



# 2011 Crop Enterprise Budgets

for Arkansas Field Crops Planted in 2011

AG -1262

# 2011 Crop Enterprise Budgets

AG-1262

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## Forward

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

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

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

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

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## **2011 Crop Enterprise Budgets**

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

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

### **Summary of Methods**

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

Ownership costs and repair expenses for machinery are estimated by applying engineering formulas to representative prices of new equipment (Givan 1991; Lazarus and Selly 2002). Repair expenses in crop enterprise budgets should be regarded as estimates of full service repairs, and actual cash expenses for repairs may be lower than expenses presented in crop enterprise budgets. Machinery performance rates of field activities utilized for machinery costs are used to estimate time requirements of an activity which is applied to an hourly wage rate for determining labor costs (USDA, NASS 2010b). Labor costs in crop enterprise budgets represent time devoted to specified field activities. Potentially additional labor costs not associated with field activities are subsumed in the expense category miscellaneous overhead. Actual labor expenses for a farm could be reduced by employing owner unpaid labor.

Ownership costs of machinery are determined by the capital recovery method which determines the amount of money that should be set aside each year to replace the value of equipment used in

production (Kay and Edwards 1999). This measure differs from typical depreciation methods, as well as actual cash expenses for machinery. Amortization factors applied for capital recovery estimation coincide with real interest rates (Edwards 2005). Nominal interest rates are average effective interest rates for farm machinery and equipment (Federal Reserve System 2010). Real interest rates are calculated by applying the implicit price deflator for gross domestic product (USDC, BEA 2010). Representative prices for equipment are based on numerous sources of information including average U.S. prices (USDA, NASS 2010a) and industry list prices (John Deere 2010; IRON Solutions 2010).

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

Corn Budgets  
for  
2011 Planting

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

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

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



Table 1-B. Corn Field Activities, Furrow Irrigation

| Field Trip                | Width  | Activity                | Stacked Gene (HX1/LL/RR2)           |
|---------------------------|--------|-------------------------|-------------------------------------|
| Paratill, 1/3 of land     | 6 Row  | Fall Tillage            |                                     |
| Hipper, 2/3 of land       | 12 Row | Fall Tillage            |                                     |
| Self-Propelled Sprayer    | 90 ft. | Herbicide ( Burndown)   | 2 pt Glysophate Plus                |
| Hipper                    | 12 Row | Tillage                 |                                     |
| Fertilizer Spreader       | 60 ft. | Fertilizer              | Mixed N,P,K,S,Zn (75-60-90-24-10)   |
| Do All (Seedbed Finisher) | 12 Row | Tillage                 |                                     |
| Planter                   | 12 Row | Plant                   |                                     |
| Self-Propelled Sprayer    | 90 ft. | Herbicide               | 2 pt Glysophate Plus, 2 pt Atrazine |
| Knife Rig                 | 12 Row | Fertilizer              | 29 gal UAN 32%                      |
| Self-Propelled Sprayer    | 90 ft. | Herbicide               | 2 pt Glysophate Plus, 2 pt Atrazine |
| Irrigation Sweep          | 12 Row | Tillage                 |                                     |
| Irrigation Polypipe Spool |        | Total Season Activities |                                     |
| Custom Aerial Application |        | Fertilizer              | 100 lbs Urea (46-0-0)               |
| Combine                   | 305 hp | Harvest                 |                                     |
| Corn Head                 | 8 Row  | Harvest                 |                                     |
| Grain Wagon (700 bu)      |        | Harvest                 |                                     |

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

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

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

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

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

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

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

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

| Field Trip                | Width  | Activity              | Stacked Gene (HX1/LL/RR2)           |
|---------------------------|--------|-----------------------|-------------------------------------|
| Paratill, 1/3 of land     | 6 Row  | Fall Tillage          |                                     |
| Hipper, 2/3 of land       | 12 Row | Fall Tillage          |                                     |
| Self-Propelled Sprayer    | 90 ft. | Herbicide ( Burndown) | 2 pt Glysophate Plus                |
| Hipper                    | 12 Row | Tillage               |                                     |
| Fertilizer Spreader       | 60 ft. | Fertilizer            | Mixed N,P,K,S,Zn (75-60-90-24-10)   |
| Do All (Seedbed Finisher) | 12 Row | Tillage               |                                     |
| Planter                   | 12 Row | Plant                 |                                     |
| Self-Propelled Sprayer    | 90 ft. | Herbicide             | 2 pt Glysophate Plus, 2 pt Atrazine |
| Knife Rig                 | 12 Row | Fertilizer            | 29 gal UAN 32%                      |
| Self-Propelled Sprayer    | 90 ft. | Herbicide             | 2 pt Glysophate Plus, 2 pt Atrazine |
| Custom Aerial Application |        | Fertilizer            | 100 lbs Urea (46-0-0)               |
| Combine                   | 305 hp | Harvest               |                                     |
| Corn Head                 | 8 Row  | Harvest               |                                     |
| Grain Wagon (700 bu)      |        | Harvest               |                                     |

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

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

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

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

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

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

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



Table 3-B. Corn Field Activities, No Irrigation

| Field Trip                | Width  | Activity              | Stacked Gene (HX1/LL/RR2)           |
|---------------------------|--------|-----------------------|-------------------------------------|
| Paratill, 1/3 of land     | 6 Row  | Fall Tillage          |                                     |
| Hipper, 2/3 of land       | 12 Row | Fall Tillage          |                                     |
| Self-Propelled Sprayer    | 90 ft. | Herbicide ( Burndown) | 2 pt Glysophate Plus                |
| Hipper                    | 12 Row | Tillage               |                                     |
| Fertilizer Spreader       | 60 ft. | Fertilizer            | Mixed N,P,K,S,Zn (50-60-90-24-10)   |
| Do All (Seedbed Finisher) | 12 Row | Tillage               |                                     |
| Planter                   | 12 Row | Plant                 |                                     |
| Self-Propelled Sprayer    | 90 ft. | Herbicide             | 2 pt Glysophate Plus, 2 pt Atrazine |
| Knife Rig                 | 12 Row | Fertilizer            | 30 gal UAN 32%                      |
| Self-Propelled Sprayer    | 90 ft. | Herbicide             | 2 pt Glysophate Plus, 2 pt Atrazine |
| Combine                   | 305 hp | Harvest               |                                     |
| Corn Head                 | 8 Row  | Harvest               |                                     |
| Grain Wagon (700 bu)      |        | Harvest               |                                     |

