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University of Arkansas System

2013 Crop Enterprise Budgets

for Arkansas Field Crops Planted in 2013

AG-1283

2013 Crop Enterprise Budgets

AG-1283

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2013 Crop Enterprise Budgets

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

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

Summary of Methods

Methods employed for developing crop enterprise budgets include input prices that are estimated directly from information available from suppliers and other sources, as well as costs estimated from engineering formulas developed by the American Society of Agricultural and Biological Engineers. Operating costs for fertilizers and chemicals (MSU 2012) 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 2012). Labor costs in crop enterprise budgets represent time devoted to specified field activities. Actual labor expenses for a farm could be reduced by employing owner unpaid labor.

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

well as actual cash expenses for machinery. Amortization factors applied for capital recovery estimation coincide with real interest rates (Edwards 2005). Nominal interest rates are average effective interest rates for farm machinery and equipment (Federal Reserve Bank of Kansas City 2012). Real interest rates are calculated by applying the implicit price deflator for gross domestic product (USDC, BEA 2012). Representative prices for equipment are based on numerous sources of information including industry list prices (MSU 2012; IRON Solutions 2012).

Revenue in crop enterprise budgets is the product of expected yields from following Extension practices under optimal growing conditions and projected commodity prices. Commodity prices in this report are projections based on information compiled in December 2012 (USDA-WAOB 2012; AFB 2012), and realized prices will vary with continually changing market conditions. AEAB does not have programs for developing commodity price forecasts.

Corn Budgets
for
2013 Planting

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

| CROP VALUE | Grower % | Unit | Yield | Price/Unit | Revenue | Your Farm |
|---|-----------------|-------------|-----------------|-------------------|-----------------|------------------|
| Crop Value | 100% | Bu | 175.00 | 7.00 | 1,225.00 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 119.46 | 119.46 | |
| Nitrogen | 100% | Lbs | 223 | 0.63 | 140.49 | |
| Phosphate (P2O5) | 100% | Lbs | 60 | 0.64 | 38.40 | |
| Potash (K2O) | 100% | Lbs | 90 | 0.48 | 43.20 | |
| Sulfur | 100% | Lbs | 24 | 0.28 | 6.72 | |
| Zinc | 100% | Lbs | 10.00 | 2.40 | 24.00 | |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | |
| Herbicide | 100% | Acre | 1 | 17.62 | 17.62 | |
| Insecticide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Fungicide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 | |
| Air Application: Urea | 100% | Lbs | 100 | 0.070 | 7.00 | |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.532 | 3.60 | 16.32 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 9.04 | 9.04 | |
| Diesel Fuel, Harvest | 100% | Gallons | 3.141 | 3.60 | 11.31 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 11.61 | 11.61 | |
| Irrigation Energy Cost | 100% | Ac-In | 15 | 4.25 | 63.78 | |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 15 | 0.22 | 3.36 | |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 3.13 | 3.13 | |
| Other Inputs | 100% | Acre | 1 | 0.00 | 0.00 | |
| Labor | 100% | Hrs | 0.964 | 10.74 | 10.35 | |
| Scouting/Consultant Fee | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Expenses | 100% | Acre | 1 | 0.00 | 0.00 | |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 | |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 11.83 | |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 175.00 | 0.19 | 33.25 | |
| Hauling | 100% | Bu | 175.00 | 0.22 | 38.50 | |
| Check Off, Boards | 100% | Bu | 175.00 | 0.01 | 1.75 | |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | |
| Total Operating Expenses | | | | | \$611.11 | |
| Returns to Operating Expenses | | | | | \$613.89 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 43.08 | 43.08 | |
| Irrigation Equipment | | Acre | 1 | 17.91 | 17.91 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 12.05 | 12.05 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$73.04 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$684.15 | |
| NET RETURNS | | | | | \$540.85 | |

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 | |
| 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 | 305 hp | Harvest | |
| Corn Head | 8 Row | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

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

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Atrazine | Post Planting | pt | 1.72 | 2.00 | 3.44 | Self-Propelled Sprayer |
| Glyphosate Plus | Second Application | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Atrazine | Second Application | pt | 1.72 | 2.00 | 3.44 | Self-Propelled Sprayer |
| Total | | | | | 17.62 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital | | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| | Recovery | Repairs | | | | | |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Irrigation Sweep | 1.75 | 0.46 | 1.66 | 0.52 | 4.39 | 1.00 | 26.0 |
| Polypipe; Roll Out, Punch, Take Up | 2.15 | 0.35 | 1.78 | 1.67 | 5.95 | 1.00 | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 13.83 | 6.03 | 6.51 | 1.61 | 27.97 | 1.00 | NA |
| Corn Head | 2.51 | 3.65 | NA | NA | 6.16 | 1.00 | 25.0 |
| Grain Cart | 4.72 | 1.93 | 4.80 | 1.61 | 13.06 | 1.00 | NA |

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

| CROP VALUE | Grower % | Unit | Yield | Price/Unit | Revenue | Your Farm |
|---|-----------------|-------------|-----------------|-------------------|-----------------|------------------|
| Crop Value | 100% | Bu | 175.00 | 7.00 | 1,225.00 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 119.46 | 119.46 | |
| Nitrogen | 100% | Lbs | 223 | 0.63 | 140.49 | |
| Phosphate (P2O5) | 100% | Lbs | 60 | 0.64 | 38.40 | |
| Potash (K2O) | 100% | Lbs | 90 | 0.29 | 26.10 | |
| Sulfur | 100% | Lbs | 24 | 0.26 | 6.12 | |
| Zinc | 100% | Lbs | 10.00 | 0.48 | 4.80 | |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | |
| Herbicide | 100% | Acre | 1 | 17.62 | 17.62 | |
| Insecticide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Fungicide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 | |
| Air Application: Urea | 100% | Lbs | 100 | 0.070 | 7.00 | |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.576 | 3.60 | 12.87 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.23 | 8.23 | |
| Diesel Fuel, Harvest | 100% | Gallons | 3.141 | 3.60 | 11.31 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 11.61 | 11.61 | |
| Irrigation Energy Cost | 100% | Ac-In | 15 | 6.46 | 96.88 | |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 15 | 0.79 | 11.78 | |
| 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 | 0.830 | 10.74 | 8.91 | |
| 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 % | 4.50 | 0.0225 | 11.74 | |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 175.00 | 0.19 | 33.25 | |
| Hauling | 100% | Bu | 175.00 | 0.22 | 38.50 | |
| Check Off, Boards | 100% | Bu | 175.00 | 0.01 | 1.75 | |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | |
| Total Operating Expenses | | | | | \$606.82 | |
| Returns to Operating Expenses | | | | | \$618.18 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 39.18 | 39.18 | |
| Irrigation Equipment | | Acre | 1 | 72.59 | 72.59 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 13.69 | 13.69 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$125.46 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$732.29 | |
| NET RETURNS | | | | | \$492.71 | |

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 | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 2 pt Glyphosate Plus, 2 pt Atrazine |
| Knife Rig | 12 Row | Fertilizer | 29 gal UAN 32% |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 2 pt Glyphosate Plus, 2 pt Atrazine |
| Custom Aerial Application | | Fertilizer | 100 lbs Urea (46-0-0) |
| Combine | 305 hp | Harvest | |
| Corn Head | 8 Row | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

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

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Atrazine | Post Planting | pt | 1.72 | 2.00 | 3.44 | Self-Propelled Sprayer |
| Glyphosate Plus | Second Application | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Atrazine | Second Application | pt | 1.72 | 2.00 | 3.44 | Self-Propelled Sprayer |
| Total | | | | | 17.62 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 13.83 | 6.03 | 6.51 | 1.61 | 27.97 | 1.00 | NA |
| Corn Head | 2.51 | 3.65 | NA | NA | 6.16 | 1.00 | 25.0 |
| Grain Cart | 4.72 | 1.93 | 4.80 | 1.61 | 13.06 | 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 | 7.00 | 875.00 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 94.12 | 94.12 | |
| Nitrogen | 100% | Lbs | 156 | 0.64 | 99.84 | |
| Phosphate (P2O5) | 100% | Lbs | 60 | 0.64 | 38.40 | |
| Potash (K2O) | 100% | Lbs | 90 | 0.48 | 43.20 | |
| Sulfur | 100% | Lbs | 24 | 0.28 | 6.72 | |
| Zinc | 100% | Lbs | 10.00 | 2.40 | 24.00 | |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | |
| Herbicide | 100% | Acre | 1 | 18.66 | 18.66 | |
| Insecticide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Fungicide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 | |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 | |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.576 | 3.60 | 12.87 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.23 | 8.23 | |
| Diesel Fuel, Harvest | 100% | Gallons | 3.141 | 3.60 | 11.31 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 11.61 | 11.61 | |
| 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 | 10.74 | 7.62 | |
| Scouting/Consultant Fee | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Expenses | 100% | Acre | 1 | 0.00 | 0.00 | |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 | |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 8.47 | |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 125.00 | 0.19 | 23.75 | |
| Hauling | 100% | Bu | 125.00 | 0.22 | 27.50 | |
| Check Off, Boards | 100% | Bu | 125.00 | 0.01 | 1.25 | |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | |
| Total Operating Expenses | | | | | \$437.56 | |
| Returns to Operating Expenses | | | | | \$437.44 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 39.18 | 39.18 | |
| Irrigation Equipment | | Acre | 1 | 0.00 | 0.00 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 9.79 | 9.79 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$48.97 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$486.53 | |
| NET RETURNS | | | | | \$388.47 | |

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 | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 2 pt Glyphosate Plus, 2 pt Atrazine |
| Knife Rig | 12 Row | Fertilizer | 30 gal UAN 32% |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 2 pt Glyphosate Plus, 2 pt Atrazine |
| Combine | 305 hp | Harvest | |
| Corn Head | 8 Row | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

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

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.75 | 2.00 | 3.50 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.75 | 2.00 | 3.50 | Self-Propelled Sprayer |
| Atrazine | Post Planting | pt | 2.04 | 2.00 | 4.08 | Self-Propelled Sprayer |
| Glyphosate Plus | Second Application | pt | 1.75 | 2.00 | 3.50 | Self-Propelled Sprayer |
| Atrazine | Second Application | pt | 2.04 | 2.00 | 4.08 | Self-Propelled Sprayer |
| Total | | | | | 18.66 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 13.83 | 6.03 | 6.51 | 1.61 | 27.97 | 1.00 | NA |
| Corn Head | 2.51 | 3.65 | NA | NA | 6.16 | 1.00 | 25.0 |
| Grain Cart | 4.72 | 1.93 | 4.80 | 1.61 | 13.06 | 1.00 | NA |

Cotton Budgets
for
2013 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 | 106.26 | 106.26 |
| Nitrogen | 100% | Lbs | 94 | 0.64 | 60.16 |
| Phosphate (P2O5) | 100% | Lbs | 30 | 0.64 | 19.20 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 10 | 0.28 | 2.80 |
| Boron | 100% | Lbs | 1.00 | 4.97 | 4.97 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 72.92 | 72.92 |
| Insecticide | 100% | Acre | 1 | 23.02 | 23.02 |
| Nematicide | 100% | Acre | 1 | 0.00 | 0.00 |
| Growth Regulator | 100% | Acre | 1 | 2.60 | 2.60 |
| Defoliant | 100% | Acre | 1 | 21.94 | 21.94 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 6.509 | 3.60 | 23.43 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 15.52 | 15.52 |
| Diesel Fuel, Harvest | 100% | Gallons | 6.277 | 3.60 | 22.60 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 20.64 | 20.64 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 4.25 | 51.02 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.22 | 2.69 |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 3.13 | 3.13 |
| Other Inputs | 100% | Acre | 1 | 0.00 | 0.00 |
| Labor | 100% | Hrs | 1,857 | 10.74 | 19.95 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 9.00 | 9.00 |
| Boll Weevil Eradication Fee; See Note 2 | 100% | Acre | 1 | 14.00 | 14.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 11.80 |
| 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 | | | | | \$536.45 |
| Returns to Operating Expenses | | | | | \$303.55 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 87.96 | 87.96 |
| Irrigation Equipment | | Acre | 1 | 14.91 | 14.91 |
| Miscellaneous Overhead; See Note 4 | | Acre | 1 | 23.11 | 23.11 |
| Total Capital Recovery & Unallocated Costs | | | | | \$125.98 |
| TOTAL SPECIFIED EXPENSES | | | | | \$662.43 |
| NET RETURNS | | | | | \$177.57 |

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 | |
| 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 | |
| Mower | 20 ft. | Mow Stalks | |

