	50.00	0.03	1.50	_____
Cash Rent		Acre	1.00	0.00	0.00	_____
Total Operating Expenses					\$296.97	_____
Returns to Operating Expenses					\$293.03	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	41.66	41.66	_____
Irrigation Equipment		Acre	1	13.20	13.20	_____
Miscellaneous Overhead; See Note 1		Acre	1	11.48	11.48	_____
Total Capital Recovery & Unallocated Costs					\$66.34	_____
TOTAL SPECIFIED EXPENSES					\$363.31	_____
NET RETURNS					\$226.69	_____

Note 1: Estimate based on machinery and equipment.

Table 19-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)	32 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	1.31 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate Plus, 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate Plus, 6 oz Flexstar
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 19-C. Soybean, RR, Furrow Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Glyphosate Plus	Late Season	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.33	6.00	1.98	Self-Propelled Sprayer
Total					32.76	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	2.00	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter Twin Row	5.76	4.42	1.75	0.75	12.68	1.00	38.0
Irrigation Sweep	1.96	0.51	1.00	0.39	3.86	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	1.99	0.33	1.57	1.81	5.70	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	50.00	11.80	590.00	_____
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	78.60	78.60	_____
Nitrogen	100%	Lbs	0	0.45	0.00	_____
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	_____
Potash (K2O)	100%	Lbs	60	0.39	23.40	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	_____
Herbicide	100%	Acre	1	32.76	32.76	_____
Insecticide	100%	Acre	1	4.21	4.21	_____
Fungicide	100%	Acre	1	10.32	10.32	_____
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	7.00	0.00	_____
Machinery and Equipment						_____
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.429	3.17	10.87	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	10.23	10.23	_____
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96	_____
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43	_____
Irrigation Energy Cost	100%	Ac-In	10	5.69	56.87	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.80	7.98	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	_____
Survey Levees	100%	Acre	1	0.00	0.00	_____
Labor	100%	Hrs	0.694	11.65	8.09	_____
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 %	4.75	0.0238	6.99	_____
Custom Harvest	100%	Acre	0.00	0.00	0.00	_____
Post-Harvest Expenses						_____
Drying	100%	Bu	50.00	0.00	0.00	_____
Hauling	100%	Bu	50.00	0.22	11.00	_____
Check Off, Boards	100%	Bu	50.00	0.03	1.50	_____
Cash Rent		Acre	1.00	0.00	0.00	_____
Total Operating Expenses					\$314.02	_____
Returns to Operating Expenses					\$275.98	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	37.70	37.70	_____
Irrigation Equipment		Acre	1	50.39	50.39	_____
Miscellaneous Overhead; See Note 1		Acre	1	26.66	26.66	_____
Total Capital Recovery & Unallocated Costs					\$114.75	_____
TOTAL SPECIFIED EXPENSES					\$428.77	_____
NET RETURNS					\$161.23	_____

Note 1: Estimate based on machinery and equipment.

Table 20-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)	32 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	1.31 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate Plus, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate Plus, 6 oz Flexstar
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 20-C. Soybean, RR, Center Pivot Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Glyphosate Plus	Late Season	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.33	6.00	1.98	Self-Propelled Sprayer
Total					32.76	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

Table 20-D. Soybean, RR, Centr Pivot Irrigation: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	2.00	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter Twin Row	5.76	4.42	1.75	0.75	12.68	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	30.00	11.80	354.00	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	78.60	78.60	
Nitrogen	100%	Lbs	0	0.45	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	
Potash (K2O)	100%	Lbs	60	0.39	23.40	
Sulfur	100%	Lbs	0	0.29	0.00	
Boron	100%	Lbs	0.00	4.00	0.00	
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	
Herbicide	100%	Acre	1	32.76	32.76	
Insecticide	100%	Acre	1	4.21	4.21	
Fungicide	100%	Acre	1	10.32	10.32	
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	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.429	3.17	10.87	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	10.23	10.23	
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96	
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43	
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00	
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00	
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	
Survey Levees	100%	Acre	1	0.00	0.00	
Labor	100%	Hrs	0.614	11.65	7.16	
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 %	4.75	0.0238	5.43	
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					\$241.67	
Returns to Operating Expenses					\$112.33	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	37.70	37.70	
Irrigation Equipment		Acre	1	0.00	0.00	
Miscellaneous Overhead; See Note 1		Acre	1	9.43	9.43	
Total Capital Recovery & Unallocated Costs					\$47.13	
TOTAL SPECIFIED EXPENSES					\$288.80	
NET RETURNS					\$65.20	

Note 1: Estimate based on machinery and equipment.

