

# **Projected Costs and Returns Crop Enterprise Budgets for Sugarcane Production in Louisiana, 2018**

**Michael A. Deliberto, Brian M. Hilbun, and Michael E. Salassi**



**Farm Management Research & Extension  
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[www.lsuagcenter.com](http://www.lsuagcenter.com)**

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# PROJECTED COSTS AND RETURNS CROP ENTERPRISE BUDGETS FOR SUGARCANE PRODUCTION IN LOUISIANA, 2018

by

Michael A. Deliberto, Brian M. Hilbun, and Michael E. Salassi<sup>1</sup>

<sup>1</sup> Assistant Professor-Research, Research Associate, and Department Head and Professor  
Department of Agricultural Economics and Agribusiness, LSU Agricultural Center, Baton Rouge, LA.

## Introduction

This publication presents estimates of projected costs and returns for sugarcane production in Louisiana for the 2018 crop year. Crop producers are annually faced with critical management decisions that impact the employment of production inputs for various crop enterprises and the combination of crops that will be assembled into a cropping system. The need for reliable information is crucial if sound production decisions are to be made. Planning information plays a pivotal role in the development of annual crop production plans by producers and is important in supporting their efforts to secure the necessary resources to carry out their plans. In addition, information regarding production alternatives and costs and returns for major crop enterprises is needed by extension personnel, researchers, lending institutions, and others involved in agriculture or agribusiness. The purpose of this report is to provide planning information regarding crop production costs and market returns for the 2018 crop year.

## Sugarcane Crop Enterprise Budgets

Sugarcane enterprise budgets for tenant-operators in this report are presented in two budget formats. The first budget format (table A) is a summary of costs and returns for the crop enterprise. The second budget format (table B) provides a table listing the sequence of production operations, indicating the equipment and implements used, month of operation, labor required, machine time required, and materials used. Labor costs, material costs, custom costs, and direct and fixed costs for tractors and equipment are also included for each operation.

All costs are summed giving the total cost per operation or practice.

Whole farm sugarcane crop enterprise income and expense summary tables presented in this report (Tables 1A, 2A and 3A) present estimates of projected income and expenses of a sugarcane farming operation for 1,000 acres of sugarcane. A mill charge of 39.0% and a crop share land charge of 16.7% (a one-sixth crop share lease after mill charges) are used. Under these assumptions, the distribution of crop proceeds are as follows: 39.0% to the mill, 50.8% to the grower, and 10.2% to the landlord.

This report presents 2018 projected costs and returns associated with the various phases of sugarcane production using three row machinery and the production practices followed by most growers in the main sugarcane producing area of the state. Fertilizer and chemical rates were based on recommendations of the LSU Agricultural Center. Only tenant-operator budgets are presented in this report, reflecting the predominant share rent land tenure situation. The landlord does not share in any of the production expenses other than seed cane (in the form of reduced current year income) and provides little assistance in maintaining or improving farm housing, drainage, and roads.

Determination of costs associated with sugarcane is not a straight forward process. The uniqueness of the production rotation normally associated with sugarcane coupled with the fact that a portion of the rotation is non-income generating creates some difficulty. Thus, the sugarcane budgets presented in this report reflect costs per acre of land. Returns are based on pounds of raw sugar and gallons of molasses per acre of land harvested. Grower income reflects

the usual disposition of raw sugar and molasses between the grower, landlord and mill.

Projections of harvest costs are included for both wholestalk and combine harvesters. These harvest cost budgets include the costs of hauling cane by tractor and wagon to a field transfer location to be loaded onto trucks. Costs of hauling harvested sugarcane from farm to mill are excluded.

### **Procedure**

The general procedure used in this study was to project machinery and other input price data and apply these data to the production practice data for crop enterprises produced in Louisiana. Input prices were obtained from surveys of farm suppliers, machinery dealers, and aerial applicators to provide a basis for estimating 2018 planning budgets. Machinery and other input cost data are presented in the Appendix.

The budgets included in this report are categorized by per acre total direct expenses and per acre total fixed expenses for a production season. Within these two broad categories, the various inputs are itemized with their respective costs. Although a particular enterprise budget is presented on a per acre basis, some individual cost items are specified on an hourly or price per unit basis. Direct expenses include such cost items as seed, fertilizer, chemicals, fuel, labor, repairs, and irrigation. Fixed expenses include such items as depreciation and interest on investment which are generally incurred during the production period.