Table 4-C. Cotton, B2RF, Furrow Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Banvel | Spring Burndown | oz | 0.44 | 8.00 | 3.52 | Self-Propelled Sprayer |
| Cotoran | At Planting | pt | 6.12 | 1.60 | 9.79 | Self-Propelled Sprayer |
| Gramoxone | At Planting | oz | 0.25 | 32.00 | 8.00 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 1.50 | 2.69 | Hooded Sprayer |
| Valor | Post Planting | oz | 5.55 | 2.00 | 11.10 | Hooded Sprayer |
| Total | | | | | 72.92 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Centric | With Herbicide | oz | 3.58 | 2.00 | 7.16 | Self-Propelled Sprayer |
| Acephate | With GR (1) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Bidrin | With GR (2) | oz | 1.01 | 6.00 | 6.06 | Self-Propelled Sprayer |
| Acephate | With GR (3) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Total | | | | | 23.02 | |

| Growth Regulator Detail | | | | | | |
|-------------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Mepex | First Application | oz | 0.10 | 6.00 | 0.60 | Self-Propelled Sprayer |
| Mepex | Second Application | oz | 0.10 | 8.00 | 0.80 | Self-Propelled Sprayer |
| Mepex | Third Application | oz | 0.10 | 12.00 | 1.20 | Self-Propelled Sprayer |
| Total | | | | | 2.60 | |

| Defoliant Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Dropp | First Defoliation | oz | 2.34 | 2.00 | 4.68 | Self-Propelled Sprayer |
| Folex | First Defoliation | oz | 0.59 | 6.00 | 3.54 | Self-Propelled Sprayer |
| Prep | First Defoliation | oz | 0.19 | 6.00 | 1.13 | Self-Propelled Sprayer |
| Folex | Second Defoliation | oz | 0.59 | 8.00 | 4.72 | Self-Propelled Sprayer |
| Prep | Second Defoliation | oz | 0.19 | 42.00 | 7.88 | Self-Propelled Sprayer |
| Total | | | | | 21.94 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital | | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| | Recovery | Repairs | | | | | |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Irrigation Sweep | 1.75 | 0.46 | 1.66 | 0.52 | 4.39 | 1.00 | 26.0 |
| Polypipe; Roll Out, Punch, Take Up | 2.15 | 0.35 | 1.78 | 1.67 | 5.95 | 1.00 | NA |
| Hooded Sprayer | 1.78 | 0.63 | 1.70 | 0.53 | 4.65 | 1.00 | 38.0 |
| Mower, Stalk Shredder | 3.26 | 2.06 | 2.63 | 0.87 | 8.82 | 1.00 | 20.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 9.00 | 90.0 |
| Harvest | | | | | | | |
| Cotton Picker | 40.40 | 15.97 | 9.97 | 2.11 | 68.45 | 1.00 | 19.0 |
| Boll Buggy | 6.72 | 2.23 | 6.32 | 2.11 | 17.38 | 1.00 | 19.0 |
| Module Builder | 7.14 | 2.44 | 6.32 | 6.34 | 22.24 | 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 | 106.26 | 106.26 |
| Nitrogen | 100% | Lbs | 94 | 0.64 | 60.16 |
| Phosphate (P2O5) | 100% | Lbs | 30 | 0.64 | 19.20 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 10 | 0.28 | 2.80 |
| Boron | 100% | Lbs | 1.00 | 4.97 | 4.97 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 72.92 | 72.92 |
| Insecticide | 100% | Acre | 1 | 24.78 | 24.78 |
| Nematicide | 100% | Acre | 1 | 0.00 | 0.00 |
| Growth Regulator | 100% | Acre | 1 | 2.60 | 2.60 |
| Defoliant | 100% | Acre | 1 | 22.06 | 22.06 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 5.553 | 3.60 | 19.99 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 14.72 | 14.72 |
| Diesel Fuel, Harvest | 100% | Gallons | 6.277 | 3.60 | 22.60 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 20.64 | 20.64 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 6.46 | 77.51 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.79 | 9.43 |
| 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 | 10.74 | 18.36 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 9.00 | 9.00 |
| Boll Weevil Eradication Fee; See Note 2 | 100% | Acre | 1 | 14.00 | 14.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 12.39 |
| 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 | | | | | \$563.17 |
| Returns to Operating Expenses | | | | | \$276.83 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 84.06 | 84.06 |
| Irrigation Equipment | | Acre | 1 | 58.66 | 58.66 |
| Miscellaneous Overhead; See Note 4 | | Acre | 1 | 24.53 | 24.53 |
| Total Capital Recovery & Unallocated Costs | | | | | \$167.24 |
| TOTAL SPECIFIED EXPENSES | | | | | \$730.41 |
| NET RETURNS | | | | | \$109.59 |

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 | |
| 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: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Banvel | Spring Burndown | oz | 0.44 | 8.00 | 3.52 | Self-Propelled Sprayer |
| Cotoran | At Planting | pt | 6.12 | 1.60 | 9.79 | Planter |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 1.50 | 2.69 | Hooded Sprayer |
| Valor | Post Planting | oz | 5.55 | 2.00 | 11.10 | Hooded Sprayer |
| Total | | | | | 72.92 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Centric | With Herbicide | oz | 4.46 | 2.00 | 8.92 | Self-Propelled Sprayer |
| Acephate | With GR (1) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Bidrin | With GR (2) | oz | 1.01 | 6.00 | 6.06 | Self-Propelled Sprayer |
| Acephate | With GR (3) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Total | | | | | 24.78 | |

| Growth Regulator Detail | | | | | | |
|-------------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Mepex | First Application | oz | 0.10 | 6.00 | 0.60 | Self-Propelled Sprayer |
| Mepex | Second Application | oz | 0.10 | 8.00 | 0.80 | Self-Propelled Sprayer |
| Mepex | Third Application | oz | 0.10 | 12.00 | 1.20 | Self-Propelled Sprayer |
| Total | | | | | 2.60 | |

| Defoliant Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Dropp | First Defoliation | oz | 2.34 | 2.00 | 4.68 | Self-Propelled Sprayer |
| Folex | First Defoliation | oz | 0.59 | 6.00 | 3.54 | Self-Propelled Sprayer |
| Prep | First Defoliation | oz | 0.19 | 6.00 | 1.14 | Self-Propelled Sprayer |
| Folex | Second Defoliation | oz | 0.59 | 8.00 | 4.72 | Self-Propelled Sprayer |
| Prep | Second Defoliation | oz | 0.19 | 42.00 | 7.98 | Self-Propelled Sprayer |
| Total | | | | | 22.06 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Hooded Sprayer | 1.78 | 0.63 | 1.70 | 0.53 | 4.65 | 1.00 | 38.0 |
| Mower, Stalk Shredder | 3.26 | 2.06 | 2.63 | 0.87 | 8.82 | 1.00 | 20.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 9.00 | 90.0 |
| Harvest | | | | | | | |
| Cotton Picker | 40.40 | 15.97 | 9.97 | 2.11 | 68.45 | 1.00 | 19.0 |
| Boll Buggy | 6.72 | 2.23 | 6.32 | 2.11 | 17.38 | 1.00 | 19.0 |
| Module Builder | 7.14 | 2.44 | 6.32 | 6.34 | 22.24 | 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 | 106.26 | 106.26 |
| Nitrogen | 100% | Lbs | 72 | 0.64 | 46.08 |
| Phosphate (P2O5) | 100% | Lbs | 20 | 0.64 | 12.80 |
| Potash (K2O) | 100% | Lbs | 40 | 0.48 | 19.20 |
| Sulfur | 100% | Lbs | 10 | 0.28 | 2.80 |
| Boron | 100% | Lbs | 1.00 | 4.97 | 4.97 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 72.92 | 72.92 |
| Insecticide | 100% | Acre | 1 | 24.85 | 24.85 |
| Nematicide | 100% | Acre | 1 | 0.00 | 0.00 |
| Growth Regulator | 100% | Acre | 1 | 1.40 | 1.40 |
| Defoliant | 100% | Acre | 1 | 12.90 | 12.90 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 5.424 | 3.60 | 19.53 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 14.08 | 14.08 |
| Diesel Fuel, Harvest | 100% | Gallons | 6.277 | 3.60 | 22.60 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 20.64 | 20.64 |
| 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 | 10.74 | 17.17 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 9.00 | 9.00 |
| Boll Weevil Eradication Fee; See Note 2 | 100% | Acre | 1 | 14.00 | 14.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 9.48 |
| 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 | | | | | \$430.67 |
| Returns to Operating Expenses | | | | | \$129.33 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 82.95 | 82.95 |
| Irrigation Equipment | | Acre | 1 | 0.00 | 0.00 |
| Miscellaneous Overhead; See Note 4 | | Acre | 1 | 20.74 | 20.74 |
| Total Capital Recovery & Unallocated Costs | | | | | \$103.69 |
| TOTAL SPECIFIED EXPENSES | | | | | \$534.36 |
| NET RETURNS | | | | | \$25.64 |

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 | |
| 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: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Banvel | Spring Burndown | oz | 0.44 | 8.00 | 3.52 | Self-Propelled Sprayer |
| Cotoran | At Planting | pt | 6.12 | 1.60 | 9.79 | Planter |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 1.50 | 2.69 | Hooded Sprayer |
| Valor | Post Planting | oz | 5.55 | 2.00 | 11.10 | Hooded Sprayer |
| Gramoxone | At Planting | oz | 0.25 | 32.00 | 8.00 | Self-Propelled Sprayer |
| Total | | | | | 72.92 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Centric | With Herbicide | oz | 4.46 | 2.00 | 8.92 | Self-Propelled Sprayer |
| Acephate | With GR (1) | lbs | 6.63 | 0.75 | 4.97 | Self-Propelled Sprayer |
| Bidrin | With GR (2) | oz | 1.01 | 6.00 | 6.06 | Self-Propelled Sprayer |
| Acephate | With GR (3) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Total | | | | | 24.85 | |

| Growth Regulator Detail | | | | | | |
|-------------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Mepex | Only One Application | oz | 0.10 | 14.00 | 1.40 | Self-Propelled Sprayer |
| Total | | | | | 1.40 | |

| Defoliant Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Ginstar | Only One Defoliation | oz | 2.00 | 5.00 | 10.00 | Self-Propelled Sprayer |
| Finish | Only One Defoliation | oz | 0.58 | 5.00 | 2.90 | Self-Propelled Sprayer |
| Total | | | | | 12.90 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | | |
|--------------------------------|----------------------------------|---------|------|------|-------|---------|-----------------|-------------|
| | Capital | | | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| | Recovery | Repairs | | | | | | |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 | |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 | |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 | |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 | |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 | |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 | |
| Hooded Sprayer | 1.78 | 0.63 | 1.70 | 0.53 | 4.65 | 1.00 | 38.0 | |
| Mower, Stalk Shredder | 3.26 | 2.06 | 2.63 | 0.87 | 8.82 | 1.00 | 20.0 | |
| Self-Propelled | | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 8.00 | 90.0 | |
| Harvest | | | | | | | | |
| Cotton Picker | 40.40 | 15.97 | 9.97 | 2.11 | 68.45 | 1.00 | 19.0 | |
| Boll Buggy | 6.72 | 2.23 | 6.32 | 2.11 | 17.38 | 1.00 | 19.0 | |
| Module Builder | 7.14 | 2.44 | 6.32 | 6.34 | 22.24 | 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 | 90.25 | 90.25 |
| Nitrogen | 100% | Lbs | 94 | 0.64 | 60.16 |
| Phosphate (P2O5) | 100% | Lbs | 30 | 0.64 | 19.20 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 10 | 0.28 | 2.80 |
| Boron | 100% | Lbs | 1.00 | 4.97 | 4.97 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 102.67 | 102.67 |
| Insecticide | 100% | Acre | 1 | 24.78 | 24.78 |
| Nematicide | 100% | Acre | 1 | 0.00 | 0.00 |
| Growth Regulator | 100% | Acre | 1 | 2.60 | 2.60 |
| Defoliant | 100% | Acre | 1 | 22.06 | 22.06 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 6.509 | 3.60 | 23.43 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 15.52 | 15.52 |
| Diesel Fuel, Harvest | 100% | Gallons | 6.277 | 3.60 | 22.60 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 20.64 | 20.64 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 4.25 | 51.02 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.22 | 2.69 |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 3.13 | 3.13 |
| Other Inputs | 100% | Acre | 1 | 0.00 | 0.00 |
| Labor | 100% | Hrs | 1,857 | 10.74 | 19.95 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 9.00 | 9.00 |
| Boll Weevil Eradication Fee; See Note 2 | 100% | Acre | 1 | 14.00 | 14.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 12.16 |
| 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 | | | | | \$552.43 |
| Returns to Operating Expenses | | | | | \$287.57 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 87.96 | 87.96 |
| Irrigation Equipment | | Acre | 1 | 14.91 | 14.91 |
| Miscellaneous Overhead; See Note 4 | | Acre | 1 | 23.11 | 23.11 |
| Total Capital Recovery & Unallocated Costs | | | | | \$125.98 |
| TOTAL SPECIFIED EXPENSES | | | | | \$678.41 |
| NET RETURNS | | | | | \$161.59 |

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 | |
| 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 | |
| Mower | 20 ft. | Mow Stalks | |

Table 7-C. Cotton, B2LL, Furrow Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|---------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Banvel | Spring Burndown | oz | 0.44 | 8.00 | 3.52 | Self-Propelled Sprayer |
| Cotoran | At Planting | pt | 6.12 | 1.60 | 9.79 | Planter |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Hooded Sprayer |
| Valor | Post Planting | oz | 5.55 | 2.00 | 11.10 | Hooded Sprayer |
| Total | | | | | 102.67 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Centric | With Herbicide | oz | 4.46 | 2.00 | 8.92 | Self-Propelled Sprayer |
| Acephate | With GR (1) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Bidrin | With GR (2) | oz | 1.01 | 6.00 | 6.06 | Self-Propelled Sprayer |
| Acephate | With GR (3) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Total | | | | | 24.78 | |

| Growth Regulator Detail | | | | | | |
|-------------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Mepex | First Application | oz | 0.10 | 6.00 | 0.60 | Self-Propelled Sprayer |
| Mepex | Second Application | oz | 0.10 | 8.00 | 0.80 | Self-Propelled Sprayer |
| Mepex | Third Application | oz | 0.10 | 12.00 | 1.20 | Self-Propelled Sprayer |
| Total | | | | | 2.60 | |

| Defoliant Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Dropp | First Defoliation | oz | 2.34 | 2.00 | 4.68 | Self-Propelled Sprayer |
| Folex | First Defoliation | oz | 0.59 | 6.00 | 3.54 | Self-Propelled Sprayer |
| Prep | First Defoliation | oz | 0.19 | 6.00 | 1.14 | Self-Propelled Sprayer |
| Folex | Second Defoliation | oz | 0.59 | 8.00 | 4.72 | Self-Propelled Sprayer |
| Prep | Second Defoliation | oz | 0.19 | 42.00 | 7.98 | Self-Propelled Sprayer |
| Total | | | | | 22.06 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Irrigation Sweep | 1.75 | 0.46 | 1.66 | 0.52 | 4.39 | 1.00 | 26.0 |
| Polypipe; Roll Out, Punch, Take Up | 2.15 | 0.35 | 1.78 | 1.67 | 5.95 | 1.00 | NA |
| Hooded Sprayer | 1.78 | 0.63 | 1.70 | 0.53 | 4.65 | 1.00 | 38.0 |
| Mower, Stalk Shredder | 3.26 | 2.06 | 2.63 | 0.87 | 8.82 | 1.00 | 20.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 9.00 | 90.0 |
| Harvest | | | | | | | |
| Cotton Picker | 40.40 | 15.97 | 9.97 | 2.11 | 68.45 | 1.00 | 19.0 |
| Boll Buggy | 6.72 | 2.23 | 6.32 | 2.11 | 17.38 | 1.00 | 19.0 |
| Module Builder | 7.14 | 2.44 | 6.32 | 6.34 | 22.24 | 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 | 90.25 | 90.25 |
| Nitrogen | 100% | Lbs | 94 | 0.64 | 60.16 |
| Phosphate (P2O5) | 100% | Lbs | 30 | 0.64 | 19.20 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 10 | 0.28 | 2.80 |
| Boron | 100% | Lbs | 1.00 | 4.97 | 4.97 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 102.67 | 102.67 |
| Insecticide | 100% | Acre | 1 | 24.78 | 24.78 |
| Nematicide | 100% | Acre | 1 | 0.00 | 0.00 |
| Growth Regulator | 100% | Acre | 1 | 2.60 | 2.60 |
| Defoliant | 100% | Acre | 1 | 22.06 | 22.06 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 5.553 | 3.60 | 19.99 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 14.72 | 14.72 |
| Diesel Fuel, Harvest | 100% | Gallons | 6.277 | 3.60 | 22.60 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 20.64 | 20.64 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 6.46 | 77.51 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.79 | 9.43 |
| 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 | 10.74 | 18.36 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 9.00 | 9.00 |
| Boll Weevil Eradication Fee; See Note 2 | 100% | Acre | 1 | 14.00 | 14.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 12.70 |
| 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 | | | | | \$577.23 |
| Returns to Operating Expenses | | | | | \$262.77 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 84.06 | 84.06 |
| Irrigation Equipment | | Acre | 1 | 58.66 | 58.66 |
| Miscellaneous Overhead; See Note 4 | | Acre | 1 | 24.53 | 24.53 |
| Total Capital Recovery & Unallocated Costs | | | | | \$167.24 |
| TOTAL SPECIFIED EXPENSES | | | | | \$744.47 |
| NET RETURNS | | | | | \$95.53 |