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

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

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

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

Cotton Budgets  
for  
2011 Planting

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

| <b>CROP VALUE</b>                                     | <b>Grower %</b> | <b>Unit</b> | <b>Yield</b>    | <b>Price/Unit</b> | <b>Revenue Your Farm</b> |
|---|-----------------|-------------|-----------------|-------------------|--------------------------|
| Crop Value  | 100%            | Lbs         | 1,200.00        | 0.81              | 972.00                   |
| Cottonseed Value                                      | 100%            | Ton         | 0.900           | 164.00            | 147.60                   |
| <b>OPERATING EXPENSES</b>                             |                 | <b>Unit</b> | <b>Quantity</b> | <b>Price/Unit</b> | <b>Costs</b>             |
| Seed, Includes All Fees; See Note 1                   | 100%            | Acre        | 1               | 105.31            | 105.31                   |
| Nitrogen  | 100%            | Lbs         | 94              | 0.49              | 46.06                    |
| Phosphate (P2O5)                                      | 100%            | Lbs         | 30              | 0.61              | 18.30                    |
| Potash (K2O)  | 100%            | Lbs         | 60              | 0.45              | 27.00                    |
| Sulfur  | 100%            | Lbs         | 10              | 0.28              | 2.80                     |
| Boron   | 100%            | Lbs         | 1.00            | 6.50              | 6.50                     |
| Other Nutrients, Including Poultry Litter             | 100%            | Unit        | 0.00            | 0.00              | 0.00                     |
| Herbicide   | 100%            | Acre        | 1               | 58.49             | 58.49                    |
| Insecticide   | 100%            | Acre        | 1               | 30.49             | 30.49                    |
| Nematicide  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Growth Regulator                                      | 100%            | Acre        | 1               | 2.34              | 2.34                     |
| Defoliant   | 100%            | Acre        | 1               | 18.23             | 18.23                    |
| Custom Chemical & Fertilizer Applications             |                 |             |                 |                   |                          |
| Ground Application: Fertilizer & Chemical             | 100%            | Appl        | 0               | 5.75              | 0.00                     |
| Air Application: Fertilizer & Chemical                | 100%            | Appl        | 0               | 7.00              | 0.00                     |
| Air Application: Urea                                 | 100%            | Lbs         | 0               | 0.070             | 0.00                     |
| Other Custom Hire, Air Seeding                        | 100%            | Appl        | 0               | 12.00             | 0.00                     |
| Machinery and Equipment                               |                 |             |                 |                   |                          |
| Diesel Fuel & Lube, Pre Harvest                       | 100%            | Gallons     | 6.192           | 2.91              | 18.02                    |
| Repairs and Maintenance, Pre Harvest                  | 100%            | Acre        | 1.00            | 11.19             | 11.19                    |
| Diesel Fuel & Lube, Harvest                           | 100%            | Gallons     | 6.862           | 2.91              | 19.97                    |
| Repairs and Maintenance, Harvest                      | 100%            | Acre        | 1               | 17.39             | 17.39                    |
| Irrigation Energy Cost                                | 100%            | Ac-In       | 12              | 3.44              | 41.25                    |
| Irrigation System Repairs & Maintenance               | 100%            | Ac-In       | 12              | 0.15              | 1.74                     |
| Supplies (ex. polypipe, levee gates, other)           | 100%            | Acre        | 1               | 2.88              | 2.88                     |
| Other Inputs  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Labor, Field Activities                               | 100%            | Hrs         | 1.639           | 10.22             | 16.75                    |
| Scouting/Consultant Fee                               | 100%            | Acre        | 1               | 9.00              | 9.00                     |
| Boll Weevil Eradication Fee; See Note 2               | 100%            | Acre        | 1               | 14.00             | 14.00                    |
| Crop Insurance  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Interest, Annual Rate for 6 Months                    | 100%            | Rate %      | 5.50            | 0.03              | 12.86                    |
| Post-Harvest Expenses; See Note 3                     |                 |             |                 |                   |                          |
| Hauling, Ginning                                      | 100%            | Lbs         | 1,200.00        | 0.09              | 108.00                   |
| Storage and Warehousing                               | 100%            | Bale        | 2.40            | 10.50             | 25.20                    |
| Promotions, Boards, Classing                          | 100%            | Bale        | 2.40            | 6.00              | 14.40                    |
| Cash Rent   |                 | Acre        | 1.00            | 0.00              | 0.00                     |
| <b>Total Operating Expenses</b>                       |                 |             |                 |                   | <b>\$480.56</b>          |
| <b>Returns to Operating Expenses</b>                  |                 |             |                 |                   | <b>\$491.44</b>          |
| <b>CAPITAL RECOVERY &amp; UNALLOCATED COSTS</b>       |                 |             |                 |                   |                          |
| Pre-Harvest and Harvest Machinery                     |                 | Acre        | 1               | 85.88             | 85.88                    |
| Irrigation Equipment                                  |                 | Acre        | 1               | 16.01             | 16.01                    |
| Miscellaneous Overhead; See Note 4                    |                 | Acre        | 1               | 21.47             | 21.47                    |
| <b>Total Capital Recovery &amp; Unallocated Costs</b> |                 |             |                 |                   | <b>\$123.36</b>          |
| <b>TOTAL SPECIFIED EXPENSES</b>                       |                 |             |                 |                   | <b>\$603.91</b>          |
| <b>NET RETURNS</b>                                    |                 |             |                 |                   | <b>\$368.09</b>          |

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

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

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

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

Table 4-B. Cotton Field Activities, Furrow Irrigation

| Field Trip                | Width  | Activity                      | B2RF  |
|---------------------------|--------|-------------------------------|---|
| Paratill, 1/3 of land     | 6 Row  | Fall Tillage                  |   |
| Hipper, 2/3 of land       | 12 Row | Fall Tillage                  |   |
| Self-Propelled Sprayer    | 90 ft. | Herbicide ( Burndown)         | 2 pt Glysophate Plus, 8 oz Banvel             |
| Hipper                    | 12 Row | Tillage                       |   |
| Fertilizer Spreader       | 60 ft. | Fertilizer                    | Mixed N,P,K,S,B (30-30-60-10-1)               |
| Do All (Seedbed Finisher) | 12 Row | Tillage                       |   |
| Planter                   | 12 Row | Plant, with Herbicide         | 1.6 pt Cotoran                                |
| Self-Propelled Sprayer    | 90 ft. | Herbicide                     | 2 pt Glysophate Plus, 1 pt Dual               |
| Knife Rig                 | 12 Row | Fertilizer                    | 18 gal UAN 32%                                |
| Self-Propelled Sprayer    | 90 ft. | Herbicide, Insecticide        | 2 pt Glysophate Plus, 1 pt Dual, 2 oz Centric |
| Irrigation Sweep          | 12 Row | Tillage                       |   |
| Irrigation Polypipe Spool |        | Total Season Activities       |   |
| Hooded Sprayer            | 12 Row | Herbicide                     | 1.5 pt Glysophate Plus, 2 oz Valor            |
| Self-Propelled Sprayer    | 90 ft. | Insecticide, Growth Regulator | 0.75 lbs Acephate, 6 oz Mepex                 |
| Self-Propelled Sprayer    | 90 ft. | Insecticide, Growth Regulator | 6 oz Bidrin, 8 oz Mepex                       |
| Self-Propelled Sprayer    | 90 ft. | Insecticide, Growth Regulator | 0.75 lbs Acephate, 12 oz Mepex                |
| Self-Propelled Sprayer    | 90 ft. | Defoliant                     | 2 oz Dropp, 6 oz Folex, 6 oz Prep             |
| Self-Propelled Sprayer    | 90 ft. | Defoliant                     | 8 oz Folex, 42 oz Prep                        |
| Picker                    | 6 Row  | Harvest                       |   |
| Boll Buggy                |        | Harvest                       |   |
| Module Builder            |        | Harvest                       |   |
| Mower                     | 20 ft. | Mow Stalks                    |   |

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

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

  

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

  

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

  