Due to the detailed nature of the cost computations, a computerized budget generator procedure was utilized. The Mississippi State Budget Generator Program, developed at Mississippi State University, is utilized by the LSU Agricultural Center in developing these crop enterprise costs and returns budgets. The budget generator provides a standard format for crop and livestock budgets and this computational procedure is widely accepted for estimating projected commodity costs and

returns information for upcoming crop year planning purposes.

### ***Expected Crop Yields and Market Prices***

Projected crop enterprise budgets in this report include a calculation of expected market returns for the crop. Expected crop yields and market prices are selected at the beginning of the crop year. Projected crop yields are determined based on recent production history for expected yield given normal weather conditions. Projected market prices are specified as expected marketing year average prices for the commodity, based on harvest time futures price quotes as well as other market information at the beginning of the crop year. No estimate of income from farm program participation or crop insurance is included in this budgets due to the wide variety of farm program and crop insurance choices available to producers.

### ***Direct Production Costs***

Direct or variable production costs were estimated by utilizing updated crop production input price data. Input price data for various crop production inputs were updated by obtaining prices from farm input suppliers in the fall and winter prior to the crop year. Herbicide, fertilizer, and insecticide expenditures for each enterprise budget are based upon the types of chemicals producers generally reported using for that situation. Suggested prices for selected farm inputs and aerial application rates are presented in the appendix.

Hired labor was charged at \$10.38 per hour for all classes of labor except for harvest machinery and laser leveling operator labor. This wage rate include a basic wage rate plus additional costs for social security, Medicare, and workman's compensation. Operator labor was charged at \$15.30 per hour, which includes a basic wage rate plus additional costs for social security, Medicare, and workman's compensation. The higher wage rate was charged for these classes of operators because of the relatively higher skills required to run these types of machinery and the general consensus that these operators are generally twelve month

(salaried) employees i.e. foremen. Farm labor may not be generally available on an hourly basis; however, an hourly charge represents a practical method for charging labor to the respective crop enterprises on a per acre basis.

Interest on operating capital (short term) was charged at a nominal rate of 4.75% per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel price for diesel was \$2.28 per gallon. Variable costs for tractors, self-propelled machinery, and irrigation machinery include the cost of fuel, lubrication, and repair.

The intermediate term interest rate was charged at an historical real rate of 5.00%. The reasoning behind the difference in short and intermediate term rates is that longer term nominal rates are highly variable and closely follow the trend set by the rate of inflation. Intermediate term interest rates above the real rate of interest can overstate true interest costs because they overlook the value gained by an asset due solely to inflation.

### ***Farm Machinery Costs***

Machinery cost data were obtained from a sample of machinery dealers. New machinery prices were used to reflect the economic cost of acquiring and maintaining capital assets in current dollar values. Purchase prices for selected power and machinery items included in this report are presented in the appendix. Other data included in the appendix indicate hours of annual use and years of life for each selected machinery item. Fuel consumption, accumulated repair costs, and other machinery performance data are based on ASAE standards. Machinery fixed costs are calculated using the capital recovery method which includes estimates of both annual depreciation and interest on investment.

### ***Overhead Costs***

Overhead costs reflect significant expenses associated with the operation of the entire farm business, but are not necessarily attributable to a specific crop enterprise.

Examples of farm overhead costs include tax services, record keeping, utilities, farmstead maintenance, and insurance and property taxes where applicable. General farm overhead costs can vary greatly from farm to farm based on many factors including farm size, land tenure and crop production technology utilized. A single general farm overhead charge is included in each of the three whole farm sugarcane crop enterprise budgets included in this report.

### ***Charges for Management and Risk***

The estimated production expenses included in this report include only direct and fixed expenses associated with the production of the specific crop enterprise. Labor charges included in the enterprise budgets only include charges for field labor. No charges for management or risk as well as other general farm expenses are included.

### **Acknowledgments**

Several individuals were instrumental in making this report possible. The authors are particularly indebted to Louisiana crop producers and LSU Agricultural Center Extension Service agents and Experiment Station scientists for their cooperation and assistance in providing specific production practice information, as well as farm suppliers and agribusiness firms for supplying input price information. This work is supported in part by U.S.D.A. Hatch funding.