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 | |
| 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: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|---------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Banvel | Spring Burndown | oz | 0.44 | 8.00 | 3.52 | Self-Propelled Sprayer |
| Cotoran | At Planting | pt | 6.12 | 1.60 | 9.79 | Planter |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Hooded Sprayer |
| Valor | Post Planting | oz | 5.55 | 2.00 | 11.10 | Hooded Sprayer |
| Total | | | | | 102.67 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Centric | With Herbicide | oz | 4.46 | 2.00 | 8.92 | Self-Propelled Sprayer |
| Acephate | With GR (1) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Bidrin | With GR (2) | oz | 1.01 | 6.00 | 6.06 | Self-Propelled Sprayer |
| Acephate | With GR (3) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Total | | | | | 24.78 | |

| Growth Regulator Detail | | | | | | |
|-------------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Mepex | First Application | oz | 0.10 | 6.00 | 0.60 | Self-Propelled Sprayer |
| Mepex | Second Application | oz | 0.10 | 8.00 | 0.80 | Self-Propelled Sprayer |
| Mepex | Third Application | oz | 0.10 | 12.00 | 1.20 | Self-Propelled Sprayer |
| Total | | | | | 2.60 | |

| Defoliant Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Dropp | First Defoliation | oz | 2.34 | 2.00 | 4.68 | Self-Propelled Sprayer |
| Folex | First Defoliation | oz | 0.59 | 6.00 | 3.54 | Self-Propelled Sprayer |
| Prep | First Defoliation | oz | 0.19 | 6.00 | 1.14 | Self-Propelled Sprayer |
| Folex | Second Defoliation | oz | 0.59 | 8.00 | 4.72 | Self-Propelled Sprayer |
| Prep | Second Defoliation | oz | 0.19 | 42.00 | 7.98 | Self-Propelled Sprayer |
| Total | | | | | 22.06 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Hooded Sprayer | 1.78 | 0.63 | 1.70 | 0.53 | 4.65 | 1.00 | 38.0 |
| Mower, Stalk Shredder | 3.26 | 2.06 | 2.63 | 0.87 | 8.82 | 1.00 | 20.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 9.00 | 90.0 |
| Harvest | | | | | | | |
| Cotton Picker | 40.40 | 15.97 | 9.97 | 2.11 | 68.45 | 1.00 | 19.0 |
| Boll Buggy | 6.72 | 2.23 | 6.32 | 2.11 | 17.38 | 1.00 | 19.0 |
| Module Builder | 7.14 | 2.44 | 6.32 | 6.34 | 22.24 | 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 | 90.25 | 90.25 |
| Nitrogen | 100% | Lbs | 72 | 0.64 | 46.08 |
| Phosphate (P2O5) | 100% | Lbs | 20 | 0.64 | 12.80 |
| Potash (K2O) | 100% | Lbs | 40 | 0.48 | 19.20 |
| Sulfur | 100% | Lbs | 10 | 0.28 | 2.80 |
| Boron | 100% | Lbs | 1.00 | 4.97 | 4.97 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 102.67 | 102.67 |
| Insecticide | 100% | Acre | 1 | 24.78 | 24.78 |
| Nematicide | 100% | Acre | 1 | 0.00 | 0.00 |
| Growth Regulator | 100% | Acre | 1 | 1.40 | 1.40 |
| Defoliant | 100% | Acre | 1 | 12.90 | 12.90 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 5.424 | 3.60 | 19.53 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 14.08 | 14.08 |
| Diesel Fuel, Harvest | 100% | Gallons | 6.277 | 3.60 | 22.60 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 20.64 | 20.64 |
| 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 | 10.74 | 17.17 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 9.00 | 9.00 |
| Boll Weevil Eradication Fee; See Note 2 | 100% | Acre | 1 | 14.00 | 14.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 9.78 |
| 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 | | | | | \$444.65 |
| Returns to Operating Expenses | | | | | \$115.35 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 82.95 | 82.95 |
| Irrigation Equipment | | Acre | 1 | 0.00 | 0.00 |
| Miscellaneous Overhead; See Note 4 | | Acre | 1 | 20.74 | 20.74 |
| Total Capital Recovery & Unallocated Costs | | | | | \$103.69 |
| TOTAL SPECIFIED EXPENSES | | | | | \$548.34 |
| NET RETURNS | | | | | \$11.66 |

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 | |
| 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: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|---------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Banvel | Spring Burndown | oz | 0.44 | 8.00 | 3.52 | Self-Propelled Sprayer |
| Cotoran | At Planting | pt | 6.12 | 1.60 | 9.79 | Planter |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 24.00 | 13.20 | Hooded Sprayer |
| Valor | Post Planting | oz | 5.55 | 2.00 | 11.10 | Hooded Sprayer |
| Total | | | | | 102.67 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Centric | With Herbicide | oz | 4.46 | 2.00 | 8.92 | Self-Propelled Sprayer |
| Acephate | With GR (1) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Bidrin | With GR (2) | oz | 1.01 | 6.00 | 6.06 | Self-Propelled Sprayer |
| Acephate | With GR (3) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Total | | | | | 24.78 | |

| Growth Regulator Detail | | | | | | |
|-------------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Mepex | Only One Application | oz | 0.10 | 14.00 | 1.40 | Self-Propelled Sprayer |
| Total | | | | | 1.40 | |

| Defoliant Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Ginstar | Only One Defoliation | oz | 2.00 | 5.00 | 10.00 | Self-Propelled Sprayer |
| Finish | Only One Defoliation | oz | 0.58 | 5.00 | 2.90 | Self-Propelled Sprayer |
| Total | | | | | 12.90 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Hooded Sprayer | 1.78 | 0.63 | 1.70 | 0.53 | 4.65 | 1.00 | 38.0 |
| Mower, Stalk Shredder | 3.26 | 2.06 | 2.63 | 0.87 | 8.82 | 1.00 | 20.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 8.00 | 90.0 |
| Harvest | | | | | | | |
| Cotton Picker | 40.40 | 15.97 | 9.97 | 2.11 | 68.45 | 1.00 | 19.0 |
| Boll Buggy | 6.72 | 2.23 | 6.32 | 2.11 | 17.38 | 1.00 | 19.0 |
| Module Builder | 7.14 | 2.44 | 6.32 | 6.34 | 22.24 | 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 | 50.87 | 50.87 |
| Nitrogen | 100% | Lbs | 94 | 0.64 | 60.16 |
| Phosphate (P2O5) | 100% | Lbs | 30 | 0.64 | 19.20 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 10 | 0.28 | 2.80 |
| Boron | 100% | Lbs | 1.00 | 4.97 | 4.97 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 66.65 | 66.65 |
| Insecticide | 100% | Acre | 1 | 50.02 | 50.02 |
| Nematicide | 100% | Acre | 1 | 0.00 | 0.00 |
| Growth Regulator | 100% | Acre | 1 | 2.60 | 2.60 |
| Defoliant | 100% | Acre | 1 | 21.94 | 21.94 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 6.509 | 3.60 | 23.43 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 15.52 | 15.52 |
| Diesel Fuel, Harvest | 100% | Gallons | 6.277 | 3.60 | 22.60 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 20.64 | 20.64 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 4.25 | 51.02 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.22 | 2.69 |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 3.13 | 3.13 |
| Other Inputs | 100% | Acre | 1 | 0.00 | 0.00 |
| Labor | 100% | Hrs | 1,857 | 10.74 | 19.95 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 9.00 | 9.00 |
| Boll Weevil Eradication Fee; See Note 2 | 100% | Acre | 1 | 14.00 | 14.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 11.02 |
| 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 | | | | | \$501.02 |
| Returns to Operating Expenses | | | | | \$338.98 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 87.96 | 87.96 |
| Irrigation Equipment | | Acre | 1 | 14.91 | 14.91 |
| Miscellaneous Overhead; See Note 4 | | Acre | 1 | 23.11 | 23.11 |
| Total Capital Recovery & Unallocated Costs | | | | | \$125.98 |
| TOTAL SPECIFIED EXPENSES | | | | | \$627.00 |
| NET RETURNS | | | | | \$213.00 |

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 | |
| 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 | |
| Mower | 20 ft. | Mow Stalks | |

Table 10-C. Cotton, Conventional, Furrow Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Banvel | Spring Burndown | oz | 0.44 | 8.00 | 3.52 | Self-Propelled Sprayer |
| Cotoran | At Planting | pt | 6.12 | 1.60 | 9.79 | Self-Propelled Sprayer |
| Gramoxone | At Planting | oz | 0.25 | 32.00 | 8.00 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.00 | 13.54 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | pt | 1.79 | 2.00 | 3.58 | Hooded Sprayer |
| Valor | Post Planting | oz | 5.55 | 2.00 | 11.10 | Hooded Sprayer |
| Total | | | | | 66.65 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Centric | With Herbicide | oz | 3.58 | 2.00 | 7.16 | Self-Propelled Sprayer |
| Acephate | With GR (1) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Bidrin | With GR (2) | oz | 1.01 | 6.00 | 6.06 | Self-Propelled Sprayer |
| Acephate | With GR (3) | lbs | 6.53 | 0.75 | 4.90 | Self-Propelled Sprayer |
| Belt | | oz | 6.75 | 2.00 | 13.50 | Self-Propelled Sprayer |
| Belt | | oz | 6.75 | 2.00 | 13.50 | Self-Propelled Sprayer |
| Total | | | | | 50.02 | |

| Growth Regulator Detail | | | | | | |
|-------------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Mepex | First Application | oz | 0.10 | 6.00 | 0.60 | Self-Propelled Sprayer |
| Mepex | Second Application | oz | 0.10 | 8.00 | 0.80 | Self-Propelled Sprayer |
| Mepex | Third Application | oz | 0.10 | 12.00 | 1.20 | Self-Propelled Sprayer |
| Total | | | | | 2.60 | |

| Defoliant Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Dropp | First Defoliation | oz | 2.34 | 2.00 | 4.68 | Self-Propelled Sprayer |
| Folex | First Defoliation | oz | 0.59 | 6.00 | 3.54 | Self-Propelled Sprayer |
| Prep | First Defoliation | oz | 0.19 | 6.00 | 1.13 | Self-Propelled Sprayer |
| Folex | Second Defoliation | oz | 0.59 | 8.00 | 4.72 | Self-Propelled Sprayer |
| Prep | Second Defoliation | oz | 0.19 | 42.00 | 7.88 | Self-Propelled Sprayer |
| Total | | | | | 21.94 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Fertilizer, Knife Rig | 2.83 | 1.19 | 1.70 | 0.68 | 6.40 | 1.00 | 38.0 |
| Irrigation Sweep | 1.75 | 0.46 | 1.66 | 0.52 | 4.39 | 1.00 | 26.0 |
| Polypipe; Roll Out, Punch, Take Up | 2.15 | 0.35 | 1.78 | 1.67 | 5.95 | 1.00 | NA |
| Hooded Sprayer | 1.78 | 0.63 | 1.70 | 0.53 | 4.65 | 1.00 | 38.0 |
| Mower, Stalk Shredder | 3.26 | 2.06 | 2.63 | 0.87 | 8.82 | 1.00 | 20.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 9.00 | 90.0 |
| Harvest | | | | | | | |
| Cotton Picker | 40.40 | 15.97 | 9.97 | 2.11 | 68.45 | 1.00 | 19.0 |
| Boll Buggy | 6.72 | 2.23 | 6.32 | 2.11 | 17.38 | 1.00 | 19.0 |
| Module Builder | 7.14 | 2.44 | 6.32 | 6.34 | 22.24 | 1.00 | 19.0 |

Grain Sorghum Budgets
for
2013 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 | 6.15 | 676.50 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 22.69 | 22.69 | |
| Nitrogen | 100% | Lbs | 111 | 0.61 | 67.71 | |
| Phosphate (P2O5) | 100% | Lbs | 60 | 0.64 | 38.40 | |
| Potash (K2O) | 100% | Lbs | 90 | 0.48 | 43.20 | |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | |
| Zinc | 100% | Lbs | 0.00 | 2.40 | 0.00 | |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | |
| Herbicide | 100% | Acre | 1 | 28.19 | 28.19 | |
| Insecticide | 100% | Acre | 1 | 3.49 | 3.49 | |
| Fungicide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | |
| Air Application: Fertilizer & Chemical | 100% | Acre | 0 | 7.00 | 0.00 | |
| Air Application: Urea | 100% | Lbs | 165 | 0.070 | 11.55 | |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.578 | 3.60 | 16.48 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 9.00 | 9.00 | |
| Diesel Fuel, Harvest | 100% | Gallons | 3.141 | 3.60 | 11.31 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 9.69 | 9.69 | |
| Irrigation Energy Cost | 100% | Ac-In | 10 | 4.25 | 42.52 | |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 10 | 0.22 | 2.24 | |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 3.13 | 3.13 | |
| Other Inputs | 100% | Acre | 1 | 0.00 | 0.00 | |
| Labor | 100% | Hrs | 0.951 | 10.74 | 10.21 | |
| 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 % | 4.50 | 0.0225 | 7.20 | |
| 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 | | | | | \$352.31 | |
| Returns to Operating Expenses | | | | | \$324.19 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 41.44 | 41.44 | |
| Irrigation Equipment | | Acre | 1 | 12.91 | 12.91 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 11.37 | 11.37 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$65.73 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$418.03 | |
| NET RETURNS | | | | | \$258.47 | |