Table 21-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)	32 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	1.31 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate Plus, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate Plus, 6 oz Flexstar
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 21-C. Soybean, RR, No Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Glyphosate Plus	Late Season	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.33	6.00	1.98	Self-Propelled Sprayer
Total					32.76	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

Table 21-D. Soybean, RR, No Irrigation: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	2.00	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter Twin Row	5.76	4.42	1.75	0.75	12.68	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	50.00	11.80	590.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	78.60	78.60
Nitrogen	100%	Lbs	0	0.45	0.00
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80
Potash (K2O)	100%	Lbs	60	0.39	23.40
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	4.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	32.76	32.76
Insecticide	100%	Acre	1	4.21	4.21
Fungicide	100%	Acre	1	10.32	10.32
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.471	3.17	14.17
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.43	8.43
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43
Irrigation Energy Cost	100%	Ac-In	10	3.74	37.44
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.23	2.28
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.64	0.64
Survey Levees	100%	Acre	1	3.00	3.00
Labor	100%	Hrs	0.834	11.65	9.71
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 %	4.75	0.0238	6.56
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	50.00	0.00	0.00
Hauling	100%	Bu	50.00	0.22	11.00
Check Off, Boards	100%	Bu	50.00	0.03	1.50
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$295.22
Returns to Operating Expenses					\$294.78
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	37.66	37.66
Irrigation Equipment		Acre	1	13.20	13.20
Miscellaneous Overhead; See Note 1		Acre	1	10.49	10.49
Total Capital Recovery & Unallocated Costs					\$61.35
TOTAL SPECIFIED EXPENSES					\$356.57
NET RETURNS					\$233.43

Note 1: Estimate based on machinery and equipment.

Table 22-B. Soybean Field Activities, RR, Flood Irrigation

Field Trip	Width	Activity	RR
Disk	32 ft.	Fall Tillage	
Field Cultivator	36 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate Plus, 2 oz Valor
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	N,P,K (0-40-60)
Fertilizer Spreader	60 ft.	Fertilizer	
Grain Drill	30 ft.	Plant	1.31 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz Glyphosate Plus, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	32 oz 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	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 22-C. Soybean, RR, Flood Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Glyphosate Plus	Post Planting	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Glyphosate Plus	Late Season	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.33	6.00	1.98	Self-Propelled Sprayer
Total					32.76	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Ditcher	0.15	0.03	0.13	0.05	0.36	1.00	NA
Field Cultivator	2.08	0.76	1.36	0.52	4.73	2.00	32.0
Land Plane	2.25	0.55	2.11	0.81	5.72	1.00	17.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Planter Grain Drill	3.77	2.21	2.24	0.92	9.15	1.00	30.0
Levee Pull	0.42	0.10	0.40	0.15	1.07	2.00	NA
Install Gates & Remove	1.06	0.24	1.19	1.38	3.87	All	NA
Take Down Levees, Levee Pull	0.83	0.20	0.79	0.31	2.13	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	50.00	11.80	590.00	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	72.60	72.60	
Nitrogen	100%	Lbs	0	0.45	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	
Potash (K2O)	100%	Lbs	60	0.39	23.40	
Sulfur	100%	Lbs	0	0.29	0.00	
Boron	100%	Lbs	0.00	4.00	0.00	
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	
Herbicide	100%	Acre	1	59.64	59.64	
Insecticide	100%	Acre	1	4.21	4.21	
Fungicide	100%	Acre	1	10.32	10.32	
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	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.240	3.17	13.44	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	11.06	11.06	
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96	
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43	
Irrigation Energy Cost	100%	Ac-In	10	3.74	37.44	
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.23	2.28	
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.42	3.42	
Survey Levees	100%	Acre	1	0.00	0.00	
Labor	100%	Hrs	0.836	11.65	9.74	
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 %	4.75	0.0238	7.10	
Custom Harvest	100%	Acre	0.00	0.00	0.00	
Post-Harvest Expenses						
Drying	100%	Bu	50.00	0.00	0.00	
Hauling	100%	Bu	50.00	0.22	11.00	
Check Off, Boards	100%	Bu	50.00	0.03	1.50	
Cash Rent		Acre	1.00	0.00	0.00	
Total Operating Expenses					\$318.35	
Returns to Operating Expenses					\$271.65	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	41.66	41.66	
Irrigation Equipment		Acre	1	13.20	13.20	
Miscellaneous Overhead; See Note 1		Acre	1	11.48	11.48	
Total Capital Recovery & Unallocated Costs					\$66.34	
TOTAL SPECIFIED EXPENSES					\$384.69	
NET RETURNS					\$205.31	