### **Internet Access**

This publication, along with projected costs and returns reports for other major agricultural crop commodities produced in Louisiana, as well as other farm management publications, are available on the Internet on the LSU AgCenter web page under the “*Extension and Outreach*” section of the Department of Agricultural Economics and Agribusiness web page. These projected costs and returns reports are also available on the LSU Ag Center crop commodities web pages. The web address for the LSU AgCenter is: [www.lsuagcenter.com](http://www.lsuagcenter.com).



Table 1A. Projected Costs and Returns on 1,000 Acres of Sugarcane, 4-Year Rotation, Harvest through 2nd stubble, Tenant-Operator, Louisiana, 2018.

| Item  | Dollars<br>Per<br>Acre | Number<br>of<br>Acres | Total<br>Dollar<br>Value | Per Acre<br>Dollar<br>Value 6/ | Per Pound<br>of Sugar<br>Value 7/ |
|---|------------------------|-----------------------|--------------------------|--------------------------------|-----------------------------------|
|   | (\$/acre)              | (acres)               | (\$)                     | (\$/acre)                      | (\$/lb)                           |
| GROSS VALUE OF PRODUCTION: 1/                           |                        |                       |                          |                                |                                   |
| Sugar: (\$0.255/lb; 6,140,680 lbs.)                     |                        |                       |                          |                                |                                   |
| Plantcane (9,800 lbs/acre)                              | 2,499.00               | 201.6                 | 503,798                  |                                |                                   |
| 1st stubble (9,114 lbs/acre)                            | 2,324.07               | 250.0                 | 581,018                  |                                |                                   |
| 2nd stubble (7,546 lbs/acre)                            | 1,924.23               | 250.0                 | 481,058                  |                                |                                   |
| Total sugar (8,762 lbs/acre avg.)                       |                        |                       | 1,565,873                | 1,565.87                       | 0.255                             |
| Molasses: (\$0.55/gal; 184,220 gallons)                 | --                     | --                    | 101,321                  |                                |                                   |
| TOTAL GROSS VALUE                                       |                        |                       | 1,667,195                | 1,667.19                       | 0.272                             |
| MILL CHARGE (Payment in kind):                          |                        |                       |                          |                                |                                   |
| Sugar (39.0%)   | --                     | --                    | 610,691                  |                                |                                   |
| Molasses  | --                     | --                    | 50,661                   |                                |                                   |
| Total mill charge                                       |                        |                       | 661,351                  | 661.35                         | 0.108                             |
| NET RETURNS TO LAND AND PRODUCER                        |                        |                       | 1,005,843                | 1,005.84                       | 0.164                             |
| LAND RENT (Payment in kind):                            |                        |                       |                          |                                |                                   |
| Sugar (16.7% after mill charge)                         | --                     | --                    | 159,516                  |                                |                                   |
| Molasses (16.7% after mill charge)                      | --                     | --                    | 8,460                    |                                |                                   |
| Total land charge                                       |                        |                       | 167,976                  | 167.98                         | 0.027                             |
| PRODUCER INCOME   |                        |                       |                          |                                |                                   |
| Sugar and Molasses                                      | --                     | --                    | 837,868                  | 837.87                         | 0.136                             |
| ASCL Check Off (\$0.14 /ton)                            | --                     | --                    | (3,509)                  |                                |                                   |
| Total Income  |                        |                       | 834,359                  | 834.36                         | 0.136                             |
| VARIABLE PRODUCTION EXPENSES: 3/                        |                        |                       |                          |                                |                                   |
| Fallow Field & Seedbed Preparation                      | 123.50                 | 250.0                 | 30,875                   |                                |                                   |
| Cultured Seed Cane                                      | 523.71                 | 4.1                   | 2,142                    |                                |                                   |
| Hand Planting   | 213.26                 | 4.1                   | 872                      |                                |                                   |
| Wholestalk Seedcane Harvest                             | 69.73                  | 49.2                  | 3,431                    |                                |                                   |
| Mechanical Planting - Wholestalk                        | 179.76                 | 245.9                 | 44,203                   |                                |                                   |
| Plant Cane Field Operations                             | 227.34                 | 250.0                 | 56,835                   |                                |                                   |
| 1st Stubble Field Operations                            | 277.44                 | 250.0                 | 69,360                   |                                |                                   |
| 2nd Stubble Field Operations                            | 274.05                 | 250.0                 | 68,513                   |                                |                                   |
| Harvest for Sugar 4/                                    | 145.31                 | 700.8                 | 101,833                  |                                |                                   |
| Total variable expenses                                 |                        |                       | 378,064                  | 378.06                         | 0.062                             |
| RETURNS ABOVE VARIABLE PRODUCTION EXPENSES              |                        |                       | 456,295                  | 456.30                         | 0.074                             |
| FIXED PRODUCTION EXPENSES 5/                            |                        | 1,000.0               | 135,262                  | 135.26                         | 0.022                             |
| RETURNS ABOVE TOTAL PRODUCTION EXPENSES                 |                        |                       | 321,032                  | 321.03                         | 0.052                             |
| FARM OVERHEAD EXPENSES                                  |                        | 1,000.0               | 30,000                   | 30.00                          | 0.005                             |
| NET RETURNS TO MANAGEMENT, RISK AND OTHER FARM EXPENSES |                        |                       | 291,032                  | 291.03                         | 0.047                             |