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 | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 1.5 pt Dual |
| Fertilizer Spreader | 60 ft. | Fertilizer | 165 Lbs Urea (46-0-0) |
| Irrigation Sweep | 12 Row | Tillage | |
| Irrigation Polypipe Spool | | Total Season Activities | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 2.5 pt Atrazine |
| Self-Propelled Sprayer | 90 ft. | Insecticide | 1.28 oz Karate |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 11-C. Grain Sorghum, Furrow Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.50 | 20.31 | Self-Propelled Sprayer |
| Atrazine | Post Planting | pt | 1.72 | 2.50 | 4.30 | Self-Propelled Sprayer |
| Total | | | | | 28.19 | |

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

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 2.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Irrigation Sweep | 1.75 | 0.46 | 1.66 | 0.52 | 4.39 | 1.00 | 26.0 |
| Polypipe; Roll Out, Punch, Take Up | 2.15 | 0.35 | 1.78 | 1.67 | 5.95 | 1.00 | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 4.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 13.83 | 6.03 | 6.51 | 1.61 | 27.97 | 1.00 | NA |
| Wheat/Sorghum Head | 1.19 | 1.73 | NA | NA | 2.91 | 1.00 | 25.0 |
| Grain Cart | 4.72 | 1.93 | 4.80 | 1.61 | 13.06 | 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 | 6.15 | 676.50 |
| OPERATING EXPENSES | | | | | |
| | | Unit | Quantity | Price/Unit | Costs |
| Seed, Includes All Fees | 100% | Acre | 1 | 22.69 | 22.69 |
| Nitrogen | 100% | Lbs | 111 | 0.61 | 67.71 |
| Phosphate (P2O5) | 100% | Lbs | 60 | 0.64 | 38.40 |
| Potash (K2O) | 100% | Lbs | 90 | 0.48 | 43.20 |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 |
| Zinc | 100% | Lbs | 0.00 | 2.40 | 0.00 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 28.19 | 28.19 |
| Insecticide | 100% | Acre | 1 | 4.03 | 4.03 |
| 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 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.622 | 3.60 | 13.04 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.20 | 8.20 |
| Diesel Fuel, Harvest | 100% | Gallons | 3.141 | 3.60 | 11.31 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 9.66 | 9.66 |
| Irrigation Energy Cost | 100% | Ac-In | 10 | 6.46 | 64.59 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 10 | 0.79 | 7.85 |
| 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 | 10.74 | 8.52 |
| 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 % | 4.50 | 0.0225 | 7.63 |
| 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 | | | | | \$371.87 |
| Returns to Operating Expenses | | | | | \$304.63 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 37.32 | 37.32 |
| Irrigation Equipment | | Acre | 1 | 49.37 | 49.37 |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 12.58 | 12.58 |
| Total Capital Recovery & Unallocated Costs | | | | | \$99.27 |
| TOTAL SPECIFIED EXPENSES | | | | | \$471.14 |
| NET RETURNS | | | | | \$205.36 |

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 | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 1.5 pt Dual |
| Fertilizer Spreader | 60 ft. | Fertilizer | 165 Lbs Urea (46-0-0) |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 2.5 pt Atrazine |
| Self-Propelled Sprayer | 90 ft. | Insecticide | 1.28 oz Karate |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

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

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.50 | 20.31 | Self-Propelled Sprayer |
| Atrazine | Post Planting | pt | 1.72 | 2.50 | 4.30 | Self-Propelled Sprayer |
| Total | | | | | 28.19 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.28 | 4.03 | Self-Propelled Sprayer |
| Total | | | | | 4.03 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 2.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 4.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 13.83 | 6.03 | 6.51 | 1.61 | 27.97 | 1.00 | NA |
| Wheat/Sorghum Head | 1.19 | 1.73 | NA | NA | 2.91 | 1.00 | 25.0 |
| Grain Cart | 4.50 | 1.91 | 4.80 | 1.61 | 12.82 | 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 | 6.15 | 430.50 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 15.71 | 15.71 | |
| Nitrogen | 100% | Lbs | 91 | 0.61 | 55.51 | |
| Phosphate (P2O5) | 100% | Lbs | 60 | 0.64 | 38.40 | |
| Potash (K2O) | 100% | Lbs | 90 | 0.48 | 43.20 | |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | |
| Zinc | 100% | Lbs | 0.00 | 2.40 | 0.00 | |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | |
| Herbicide | 100% | Acre | 1 | 28.19 | 28.19 | |
| Insecticide | 100% | Acre | 1 | 4.03 | 4.03 | |
| 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 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.622 | 3.60 | 13.04 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.20 | 8.20 | |
| Diesel Fuel, Harvest | 100% | Gallons | 3.141 | 3.60 | 11.31 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 9.69 | 9.69 | |
| 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 | 10.74 | 7.66 | |
| Scouting/Consultant Fee | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Expenses | 100% | Acre | 1 | 0.00 | 0.00 | |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 | |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 5.48 | |
| 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 | | | | | \$265.05 | |
| Returns to Operating Expenses | | | | | \$165.45 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 37.54 | 37.54 | |
| Irrigation Equipment | | Acre | 1 | 0.00 | 0.00 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 9.38 | 9.38 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$46.92 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$311.97 | |
| NET RETURNS | | | | | \$118.53 | |

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 | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 1.5 pt Dual |
| Fertilizer Spreader | 60 ft. | Fertilizer | 122 Lbs Urea (46-0-0) |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 2.5 pt Atrazine |
| Self-Propelled Sprayer | 90 ft. | Insecticide | 1.28 oz Karate |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 13-C. Grain Sorghum, No Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Spring Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Dual | Post Planting | pt | 13.54 | 1.50 | 20.31 | Self-Propelled Sprayer |
| Atrazine | Post Planting | pt | 1.72 | 2.50 | 4.30 | Self-Propelled Sprayer |
| Total | | | | | 28.19 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.28 | 4.03 | Self-Propelled Sprayer |
| Total | | | | | 4.03 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Paratill | 4.71 | 1.84 | 4.55 | 1.43 | 12.53 | 0.33 | 19.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 1.67 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 2.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter | 3.26 | 2.13 | 1.98 | 0.69 | 8.07 | 1.00 | 38.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 4.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 13.83 | 6.03 | 6.51 | 1.61 | 27.97 | 1.00 | NA |
| Wheat/Sorghum Head | 1.19 | 1.73 | NA | NA | 2.91 | 1.00 | 25.0 |
| Grain Cart | 4.72 | 1.93 | 4.80 | 1.61 | 13.06 | 1.00 | NA |

Rice Budgets
for
2013 Planting

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

| CROP VALUE | Grower % | Unit | Yield | Price/Unit | Revenue | Your Farm |
|---|-----------------|-------------|-----------------|-------------------|-----------------|------------------|
| Crop Value | 100% | Bu | 170.00 | 6.50 | 1,105.00 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 22.32 | 22.32 | |
| Nitrogen | 100% | Lbs | 152 | 0.61 | 92.72 | |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | |
| Other Nutrients, Agrotain | 100% | Lbs | 0.46 | 18.63 | 8.57 | |
| Herbicide | 100% | Acre | 1 | 74.20 | 74.20 | |
| Insecticide | 100% | Acre | 1 | 5.04 | 5.04 | |
| Fungicide | 100% | Acre | 1 | 31.62 | 31.62 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | |
| Air Application: Fertilizer & Chemical | 100% | Acre | 3 | 7.00 | 21.00 | |
| Air Application: Urea | 100% | Lbs | 330 | 0.070 | 23.10 | |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.749 | 3.60 | 17.10 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 7.97 | 7.97 | |
| Diesel Fuel, Harvest | 100% | Gallons | 5.497 | 3.60 | 19.79 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 17.98 | 17.98 | |
| Irrigation Energy Cost | 100% | Ac-In | 30 | 4.25 | 127.56 | |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 30 | 0.22 | 6.72 | |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 0.60 | 0.60 | |
| Survey Levees | 100% | Acre | 1 | 5.50 | 5.50 | |
| Labor | 100% | Hrs | 1.152 | 10.74 | 12.38 | |
| 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 % | 4.50 | 0.0225 | 12.34 | |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 170.00 | 0.35 | 59.50 | |
| Hauling | 100% | Bu | 170.00 | 0.22 | 37.40 | |
| Check Off, Boards | 100% | Bu | 170.00 | 0.01 | 2.30 | |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | |
| Total Operating Expenses | | | | | \$660.10 | |
| Returns to Operating Expenses | | | | | \$444.90 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 55.86 | 55.86 | |
| Irrigation Equipment | | Acre | 1 | 32.90 | 32.90 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 15.46 | 15.46 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$104.23 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$764.33 | |
| NET RETURNS | | | | | \$340.67 | |

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 | |
| Roller | 32 ft. | Compact Soil | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 16 oz Command |
| Make Levees, Plant Levees | | Three Round-Trips | |
| Levee Gates | | Total Season Activities | |
| Custom Aerial Application | | Herbicide | 1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil |
| Custom Aerial Application | | Fertilizer | 230 lb Urea (46-0-0), 0.46 qt Agrotain treated |
| ATV, Spray Levees | | Herbicide | 0.67 pt Grandstand, 1 gal Rice Shot (Propanil) |
| Flood Field | | | |
| Custom Aerial Application | | Fertilizer | 100 lb Urea (46-0-0) |
| Custom Aerial Application | | Fungicide | 12.8 oz Quadris |
| Custom Aerial Application | | Insecticide | 1.6 oz Karate |
| Drain Field | | | |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |
| Remove Levees | | | |
| Roller | 32 ft. | Manage Stubble | |

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

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Command | Preflood | oz | 1.07 | 16.00 | 17.12 | Self-Propelled Sprayer |
| Rice Shot | Post Plant | gal | 27.84 | 1.00 | 27.84 | Custom Aerial Application |
| Facet | Post Plant | lb | 55.00 | 0.33 | 18.15 | Custom Aerial Application |
| Crop Oil | with Post Plant | oz | 0.23 | 32.00 | 7.36 | Custom Aerial Application |
| Grandstand | Spray Levees | pt | 14.19 | 0.07 | 0.95 | ATV |
| Rice Shot | Spray Levees | gal | 27.84 | 0.10 | 2.78 | ATV |
| Total | | | | | 74.20 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.60 | 5.04 | Custom Aerial Application |
| Total | | | | | 5.04 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 12.80 | 31.62 | Custom Aerial Application |
| Total | | | | | 31.62 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|---------------------------------|----------------------------------|---------|-------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Roller | 1.71 | 0.40 | 1.52 | 0.48 | 4.11 | 2.00 | 38.0 |
| Ditcher | 0.14 | 0.03 | 0.15 | 0.05 | 0.37 | 1.00 | NA |
| Field Cultivator | 1.93 | 0.73 | 1.54 | 0.48 | 4.69 | 1.00 | 32.0 |
| Land Plane | 2.19 | 0.57 | 2.39 | 0.75 | 5.91 | 1.00 | 17.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Planter Grain Drill | 4.28 | 2.81 | 2.55 | 0.85 | 10.48 | 1.00 | 30.0 |
| Levee Pull, Planter/Incorporate | 0.46 | 0.12 | 0.49 | 0.15 | 1.22 | 3.00 | NA |
| Install Gates & Remove | 0.51 | 0.13 | 0.68 | 0.64 | 1.94 | All | NA |
| Take Down Levees, Levee Pull | 1.22 | 0.32 | 1.35 | 0.42 | 3.31 | All | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 1.00 | 90.0 |
| ATV with Spot, Levee Sprayer | 0.07 | 0.05 | 0.10 | 0.14 | 0.36 | 1.00 | NA |
| Harvest | | | | | | | |
| Combine | 24.20 | 10.55 | 11.39 | 2.81 | 48.95 | 1.00 | NA |
| Rice Head | 2.79 | 4.05 | NA | NA | 6.83 | 1.00 | 25.0 |
| Grain Cart | 8.25 | 3.38 | 8.40 | 2.81 | 22.85 | 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 | 170.00 | 6.50 | 1,105.00 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 79.92 | 79.92 | |
| Nitrogen | 100% | Lbs | 152 | 0.61 | 92.72 | |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | |
| Other Nutrients, Agrotain | 100% | Lbs | 0.46 | 18.63 | 8.57 | |
| Herbicide | 100% | Acre | 1 | 58.71 | 58.71 | |
| Insecticide | 100% | Acre | 1 | 5.04 | 5.04 | |
| Fungicide | 100% | Acre | 1 | 31.62 | 31.62 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | |
| Air Application: Fertilizer & Chemical | 100% | Acre | 4 | 7.00 | 28.00 | |
| Air Application: Urea | 100% | Lbs | 330 | 0.070 | 23.10 | |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.749 | 3.60 | 17.10 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 7.97 | 7.97 | |
| Diesel Fuel, Harvest | 100% | Gallons | 5.497 | 3.60 | 19.79 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 17.98 | 17.98 | |
| Irrigation Energy Cost | 100% | Ac-In | 30 | 4.25 | 127.56 | |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 30 | 0.22 | 6.72 | |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 0.60 | 0.60 | |
| Survey Levees | 100% | Acre | 1 | 5.50 | 5.50 | |
| Labor | 100% | Hrs | 1,152 | 10.74 | 12.38 | |
| 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 % | 4.50 | 0.0225 | 13.45 | |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 170.00 | 0.35 | 59.50 | |
| Hauling | 100% | Bu | 170.00 | 0.22 | 37.40 | |
| Check Off, Boards | 100% | Bu | 170.00 | 0.01 | 2.30 | |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | |
| Total Operating Expenses | | | | | \$710.32 | |
| Returns to Operating Expenses | | | | | \$394.68 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 55.86 | 55.86 | |
| Irrigation Equipment | | Acre | 1 | 32.90 | 32.90 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 15.46 | 15.46 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$104.23 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$814.55 | |
| NET RETURNS | | | | | \$290.45 | |