Note 1: Estimate based on machinery and equipment.

Table 23-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)	32 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	1.21 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 23-C. Soybean, LL, Furrow Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	29.00	18.27	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Liberty	Late Season	oz	0.63	29.00	18.27	Self-Propelled Sprayer
Total					59.64	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

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

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	2.00	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter Twin Row	5.76	4.42	1.75	0.75	12.68	1.00	38.0
Irrigation Sweep	1.96	0.51	1.00	0.39	3.86	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	1.99	0.33	1.57	1.81	5.70	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	50.00	11.80	590.00	_____
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	_____
Seed, Includes All Fees	100%	Acre	1	72.60	72.60	_____
Nitrogen	100%	Lbs	0	0.45	0.00	_____
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	_____
Potash (K2O)	100%	Lbs	60	0.39	23.40	_____
Sulfur	100%	Lbs	0	0.29	0.00	_____
Boron	100%	Lbs	0.00	4.00	0.00	_____
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	_____
Herbicide	100%	Acre	1	59.64	59.64	_____
Insecticide	100%	Acre	1	4.21	4.21	_____
Fungicide	100%	Acre	1	10.32	10.32	_____
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	7.00	0.00	_____
Machinery and Equipment						_____
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.429	3.17	10.87	_____
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	10.23	10.23	_____
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96	_____
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43	_____
Irrigation Energy Cost	100%	Ac-In	10	5.69	56.87	_____
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.80	7.98	_____
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	_____
Survey Levees	100%	Acre	1	0.00	0.00	_____
Labor	100%	Hrs	0.694	11.65	8.09	_____
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 %	4.75	0.0238	7.49	_____
Custom Harvest	100%	Acre	0.00	0.00	0.00	_____
Post-Harvest Expenses						_____
Drying	100%	Bu	50.00	0.00	0.00	_____
Hauling	100%	Bu	50.00	0.22	11.00	_____
Check Off, Boards	100%	Bu	50.00	0.03	1.50	_____
Cash Rent		Acre	1.00	0.00	0.00	_____
Total Operating Expenses					\$335.40	_____
Returns to Operating Expenses					\$254.60	_____
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	37.70	37.70	_____
Irrigation Equipment		Acre	1	50.39	50.39	_____
Miscellaneous Overhead; See Note 1		Acre	1	26.66	26.66	_____
Total Capital Recovery & Unallocated Costs					\$114.75	_____
TOTAL SPECIFIED EXPENSES					\$450.14	_____
NET RETURNS					\$139.86	_____

Note 1: Estimate based on machinery and equipment.