1/ Gross value of production is determined using estimated production from 1,000 acres of sugarcane land in a standard 4 year rotation (fallow/plant, plantcane, 1st stubble, and 2nd stubble). Raw sugar is valued at 25.5 cents per pound and molasses at 55.0 cents per gallon.

2/ Harvested sugarcane is assumed to be transloaded to custom truck and trailer. Hauling costs from farm to mill and hauling rebate are excluded.

3/ Each category of production expense listed includes all variable costs associated with the specified operations including cost of inputs, labor, fuel, repairs, and interest on operating capital.

4/ Harvest costs are estimated assuming 100% of sugarcane is harvested with a combine harvester.

5/ Fixed expenses includes depreciation and interest charges on equipment used in production.

6/ Per acre dollar value is calculated by dividing total dollar value by total farm acreage.

7/ Per pound of sugar value is calculated by dividing total dollar value by total sugar production over 1,000 farm acres (6,140,680 pounds of sugar from 25,064 tons of cane).

Table 1B. Breakeven Selling Prices for Raw Sugar for Selected Yields and Rental Arrangements, 4-Year Rotation, Harvest through 2nd stubble, Tenant-Operators, Louisiana, 2018.

|  | -10%                               | -5%  | Base | +5%  | +10% |
|--|------------------------------------|------|------|------|------|
| Cane yield per harvested acre (tons) 1/  | 32.1                               | 33.9 | 35.7 | 37.5 | 39.3 |
| Sugar yield per harvested acre (lbs) 2/  | 7872                               | 8309 | 8747 | 9184 | 9621 |
| Sugar yield per rotational acre (lbs) 3/ | 5520                               | 5826 | 6133 | 6439 | 6746 |
| <b>ONE-FIFTH LAND SHARE RENT</b>         |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 13.6                               | 13.1 | 12.6 | 12.2 | 11.8 |
| Total specified costs                    | 18.7                               | 17.9 | 17.1 | 16.5 | 15.9 |
| Total costs plus overhead                | 19.8                               | 18.9 | 18.1 | 17.4 | 16.8 |
| <b>ONE-SIXTH LAND SHARE RENT:</b>        |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 13.1                               | 12.6 | 12.1 | 11.7 | 11.3 |
| Total specified costs                    | 17.9                               | 17.2 | 16.5 | 15.8 | 15.3 |
| Total costs plus overhead                | 19.0                               | 18.2 | 17.4 | 16.7 | 16.1 |
| <b>ONE-SEVENTH LAND SHARE RENT:</b>      |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 12.7                               | 12.2 | 11.8 | 11.4 | 11.0 |
| Total specified costs                    | 17.4                               | 16.7 | 16.0 | 15.4 | 14.8 |
| Total costs plus overhead                | 18.5                               | 17.7 | 16.9 | 16.3 | 15.7 |

- 1/ Average farm yield across harvested acreage of plantcane, 1st and 2nd stubble crops.  
 2/ Average yield in tons per acre multiplied by a 245 CRS.  
 3/ Assumes a standard land rotation of 25.0% each of plantcane, 1st stubble, 2nd stubble, and fallow/plant.  
 4/ Breakeven prices are calculated by dividing grower's share of production (48.8% for 1/5 crop share rent, 50.8% for 1/6 crop share rent, and 52.3% for 1/7 crop share rent) into direct costs, total specified costs, and total specified costs plus overhead. Charges for management, risk and additional farm overhead expenses are excluded.  
 Breakeven sugar price excludes molasses payment. Mill share assumed to be 39.0%.