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 | |
| Roller | 32 ft. | Compact Soil | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 16 oz Command |
| Make Levees, Plant Levees | | Three Round-Trips | |
| Levee Gates | | Total Season Activities | |
| Custom Aerial Application | | Herbicide | 4 oz Newpath, surfacant |
| Custom Aerial Application | | Herbicide | 4 oz Newpath, surfacant, 1 oz Aim |
| Custom Aerial Application | | Fertilizer | 230 lb Urea (46-0-0), 0.46 qt Agrotain treated |
| ATV, Spray Levees | | Herbicide | 0.67 pt Grandstand, 1 gal Rice Shot (Propanil) |
| Flood Field | | | |
| Custom Aerial Application | | Fertilizer | 100 lb Urea (46-0-0) |
| Custom Aerial Application | | Fungicide | 12.8 oz Quadris |
| Custom Aerial Application | | Insecticide | 1.6 oz Karate |
| Drain Field | | | |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |
| Remove Levees | | | |
| Roller | 32 ft. | Manage Stubble | |

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

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Command | Preflood | oz | 1.07 | 16.00 | 17.12 | Self-Propelled Sprayer |
| Newpath | Post Plant, 1st | oz | 3.15 | 4.00 | 12.60 | Custom Aerial Application |
| Surfactant | with Post Plant, 1st | oz | 0.22 | 12.00 | 2.64 | Custom Aerial Application |
| Newpath | Post Plant, 2nd | oz | 3.15 | 4.00 | 12.60 | Custom Aerial Application |
| Aim | Post Plant, 2nd | oz | 7.38 | 1.00 | 7.38 | Custom Aerial Application |
| Surfactant | with Post Plant, 2nd | oz | 0.22 | 12.00 | 2.64 | Custom Aerial Application |
| Grandstand | Spray Levees | pt | 14.19 | 0.07 | 0.95 | ATV |
| Rice Shot | Spray Levees | gal | 27.84 | 0.10 | 2.78 | ATV |
| Total | | | | | 58.71 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.60 | 5.04 | Custom Aerial Application |
| Total | | | | | 5.04 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 12.80 | 31.62 | Custom Aerial Application |
| Total | | | | | 31.62 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|---------------------------------|----------------------------------|---------|-------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Roller | 1.71 | 0.40 | 1.52 | 0.48 | 4.11 | 2.00 | 38.0 |
| Ditcher | 0.14 | 0.03 | 0.15 | 0.05 | 0.37 | 1.00 | NA |
| Field Cultivator | 1.93 | 0.73 | 1.54 | 0.48 | 4.69 | 1.00 | 32.0 |
| Land Plane | 2.19 | 0.57 | 2.39 | 0.75 | 5.91 | 1.00 | 17.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Planter Grain Drill | 4.28 | 2.81 | 2.55 | 0.85 | 10.48 | 1.00 | 30.0 |
| Levee Pull, Planter/Incorporate | 0.46 | 0.12 | 0.49 | 0.15 | 1.22 | 3.00 | NA |
| Install Gates & Remove | 0.51 | 0.13 | 0.68 | 0.64 | 1.94 | All | NA |
| Take Down Levees, Levee Pull | 1.22 | 0.32 | 1.35 | 0.42 | 3.31 | All | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 1.00 | 90.0 |
| ATV with Spot, Levee Sprayer | 0.07 | 0.05 | 0.10 | 0.14 | 0.36 | 1.00 | NA |
| Harvest | | | | | | | |
| Combine | 24.20 | 10.55 | 11.39 | 2.81 | 48.95 | 1.00 | NA |
| Rice Head | 2.79 | 4.05 | NA | NA | 6.83 | 1.00 | 25.0 |
| Grain Cart | 8.25 | 3.38 | 8.40 | 2.81 | 22.85 | 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 | 190.00 | 6.50 | 1,235.00 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 144.04 | 144.04 | |
| Nitrogen | 100% | Lbs | 124 | 0.61 | 75.64 | |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | |
| Other Nutrients, Agrotain | 100% | Lbs | 0.40 | 18.63 | 7.45 | |
| Herbicide | 100% | Acre | 1 | 74.20 | 74.20 | |
| Insecticide | 100% | Acre | 1 | 5.04 | 5.04 | |
| Fungicide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | |
| Air Application: Fertilizer & Chemical | 100% | Acre | 3 | 7.00 | 21.00 | |
| Air Application: Urea | 100% | Lbs | 200 | 0.070 | 14.00 | |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.749 | 3.60 | 17.10 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 7.97 | 7.97 | |
| Diesel Fuel, Harvest | 100% | Gallons | 5.497 | 3.60 | 19.79 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 17.98 | 17.98 | |
| Irrigation Energy Cost | 100% | Ac-In | 30 | 4.25 | 127.56 | |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 30 | 0.22 | 6.72 | |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 0.60 | 0.60 | |
| Survey Levees | 100% | Acre | 1 | 5.50 | 5.50 | |
| Labor | 100% | Hrs | 1.152 | 10.74 | 12.38 | |
| 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 % | 4.50 | 0.0225 | 13.76 | |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 190.00 | 0.35 | 66.50 | |
| Hauling | 100% | Bu | 190.00 | 0.22 | 41.80 | |
| Check Off, Boards | 100% | Bu | 190.00 | 0.01 | 2.57 | |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | |
| Total Operating Expenses | | | | | \$735.99 | |
| Returns to Operating Expenses | | | | | \$499.01 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 55.86 | 55.86 | |
| Irrigation Equipment | | Acre | 1 | 32.90 | 32.90 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 15.46 | 15.46 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$104.23 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$840.22 | |
| NET RETURNS | | | | | \$394.78 | |

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 | |
| Roller | 32 ft. | Compact Soil | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 16 oz Command |
| Make Levees, Plant Levees | | Three Round-Trips | |
| Levee Gates | | Total Season Activities | |
| Custom Aerial Application | | Herbicide | 1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil |
| Custom Aerial Application | | Fertilizer | 200 lb Urea (46-0-0), 0.40 qt Agrotain treated |
| ATV, Spray Levees | | Herbicide | 0.67 pt Grandstand, 1 gal Rice Shot (Propanil) |
| Flood Field | | | |
| Custom Aerial Application | | Fertilizer | 70 lb Urea (46-0-0) |
| Custom Aerial Application | | Insecticide | 1.6 oz Karate |
| Drain Field | | | |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |
| Remove Levees | | | |
| Roller | 32 ft. | Manage Stubble | |

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

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Command | Preflood | oz | 1.07 | 16.00 | 17.12 | Self-Propelled Sprayer |
| Rice Shot | Post Plant | gal | 27.84 | 1.00 | 27.84 | Custom Aerial Application |
| Facet | Post Plant | lb | 55.00 | 0.33 | 18.15 | Custom Aerial Application |
| Crop Oil | with Post Plant | oz | 0.23 | 32.00 | 7.36 | Custom Aerial Application |
| Grandstand | Spray Levees | pt | 14.19 | 0.07 | 0.95 | ATV |
| Rice Shot | Spray Levees | gal | 27.84 | 0.10 | 2.78 | ATV |
| Total | | | | | 74.20 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.60 | 5.04 | Custom Aerial Application |
| Total | | | | | 5.04 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|---------------------------------|----------------------------------|---------|-------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Roller | 1.71 | 0.40 | 1.52 | 0.48 | 4.11 | 2.00 | 38.0 |
| Ditcher | 0.14 | 0.03 | 0.15 | 0.05 | 0.37 | 1.00 | NA |
| Field Cultivator | 1.93 | 0.73 | 1.54 | 0.48 | 4.69 | 1.00 | 32.0 |
| Land Plane | 2.19 | 0.57 | 2.39 | 0.75 | 5.91 | 1.00 | 17.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Planter Grain Drill | 4.28 | 2.81 | 2.55 | 0.85 | 10.48 | 1.00 | 30.0 |
| Levee Pull, Planter/Incorporate | 0.46 | 0.12 | 0.49 | 0.15 | 1.22 | 3.00 | NA |
| Install Gates & Remove | 0.51 | 0.13 | 0.68 | 0.64 | 1.94 | All | NA |
| Take Down Levees, Levee Pull | 1.22 | 0.32 | 1.35 | 0.42 | 3.31 | All | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 1.00 | 90.0 |
| ATV with Spot, Levee Sprayer | 0.07 | 0.05 | 0.10 | 0.14 | 0.36 | 1.00 | NA |
| Harvest | | | | | | | |
| Combine | 24.20 | 10.55 | 11.39 | 2.81 | 48.95 | 1.00 | NA |
| Rice Head | 2.79 | 4.05 | NA | NA | 6.83 | 1.00 | 25.0 |
| Grain Cart | 8.25 | 3.38 | 8.40 | 2.81 | 22.85 | 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 | 190.00 | 6.50 | 1,235.00 | _____ |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | _____ |
| Seed, Includes All Fees | 100% | Acre | 1 | 167.00 | 167.00 | _____ |
| Nitrogen | 100% | Lbs | 124 | 0.61 | 75.64 | _____ |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | _____ |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | _____ |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | _____ |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | _____ |
| Other Nutrients, Agrotain | 100% | Lbs | 0.40 | 18.63 | 7.45 | _____ |
| Herbicide | 100% | Acre | 1 | 58.71 | 58.71 | _____ |
| Insecticide | 100% | Acre | 1 | 5.04 | 5.04 | _____ |
| Fungicide | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | _____ |
| Air Application: Fertilizer & Chemical | 100% | Acre | 4 | 7.00 | 28.00 | _____ |
| Air Application: Urea | 100% | Lbs | 200 | 0.070 | 14.00 | _____ |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | _____ |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.749 | 3.60 | 17.10 | _____ |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 7.97 | 7.97 | _____ |
| Diesel Fuel, Harvest | 100% | Gallons | 5.497 | 3.60 | 19.79 | _____ |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 17.98 | 17.98 | _____ |
| Irrigation Energy Cost | 100% | Ac-In | 30 | 4.25 | 127.56 | _____ |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 30 | 0.22 | 6.72 | _____ |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 0.60 | 0.60 | _____ |
| Survey Levees | 100% | Acre | 1 | 5.50 | 5.50 | _____ |
| Labor | 100% | Hrs | 1,152 | 10.74 | 12.38 | _____ |
| 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 % | 4.50 | 0.0225 | 14.08 | _____ |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | _____ |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 190.00 | 0.35 | 66.50 | _____ |
| Hauling | 100% | Bu | 190.00 | 0.22 | 41.80 | _____ |
| Check Off, Boards | 100% | Bu | 190.00 | 0.01 | 2.57 | _____ |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | _____ |
| Total Operating Expenses | | | | | \$750.79 | _____ |
| Returns to Operating Expenses | | | | | \$484.21 | _____ |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 55.86 | 55.86 | _____ |
| Irrigation Equipment | | Acre | 1 | 32.90 | 32.90 | _____ |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 15.46 | 15.46 | _____ |
| Total Capital Recovery & Unallocated Costs | | | | | \$104.23 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | | \$855.02 | _____ |
| NET RETURNS | | | | | \$379.98 | _____ |

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 | |
| Roller | 32 ft. | Compact Soil | |
| Self-Propelled Sprayer | 90 ft. | Herbicide | 16 oz Command |
| Make Levees, Plant Levees | | Three Round-Trips | |
| Levee Gates | | Total Season Activities | |
| Custom Aerial Application | | Herbicide | 4 oz Newpath, surfacant |
| Custom Aerial Application | | Herbicide | 4 oz Newpath, surfacant, 1 oz Aim |
| Custom Aerial Application | | Fertilizer | 200 lb Urea (46-0-0), 0.40 qt Agrotain treated |
| ATV, Spray Levees | | Herbicide | 0.67 pt Grandstand, 1 gal Rice Shot (Propanil) |
| Flood Field | | | |
| Custom Aerial Application | | Fertilizer | 70 lb Urea (46-0-0) |
| Custom Aerial Application | | Insecticide | 1.6 oz Karate |
| Drain Field | | | |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |
| Remove Levees | | | |
| Roller | 32 ft. | Manage Stubble | |