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

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

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



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

| <b>CROP VALUE</b>                                     | <b>Grower %</b> | <b>Unit</b> | <b>Yield</b>    | <b>Price/Unit</b> | <b>Revenue Your Farm</b> |
|---|-----------------|-------------|-----------------|-------------------|--------------------------|
| Crop Value  | 100%            | Lbs         | 1,200.00        | 0.81              | 972.00                   |
| Cottonseed Value                                      | 100%            | Ton         | 0.900           | 164.00            | 147.60                   |
| <b>OPERATING EXPENSES</b>                             |                 | <b>Unit</b> | <b>Quantity</b> | <b>Price/Unit</b> | <b>Costs</b>             |
| Seed, Includes All Fees; See Note 1                   | 100%            | Acre        | 1               | 105.31            | 105.31                   |
| Nitrogen  | 100%            | Lbs         | 94              | 0.49              | 46.06                    |
| Phosphate (P2O5)                                      | 100%            | Lbs         | 30              | 0.61              | 18.30                    |
| Potash (K2O)  | 100%            | Lbs         | 60              | 0.45              | 27.00                    |
| Sulfur  | 100%            | Lbs         | 10              | 0.28              | 2.80                     |
| Boron   | 100%            | Lbs         | 1.00            | 6.50              | 6.50                     |
| Other Nutrients, Including Poultry Litter             | 100%            | Unit        | 0.00            | 0.00              | 0.00                     |
| Herbicide   | 100%            | Acre        | 1               | 58.49             | 58.49                    |
| Insecticide   | 100%            | Acre        | 1               | 30.49             | 30.49                    |
| Nematicide  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Growth Regulator                                      | 100%            | Acre        | 1               | 2.34              | 2.34                     |
| Defoliant   | 100%            | Acre        | 1               | 18.23             | 18.23                    |
| Custom Chemical & Fertilizer Applications             |                 |             |                 |                   |                          |
| Ground Application: Fertilizer & Chemical             | 100%            | Appl        | 0               | 5.75              | 0.00                     |
| Air Application: Fertilizer & Chemical                | 100%            | Appl        | 0               | 7.00              | 0.00                     |
| Air Application: Urea                                 | 100%            | Lbs         | 0               | 0.070             | 0.00                     |
| Other Custom Hire, Air Seeding                        | 100%            | Appl        | 0               | 12.00             | 0.00                     |
| Machinery and Equipment                               |                 |             |                 |                   |                          |
| Diesel Fuel & Lube, Pre Harvest                       | 100%            | Gallons     | 5.729           | 2.91              | 16.67                    |
| Repairs and Maintenance, Pre Harvest                  | 100%            | Acre        | 1.00            | 10.96             | 10.96                    |
| Diesel Fuel & Lube, Harvest                           | 100%            | Gallons     | 6.862           | 2.91              | 19.97                    |
| Repairs and Maintenance, Harvest                      | 100%            | Acre        | 1               | 17.39             | 17.39                    |
| Irrigation Energy Cost                                | 100%            | Ac-In       | 12              | 5.22              | 62.65                    |
| Irrigation System Repairs & Maintenance               | 100%            | Ac-In       | 12              | 1.31              | 15.69                    |
| Supplies (ex. polypipe, levee gates, other)           | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Other Inputs  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Labor, Field Activities                               | 100%            | Hrs         | 1.572           | 10.22             | 16.07                    |
| Scouting/Consultant Fee                               | 100%            | Acre        | 1               | 9.00              | 9.00                     |
| Boll Weevil Eradication Fee; See Note 2               | 100%            | Acre        | 1               | 14.00             | 14.00                    |
| Crop Insurance  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Interest, Annual Rate for 6 Months                    | 100%            | Rate %      | 5.50            | 0.03              | 13.69                    |
| Post-Harvest Expenses; See Note 3                     |                 |             |                 |                   |                          |
| Hauling, Ginning                                      | 100%            | Lbs         | 1,200.00        | 0.09              | 108.00                   |
| Storage and Warehousing                               | 100%            | Bale        | 2.40            | 10.50             | 25.20                    |
| Promotions, Boards, Classing                          | 100%            | Bale        | 2.40            | 6.00              | 14.40                    |
| Cash Rent   |                 | Acre        | 1.00            | 0.00              | 0.00                     |
| <b>Total Operating Expenses</b>                       |                 |             |                 |                   | <b>\$511.61</b>          |
| <b>Returns to Operating Expenses</b>                  |                 |             |                 |                   | <b>\$460.39</b>          |
| <b>CAPITAL RECOVERY &amp; UNALLOCATED COSTS</b>       |                 |             |                 |                   |                          |
| Pre-Harvest and Harvest Machinery                     |                 | Acre        | 1               | 84.17             | 84.17                    |
| Irrigation Equipment                                  |                 | Acre        | 1               | 51.72             | 51.72                    |
| Miscellaneous Overhead; See Note 4                    |                 | Acre        | 1               | 21.04             | 21.04                    |
| <b>Total Capital Recovery &amp; Unallocated Costs</b> |                 |             |                 |                   | <b>\$156.92</b>          |
| <b>TOTAL SPECIFIED EXPENSES</b>                       |                 |             |                 |                   | <b>\$668.53</b>          |
| <b>NET RETURNS</b>                                    |                 |             |                 |                   | <b>\$303.47</b>          |

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

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

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

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

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

| Field Trip                | Width  | Activity                      | B2RF  |
|---------------------------|--------|-------------------------------|---|
| Paratill, 1/3 of land     | 6 Row  | Fall Tillage                  |   |
| Hipper, 2/3 of land       | 12 Row | Fall Tillage                  |   |
| Self-Propelled Sprayer    | 90 ft. | Herbicide ( Burndown)         | 2 pt Glysophate Plus, 8 oz Banvel             |
| Hipper                    | 12 Row | Tillage                       |   |
| Fertilizer Spreader       | 60 ft. | Fertilizer                    | Mixed N,P,K,S,B (30-30-60-10-1)               |
| Do All (Seedbed Finisher) | 12 Row | Tillage                       |   |
| Planter                   | 12 Row | Plant, with Herbicide         | 1.6 pt Cotoran                                |
| Self-Propelled Sprayer    | 90 ft. | Herbicide                     | 2 pt Glysophate Plus, 1 pt Dual               |
| Knife Rig                 | 12 Row | Fertilizer                    | 18 gal UAN 32%                                |
| Self-Propelled Sprayer    | 90 ft. | Herbicide, Insecticide        | 2 pt Glysophate Plus, 1 pt Dual, 2 oz Centric |
| Hooded Sprayer            | 12 Row | Herbicide                     | 1.5 pt Glysophate Plus, 2 oz Valor            |
| Self-Propelled Sprayer    | 90 ft. | Insecticide, Growth Regulator | 0.75 lbs Acephate, 6 oz Mepex                 |
| Self-Propelled Sprayer    | 90 ft. | Insecticide, Growth Regulator | 6 oz Bidrin, 8 oz Mepex                       |
| Self-Propelled Sprayer    | 90 ft. | Insecticide, Growth Regulator | 0.75 lbs Acephate, 12 oz Mepex                |
| Self-Propelled Sprayer    | 90 ft. | Defoliant                     | 2 oz Dropp, 6 oz Folex, 6 oz Prep             |
| Self-Propelled Sprayer    | 90 ft. | Defoliant                     | 8 oz Folex, 42 oz Prep                        |
| Picker                    | 6 Row  | Harvest                       |   |
| Boll Buggy                |        | Harvest                       |   |
| Module Builder            |        | Harvest                       |   |
| Mower                     | 20 ft. | Mow Stalks                    |   |