Table 1C. Breakeven Raw Sugar Yields for Selected Yields and Rental Arrangements, 4-Year Rotation, Harvest through 2nd stubble, Tenant-Operators, Louisiana, 2018.

|                                     | -2.0   | -1.0  | Base  | +1.0  | +2.0  |
|-------------------------------------|--|-------|-------|-------|-------|
| Raw sugar price (cents per pound)   | 23.5   | 24.5  | 25.5  | 26.5  | 27.5  |
| <b>ONE-FIFTH LAND SHARE RENT</b>    |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 4,704  | 4,512 | 4,335 | 4,172 | 4,020 |
| Total specified costs               | 6,387  | 6,127 | 5,886 | 5,664 | 5,458 |
| Total costs plus overhead           | 6,760  | 6,485 | 6,230 | 5,995 | 5,777 |
| <b>ONE-SIXTH LAND SHARE RENT:</b>   |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 4,519  | 4,335 | 4,165 | 4,007 | 3,862 |
| Total specified costs               | 6,136  | 5,885 | 5,655 | 5,441 | 5,243 |
| Total costs plus overhead           | 6,494  | 6,229 | 5,985 | 5,759 | 5,550 |
| <b>ONE-SEVENTH LAND SHARE RENT:</b> |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 4,389  | 4,210 | 4,045 | 3,892 | 3,751 |
| Total specified costs               | 5,960  | 5,717 | 5,492 | 5,285 | 5,093 |
| Total costs plus overhead           | 6,308  | 6,051 | 5,813 | 5,594 | 5,391 |

- 1/ Breakeven sugar yield per harvested acre to recover direct costs, total specified costs, and total costs plus overhead. Charges for management, risk and additional farm overhead expenses are excluded.  
 Breakeven sugar yield excludes molasses payment.

Table 2A. Projected Costs and Returns on 1,000 Acres of Sugarcane, 5-Year Rotation, Harvest through 3rd stubble, Tenant-Operator, Louisiana, 2018.

| Item  | Dollars<br>Per<br>Acre | Number<br>of<br>Acres | Total<br>Dollar<br>Value | Per Acre<br>Dollar<br>Value 6/ | Per Pound<br>of Sugar<br>Value 7/ |
|---|------------------------|-----------------------|--------------------------|--------------------------------|-----------------------------------|
|   | (\$/acre)              | (acres)               | (\$)                     | (\$/acre)                      | (\$/lb)                           |
| GROSS VALUE OF PRODUCTION: 1/                           |                        |                       |                          |                                |                                   |
| Sugar: (\$0.255/lb; 6,317,080 lbs)                      |                        |                       |                          |                                |                                   |
| Plantcane (9,800 lbs/acre)                              | 2,499.00               | 160.6                 | 401,339                  |                                |                                   |
| 1st stubble (9,114 lbs/acre)                            | 2,324.07               | 200.0                 | 464,814                  |                                |                                   |
| 2nd stubble (7,546 lbs/acre)                            | 1,924.23               | 200.0                 | 384,846                  |                                |                                   |
| 3rd stubble (7,056 lbs/acre)                            | 1,799.28               | 200.0                 | 359,856                  |                                |                                   |
| Total sugar (8,306 lbs/acre avg.)                       |                        |                       | 1,610,855                | 1,610.86                       | 0.255                             |
| Molasses (\$0.55/gal; 189,512 gallons)                  | --                     | --                    | 104,232                  |                                |                                   |
| TOTAL GROSS VALUE                                       |                        |                       | 1,715,087                | 1,715.09                       | 0.272                             |
| MILL CHARGE (Payment in kind):                          |                        |                       |                          |                                |                                   |
| Sugar (39.0%)   | --                     | --                    | 628,234                  |                                |                                   |
| Molasses  | --                     | --                    | 52,116                   |                                |                                   |
| Total mill charge                                       |                        |                       | 680,350                  | 680.35                         | 0.108                             |
| NET RETURNS TO LAND AND PRODUCER                        |                        |                       | 1,034,738                | 1,034.74                       | 0.164                             |