Table 17-C. Rice, Clearfield Hybrid Seed: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Command | Preflood | oz | 1.07 | 16.00 | 17.12 | Self-Propelled Sprayer |
| Newpath | Post Plant, 1st | oz | 3.15 | 4.00 | 12.60 | Custom Aerial Application |
| Surfactant | with Post Plant, 1st | oz | 0.22 | 12.00 | 2.64 | Custom Aerial Application |
| Newpath | Post Plant, 2nd | oz | 3.15 | 4.00 | 12.60 | Custom Aerial Application |
| Aim | Post Plant, 2nd | oz | 7.38 | 1.00 | 7.38 | Custom Aerial Application |
| Surfactant | with Post Plant, 2nd | oz | 0.22 | 12.00 | 2.64 | Custom Aerial Application |
| Grandstand | Spray Levees | pt | 14.19 | 0.07 | 0.95 | ATV |
| Rice Shot | Spray Levees | gal | 27.84 | 0.10 | 2.78 | ATV |
| Total | | | | | 58.71 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.60 | 5.04 | Custom Aerial Application |
| Total | | | | | 5.04 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|---------------------------------|----------------------------------|---------|-------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Roller | 1.71 | 0.40 | 1.52 | 0.48 | 4.11 | 2.00 | 38.0 |
| Ditcher | 0.14 | 0.03 | 0.15 | 0.05 | 0.37 | 1.00 | NA |
| Field Cultivator | 1.93 | 0.73 | 1.54 | 0.48 | 4.69 | 1.00 | 32.0 |
| Land Plane | 2.19 | 0.57 | 2.39 | 0.75 | 5.91 | 1.00 | 17.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Planter Grain Drill | 4.28 | 2.81 | 2.55 | 0.85 | 10.48 | 1.00 | 30.0 |
| Levee Pull, Planter/Incorporate | 0.46 | 0.12 | 0.49 | 0.15 | 1.22 | 3.00 | NA |
| Install Gates & Remove | 0.51 | 0.13 | 0.68 | 0.64 | 1.94 | All | NA |
| Take Down Levees, Levee Pull | 1.22 | 0.32 | 1.35 | 0.42 | 3.31 | All | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 1.00 | 90.0 |
| ATV with Spot, Levee Sprayer | 0.07 | 0.05 | 0.10 | 0.14 | 0.36 | 1.00 | NA |
| Harvest | | | | | | | |
| Combine | 24.20 | 10.55 | 11.39 | 2.81 | 48.95 | 1.00 | NA |
| Rice Head | 2.79 | 4.05 | NA | NA | 6.83 | 1.00 | 25.0 |
| Grain Cart | 8.25 | 3.38 | 8.40 | 2.81 | 22.85 | 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 | 170.00 | 6.50 | 1,105.00 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 25.20 | 25.20 | |
| Nitrogen | 100% | Lbs | 152 | 0.61 | 92.72 | |
| Phosphate (P2O5) | 100% | Lbs | 0 | 0.64 | 0.00 | |
| Potash (K2O) | 100% | Lbs | 0 | 0.48 | 0.00 | |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 15.75 | 0.00 | |
| Herbicide | 100% | Acre | 1 | 65.61 | 65.61 | |
| Insecticide | 100% | Acre | 1 | 10.08 | 10.08 | |
| Fungicide | 100% | Acre | 1 | 31.62 | 31.62 | |
| 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% | Acre | 1 | 12.00 | 12.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 0.170 | 3.60 | 0.61 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 0.66 | 0.66 | |
| Diesel Fuel, Harvest | 100% | Gallons | 5.497 | 3.60 | 19.79 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 17.98 | 17.98 | |
| Irrigation Energy Cost | 100% | Ac-In | 24 | 4.25 | 102.05 | |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 24 | 0.22 | 5.38 | |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 0.60 | 0.60 | |
| Survey Levees | 100% | Acre | 1 | 0.00 | 0.00 | |
| Labor | 100% | Hrs | 0.593 | 10.74 | 6.37 | |
| 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 % | 4.50 | 0.0225 | 10.25 | |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 170.00 | 0.35 | 59.50 | |
| Hauling | 100% | Bu | 170.00 | 0.22 | 37.40 | |
| Check Off, Boards | 100% | Bu | 170.00 | 0.01 | 2.30 | |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | |
| Total Operating Expenses | | | | | \$565.21 | |
| Returns to Operating Expenses | | | | | \$539.79 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 36.49 | 36.49 | |
| Irrigation Equipment | | Acre | 1 | 26.91 | 26.91 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 10.42 | 10.42 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$73.81 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$639.01 | |
| NET RETURNS | | | | | \$465.99 | |

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 | |
| Custom Aerial Application | | Herbicide | 1 gal Duet |
| Custom Aerial Application | | Herbicide | 0.5 oz Regiment |
| Custom Aerial Application | | Fertilizer | 230 lb Urea (46-0-0) |
| Flood Field | | | |
| Custom Aerial Application | | Insecticide | 1.6 oz Karate |
| Custom Aerial Application | | Herbicide | 1.5 pt 2,4-D |
| Custom Aerial Application | | Fertilizer | 100 lb Urea (46-0-0) |
| Custom Aerial Application | | Fungicide | 12.8 oz Quadris |
| Custom Aerial Application | | Insecticide | 1.6 oz Karate |
| Drain Field | | | |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 18-C. Rice, Water Seeded: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | pt | 1.79 | 2.00 | 3.58 | Self-Propelled Sprayer |
| Duet | Post Plant, 1st | gal | 38.24 | 1.00 | 38.24 | Custom Aerial Application |
| Regiment | Post Plant, 2nd | oz | 40.64 | 0.50 | 20.32 | Custom Aerial Application |
| 2,4 D | Post Flood | pt | 2.31 | 1.50 | 3.47 | Custom Aerial Application |
| Total | | | | | 65.61 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | | oz | 3.15 | 1.60 | 5.04 | Custom Aerial Application |
| Karate | | oz | 3.15 | 1.60 | 5.04 | Custom Aerial Application |
| Total | | | | | 10.08 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 12.80 | 31.62 | Custom Aerial Application |
| Total | | | | | 31.62 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------|----------------------------------|---------|-------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Ditcher | 0.14 | 0.03 | 0.15 | 0.05 | 0.37 | 1.00 | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 1.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 24.20 | 10.55 | 11.39 | 2.81 | 48.95 | 1.00 | NA |
| Rice Head | 2.79 | 4.05 | NA | NA | 6.83 | 1.00 | 25.0 |
| Grain Cart | 8.25 | 3.38 | 8.40 | 2.81 | 22.85 | 1.00 | NA |