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

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

  

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

  

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

  

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

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

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

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

| <b>CROP VALUE</b>                                     | <b>Grower %</b> | <b>Unit</b> | <b>Yield</b>    | <b>Price/Unit</b> | <b>Revenue Your Farm</b> |
|---|-----------------|-------------|-----------------|-------------------|--------------------------|
| Crop Value  | 100%            | Lbs         | 800.00          | 0.81              | 648.00                   |
| Cottonseed Value                                      | 100%            | Ton         | 0.600           | 164.00            | 98.40                    |
| <b>OPERATING EXPENSES</b>                             |                 | <b>Unit</b> | <b>Quantity</b> | <b>Price/Unit</b> | <b>Costs</b>             |
| Seed, Includes All Fees; See Note 1                   | 100%            | Acre        | 1               | 105.31            | 105.31                   |
| Nitrogen  | 100%            | Lbs         | 72              | 0.49              | 35.28                    |
| Phosphate (P2O5)                                      | 100%            | Lbs         | 20              | 0.61              | 12.20                    |
| Potash (K2O)  | 100%            | Lbs         | 40              | 0.45              | 18.00                    |
| Sulfur  | 100%            | Lbs         | 10              | 0.28              | 2.80                     |
| Boron   | 100%            | Lbs         | 1.00            | 6.50              | 6.50                     |
| Other Nutrients, Including Poultry Litter             | 100%            | Unit        | 0.00            | 0.00              | 0.00                     |
| Herbicide   | 100%            | Acre        | 1               | 58.49             | 58.49                    |
| Insecticide   | 100%            | Acre        | 1               | 30.49             | 30.49                    |
| Nematicide  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Growth Regulator                                      | 100%            | Acre        | 1               | 1.26              | 1.26                     |
| Defoliant   | 100%            | Acre        | 1               | 11.55             | 11.55                    |
| Custom Chemical & Fertilizer Applications             |                 |             |                 |                   |                          |
| Ground Application: Fertilizer & Chemical             | 100%            | Appl        | 0               | 5.75              | 0.00                     |
| Air Application: Fertilizer & Chemical                | 100%            | Appl        | 0               | 7.00              | 0.00                     |
| Air Application: Urea                                 | 100%            | Lbs         | 0               | 0.070             | 0.00                     |
| Other Custom Hire, Air Seeding                        | 100%            | Appl        | 0               | 12.00             | 0.00                     |
| Machinery and Equipment                               |                 |             |                 |                   |                          |
| Diesel Fuel & Lube, Pre Harvest                       | 100%            | Gallons     | 5.729           | 2.91              | 16.67                    |
| Repairs and Maintenance, Pre Harvest                  | 100%            | Acre        | 1.00            | 10.96             | 10.96                    |
| Diesel Fuel & Lube, Harvest                           | 100%            | Gallons     | 6.862           | 2.91              | 19.97                    |
| Repairs and Maintenance, Harvest                      | 100%            | Acre        | 1               | 17.39             | 17.39                    |
| Irrigation Energy Cost                                | 100%            | Ac-In       | 0               | 0.00              | 0.00                     |
| Irrigation System Repairs & Maintenance               | 100%            | Ac-In       | 0               | 0.00              | 0.00                     |
| Supplies (ex. polypipe, levee gates, other)           | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Other Inputs  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Labor, Field Activities                               | 100%            | Hrs         | 1.572           | 10.22             | 16.07                    |
| Scouting/Consultant Fee                               | 100%            | Acre        | 1               | 9.00              | 9.00                     |
| Boll Weevil Eradication Fee; See Note 2               | 100%            | Acre        | 1               | 14.00             | 14.00                    |
| Crop Insurance  | 100%            | Acre        | 1               | 0.00              | 0.00                     |
| Interest, Annual Rate for 6 Months                    | 100%            | Rate %      | 5.50            | 0.03              | 10.61                    |
| Post-Harvest Expenses; See Note 3                     |                 |             |                 |                   |                          |
| Hauling, Ginning                                      | 100%            | Lbs         | 800.00          | 0.09              | 72.00                    |
| Storage and Warehousing                               | 100%            | Bale        | 1.60            | 10.50             | 16.80                    |
| Promotions, Boards, Classing                          | 100%            | Bale        | 1.60            | 6.00              | 9.60                     |
| Cash Rent   |                 | Acre        | 1.00            | 0.00              | 0.00                     |
| <b>Total Operating Expenses</b>                       |                 |             |                 |                   | <b>\$396.55</b>          |
| <b>Returns to Operating Expenses</b>                  |                 |             |                 |                   | <b>\$251.45</b>          |
| <b>CAPITAL RECOVERY &amp; UNALLOCATED COSTS</b>       |                 |             |                 |                   |                          |
| Pre-Harvest and Harvest Machinery                     |                 | Acre        | 1               | 84.17             | 84.17                    |
| Irrigation Equipment                                  |                 | Acre        | 1               | 0.00              | 0.00                     |
| Miscellaneous Overhead; See Note 4                    |                 | Acre        | 1               | 21.04             | 21.04                    |
| <b>Total Capital Recovery &amp; Unallocated Costs</b> |                 |             |                 |                   | <b>\$105.21</b>          |
| <b>TOTAL SPECIFIED EXPENSES</b>                       |                 |             |                 |                   | <b>\$501.75</b>          |
| <b>NET RETURNS</b>                                    |                 |             |                 |                   | <b>\$146.25</b>          |

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

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

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

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

Table 6-B. Cotton Field Activities, No Irrigation

| Field Trip                | Width  | Activity                      | B2RF  |
|---------------------------|--------|-------------------------------|---|
| Paratill, 1/3 of land     | 6 Row  | Fall Tillage                  |   |
| Hipper, 2/3 of land       | 12 Row | Fall Tillage                  |   |
| Self-Propelled Sprayer    | 90 ft. | Herbicide ( Burndown)         | 2 pt Glysophate Plus, 8 oz Banvel             |
| Hipper                    | 12 Row | Tillage                       |   |
| Fertilizer Spreader       | 60 ft. | Fertilizer                    | Mixed N,P,K,S,B (30-20-40-10-1)               |
| Do All (Seedbed Finisher) | 12 Row | Tillage                       |   |
| Planter                   | 12 Row | Plant, with Herbicide         | 1.6 pt Cotoran                                |
| Self-Propelled Sprayer    | 90 ft. | Herbicide                     | 2 pt Glysophate Plus, 1 pt Dual               |
| Knife Rig                 | 12 Row | Fertilizer                    | 12 gal UAN 32%                                |
| Self-Propelled Sprayer    | 90 ft. | Herbicide, Insecticide        | 2 pt Glysophate Plus, 1 pt Dual, 2 oz Centric |
| Hooded Sprayer            | 12 Row | Herbicide                     | 1.5 pt Glysophate Plus, 2 oz Valor            |
| Self-Propelled Sprayer    | 90 ft. | Insecticide                   | 0.75 lbs Acephate                             |
| Self-Propelled Sprayer    | 90 ft. | Insecticide, Growth Regulator | 6 oz Bidrin, 14 oz Mepex                      |
| Self-Propelled Sprayer    | 90 ft. | Insecticide                   | 0.75 lbs Acephate                             |
| Self-Propelled Sprayer    | 90 ft. | Defoliant                     | 5 oz Ginstar, 5 oz Finish                     |
| Picker                    | 6 Row  | Harvest                       |   |
| Boll Buggy                |        | Harvest                       |   |
| Module Builder            |        | Harvest                       |   |
| Mower                     | 20 ft. | Mow Stalks                    |   |
| Mower                     | 20 ft. | Mow Stalks                    |   |