| LAND RENT (Payment in kind):                            |                        |                       |                          |                                |                                   |
| Sugar (16.7% after mill charge)                         | --                     | --                    | 164,098                  |                                |                                   |
| Molasses (16.7% after mill charge)                      | --                     | --                    | 8,703                    |                                |                                   |
| Total land charge                                       |                        |                       | 172,801                  | 172.80                         | 0.027                             |
| PRODUCER INCOME   |                        |                       |                          |                                |                                   |
| Sugar and Molasses                                      | --                     | --                    | 861,937                  | 861.94                         | 0.136                             |
| ASCL Check Off (\$0.14 /ton)                            | --                     | --                    | (3,610)                  |                                |                                   |
| Total Income  |                        |                       | 858,327                  | 858.33                         | 0.136                             |
| VARIABLE PRODUCTION EXPENSES: 3/                        |                        |                       |                          |                                |                                   |
| Fallow Field & Seedbed Preparation                      | 123.50                 | 200.0                 | 24,700                   |                                |                                   |
| Cultured Seed Cane                                      | 523.71                 | 3.3                   | 1,728                    |                                |                                   |
| Hand Planting   | 213.26                 | 3.3                   | 704                      |                                |                                   |
| Harvesting Wholestalk Seedcane                          | 69.73                  | 39.4                  | 2,747                    |                                |                                   |
| Mechanical Planting - Wholestalk                        | 179.76                 | 196.7                 | 35,359                   |                                |                                   |
| Plant Cane Field Operations                             | 227.34                 | 200.0                 | 45,468                   |                                |                                   |
| 1st Stubble Field Operations                            | 277.44                 | 200.0                 | 55,488                   |                                |                                   |
| 2nd Stubble Field Operations                            | 274.05                 | 200.0                 | 54,810                   |                                |                                   |
| 3rd Stubble Field Operations                            | 274.05                 | 200.0                 | 54,810                   |                                |                                   |
| Harvest for Sugar 4/                                    | 145.31                 | 760.6                 | 110,523                  |                                |                                   |
| Total variable expenses                                 |                        |                       | 386,337                  | 386.34                         | 0.061                             |
| RETURNS ABOVE VARIABLE PRODUCTION EXPENSES              |                        |                       | 471,990                  | 471.99                         | 0.075                             |
| FIXED PRODUCTION EXPENSES 5/                            |                        | 1000.0                | 135,239                  | 135.24                         | 0.021                             |
| RETURNS ABOVE TOTAL PRODUCTION EXPENSES                 |                        |                       | 336,750                  | 336.75                         | 0.053                             |
| FARM OVERHEAD EXPENSES                                  |                        | 1000.0                | 30,000                   | 30.00                          | 0.005                             |
| NET RETURNS TO MANAGEMENT, RISK AND OTHER FARM EXPENSES |                        |                       | 306,750                  | 306.75                         | 0.049                             |