Soybean Budgets
for
2013 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 | 60.00 | 14.50 | 870.00 |
| OPERATING EXPENSES | | | | | |
| | | Unit | Quantity | Price/Unit | Costs |
| Seed, Includes All Fees | 100% | Acre | 1 | 72.00 | 72.00 |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 41.58 | 41.58 |
| Insecticide | 100% | Acre | 1 | 5.67 | 5.67 |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.385 | 3.60 | 15.79 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 9.72 | 9.72 |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 4.25 | 51.02 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.22 | 2.69 |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 3.13 | 3.13 |
| Survey Levees | 100% | Acre | 1 | 0.00 | 0.00 |
| Labor | 100% | Hrs | 0.858 | 10.74 | 9.22 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 0.00 | 0.00 |
| Other Expenses | 100% | Acre | 1 | 0.00 | 0.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 6.98 |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 |
| Post-Harvest Expenses | | | | | |
| Drying | 100% | Bu | 60.00 | 0.00 | 0.00 |
| Hauling | 100% | Bu | 60.00 | 0.22 | 13.20 |
| Check Off, Boards | 100% | Bu | 60.00 | 0.03 | 1.80 |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 |
| Total Operating Expenses | | | | | \$332.41 |
| Returns to Operating Expenses | | | | | \$537.59 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 38.09 | 38.09 |
| Irrigation Equipment | | Acre | 1 | 14.91 | 14.91 |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 10.64 | 10.64 |
| Total Capital Recovery & Unallocated Costs | | | | | \$63.64 |
| TOTAL SPECIFIED EXPENSES | | | | | \$396.05 |
| NET RETURNS | | | | | \$473.95 |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 19-C. Soybean, RR, Furrow Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Prefix | Post Planting | oz | 6.84 | 2.00 | 13.68 | Self-Propelled Sprayer |
| Glyphosate Plus | Late Season | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Flexstar | Late Season | oz | 1.05 | 6.00 | 6.30 | Self-Propelled Sprayer |
| Total | | | | | 41.58 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.80 | 5.67 | Custom Aerial Application |
| Total | | | | | 5.67 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 2.00 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter Twin Row | 4.51 | 3.33 | 1.98 | 0.69 | 10.52 | 1.00 | 38.0 |
| Irrigation Sweep | 1.75 | 0.46 | 1.66 | 0.52 | 4.39 | 1.00 | 26.0 |
| Polypipe; Roll Out, Punch, Take Up | 2.15 | 0.35 | 1.78 | 1.67 | 5.95 | 1.00 | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 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 | 60.00 | 14.50 | 870.00 | _____ |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | _____ |
| Seed, Includes All Fees | 100% | Acre | 1 | 72.00 | 72.00 | _____ |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 | _____ |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | _____ |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | _____ |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | _____ |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | _____ |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | _____ |
| Herbicide | 100% | Acre | 1 | 40.98 | 40.98 | _____ |
| Insecticide | 100% | Acre | 1 | 6.30 | 6.30 | _____ |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Custom Chemical & Fertilizer Applications | | | | | | _____ |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | _____ |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 | _____ |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 | _____ |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | _____ |
| Machinery and Equipment | | | | | | _____ |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.429 | 3.60 | 12.34 | _____ |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.92 | 8.92 | _____ |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 | _____ |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 | _____ |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 6.46 | 77.51 | _____ |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.79 | 9.43 | _____ |
| 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 | 0.710 | 10.74 | 7.63 | _____ |
| 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 % | 4.50 | 0.0225 | 7.53 | _____ |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | _____ |
| Post-Harvest Expenses | | | | | | _____ |
| Drying | 100% | Bu | 60.00 | 0.00 | 0.00 | _____ |
| Hauling | 100% | Bu | 60.00 | 0.22 | 13.20 | _____ |
| Check Off, Boards | 100% | Bu | 60.00 | 0.03 | 1.80 | _____ |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | _____ |
| Total Operating Expenses | | | | | \$357.24 | _____ |
| Returns to Operating Expenses | | | | | \$512.76 | _____ |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 34.18 | 34.18 | _____ |
| Irrigation Equipment | | Acre | 1 | 58.66 | 58.66 | _____ |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 12.06 | 12.06 | _____ |
| Total Capital Recovery & Unallocated Costs | | | | | \$104.90 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | | \$462.14 | _____ |
| NET RETURNS | | | | | \$407.86 | _____ |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 20-C. Soybean, RR, Center Pivot Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Prefix | Post Planting | oz | 6.54 | 2.00 | 13.08 | Self-Propelled Sprayer |
| Glyphosate Plus | Late Season | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Flexstar | Late Season | oz | 1.05 | 6.00 | 6.30 | Self-Propelled Sprayer |
| Total | | | | | 40.98 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.50 | 1.80 | 6.30 | Custom Aerial Application |
| Total | | | | | 6.30 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 2.00 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter Twin Row | 4.51 | 3.33 | 1.98 | 0.69 | 10.52 | 1.00 | 38.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 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 | 14.50 | 435.00 | _____ |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | _____ |
| Seed, Includes All Fees | 100% | Acre | 1 | 72.00 | 72.00 | _____ |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 | _____ |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | _____ |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | _____ |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | _____ |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | _____ |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | _____ |
| Herbicide | 100% | Acre | 1 | 41.60 | 41.60 | _____ |
| Insecticide | 100% | Acre | 1 | 5.67 | 5.67 | _____ |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Custom Chemical & Fertilizer Applications | | | | | | _____ |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | _____ |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 | _____ |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 | _____ |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | _____ |
| Machinery and Equipment | | | | | | _____ |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.429 | 3.60 | 12.34 | _____ |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.92 | 8.92 | _____ |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 | _____ |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 | _____ |
| 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 | 10.74 | 6.60 | _____ |
| Scouting/Consultant Fee | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Expenses | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 5.55 | _____ |
| 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 | | | | | \$259.79 | _____ |
| Returns to Operating Expenses | | | | | \$175.21 | _____ |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 34.18 | 34.18 | _____ |
| Irrigation Equipment | | Acre | 1 | 0.00 | 0.00 | _____ |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 8.55 | 8.55 | _____ |
| Total Capital Recovery & Unallocated Costs | | | | | \$42.73 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | | \$302.52 | _____ |
| NET RETURNS | | | | | \$132.48 | _____ |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 21-C. Soybean, RR, No Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Prefix | Post Planting | pt | 6.84 | 2.00 | 13.68 | Self-Propelled Sprayer |
| Glyphosate Plus | Late Season | oz | 0.11 | 32.00 | 3.52 | Self-Propelled Sprayer |
| Flexstar | Late Season | oz | 1.05 | 6.00 | 6.30 | Self-Propelled Sprayer |
| Total | | | | | 41.60 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.80 | 5.67 | Custom Aerial Application |
| Total | | | | | 5.67 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 2.00 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter Twin Row | 4.51 | 3.33 | 1.98 | 0.69 | 10.52 | 1.00 | 38.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 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 | 60.00 | 14.50 | 870.00 | _____ |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | _____ |
| Seed, Includes All Fees | 100% | Acre | 1 | 72.00 | 72.00 | _____ |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 | _____ |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | _____ |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | _____ |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | _____ |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | _____ |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | _____ |
| Herbicide | 100% | Acre | 1 | 41.66 | 41.66 | _____ |
| Insecticide | 100% | Acre | 1 | 5.67 | 5.67 | _____ |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Custom Chemical & Fertilizer Applications | | | | | | _____ |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | _____ |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 | _____ |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 | _____ |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | _____ |
| Machinery and Equipment | | | | | | _____ |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.471 | 3.60 | 16.09 | _____ |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.98 | 8.98 | _____ |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 | _____ |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 | _____ |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 4.25 | 51.02 | _____ |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.22 | 2.69 | _____ |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 0.60 | 0.60 | _____ |
| Survey Levees | 100% | Acre | 1 | 5.50 | 5.50 | _____ |
| Labor | 100% | Hrs | 0.840 | 10.74 | 9.03 | _____ |
| 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 % | 4.50 | 0.0225 | 7.04 | _____ |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | _____ |
| Post-Harvest Expenses | | | | | | _____ |
| Drying | 100% | Bu | 60.00 | 0.00 | 0.00 | _____ |
| Hauling | 100% | Bu | 60.00 | 0.22 | 13.20 | _____ |
| Check Off, Boards | 100% | Bu | 60.00 | 0.03 | 1.80 | _____ |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | _____ |
| Total Operating Expenses | | | | | \$334.89 | _____ |
| Returns to Operating Expenses | | | | | \$535.11 | _____ |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 36.19 | 36.19 | _____ |
| Irrigation Equipment | | Acre | 1 | 14.91 | 14.91 | _____ |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 10.17 | 10.17 | _____ |
| Total Capital Recovery & Unallocated Costs | | | | | \$61.27 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | | \$396.17 | _____ |
| NET RETURNS | | | | | \$473.83 | _____ |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 22-C. Soybean, RR, Flood Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Glyphosate Plus | Post Planting | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Prefix | Post Planting | oz | 0.43 | 32.00 | 13.76 | Self-Propelled Sprayer |
| Glyphosate Plus | Late Season | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Flexstar | Late Season | oz | 1.05 | 6.00 | 6.30 | Self-Propelled Sprayer |
| Total | | | | | 41.66 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.80 | 5.67 | Custom Aerial Application |
| Total | | | | | 5.67 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Ditcher | 0.14 | 0.03 | 0.15 | 0.05 | 0.37 | 1.00 | NA |
| Field Cultivator | 1.93 | 0.73 | 1.54 | 0.48 | 4.69 | 2.00 | 32.0 |
| Land Plane | 2.19 | 0.57 | 2.39 | 0.75 | 5.91 | 1.00 | 17.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Planter Grain Drill | 4.28 | 2.81 | 2.55 | 0.85 | 10.48 | 1.00 | 30.0 |
| Levee Pull | 0.41 | 0.11 | 0.45 | 0.14 | 1.10 | 2.00 | NA |
| Install Gates & Remove | 1.01 | 0.25 | 1.35 | 1.27 | 3.89 | All | NA |
| Take Down Levees, Levee Pull | 0.81 | 0.21 | 0.90 | 0.28 | 2.21 | All | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 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 | 60.00 | 14.50 | 870.00 |
| OPERATING EXPENSES | | | | | |
| | | Unit | Quantity | Price/Unit | Costs |
| Seed, Includes All Fees | 100% | Acre | 1 | 66.00 | 66.00 |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 60.18 | 60.18 |
| Insecticide | 100% | Acre | 1 | 5.67 | 5.67 |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.385 | 3.60 | 15.79 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 9.72 | 9.72 |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 4.25 | 51.02 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.22 | 2.69 |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 3.13 | 3.13 |
| Survey Levees | 100% | Acre | 1 | 0.00 | 0.00 |
| Labor | 100% | Hrs | 0.858 | 10.74 | 9.22 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 0.00 | 0.00 |
| Other Expenses | 100% | Acre | 1 | 0.00 | 0.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 7.27 |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 |
| Post-Harvest Expenses | | | | | |
| Drying | 100% | Bu | 60.00 | 0.00 | 0.00 |
| Hauling | 100% | Bu | 60.00 | 0.22 | 13.20 |
| Check Off, Boards | 100% | Bu | 60.00 | 0.03 | 1.80 |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 |
| Total Operating Expenses | | | | | \$345.29 |
| Returns to Operating Expenses | | | | | \$524.71 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 38.09 | 38.09 |
| Irrigation Equipment | | Acre | 1 | 14.91 | 14.91 |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 10.64 | 10.64 |
| Total Capital Recovery & Unallocated Costs | | | | | \$63.64 |
| TOTAL SPECIFIED EXPENSES | | | | | \$408.93 |
| NET RETURNS | | | | | \$461.07 |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 23-C. Soybean, LL, Furrow Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 29.00 | 15.95 | Self-Propelled Sprayer |
| Prefix | Post Planting | oz | 6.84 | 2.00 | 13.68 | Self-Propelled Sprayer |
| Liberty | Late Season | oz | 0.55 | 29.00 | 15.95 | Self-Propelled Sprayer |
| Total | | | | | 60.18 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.80 | 5.67 | Custom Aerial Application |
| Total | | | | | 5.67 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 2.00 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter Twin Row | 4.51 | 3.33 | 1.98 | 0.69 | 10.52 | 1.00 | 38.0 |
| Irrigation Sweep | 1.75 | 0.46 | 1.66 | 0.52 | 4.39 | 1.00 | 26.0 |
| Polypipe; Roll Out, Punch, Take Up | 2.15 | 0.35 | 1.78 | 1.67 | 5.95 | 1.00 | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 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 | 60.00 | 14.50 | 870.00 | _____ |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | _____ |
| Seed, Includes All Fees | 100% | Acre | 1 | 66.00 | 66.00 | _____ |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 | _____ |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | _____ |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | _____ |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | _____ |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | _____ |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | _____ |
| Herbicide | 100% | Acre | 1 | 60.18 | 60.18 | _____ |
| Insecticide | 100% | Acre | 1 | 5.67 | 5.67 | _____ |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Custom Chemical & Fertilizer Applications | | | | | | _____ |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | _____ |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 | _____ |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 | _____ |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | _____ |
| Machinery and Equipment | | | | | | _____ |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.429 | 3.60 | 12.34 | _____ |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.92 | 8.92 | _____ |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 | _____ |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 | _____ |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 6.46 | 77.51 | _____ |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.79 | 9.43 | _____ |
| 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 | 0.710 | 10.74 | 7.63 | _____ |
| 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 % | 4.50 | 0.0225 | 7.81 | _____ |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | _____ |
| Post-Harvest Expenses | | | | | | _____ |
| Drying | 100% | Bu | 60.00 | 0.00 | 0.00 | _____ |
| Hauling | 100% | Bu | 60.00 | 0.22 | 13.20 | _____ |
| Check Off, Boards | 100% | Bu | 60.00 | 0.03 | 1.80 | _____ |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | _____ |
| Total Operating Expenses | | | | | \$370.09 | _____ |
| Returns to Operating Expenses | | | | | \$499.91 | _____ |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 34.18 | 34.18 | _____ |
| Irrigation Equipment | | Acre | 1 | 58.66 | 58.66 | _____ |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 12.06 | 12.06 | _____ |
| Total Capital Recovery & Unallocated Costs | | | | | \$104.90 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | | \$474.99 | _____ |
| NET RETURNS | | | | | \$395.01 | _____ |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 24-C. Soybean, LL, Center Pivot Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 29.00 | 15.95 | Self-Propelled Sprayer |
| Prefix | Post Planting | pt | 6.84 | 2.00 | 13.68 | Self-Propelled Sprayer |
| Liberty | Late Season | oz | 0.55 | 29.00 | 15.95 | Self-Propelled Sprayer |
| Total | | | | | 60.18 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.80 | 5.67 | Custom Aerial Application |
| Total | | | | | 5.67 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 2.00 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter Twin Row | 4.51 | 3.33 | 1.98 | 0.69 | 10.52 | 1.00 | 38.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 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 | 14.50 | 435.00 | _____ |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 66.00 | 66.00 | _____ |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 | _____ |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | _____ |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 | _____ |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 | _____ |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 | _____ |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | _____ |
| Herbicide | 100% | Acre | 1 | 60.18 | 60.18 | _____ |
| Insecticide | 100% | Acre | 1 | 5.67 | 5.67 | _____ |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | _____ |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 | _____ |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 | _____ |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | _____ |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.429 | 3.60 | 12.34 | _____ |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.92 | 8.92 | _____ |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 | _____ |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 | _____ |
| 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 | 10.74 | 6.60 | _____ |
| Scouting/Consultant Fee | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Other Expenses | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 | _____ |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 5.83 | _____ |
| 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 | | | | | \$272.65 | _____ |
| Returns to Operating Expenses | | | | | \$162.35 | _____ |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 34.18 | 34.18 | _____ |
| Irrigation Equipment | | Acre | 1 | 0.00 | 0.00 | _____ |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 8.55 | 8.55 | _____ |
| Total Capital Recovery & Unallocated Costs | | | | | \$42.73 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | | \$315.38 | _____ |
| NET RETURNS | | | | | \$119.62 | _____ |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 25-C. Soybean, LL, No Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 29.00 | 15.95 | Self-Propelled Sprayer |
| Prefix | Post Planting | oz | 6.84 | 2.00 | 13.68 | Self-Propelled Sprayer |
| Liberty | Late Season | oz | 0.55 | 29.00 | 15.95 | Self-Propelled Sprayer |
| Total | | | | | 60.18 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.80 | 5.67 | Custom Aerial Application |
| Total | | | | | 5.67 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 2.00 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter Twin Row | 4.51 | 3.33 | 1.98 | 0.69 | 10.52 | 1.00 | 38.0 |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 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 | 60.00 | 14.50 | 870.00 |
| OPERATING EXPENSES | | | | | |
| | | Unit | Quantity | Price/Unit | Costs |
| Seed, Includes All Fees | 100% | Acre | 1 | 66.00 | 66.00 |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 60.18 | 60.18 |
| Insecticide | 100% | Acre | 1 | 5.67 | 5.67 |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.471 | 3.60 | 16.09 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 8.98 | 8.98 |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 4.25 | 51.02 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.22 | 2.69 |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 0.60 | 0.60 |
| Survey Levees | 100% | Acre | 1 | 5.50 | 5.50 |
| Labor | 100% | Hrs | 0.840 | 10.74 | 9.03 |
| 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 % | 4.50 | 0.0225 | 7.32 |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 |
| Post-Harvest Expenses | | | | | |
| Drying | 100% | Bu | 60.00 | 0.00 | 0.00 |
| Hauling | 100% | Bu | 60.00 | 0.22 | 13.20 |
| Check Off, Boards | 100% | Bu | 60.00 | 0.03 | 1.80 |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 |
| Total Operating Expenses | | | | | \$347.69 |
| Returns to Operating Expenses | | | | | \$522.31 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 36.19 | 36.19 |
| Irrigation Equipment | | Acre | 1 | 14.91 | 14.91 |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 10.17 | 10.17 |
| Total Capital Recovery & Unallocated Costs | | | | | \$61.27 |
| TOTAL SPECIFIED EXPENSES | | | | | \$408.97 |
| NET RETURNS | | | | | \$461.03 |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 26-C. Soybean, LL, Flood Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.50 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Liberty | Post Planting | oz | 0.55 | 29.00 | 15.95 | Self-Propelled Sprayer |
| Prefix | Post Planting | pt | 6.84 | 2.00 | 13.68 | Self-Propelled Sprayer |
| Liberty | Late Season | oz | 0.55 | 29.00 | 15.95 | Self-Propelled Sprayer |
| Total | | | | | 60.18 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.80 | 5.67 | Custom Aerial Application |
| Total | | | | | 5.67 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Ditcher | 0.14 | 0.03 | 0.15 | 0.05 | 0.37 | 1.00 | NA |
| Field Cultivator | 1.93 | 0.73 | 1.54 | 0.48 | 4.69 | 2.00 | 32.0 |
| Land Plane | 2.19 | 0.57 | 2.39 | 0.75 | 5.91 | 1.00 | 17.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Planter Grain Drill | 4.28 | 2.81 | 2.55 | 0.85 | 10.48 | 1.00 | 30.0 |
| Levee Pull | 0.41 | 0.11 | 0.45 | 0.14 | 1.10 | 2.00 | NA |
| Install Gates & Remove | 1.01 | 0.25 | 1.35 | 1.27 | 3.89 | All | NA |
| Take Down Levees, Levee Pull | 0.81 | 0.21 | 0.90 | 0.28 | 2.21 | All | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 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 | 60.00 | 14.50 | 870.00 |
| OPERATING EXPENSES | | | | | |
| | | Unit | Quantity | Price/Unit | Costs |
| Seed, Includes All Fees | 100% | Acre | 1 | 49.80 | 49.80 |
| Nitrogen | 100% | Lbs | 0 | 0.68 | 0.00 |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 |
| Potash (K2O) | 100% | Lbs | 60 | 0.48 | 28.80 |
| Sulfur | 100% | Lbs | 0 | 0.28 | 0.00 |
| Boron | 100% | Lbs | 0.00 | 4.97 | 0.00 |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 |
| Herbicide | 100% | Acre | 1 | 69.34 | 69.34 |
| Insecticide | 100% | Acre | 1 | 5.67 | 5.67 |
| Fungicide | 100% | Acre | 1 | 14.82 | 14.82 |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 |
| Custom Chemical & Fertilizer Applications | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 |
| Air Application: Fertilizer & Chemical | 100% | Acre | 2 | 7.00 | 14.00 |
| Air Application: Urea | 100% | Lbs | 0 | 0.070 | 0.00 |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 |
| Machinery and Equipment | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 4.385 | 3.60 | 15.79 |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 9.72 | 9.72 |
| Diesel Fuel, Harvest | 100% | Gallons | 2.443 | 3.60 | 8.79 |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 7.59 | 7.59 |
| Irrigation Energy Cost | 100% | Ac-In | 12 | 4.25 | 51.02 |
| Irrigation System Repairs & Maintenance | 100% | Ac-In | 12 | 0.22 | 2.69 |
| Irrigation Supplies (ex. polypipe, levee gates) | 100% | Acre | 1 | 3.13 | 3.13 |
| Survey Levees | 100% | Acre | 1 | 0.00 | 0.00 |
| Labor | 100% | Hrs | 0.858 | 10.74 | 9.22 |
| Scouting/Consultant Fee | 100% | Acre | 1 | 0.00 | 0.00 |
| Other Expenses | 100% | Acre | 1 | 0.00 | 0.00 |
| Crop Insurance | 100% | Acre | 1 | 0.00 | 0.00 |
| Interest, Annual Rate for 6 Months | 100% | Rate % | 4.50 | 0.0225 | 7.11 |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 |
| Post-Harvest Expenses | | | | | |
| Drying | 100% | Bu | 60.00 | 0.00 | 0.00 |
| Hauling | 100% | Bu | 60.00 | 0.22 | 13.20 |
| Check Off, Boards | 100% | Bu | 60.00 | 0.03 | 1.80 |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 |
| Total Operating Expenses | | | | | \$338.09 |
| Returns to Operating Expenses | | | | | \$531.91 |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 38.09 | 38.09 |
| Irrigation Equipment | | Acre | 1 | 14.91 | 14.91 |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 10.64 | 10.64 |
| Total Capital Recovery & Unallocated Costs | | | | | \$63.64 |
| TOTAL SPECIFIED EXPENSES | | | | | \$401.74 |
| NET RETURNS | | | | | \$468.26 |

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 | |
| 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 | 305 hp | Harvest | |
| Head | 30 ft Flex | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 27-C. Soybean, Conventional, Furrow Irrigated: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Glyphosate Plus | Burndown | oz | 0.11 | 32.00 | 3.52 | Self-Propelled Sprayer |
| Valor | Burndown | oz | 5.55 | 2.00 | 11.10 | Self-Propelled Sprayer |
| Prefix | Post Planting | oz | 6.84 | 2.00 | 13.68 | Self-Propelled Sprayer |
| Storm | | oz | 0.66 | 24.00 | 15.84 | Self-Propelled Sprayer |
| Flexstar | Late Season | oz | 1.05 | 24.00 | 25.20 | Self-Propelled Sprayer |
| Total | | | | | 69.34 | |

| Insecticide Detail | | | | | | |
|--------------------|-----------------------|------|-------|-------------|-------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Karate | Only One Application | oz | 3.15 | 1.80 | 5.67 | Custom Aerial Application |
| Total | | | | | 5.67 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quadris | Only One Application | oz | 2.47 | 6.00 | 14.82 | Custom Aerial Application |
| Total | | | | | 14.82 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|------------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital Recovery | Repairs | Fuel | Labor | Total | No. Field Trips | Feet, Width |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Bedder, Hipper | 2.54 | 0.81 | 2.15 | 0.67 | 6.17 | 2.00 | 38.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 1.00 | 30.0 |
| Do All, Seedbed Finisher | 1.51 | 0.54 | 1.30 | 0.41 | 3.76 | 1.00 | 38.0 |
| Planter Twin Row | 4.51 | 3.33 | 1.98 | 0.69 | 10.52 | 1.00 | 38.0 |
| Irrigation Sweep | 1.75 | 0.46 | 1.66 | 0.52 | 4.39 | 1.00 | 26.0 |
| Polypipe; Roll Out, Punch, Take Up | 2.15 | 0.35 | 1.78 | 1.67 | 5.95 | 1.00 | NA |
| Self-Propelled | | | | | | | |
| Self-Propelled Sprayer | 1.10 | 0.63 | 0.47 | 0.16 | 2.36 | 3.00 | 90.0 |
| Harvest | | | | | | | |
| Combine | 10.76 | 4.69 | 5.06 | 1.25 | 21.75 | 1.00 | NA |
| Soybean Head | 0.96 | 1.40 | NA | NA | 2.36 | 1.00 | 25.0 |
| Grain Cart | 3.67 | 1.50 | 3.73 | 1.25 | 10.15 | 1.00 | NA |