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

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

  

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

  

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

  

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

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

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



Rice Budgets  
for  
2011 Planting

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

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

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

Table 7-B. Rice Field Activities, Conventional Seed

| Field Trip                | Width       | Activity                |   |
|---------------------------|-------------|-------------------------|---|
| Disk                      | 32 ft.      | Fall Tillage            |   |
| Land Plane                | 17 ft.      | Fall Tillage            |   |
| Ditcher                   |             | Fall                    |   |
| Field Cultivator          | 36 ft.      | Tillage                 |   |
| Fertilizer Spreader       | 60 ft.      | Fertilizer              | Mixed N,P,K (0-40-60)                                     |
| Grain Drill               | 30 ft.      | Plant                   |   |
| Roller                    | 32 ft.      | Compact Soil            |   |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide               | 16 oz Command   |
| Make Levees, Plant Levees |             | Three Round-Trips       |   |
| Levee Gates               |             | Total Season Activities |   |
| Custom Aerial Application |             | Herbicide               | 1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil |
| Custom Aerial Application |             | Fertilizer              | 230 lb Urea (46-0-0), 0.46 qt Agrotain treated            |
| ATV, Spray Levees         |             | Herbicide               | 0.67 pt Grandstand, 1 gal Rice Shot (Propanil)            |
| Flood Field               |             |                         |   |
| Custom Aerial Application |             | Fertilizer              | 100 lb Urea (46-0-0)                                      |
| Custom Aerial Application |             | Fungicide               | 12.8 oz Quadris   |
| Custom Aerial Application |             | Insecticide             | 1.6 oz Karate   |
| Drain Field               |             |                         |   |
| Combine                   | 305 hp      | Harvest                 |   |
| Head                      | 25 ft Rigid | Harvest                 |   |
| Grain Wagon (700 bu)      |             | Harvest                 |   |
| Remove Levees             |             |                         |   |
| Roller                    | 32 ft.      | Manage Stubble          |   |

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

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

  

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

  

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

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

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

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

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

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

Table 8-B. Rice Field Activities, Clearfield Seed

| Field Trip                | Width       | Activity                |  |
|---------------------------|-------------|-------------------------|--|
| Disk                      | 32 ft.      | Fall Tillage            |  |
| Land Plane                | 17 ft.      | Fall Tillage            |  |
| Ditcher                   |             | Fall                    |  |
| Field Cultivator          | 36 ft.      | Tillage                 |  |
| Fertilizer Spreader       | 60 ft.      | Fertilizer              | Mixed N,P,K (0-40-60)                          |
| Grain Drill               | 30 ft.      | Plant                   |  |
| Roller                    | 32 ft.      | Compact Soil            |  |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide               | 16 oz Command                                  |
| Make Levees, Plant Levees |             | Three Round-Trips       |  |
| Levee Gates               |             | Total Season Activities |  |
| Custom Aerial Application |             | Herbicide               | 4 oz Newpath, surfacant                        |
| Custom Aerial Application |             | Herbicide               | 4 oz Newpath, surfacant, 1 oz Aim              |
| Custom Aerial Application |             | Fertilizer              | 230 lb Urea (46-0-0), 0.46 qt Agrotain treated |
| ATV, Spray Levees         |             | Herbicide               | 0.67 pt Grandstand, 1 gal Rice Shot (Propanil) |
| Flood Field               |             |                         |  |
| Custom Aerial Application |             | Fertilizer              | 100 lb Urea (46-0-0)                           |
| Custom Aerial Application |             | Fungicide               | 12.8 oz Quadris                                |
| Custom Aerial Application |             | Insecticide             | 1.6 oz Karate                                  |
| Drain Field               |             |                         |  |
| Combine                   | 305 hp      | Harvest                 |  |
| Head                      | 25 ft Rigid | Harvest                 |  |
| Grain Wagon (700 bu)      |             | Harvest                 |  |
| Remove Levees             |             |                         |  |
| Roller                    | 32 ft.      | Manage Stubble          |  |

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

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

  

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

  

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



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

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

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

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

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

Table 9-B. Rice Field Activities, Hybrid Seed

| Field Trip                | Width       | Activity                |   |
|---------------------------|-------------|-------------------------|---|
| Disk                      | 32 ft.      | Fall Tillage            |   |
| Land Plane                | 17 ft.      | Fall Tillage            |   |
| Ditcher                   |             | Fall                    |   |
| Field Cultivator          | 36 ft.      | Tillage                 |   |
| Fertilizer Spreader       | 60 ft.      | Fertilizer              | Mixed N,P,K (0-40-60)                                     |
| Grain Drill               | 30 ft.      | Plant                   |   |
| Roller                    | 32 ft.      | Compact Soil            |   |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide               | 16 oz Command   |
| Make Levees, Plant Levees |             | Three Round-Trips       |   |
| Levee Gates               |             | Total Season Activities |   |
| Custom Aerial Application |             | Herbicide               | 1 gal Rice Shot (Propanil), 0.33 lb Facet, 32 oz crop oil |
| Custom Aerial Application |             | Fertilizer              | 200 lb Urea (46-0-0), 0.40 qt Agrotain treated            |
| ATV, Spray Levees         |             | Herbicide               | 0.67 pt Grandstand, 1 gal Rice Shot (Propanil)            |
| Flood Field               |             |                         |   |
| Custom Aerial Application |             | Fertilizer              | 70 lb Urea (46-0-0)                                       |
| Custom Aerial Application |             | Insecticide             | 1.6 oz Karate   |
| Drain Field               |             |                         |   |
| Combine                   | 305 hp      | Harvest                 |   |
| Head                      | 25 ft Rigid | Harvest                 |   |
| Grain Wagon (700 bu)      |             | Harvest                 |   |
| Remove Levees             |             |                         |   |
| Roller                    | 32 ft.      | Manage Stubble          |   |

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

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

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

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

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

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

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

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

Table 10-B. Rice Field Activities, Clearfield Hybrid Seed

| Field Trip                | Width       | Activity                |  |
|---------------------------|-------------|-------------------------|--|
| Disk                      | 32 ft.      | Fall Tillage            |  |
| Land Plane                | 17 ft.      | Fall Tillage            |  |
| Ditcher                   |             | Fall                    |  |
| Field Cultivator          | 36 ft.      | Tillage                 |  |
| Fertilizer Spreader       | 60 ft.      | Fertilizer              | Mixed N,P,K (0-40-60)                          |
| Grain Drill               | 30 ft.      | Plant                   |  |
| Roller                    | 32 ft.      | Compact Soil            |  |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide               | 16 oz Command                                  |
| Make Levees, Plant Levees |             | Three Round-Trips       |  |
| Levee Gates               |             | Total Season Activities |  |
| Custom Aerial Application |             | Herbicide               | 4 oz Newpath, surfacant                        |
| Custom Aerial Application |             | Herbicide               | 4 oz Newpath, surfacant, 1 oz Aim              |
| Custom Aerial Application |             | Fertilizer              | 200 lb Urea (46-0-0), 0.40 qt Agrotain treated |
| ATV, Spray Levees         |             | Herbicide               | 0.67 pt Grandstand, 1 gal Rice Shot (Propanil) |
| Flood Field               |             |                         |  |
| Custom Aerial Application |             | Fertilizer              | 70 lb Urea (46-0-0)                            |
| Custom Aerial Application |             | Insecticide             | 1.6 oz Karate                                  |
| Drain Field               |             |                         |  |
| Combine                   | 305 hp      | Harvest                 |  |
| Head                      | 25 ft Rigid | Harvest                 |  |
| Grain Wagon (700 bu)      |             | Harvest                 |  |
| Remove Levees             |             |                         |  |
| Roller                    | 32 ft.      | Manage Stubble          |  |