Table 24-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)	32 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	1.21 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 24-C. Soybean, LL, Center Pivot Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	29.00	18.27	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Liberty	Late Season	oz	0.63	29.00	18.27	Self-Propelled Sprayer
Total					59.64	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

Table 24-D. Soybean, LL, Center Pivot Irrigation: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	2.00	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter Twin Row	5.76	4.42	1.75	0.75	12.68	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue	Your Farm
Crop Value	100%	Bu	30.00	11.80	354.00	
OPERATING EXPENSES						
		Unit	Quantity	Price/Unit	Costs	
Seed, Includes All Fees	100%	Acre	1	72.60	72.60	
Nitrogen	100%	Lbs	0	0.45	0.00	
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80	
Potash (K2O)	100%	Lbs	60	0.39	23.40	
Sulfur	100%	Lbs	0	0.29	0.00	
Boron	100%	Lbs	0.00	4.00	0.00	
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00	
Herbicide	100%	Acre	1	59.64	59.64	
Insecticide	100%	Acre	1	4.21	4.21	
Fungicide	100%	Acre	1	10.32	10.32	
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	7.00	0.00	
Machinery and Equipment						
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.429	3.17	10.87	
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	10.23	10.23	
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96	
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43	
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00	
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00	
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00	
Survey Levees	100%	Acre	1	0.00	0.00	
Labor	100%	Hrs	0.614	11.65	7.16	
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 %	4.75	0.0238	5.93	
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					\$263.05	
Returns to Operating Expenses					\$90.95	
CAPITAL RECOVERY & UNALLOCATED COSTS						
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	37.70	37.70	
Irrigation Equipment		Acre	1	0.00	0.00	
Miscellaneous Overhead; See Note 1		Acre	1	9.43	9.43	
Total Capital Recovery & Unallocated Costs					\$47.13	
TOTAL SPECIFIED EXPENSES					\$310.18	
NET RETURNS					\$43.82	

Note 1: Estimate based on machinery and equipment.

Table 25-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)	32 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	1.21 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 25-C. Soybean, LL, No Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	29.00	18.27	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Liberty	Late Season	oz	0.63	29.00	18.27	Self-Propelled Sprayer
Total					59.64	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

Table 25-D. Soybean, LL, No Irrigation: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	2.00	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter Twin Row	5.76	4.42	1.75	0.75	12.68	1.00	38.0
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	50.00	11.80	590.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	72.60	72.60
Nitrogen	100%	Lbs	0	0.45	0.00
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80
Potash (K2O)	100%	Lbs	60	0.39	23.40
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	4.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	59.64	59.64
Insecticide	100%	Acre	1	4.21	4.21
Fungicide	100%	Acre	1	10.32	10.32
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.471	3.17	14.17
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	8.43	8.43
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43
Irrigation Energy Cost	100%	Ac-In	10	3.74	37.44
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.23	2.28
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.64	0.64
Survey Levees	100%	Acre	1	3.00	3.00
Labor	100%	Hrs	0.834	11.65	9.71
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 %	4.75	0.0238	7.05
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	50.00	0.00	0.00
Hauling	100%	Bu	50.00	0.22	11.00
Check Off, Boards	100%	Bu	50.00	0.03	1.50
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$316.60
Returns to Operating Expenses					\$273.40
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	37.66	37.66
Irrigation Equipment		Acre	1	13.20	13.20
Miscellaneous Overhead; See Note 1		Acre	1	10.49	10.49
Total Capital Recovery & Unallocated Costs					\$61.35
TOTAL SPECIFIED EXPENSES					\$377.95
NET RETURNS					\$212.05

Note 1: Estimate based on machinery and equipment.

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

Field Trip	Width	Activity	LL
Disk	32 ft.	Fall Tillage	
Field Cultivator	36 ft.	Fall Tillage	
Ditcher (Fall)		Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate Plus, 2 oz Valor
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	N,P,K (0-40-60)
Fertilizer Spreader	60 ft.	Fertilizer	
Grain Drill	30 ft.	Plant	1.21 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty, 2 pt Prefix
Make Levees		One Round-Trip	
Remove Levees			
Self-Propelled Sprayer	90 ft.	Herbicide	29 oz Liberty
Make Levees		One Round-Trip	
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Remove Levees			
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 26-C. Soybean, LL, Flood Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Liberty	Post Planting	oz	0.63	29.00	18.27	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Liberty	Late Season	oz	0.63	29.00	18.27	Self-Propelled Sprayer
Total					59.64	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