Wheat Budget
for
2013 Planting

Table 28-A. Arkansas Wheat Enterprise Budget

| CROP VALUE | Grower % | Unit | Yield | Price/Unit | Revenue | Your Farm |
|---|-----------------|-------------|-----------------|-------------------|-----------------|------------------|
| Crop Value | 100% | Bu | 55.00 | 8.00 | 440.00 | |
| OPERATING EXPENSES | | | | | | |
| | | Unit | Quantity | Price/Unit | Costs | |
| Seed, Includes All Fees | 100% | Acre | 1 | 34.00 | 34.00 | |
| Nitrogen | 100% | Lbs | 116 | 0.61 | 70.76 | |
| Phosphate (P2O5) | 100% | Lbs | 40 | 0.64 | 25.60 | |
| Potash (K2O) | 100% | Lbs | 80 | 0.48 | 38.40 | |
| Sulfur | 100% | Lbs | 12 | 0.28 | 3.36 | |
| Boron | 100% | Lbs | 0.00 | 0.00 | 0.00 | |
| Other Nutrients, Including Poultry Litter | 100% | Lbs | 0.00 | 0.00 | 0.00 | |
| Herbicide | 100% | Acre | 1 | 27.35 | 27.35 | |
| Insecticide | 100% | Acre | 1 | 0.00 | 0.00 | |
| Fungicide | 100% | Acre | 1 | 16.94 | 16.94 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Other Chemical | 100% | Acre | 1 | 0.00 | 0.00 | |
| Custom Chemical & Fertilizer Applications | | | | | | |
| Ground Application: Fertilizer & Chemical | 100% | Acre | 0 | 6.00 | 0.00 | |
| Air Application: Fertilizer & Chemical | 100% | Acre | 3 | 7.00 | 21.00 | |
| Air Application: Urea | 100% | Lbs | 100 | 0.070 | 7.00 | |
| Other Custom Hire, Air Seeding | 100% | Acre | 0 | 12.00 | 0.00 | |
| Machinery and Equipment | | | | | | |
| Diesel Fuel, Pre-Post Harvest | 100% | Gallons | 3.166 | 3.60 | 11.40 | |
| Repairs and Maintenance, Pre-Post Harvest | 100% | Acre | 1.00 | 6.20 | 6.20 | |
| Diesel Fuel, Harvest | 100% | Gallons | 3.141 | 3.60 | 11.31 | |
| Repairs and Maintenance, Harvest | 100% | Acre | 1 | 9.69 | 9.69 | |
| 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 | 10.74 | 7.08 | |
| 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 % | 4.50 | 0.0225 | 6.53 | |
| Custom Harvest | 100% | Acre | 0.00 | 0.00 | 0.00 | |
| Post-Harvest Expenses | | | | | | |
| Drying | 100% | Bu | 55.00 | 0.00 | 0.00 | |
| Hauling | 100% | Bu | 55.00 | 0.22 | 12.10 | |
| Check Off, Boards | 100% | Bu | 55.00 | 0.00 | 0.00 | |
| Cash Rent | | Acre | 1.00 | 0.00 | 0.00 | |
| Total Operating Expenses | | | | | \$308.72 | |
| Returns to Operating Expenses | | | | | \$131.28 | |
| CAPITAL RECOVERY & UNALLOCATED COSTS | | | | | | |
| Pre-Harvest, Post-Harvest, and Harvest Machinery | | Acre | 1 | 34.06 | 34.06 | |
| Irrigation Equipment | | Acre | 1 | 0.00 | 0.00 | |
| Miscellaneous Overhead; See Note 1 | | Acre | 1 | 8.52 | 8.52 | |
| Total Capital Recovery & Unallocated Costs | | | | | \$42.58 | |
| TOTAL SPECIFIED EXPENSES | | | | | \$351.30 | |
| NET RETURNS | | | | | \$88.70 | |

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 | |
| Fertilizer Spreader | 60 ft. | Fertilizer | 65 lbs Urea (46-0-0) & N,P,K,S (10-0-0-12) |
| Custom Aerial Application | | Herbicide | 16.4 oz Axial |
| Custom Aerial Application | | Herbicide | 0.6 oz Harmony Extra XP, 12 oz surfactant |
| Custom Aerial Application | | Fertilizer | 100 lbs Urea (46-0-0) |
| Custom Aerial Application | | Fungicide | 14 oz Quilt |
| Combine | 305 hp | Harvest | |
| Head | 25 ft Rigid | Harvest | |
| Grain Wagon (700 bu) | | Harvest | |

Table 28-C. Wheat, No Irrigation: Chemical Details

| Herbicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Axial | Post Planting | oz | 0.98 | 16.40 | 16.07 | Custom Aerial Application |
| Harmony Extra XP | Post Planting | oz | 14.40 | 0.60 | 8.64 | Custom Aerial Application |
| Surfactant | with Harmony | oz | 0.22 | 12.00 | 2.64 | Custom Aerial Application |
| Total | | | | | 27.35 | |

| Fungicide Detail | | | | | | |
|------------------|-----------------------|------|-------|-------------|--------------|---------------------------|
| Name, Brand | Schedule, Description | Unit | Price | Quantity/Ac | Costs | Application Method |
| Quilt | 0.00 | oz | 1.21 | 14.00 | 16.94 | Custom Aerial Application |
| Total | | | | | 16.94 | |

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

| Implement | Costs per Acre-Trip, \$ per Acre | | | | | Details | |
|--------------------------------|----------------------------------|---------|------|-------|-------|-----------------|-------------|
| | Capital | | | | | No. Field Trips | Feet, Width |
| | Recovery | Repairs | Fuel | Labor | Total | | |
| Disk | 2.97 | 1.01 | 1.97 | 0.62 | 6.56 | 1.00 | 32.0 |
| Ditcher | 0.14 | 0.03 | 0.15 | 0.05 | 0.37 | 1.00 | NA |
| Field Cultivator | 1.93 | 0.73 | 1.54 | 0.48 | 4.69 | 1.00 | 32.0 |
| Land Plane | 2.19 | 0.57 | 2.39 | 0.75 | 5.91 | 1.00 | 17.0 |
| Fertilizer, Broadcast Spreader | 1.41 | 0.52 | 1.40 | 0.56 | 3.89 | 2.00 | 30.0 |
| Planter Grain Drill | 4.28 | 2.81 | 2.55 | 0.85 | 10.48 | 1.00 | 30.0 |
| Harvest | | | | | | | |
| Combine | 13.83 | 6.03 | 6.51 | 1.61 | 27.97 | 1.00 | NA |
| Wheat/Sorghum Head | 1.19 | 1.73 | NA | NA | 2.91 | 1.00 | 25.0 |
| Grain Cart | 4.72 | 1.93 | 4.80 | 1.61 | 13.06 | 1.00 | NA |

Budget Summaries
for
2013 Planting

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

| Receipts | Cotton | Corn | Sorghum | Soybean, Furrow | Rice, Conventional | Rice, Hybrid |
|---|---------------|----------------|---------------|--------------------|-----------------------|-----------------|
| Yield (cotton-lb,other-bu) | 1200 | 175 | 110 | 60 | 170 | 190 |
| Price (\$/yield unit) | 0.70 | 7.00 | 6.15 | 14.50 | 6.50 | 6.50 |
| Total Crop Revenue | 840.00 | 1225.00 | 676.50 | 870.00 | 1105.00 | 1235.00 |
| Cottonseed Value | 145.08 | | | | | |
| Operating Expenses | | | | | | |
| Seed | 106.26 | 119.46 | 22.69 | 72.00 | 22.32 | 144.04 |
| Fertilizers & Nutrients | 115.93 | 252.81 | 149.31 | 54.40 | 155.69 | 137.49 |
| Chemicals | 120.47 | 17.62 | 31.68 | 62.07 | 110.86 | 79.24 |
| Custom Applications | 0.00 | 7.00 | 11.55 | 14.00 | 44.10 | 35.00 |
| Fuel | 46.03 | 27.62 | 27.79 | 24.58 | 36.89 | 36.89 |
| Repairs & Maintenance | 38.85 | 24.00 | 20.93 | 20.00 | 32.67 | 32.67 |
| Irrigation Energy Costs | 51.02 | 63.78 | 42.52 | 51.02 | 127.56 | 127.56 |
| Labor, Field Activities | 19.95 | 10.35 | 10.21 | 9.22 | 12.38 | 12.38 |
| Other Inputs & Fees, Pre-harvest | 37.93 | 14.96 | 10.33 | 10.74 | 18.44 | 19.86 |
| Post-harvest Expenses | 145.08 | 73.50 | 25.30 | 15.00 | 99.20 | 110.87 |
| Net Operating Expenses | 536.45 | 611.11 | 352.31 | 333.03 | 660.10 | 735.99 |
| Returns to Operating Expenses | 303.55 | 613.89 | 324.19 | 536.97 | 444.90 | 499.01 |
| Capital Recovery & Fixed Costs | 125.98 | 67.20 | 65.73 | 63.64 | 104.23 | 104.23 |
| Total Specified Expenses¹ | 662.43 | 678.30 | 418.03 | 396.67 | 764.33 | 840.22 |
| Returns to Specified Expenses | 177.57 | 546.70 | 258.47 | 473.33 | 340.67 | 394.78 |
| Operating Expenses/yield unit | 0.45 | 3.49 | 3.20 | 5.55 | 3.88 | 3.87 |
| Total Expenses/yield unit | 0.55 | 3.88 | 3.80 | 6.61 | 4.50 | 4.42 |

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 | 175 | 110 | 60 |
| Price (\$/yield unit) | 0.70 | 7.00 | 6.15 | 14.50 |
| Total Crop Revenue | 840.00 | 1225.00 | 676.50 | 870.00 |
| Cottonseed Value | 145.08 | | | |
| Operating Expenses | | | | |
| Seed | 106.26 | 119.46 | 22.69 | 72.00 |
| Fertilizers & Nutrients | 115.93 | 215.91 | 149.31 | 54.40 |
| Chemicals | 122.35 | 17.62 | 32.22 | 62.10 |
| Custom Applications | 0.00 | 7.00 | 11.55 | 14.00 |
| Fuel | 42.59 | 24.18 | 24.35 | 21.14 |
| Repairs & Maintenance | 44.79 | 31.62 | 25.72 | 25.94 |
| Irrigation Energy Costs | 77.51 | 96.88 | 64.59 | 77.51 |
| Labor, Field Activities | 18.36 | 8.91 | 8.52 | 7.63 |
| Other Inputs & Fees, Pre-harvest | 35.39 | 11.74 | 7.63 | 7.53 |
| Post-harvest Expenses | 145.08 | 73.50 | 25.30 | 15.00 |
| Net Operating Expenses | 563.17 | 606.82 | 371.87 | 357.24 |
| Returns to Operating Expenses | 276.83 | 618.18 | 304.63 | 512.76 |
| Capital Recovery & Fixed Costs | 167.24 | 125.46 | 99.27 | 104.90 |
| Total Specified Expenses¹ | 730.41 | 732.29 | 471.14 | 462.14 |
| Returns to Specified Expenses | 109.59 | 492.71 | 205.36 | 407.86 |
| Operating Expenses/yield unit | 0.47 | 3.47 | 3.38 | 5.95 |
| Total Expenses/yield unit | 0.61 | 4.18 | 4.28 | 7.70 |

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 | 55 |
| Price (\$/yield unit) | 0.70 | 7.00 | 6.15 | 14.50 | 8.00 |
| Total Crop Revenue | 560.00 | 875.00 | 430.50 | 435.00 | 440.00 |
| Cottonseed Value | 96.72 | | | | |
| Operating Expenses | | | | | |
| Seed | 106.26 | 94.12 | 15.71 | 72.00 | 34.00 |
| Fertilizers & Nutrients | 85.85 | 212.16 | 137.11 | 54.40 | 138.12 |
| Chemicals | 112.07 | 18.66 | 32.22 | 62.09 | 44.29 |
| Custom Applications | 0.00 | 0.00 | 8.54 | 14.00 | 28.00 |
| Fuel | 42.12 | 24.18 | 24.35 | 21.14 | 22.71 |
| Repairs & Maintenance | 34.73 | 19.84 | 17.89 | 16.51 | 15.89 |
| Irrigation Energy Costs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Labor, Field Activities | 17.17 | 7.62 | 7.66 | 6.60 | 7.08 |
| Other Inputs & Fees, Pre-harvest | 32.48 | 8.47 | 5.48 | 5.55 | 6.53 |
| Post-harvest Expenses | 96.72 | 52.50 | 16.10 | 7.50 | 12.10 |
| Net Operating Expenses | 430.67 | 437.56 | 265.05 | 259.79 | 308.72 |
| Returns to Operating Expenses | 129.33 | 437.44 | 165.45 | 175.21 | 131.28 |
| Capital Recovery & Fixed Costs | 103.69 | 48.97 | 46.92 | 42.73 | 42.58 |
| Total Specified Expenses¹ | 534.36 | 486.53 | 311.97 | 302.52 | 351.30 |
| Returns to Specified Expenses | 25.64 | 388.47 | 118.53 | 132.48 | 88.70 |
| Operating Expenses/yield unit | 0.54 | 3.50 | 3.79 | 8.66 | 5.61 |
| Total Expenses/yield unit | 0.67 | 3.89 | 4.46 | 10.08 | 6.39 |

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

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