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

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

  

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



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

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

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

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

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

Table 11-B. Rice Field Activities, Conventional Seed, Zero Grade, No Till, Water Seeded

| Field Trip                | Width       | Activity              |                      |
|---------------------------|-------------|-----------------------|----------------------|
| Ditcher                   |             | Fall                  |                      |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide ( Burndown) | 2 pt Glyphosate Plus |
| Custom Aerial Application |             | Plant                 |                      |
| Custom Aerial Application |             | Herbicide             | 1 gal Duet           |
| Custom Aerial Application |             | Herbicide             | 0.5 oz Regiment      |
| Custom Aerial Application |             | Fertilizer            | 230 lb Urea (46-0-0) |
| Flood Field               |             |                       |                      |
| Custom Aerial Application |             | Insecticide           | 1.6 oz Karate        |
| Custom Aerial Application |             | Herbicide             | 1.5 pt 2,4-D         |
| Custom Aerial Application |             | Fertilizer            | 100 lb Urea (46-0-0) |
| Custom Aerial Application |             | Fungicide             | 12.8 oz Quadris      |
| Custom Aerial Application |             | Insecticide           | 1.6 oz Karate        |
| Drain Field               |             |                       |                      |
| Combine                   | 305 hp      | Harvest               |                      |
| Head                      | 25 ft Rigid | Harvest               |                      |
| Grain Wagon (700 bu)      |             | Harvest               |                      |

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

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

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

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

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

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

Sorghum Budgets  
for  
2011 Planting

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

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

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

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

| Field Trip                | Width       | Activity                |                        |
|---------------------------|-------------|-------------------------|------------------------|
| Paratill, 1/3 of land     | 6 Row       | Fall Tillage            |                        |
| Hipper, 2/3 of land       | 12 Row      | Fall Tillage            |                        |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide ( Burndown)   | 2 pt Glysophate Plus   |
| Hipper                    | 12 Row      | Tillage                 |                        |
| Fertilizer Spreader       | 60 ft.      | Fertilizer              | Mixed N,P,K (35-60-90) |
| Do All (Seedbed Finisher) | 12 Row      | Tillage                 |                        |
| Planter                   | 12 Row      | Plant                   |                        |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide               | 1.5 pt Dual            |
| Fertilizer Spreader       | 60 ft.      | Fertilizer              | 165 Lbs Urea (46-0-0)  |
| Irrigation Sweep          | 12 Row      | Tillage                 |                        |
| Irrigation Polypipe Spool |             | Total Season Activities |                        |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide               | 2.5 pt Atrazine        |
| Self-Propelled Sprayer    | 90 ft.      | Insecticide             | 1.28 oz Karate         |
| Combine                   | 305 hp      | Harvest                 |                        |
| Head                      | 25 ft Rigid | Harvest                 |                        |
| Grain Wagon (700 bu)      |             | Harvest                 |                        |



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

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

  

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

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

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

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

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

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

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

| Field Trip                | Width       | Activity              |                        |
|---------------------------|-------------|-----------------------|------------------------|
| Paratill, 1/3 of land     | 6 Row       | Fall Tillage          |                        |
| Hipper, 2/3 of land       | 12 Row      | Fall Tillage          |                        |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide ( Burndown) | 2 pt Glysophate Plus   |
| Hipper                    | 12 Row      | Tillage               |                        |
| Fertilizer Spreader       | 60 ft.      | Fertilizer            | Mixed N,P,K (35-60-90) |
| Do All (Seedbed Finisher) | 12 Row      | Tillage               |                        |
| Planter                   | 12 Row      | Plant                 |                        |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide             | 1.5 pt Dual            |
| Fertilizer Spreader       | 60 ft.      | Fertilizer            | 165 Lbs Urea (46-0-0)  |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide             | 2.5 pt Atrazine        |
| Self-Propelled Sprayer    | 90 ft.      | Insecticide           | 1.28 oz Karate         |
| Combine                   | 305 hp      | Harvest               |                        |
| Head                      | 25 ft Rigid | Harvest               |                        |
| Grain Wagon (700 bu)      |             | Harvest               |                        |

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

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

  

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

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

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

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

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

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

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

| Field Trip                | Width       | Activity              |                        |
|---------------------------|-------------|-----------------------|------------------------|
| Paratill, 1/3 of land     | 6 Row       | Fall Tillage          |                        |
| Hipper, 2/3 of land       | 12 Row      | Fall Tillage          |                        |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide ( Burndown) | 2 pt Glysophate Plus   |
| Hipper                    | 12 Row      | Tillage               |                        |
| Fertilizer Spreader       | 60 ft.      | Fertilizer            | Mixed N,P,K (35-60-90) |
| Do All (Seedbed Finisher) | 12 Row      | Tillage               |                        |
| Planter                   | 12 Row      | Plant                 |                        |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide             | 1.5 pt Dual            |
| Fertilizer Spreader       | 60 ft.      | Fertilizer            | 122 Lbs Urea (46-0-0)  |
| Self-Propelled Sprayer    | 90 ft.      | Herbicide             | 2.5 pt Atrazine        |
| Self-Propelled Sprayer    | 90 ft.      | Insecticide           | 1.28 oz Karate         |
| Combine                   | 305 hp      | Harvest               |                        |
| Head                      | 25 ft Rigid | Harvest               |                        |
| Grain Wagon (700 bu)      |             | Harvest               |                        |



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

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

  

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

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

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

Soybean Budgets  
for  
2011 Planting

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

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

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

Table 15-B. Soybean Field Activities, Furrow Irrigation

| Field Trip                | Width      | Activity                | RR                                  |
|---------------------------|------------|-------------------------|-------------------------------------|
| Disk                      | 32 ft.     | Fall Tillage            |                                     |
| Hipper                    | 12 Row     | Fall Tillage            |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide ( Burndown)   | 22 oz Glysophate Plus, 2 oz Valor   |
| Hipper                    | 12 Row     | Tillage                 |                                     |
| Fertilizer Spreader       | 60 ft.     | Fertilizer              | N,P,K (0-40-60)                     |
| Do All (Seedbed Finisher) | 12 Row     | Tillage                 |                                     |
| Planter (Twin Row)        | 12 Row     | Plant                   |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide               | 2 pt Glysophate Plus, 2 pt Prefix   |
| Irrigation Sweep          | 12 Row     | Tillage                 |                                     |
| Irrigation Polypipe Spool |            | Total Season Activities |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide               | 2 pt Glysophate Plus, 6 oz Flexstar |
| Custom Aerial Application |            | Insecticide             | Karate 1.8 oz                       |
| Custom Aerial Application |            | Fungicide               | 6 oz Quadris                        |
| Combine                   | 305 hp     | Harvest                 |                                     |
| Head                      | 30 ft Flex | Harvest                 |                                     |
| Grain Wagon (700 bu)      |            | Harvest                 |                                     |