Table 26-D. Soybean, LL, Flood Irrigation: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Ditcher	0.15	0.03	0.13	0.05	0.36	1.00	NA
Field Cultivator	2.08	0.76	1.36	0.52	4.73	2.00	32.0
Land Plane	2.25	0.55	2.11	0.81	5.72	1.00	17.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Planter Grain Drill	3.77	2.21	2.24	0.92	9.15	1.00	30.0
Levee Pull	0.42	0.10	0.40	0.15	1.07	2.00	NA
Install Gates & Remove	1.06	0.24	1.19	1.38	3.87	All	NA
Take Down Levees, Levee Pull	0.83	0.20	0.79	0.31	2.13	All	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

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

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	50.00	11.80	590.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	39.00	39.00
Nitrogen	100%	Lbs	0	0.45	0.00
Phosphate (P2O5)	100%	Lbs	40	0.52	20.80
Potash (K2O)	100%	Lbs	60	0.39	23.40
Sulfur	100%	Lbs	0	0.29	0.00
Boron	100%	Lbs	0.00	4.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	47.58	47.58
Insecticide	100%	Acre	1	4.21	4.21
Fungicide	100%	Acre	1	10.32	10.32
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	4.240	3.17	13.44
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	11.06	11.06
Diesel Fuel, Harvest	100%	Gallons	2.512	3.17	7.96
Repairs and Maintenance, Harvest	100%	Acre	1	8.43	8.43
Irrigation Energy Cost	100%	Ac-In	10	3.74	37.44
Irrigation System Repairs & Maintenance	100%	Ac-In	10	0.23	2.28
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	3.42	3.42
Survey Levees	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	0.836	11.65	9.74
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 %	4.75	0.0238	6.01
Custom Harvest	100%	Acre	0.00	0.00	0.00
Post-Harvest Expenses					
Drying	100%	Bu	50.00	0.00	0.00
Hauling	100%	Bu	50.00	0.22	11.00
Check Off, Boards	100%	Bu	50.00	0.03	1.50
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$271.60
Returns to Operating Expenses					\$318.40
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	41.66	41.66
Irrigation Equipment		Acre	1	13.20	13.20
Miscellaneous Overhead; See Note 1		Acre	1	11.48	11.48
Total Capital Recovery & Unallocated Costs					\$66.34
TOTAL SPECIFIED EXPENSES					\$337.94
NET RETURNS					\$252.06

Note 1: Estimate based on machinery and equipment.

Table 27-B. Soybean Field Activities, Conventional, Furrow Irrigation

Field Trip	Width	Activity	Conventional
Disk	32 ft.	Fall Tillage	
Hipper	12 Row	Fall Tillage	
Self-Propelled Sprayer	90 ft.	Herbicide (Burndown)	32 oz Glyphosate Plus, 2 oz Valor
Hipper	12 Row	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (0-40-60)
Do All (Seedbed Finisher)	12 Row	Tillage	
Planter (Twin Row)	12 Row	Plant	0.65 lbs seed
Self-Propelled Sprayer	90 ft.	Herbicide	Flexstar 24 oz , 2 pt Prefix
Irrigation Sweep	12 Row	Tillage	
Irrigation Polypipe Spool		Total Season Activities	
Self-Propelled Sprayer	90 ft.	Herbicide	24 oz Storm
Custom Aerial Application		Insecticide	Karate 1.8 oz
Custom Aerial Application		Fungicide	6 oz Quadris
Combine	320 hp	Harvest	
Head	30 ft Flex	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 27-C. Soybean, Conventional, Furrow Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Glyphosate Plus	Burndown	oz	0.12	32.00	3.84	Self-Propelled Sprayer
Valor	Burndown	oz	4.38	2.00	8.76	Self-Propelled Sprayer
Prefix	Post Planting	pt	5.25	2.00	10.50	Self-Propelled Sprayer
Storm		oz	0.69	24.00	16.56	Self-Propelled Sprayer
Flexstar	Late Season	oz	0.33	24.00	7.92	Self-Propelled Sprayer
Total					47.58	

Insecticide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Karate	Only One Application	oz	2.34	1.80	4.21	Custom Aerial Application
Total					4.21	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quadris	Only One Application	oz	1.72	6.00	10.32	Custom Aerial Application
Total					10.32	

Table 27-D. Soybean, Conventional, Furrow Irrigation: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital Recovery	Repairs	Fuel	Labor	Total	No. Field Trips	Feet, Width
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Bedder, Hipper	2.91	0.91	1.89	0.73	6.45	2.00	38.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	1.00	30.0
Do All, Seedbed Finisher	1.52	0.51	1.15	0.44	3.61	1.00	38.0
Planter Twin Row	5.76	4.42	1.75	0.75	12.68	1.00	38.0
Irrigation Sweep	1.96	0.51	1.00	0.39	3.86	1.00	38.0
Polypipe; Roll Out, Punch, Take Up	1.99	0.33	1.57	1.81	5.70	1.00	NA
Self-Propelled							
Self-Propelled Sprayer	1.11	0.63	0.41	0.17	2.32	3.00	90.0
Harvest							
Combine	11.24	4.82	4.68	1.35	22.09	1.00	NA
Soybean Head	1.40	2.02	NA	NA	3.42	1.00	25.0
Grain Cart	3.94	1.59	3.29	1.35	10.17	1.00	NA

Wheat Budget
for
2014 Planting

Table 28-A. Arkansas Wheat Enterprise Budget

CROP VALUE	Grower %	Unit	Yield	Price/Unit	Revenue Your Farm
Crop Value	100%	Bu	60.00	6.50	390.00
OPERATING EXPENSES					
		Unit	Quantity	Price/Unit	Costs
Seed, Includes All Fees	100%	Acre	1	34.00	34.00
Nitrogen	100%	Lbs	116	0.45	52.20
Phosphate (P2O5)	100%	Lbs	40	0.52	20.87
Potash (K2O)	100%	Lbs	80	0.39	30.80
Sulfur	100%	Lbs	12	0.29	3.45
Boron	100%	Lbs	0.00	4.00	0.00
Other Nutrients, Including Poultry Litter	100%	Lbs	0.00	0.00	0.00
Herbicide	100%	Acre	1	18.48	18.48
Insecticide	100%	Acre	1	0.00	0.00
Fungicide	100%	Acre	1	11.48	11.48
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	7.00	0.00
Machinery and Equipment					
Diesel Fuel, Pre-Post Harvest	100%	Gallons	3.166	3.17	10.04
Repairs and Maintenance, Pre-Post Harvest	100%	Acre	1.00	5.66	5.66
Diesel Fuel, Harvest	100%	Gallons	3.230	3.17	10.24
Repairs and Maintenance, Harvest	100%	Acre	1	10.46	10.46
Irrigation Energy Cost	100%	Ac-In	0	0.00	0.00
Irrigation System Repairs & Maintenance	100%	Ac-In	0	0.00	0.00
Irrigation Supplies (ex. polypipe, levee gates)	100%	Acre	1	0.00	0.00
Other Inputs	100%	Acre	1	0.00	0.00
Labor	100%	Hrs	0.659	11.65	7.68
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 %	4.75	0.0238	5.78
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	0.00	0.00
Cash Rent		Acre	1.00	0.00	0.00
Total Operating Expenses					\$262.34
Returns to Operating Expenses					\$127.66
CAPITAL RECOVERY & UNALLOCATED COSTS					
Pre-Harvest, Post-Harvest, and Harvest Machinery		Acre	1	35.48	35.48
Irrigation Equipment		Acre	1	0.00	0.00
Miscellaneous Overhead; See Note 1		Acre	1	8.87	8.87
Total Capital Recovery & Unallocated Costs					\$44.35
TOTAL SPECIFIED EXPENSES					\$306.69
NET RETURNS					\$83.31

Note 1: Estimate based on machinery and equipment.