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

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

  

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

  

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

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

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

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

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

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



Table 16-B. Soybean Field Activities, Center Pivot Irrigation

| Field Trip                | Width      | Activity              | RR                                  |
|---------------------------|------------|-----------------------|-------------------------------------|
| Disk                      | 32 ft.     | Fall Tillage          |                                     |
| Hipper                    | 12 Row     | Fall Tillage          |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide ( Burndown) | 22 oz Glyphosate Plus, 2 oz Valor   |
| Hipper                    | 12 Row     | Tillage               |                                     |
| Fertilizer Spreader       | 60 ft.     | Fertilizer            | N,P,K (0-40-60)                     |
| Do All (Seedbed Finisher) | 12 Row     | Tillage               |                                     |
| Planter (Twin Row)        | 12 Row     | Plant                 |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide             | 2 pt Glyphosate Plus, 2 pt Prefix   |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide             | 2 pt Glyphosate Plus, 6 oz Flexstar |
| Custom Aerial Application |            | Insecticide           | Karate 1.8 oz                       |
| Custom Aerial Application |            | Fungicide             | 6 oz Quadris                        |
| Combine                   | 305 hp     | Harvest               |                                     |
| Head                      | 30 ft Flex | Harvest               |                                     |
| Grain Wagon (700 bu)      |            | Harvest               |                                     |

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

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

  

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

  

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

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

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

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

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

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

Table 17-B. Soybean Field Activities, No Irrigation

| Field Trip                | Width      | Activity              | RR                                  |
|---------------------------|------------|-----------------------|-------------------------------------|
| Disk                      | 32 ft.     | Fall Tillage          |                                     |
| Hipper                    | 12 Row     | Fall Tillage          |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide ( Burndown) | 22 oz Glyphosate Plus, 2 oz Valor   |
| Hipper                    | 12 Row     | Tillage               |                                     |
| Fertilizer Spreader       | 60 ft.     | Fertilizer            | N,P,K (0-40-60)                     |
| Do All (Seedbed Finisher) | 12 Row     | Tillage               |                                     |
| Planter (Twin Row)        | 12 Row     | Plant                 |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide             | 2 pt Glyphosate Plus, 2 pt Prefix   |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide             | 2 pt Glyphosate Plus, 6 oz Flexstar |
| Custom Aerial Application |            | Insecticide           | Karate 1.8 oz                       |
| Custom Aerial Application |            | Fungicide             | 6 oz Quadris                        |
| Combine                   | 305 hp     | Harvest               |                                     |
| Head                      | 30 ft Flex | Harvest               |                                     |
| Grain Wagon (700 bu)      |            | Harvest               |                                     |

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

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

  

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

  

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

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

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

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

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

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



Table 18-B. Soybean Field Activities, Flood Irrigation

| Field Trip                | Width      | Activity              | RR                                  |
|---------------------------|------------|-----------------------|-------------------------------------|
| Disk                      | 32 ft.     | Fall Tillage          |                                     |
| Field Cultivator          | 36 ft.     | Fall Tillage          |                                     |
| Ditcher (Fall)            |            | Fall Tillage          |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide ( Burndown) | 22 oz Glysophate Plus, 2 oz Valor   |
| Field Cultivator          | 36 ft.     | Tillage               |                                     |
| Land Plane                | 17 ft.     | Tillage               | N,P,K (0-40-60)                     |
| Fertilizer Spreader       | 60 ft.     | Fertilizer            |                                     |
| Grain Drill               | 30 ft.     | Plant                 |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide             | 2 pt Glysophate Plus, 2 pt Prefix   |
| Make Levees               |            | One Round-Trip        |                                     |
| Remove Levees             |            |                       |                                     |
| Self-Propelled Sprayer    | 90 ft.     | Herbicide             | 2 pt Glysophate Plus, 6 oz Flexstar |
| Make Levees               |            | One Round-Trip        |                                     |
| Custom Aerial Application |            | Insecticide           | Karate 1.8 oz                       |
| Custom Aerial Application |            | Fungicide             | 6 oz Quadris                        |
| Remove Levees             |            |                       |                                     |
| Combine                   | 305 hp     | Harvest               |                                     |
| Head                      | 30 ft Flex | Harvest               |                                     |
| Grain Wagon (700 bu)      |            | Harvest               |                                     |

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

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

  

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

  

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

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

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

Wheat Budget  
for  
2011 Planting

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

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

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

Table 19-B. Wheat Field Activities

| Field Trip                | Width       | Activity   |  |
|---------------------------|-------------|------------|--|
| Disk                      | 32 ft.      | Tillage    |  |
| Fertilizer Spreader       | 60 ft.      | Fertilizer | N,P,K (30-40-80)                           |
| Field Cultivator          | 36 ft.      | Tillage    |  |
| Land Plane                | 17 ft.      | Tillage    |  |
| Ditcher                   |             | Tillage    |  |
| Grain Drill               | 30 ft.      | Plant      |  |
| Fertilizer Spreader       | 60 ft.      | Fertilizer | 65 lbs Urea (46-0-0) & N,P,K,S (10-0-0-12) |
| Custom Aerial Application |             | Herbicide  | 16.4 oz Axial                              |
| Custom Aerial Application |             | Herbicide  | 0.6 oz Harmony Extra XP, 12 oz surfactant  |
| Custom Aerial Application |             | Fertilizer | 100 lbs Urea (46-0-0)                      |
| Custom Aerial Application |             | Fungicide  | 14 oz Quilt                                |
| Combine                   | 305 hp      | Harvest    |  |
| Head                      | 25 ft Rigid | Harvest    |  |
| Grain Wagon (700 bu)      |             | Harvest    |  |

Table 19-C. Wheat: Chemical Details

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

  