Table 28-B. Wheat Field Activities

Field Trip	Width	Activity	
Disk	32 ft.	Tillage	
Fertilizer Spreader	60 ft.	Fertilizer	N,P,K (30-40-80)
Field Cultivator	36 ft.	Tillage	
Land Plane	17 ft.	Tillage	
Ditcher		Tillage	
Grain Drill	30 ft.	Plant	0.34 lbs seed
Fertilizer Spreader	60 ft.	Fertilizer	65 lbs Urea (46-0-0) & N,P,K,S (10-0-0-12)
Custom Aerial Application		Herbicide	16.4 oz Axial
Custom Aerial Application		Herbicide	0.6 oz Harmony Extra XP, 12 oz surfactant
Custom Aerial Application		Fertilizer	100 lbs Urea (46-0-0)
Custom Aerial Application		Fungicide	14 oz Quilt
Combine	320 hp	Harvest	
Head	25 ft Rigid	Harvest	
Grain Wagon (875 bu)		Harvest	

Table 28-C. Wheat, No Irrigation: Details of Chemicals Applied

Herbicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Axial	Post Planting	oz	0.86	16.40	14.10	Custom Aerial Application
Harmony Extra XP	Post Planting	oz	5.50	0.60	3.30	Custom Aerial Application
Surfactant	with Harmony	oz	0.09	12.00	1.08	Custom Aerial Application
Total					18.48	

Fungicide Detail						
Name, Brand	Schedule, Description	Unit	Price	Quantity/Ac	Costs	Application Method
Quilt	0.00	oz	0.82	14.00	11.48	Custom Aerial Application
Total					11.48	

Table 28-D. Wheat, No Irrigation: Machinery Capital Recovery Costs, Operating Costs, and Details

Implement	Costs per Acre-Trip, \$ per Acre					Details	
	Capital		Fuel	Labor	Total	No. Field Trips	Feet, Width
	Recovery	Repairs					
Disk	3.22	1.07	1.73	0.67	6.69	1.00	32.0
Ditcher	0.15	0.03	0.13	0.05	0.36	1.00	NA
Field Cultivator	2.08	0.76	1.36	0.52	4.73	1.00	32.0
Land Plane	2.25	0.55	2.11	0.81	5.72	1.00	17.0
Fertilizer, Broadcast Spreader	1.47	0.52	1.23	0.61	3.84	2.00	30.0
Planter Grain Drill	3.77	2.21	2.24	0.92	9.15	1.00	30.0
Harvest							
Combine	14.45	6.20	6.01	1.74	28.40	1.00	NA
Wheat/Sorghum Head	1.53	2.22	NA	NA	3.75	1.00	25.0
Grain Cart	5.07	2.04	4.23	1.74	13.08	1.00	NA

Budget
Summaries for
2014 Planting

Table 29. Summary of Revenue and Expenses per Acre, Surface Irrigation

Receipts	Soybean,				
	Cotton	Corn	Sorghum	Furrow	Rice
Yield (cotton-lb,other-bu)	1200	180	110	50	180
Price (\$/yield unit)	0.70	4.35	4.20	11.80	6.25
Total Crop Revenue	840.00	783.00	462.00	590.00	1125.00
Cottonseed Value	145.08				
Operating Expenses					
Seed	112.86	126.06	23.21	78.60	33.84
Fertilizers & Nutrients	97.60	201.78	116.25	44.20	121.05
Chemicals	90.26	20.16	18.40	47.29	95.01
Custom Applications	0.00	7.00	11.55	14.00	44.10
Fuel	39.95	24.14	24.47	21.40	32.97
Repairs & Maintenance	39.27	24.76	22.13	21.77	35.67
Irrigation Energy Costs	44.93	44.93	37.44	37.44	112.33
Labor, Field Activities	21.46	10.93	10.90	9.74	13.43
Other Inputs & Fees, Pre-harvest	38.67	14.42	9.78	10.02	16.86
Post-harvest Expenses	145.08	75.60	25.30	12.50	105.03
Net Operating Expenses	484.99	549.80	299.42	296.97	610.28
Returns to Operating Expenses	355.01	233.20	162.58	293.03	514.72
Capital Recovery & Fixed Costs	129.93	73.91	69.31	66.34	110.15
Total Specified Expenses¹	614.92	623.71	368.73	363.31	720.42
Returns to Specified Expenses	225.08	159.29	93.27	226.69	404.58
Operating Expenses/yield unit	0.40	3.05	2.72	5.94	3.39
Total Expenses/yield unit	0.51	3.47	3.35	7.27	4.00