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

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

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



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

| <b>Receipts</b>                             | Cotton        | Corn          | Sorghum       | Soybean,<br>Furrow | Rice,<br>Conventional | Rice,<br>Hybrid |
|---|---------------|---------------|---------------|--------------------|-----------------------|-----------------|
| Yield (cotton-lb,other-bu)                  | 1200          | 175           | 110           | 60                 | 170                   | 190             |
| Price (\$/yield unit)                       | 0.81          | 5.20          | 4.58          | 11.45              | 5.63                  | 5.63            |
| <b>Total Crop Revenue</b>                   | <b>972.00</b> | <b>910.00</b> | <b>503.80</b> | <b>687.00</b>      | <b>957.10</b>         | <b>1069.70</b>  |
| <b>Cottonseed Value</b>                     | <b>147.60</b> |               |               |                    |                       |                 |
| <b>Operating Expenses</b>                   |               |               |               |                    |                       |                 |
| Seed  | 105.31        | 107.25        | 21.19         | 63.60              | 30.96                 | 88.00           |
| Fertilizers & Nutrients                     | 100.66        | 212.82        | 134.82        | 51.40              | 137.34                | 121.88          |
| Chemicals                                   | 109.55        | 17.32         | 31.97         | 52.70              | 90.87                 | 62.58           |
| Custom Applications                         | 0.00          | 7.00          | 0.00          | 14.00              | 44.10                 | 35.00           |
| Fuel & Lube                                 | 37.99         | 22.20         | 21.31         | 18.19              | 30.14                 | 30.14           |
| Repairs & Maintenance                       | 30.32         | 18.10         | 14.75         | 14.73              | 23.08                 | 23.08           |
| Irrigation Energy Costs                     | 41.25         | 51.56         | 34.37         | 41.25              | 103.11                | 103.11          |
| Labor, Field Activities                     | 16.75         | 7.66          | 7.28          | 6.29               | 9.87                  | 9.87            |
| Other Inputs & Fees, Pre-harvest            | 38.74         | 15.17         | 10.27         | 10.17              | 18.94                 | 19.06           |
| Post-harvest Expenses                       | 147.60        | 73.50         | 25.30         | 15.00              | 99.20                 | 110.87          |
| <b>Net Operating Expenses</b>               | <b>480.56</b> | <b>532.58</b> | <b>301.25</b> | <b>287.32</b>      | <b>587.61</b>         | <b>603.59</b>   |
| <b>Returns to Operating Expenses</b>        | <b>491.44</b> | <b>377.42</b> | <b>202.55</b> | <b>399.68</b>      | <b>369.49</b>         | <b>466.11</b>   |
| Capital Recovery & Fixed Costs              | 123.36        | 69.87         | 58.68         | 57.79              | 104.03                | 104.03          |
| <b>Total Specified Expenses<sup>1</sup></b> | <b>603.91</b> | <b>602.45</b> | <b>359.93</b> | <b>345.11</b>      | <b>691.64</b>         | <b>707.62</b>   |
| <b>Returns to Specified Expenses</b>        | <b>368.09</b> | <b>307.55</b> | <b>143.87</b> | <b>341.89</b>      | <b>265.46</b>         | <b>362.08</b>   |
| Operating Expenses/yield unit               | 0.40          | 3.04          | 2.74          | 4.79               | 3.46                  | 3.18            |
| Total Expenses/yield unit                   | 0.50          | 3.44          | 3.27          | 5.75               | 4.07                  | 3.72            |

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

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

| <b>Receipts</b>                             | Cotton        | Corn          | Sorghum       | Soybean       |
|---|---------------|---------------|---------------|---------------|
| Yield (cotton-lb,other-bu)                  | 1200          | 175           | 110           | 60            |
| Price (\$/yield unit)                       | 0.81          | 5.20          | 4.58          | 11.45         |
| <b>Total Crop Revenue</b>                   | <b>972.00</b> | <b>910.00</b> | <b>503.80</b> | <b>687.00</b> |
| <b>Cottonseed Value</b>                     | <b>147.60</b> |               |               |               |
| <b>Operating Expenses</b>                   |               |               |               |               |
| Seed  | 105.31        | 107.25        | 21.19         | 63.60         |
| Fertilizers & Nutrients                     | 100.66        | 212.82        | 134.82        | 51.40         |
| Chemicals                                   | 109.55        | 17.32         | 31.97         | 52.70         |
| Custom Applications                         | 0.00          | 7.00          | 0.00          | 14.00         |
| Fuel & Lube                                 | 36.64         | 20.85         | 19.96         | 16.85         |
| Repairs & Maintenance                       | 44.04         | 35.30         | 26.14         | 28.44         |
| Irrigation Energy Costs                     | 62.65         | 78.32         | 52.21         | 62.65         |
| Labor, Field Activities                     | 16.07         | 6.99          | 6.61          | 5.61          |
| Other Inputs & Fees, Pre-harvest            | 36.69         | 13.36         | 8.05          | 8.12          |
| Post-harvest Expenses                       | 147.60        | 73.50         | 25.30         | 15.00         |
| <b>Net Operating Expenses</b>               | <b>511.61</b> | <b>572.71</b> | <b>326.25</b> | <b>318.37</b> |
| <b>Returns to Operating Expenses</b>        | <b>460.39</b> | <b>337.29</b> | <b>177.55</b> | <b>368.63</b> |
| Capital Recovery & Fixed Costs              | 156.92        | 112.36        | 86.30         | 91.36         |
| <b>Total Specified Expenses<sup>1</sup></b> | <b>668.53</b> | <b>685.07</b> | <b>412.55</b> | <b>409.73</b> |
| <b>Returns to Specified Expenses</b>        | <b>303.47</b> | <b>224.93</b> | <b>91.25</b>  | <b>277.27</b> |
| Operating Expenses/yield unit               | 0.43          | 3.27          | 2.97          | 5.31          |
| Total Expenses/yield unit                   | 0.56          | 3.91          | 3.75          | 6.83          |

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

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

| <b>Receipts</b>                             | Cotton        | Corn          | Sorghum       | Soybean       | Wheat         |
|---|---------------|---------------|---------------|---------------|---------------|
| Yield (cotton-lb,other-bu)                  | 800           | 125           | 70            | 30            | 55            |
| Price (\$/yield unit)                       | 0.81          | 5.20          | 4.58          | 11.45         | 6.00          |
| <b>Total Crop Revenue</b>                   | <b>648.00</b> | <b>650.00</b> | <b>320.60</b> | <b>343.50</b> | <b>330.00</b> |
| <b>Cottonseed Value</b>                     | <b>98.40</b>  |               |               |               |               |
| <b>Operating Expenses</b>                   |               |               |               |               |               |
| Seed  | 105.31        | 84.50         | 14.67         | 63.60         | 30.00         |
| Fertilizers & Nutrients                     | 74.78         | 177.76        | 124.42        | 51.40         | 123.56        |
| Chemicals                                   | 101.78        | 17.32         | 31.97         | 52.70         | 41.60         |
| Custom Applications                         | 0.00          | 0.00          | 0.00          | 14.00         | 28.00         |
| Fuel & Lube                                 | 36.64         | 20.85         | 19.96         | 16.85         | 18.91         |
| Repairs & Maintenance                       | 28.35         | 15.70         | 13.07         | 12.76         | 11.40         |
| Irrigation Energy Costs                     | 0.00          | 0.00          | 0.00          | 0.00          | 0.00          |
| Labor, Field Activities                     | 16.07         | 6.99          | 6.61          | 5.61          | 6.19          |
| Other Inputs & Fees, Pre-harvest            | 33.61         | 8.89          | 5.79          | 5.97          | 7.14          |
| Post-harvest Expenses                       | 98.40         | 52.50         | 16.10         | 7.50          | 12.10         |
| <b>Net Operating Expenses</b>               | <b>396.55</b> | <b>384.50</b> | <b>232.59</b> | <b>230.38</b> | <b>278.89</b> |
| <b>Returns to Operating Expenses</b>        | <b>251.45</b> | <b>265.50</b> | <b>88.01</b>  | <b>113.12</b> | <b>51.11</b>  |
| Capital Recovery & Fixed Costs              | 105.21        | 47.72         | 43.20         | 39.64         | 39.30         |
| <b>Total Specified Expenses<sup>1</sup></b> | <b>501.75</b> | <b>432.22</b> | <b>275.79</b> | <b>270.02</b> | <b>318.19</b> |
| <b>Returns to Specified Expenses</b>        | <b>146.25</b> | <b>217.78</b> | <b>44.81</b>  | <b>73.48</b>  | <b>11.81</b>  |
| Operating Expenses/yield unit               | 0.50          | 3.08          | 3.32          | 7.68          | 5.07          |
| Total Expenses/yield unit                   | 0.63          | 3.46          | 3.94          | 9.00          | 5.79          |

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

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