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

Table 30. Summary of Revenue and Expenses per Acre, Center Pivot Irrigation

Receipts	Cotton	Corn	Sorghum	Soybean
Yield (cotton-lb,other-bu)	1200	180	110	50
Price (\$/yield unit)	0.70	4.35	4.20	11.80
Total Crop Revenue	840.00	783.00	462.00	590.00
Cottonseed Value	145.08			
Operating Expenses				
Seed	112.86	126.06	23.21	78.60
Fertilizers & Nutrients	97.60	201.78	116.25	44.20
Chemicals	90.26	20.16	18.40	47.29
Custom Applications	0.00	7.00	11.55	14.00
Fuel	37.38	21.57	21.44	18.83
Repairs & Maintenance	45.27	30.77	27.00	26.64
Irrigation Energy Costs	68.25	68.25	56.87	56.87
Labor, Field Activities	19.91	9.39	9.24	8.09
Other Inputs & Fees, Pre-harvest	35.77	11.52	6.74	6.99
Post-harvest Expenses	145.08	75.60	25.30	12.50
Net Operating Expenses	507.30	572.10	316.00	314.02
Returns to Operating Expenses	332.70	210.90	146.00	275.98
Capital Recovery & Fixed Costs	185.94	129.92	117.71	114.75
Total Specified Expenses¹	693.24	702.03	433.71	428.77
Returns to Specified Expenses	146.76	80.97	28.29	161.23
Operating Expenses/yield unit	0.42	3.18	2.87	6.28
Total Expenses/yield unit	0.58	3.90	3.94	8.58

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

Table 31. Summary of Revenue and Expenses per Acre, No Irrigation

Receipts	Cotton	Corn	Sorghum	Soybean	Wheat
Yield (cotton-lb,other-bu)	800	125	70	30	60
Price (\$/yield unit)	0.70	4.35	4.20	11.80	6.50
Total Crop Revenue	560.00	543.75	294.00	354.00	390.00
Cottonseed Value	96.72				
Operating Expenses					
Seed	112.86	99.32	16.07	78.60	34.00
Fertilizers & Nutrients	71.06	173.85	107.25	44.20	107.32
Chemicals	82.52	20.16	18.40	47.29	29.96
Custom Applications	0.00	0.00	0.00	14.00	28.00
Fuel	36.97	21.57	21.72	18.83	20.28
Repairs & Maintenance	35.07	21.19	19.02	18.66	16.12
Irrigation Energy Costs	0.00	0.00	0.00	0.00	0.00
Labor, Field Activities	18.62	8.27	8.31	7.16	7.68
Other Inputs & Fees, Pre-harvest	33.05	8.18	4.53	5.43	5.78
Post-harvest Expenses	96.72	52.50	16.10	7.50	13.20
Net Operating Expenses	390.15	405.05	211.39	241.67	262.34
Returns to Operating Expenses	169.85	138.70	82.61	112.33	127.66
Capital Recovery & Fixed Costs	107.17	52.54	50.09	47.13	44.35
Total Specified Expenses¹	497.32	457.59	261.48	288.80	306.69
Returns to Specified Expenses	62.68	86.16	32.52	65.20	83.31
Operating Expenses/yield unit	0.49	3.24	3.02	8.06	4.37
Total Expenses/yield unit	0.62	3.66	3.74	9.63	5.11

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

References

- Arkansas Farm Bureau. "Daily Commodity Report." Little Rock, AR. Available online: http://www.arfb.com/commodity_marketing/report/
- Edwards, William. *Estimating Farm Machinery Costs*. Iowa State University, University Extension, Ames, IA, 2005.
- 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," SE Region, Fall Issue, Franklin, TN, 2013.
- Kay, Ronald D. and William M. Edwards. *Farm Management, Fourth Edition*. WCB/McGraw-Hill, Boston, MA, 1999.
- Lazurus, William F. and Roger A. Selly. *Suggested Procedures for Estimating Farm Machinery*. Staff Paper P02-16, Department of Applied Economics, College of Agricultural, Food, and Environmental Sciences, University of Minnesota, Minneapolis-St. Paul, MN, December 2002.
- U.S. Department of Agriculture, National Agricultural Statistics Service. *Farm Labor*. Washington, DC, May 2013.