- 1/ Gross value of production is determined using estimated production from 1,000 acres of sugarcane land in an extended 5 year rotation (fallow/plant, plantcane, 1st stubble, 2nd stubble and 3rd stubble). Raw sugar is valued at 25.5 cents per pound and molasses at 55.0 cents per gallon.
- 2/ Harvested sugarcane is assumed to be transloaded to custom truck and trailer. Hauling costs from farm to mill and hauling rebate are excluded.
- 3/ Each category of production expense listed includes all variable costs associated with the specified operations including cost of inputs, labor, fuel, repairs, and interest on operating capital.
- 4/ Harvest costs are estimated assuming 100% of sugarcane is harvested with a combine harvester.
- 5/ Fixed expenses includes depreciation and interest charges on equipment used in production.
- 6/ Per acre dollar value is calculated by dividing total dollar value by total farm acreage.
- 7/ Per pound of sugar value is calculated by dividing total dollar value by total sugar production over 1,000 farm acres (6,317,080 pounds of sugar from 25,784 tons of cane).

Table 2B. Breakeven Selling Prices for Raw Sugar for Selected Yields and Rental Arrangements, 5-Year Rotation, Harvest through 3rd stubble, Tenant-Operators, Louisiana, 2018.

|  | Selected Yield Levels              |      |      |      |      |
|--|------------------------------------|------|------|------|------|
|  | -10%                               | -5%  | Base | +5%  | +10% |
| Cane yield per harvested acre (tons) 1/  | 30.5                               | 32.2 | 33.9 | 35.6 | 37.3 |
| Sugar yield per harvested acre (lbs) 2/  | 7475                               | 7890 | 8306 | 8721 | 9136 |
| Sugar yield per rotational acre (lbs) 3/ | 5685                               | 6001 | 6317 | 6633 | 6949 |
| <b>ONE-FIFTH LAND SHARE RENT</b>         |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 13.5                               | 13.0 | 12.5 | 12.1 | 11.7 |
| Total specified costs                    | 18.4                               | 17.6 | 16.9 | 16.3 | 15.7 |
| Total costs plus overhead                | 19.5                               | 18.6 | 17.9 | 17.2 | 16.6 |
| <b>ONE-SIXTH LAND SHARE RENT:</b>        |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 13.0                               | 12.5 | 12.0 | 11.6 | 11.3 |
| Total specified costs                    | 17.7                               | 16.9 | 16.2 | 15.6 | 15.1 |
| Total costs plus overhead                | 18.7                               | 17.9 | 17.2 | 16.5 | 15.9 |
| <b>ONE-SEVENTH LAND SHARE RENT:</b>      |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 12.6                               | 12.1 | 11.7 | 11.3 | 10.9 |
| Total specified costs                    | 17.2                               | 16.4 | 15.8 | 15.2 | 14.7 |
| Total costs plus overhead                | 18.2                               | 17.4 | 16.7 | 16.1 | 15.5 |

- 1/ Average farm yield across harvested acreage of plantcane, 1st, 2nd, and 3rd stubble crops.  
2/ Average yield in tons per acre multiplied by a 245 CRS.  
3/ Assumes a standard land rotation of 20.0% each of plantcane, 1st stubble, 2nd stubble, 3rd stubble, and fallow/plant.  
4/ Breakeven prices are calculated by dividing grower's share of production (48.8% for 1/5 crop share rent, 50.8% for 1/6 crop share rent, and 52.3% for 1/7 crop share rent) into direct costs, total specified costs, and total specified costs plus overhead. Charges for management, risk and additional farm overhead expenses are excluded.  
Breakeven sugar price excludes molasses payment. Mill share assumed to be 39.0%.

Table 2C. Breakeven Raw Sugar Yields for Selected Yields and Rental Arrangements, 5-Year Rotation, Harvest through 3rd stubble, Tenant-Operators, Louisiana, 2018.

|                                     | Selected Price Levels                        |       |       |       |       |
|-------------------------------------|--|-------|-------|-------|-------|
|                                     | -2.0   | -1.0  | Base  | +1.0  | +2.0  |
| Raw sugar price (cents per pound)   | 23.5   | 24.5  | 25.5  | 26.5  | 27.5  |
| <b>ONE-FIFTH LAND SHARE RENT</b>    |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 4,429  | 4,248 | 4,082 | 3,928 | 3,785 |
| Total specified costs               | 5,980  | 5,736 | 5,511 | 5,303 | 5,110 |
| Total costs plus overhead           | 6,324  | 6,065 | 5,828 | 5,608 | 5,404 |
| <b>ONE-SIXTH LAND SHARE RENT:</b>   |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 4,255  | 4,081 | 3,921 | 3,773 | 3,636 |
| Total specified costs               | 5,744  | 5,510 | 5,294 | 5,094 | 4,909 |
| Total costs plus overhead           | 6,075  | 5,827 | 5,598 | 5,387 | 5,191 |
| <b>ONE-SEVENTH LAND SHARE RENT:</b> |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 4,133  | 3,964 | 3,809 | 3,665 | 3,532 |
| Total specified costs               | 5,579  | 5,352 | 5,142 | 4,948 | 4,768 |
| Total costs plus overhead           | 5,900  | 5,660 | 5,438 | 5,232 | 5,042 |

- 1/ Breakeven sugar yield per harvested acre to recover direct costs, total specified costs, and total costs plus overhead. Charges for management, risk and additional farm overhead expenses are excluded.  
Breakeven sugar yield excludes molasses payment.

Table 3A. Projected Costs and Returns on 1,000 Acres of Sugarcane, 6-Year Rotation, Harvest through 4th stubble, Tenant-Operator, Louisiana, 2018.

| Item   | Dollars<br>Per<br>Acre | Number<br>of<br>Acres | Total<br>Dollar<br>Value | Per Acre<br>Dollar<br>Value 6/ | Per Pound<br>of Sugar<br>Value 7/ |
|--|------------------------|-----------------------|--------------------------|--------------------------------|-----------------------------------|
|  | (\$/acre)              | (acres)               | (\$)                     | (\$/acre)                      | (\$/lb)                           |
| <b>GROSS VALUE OF PRODUCTION: 1/</b>                           |                        |                       |                          |                                |                                   |
| Sugar: (\$0.255/lb; 6,360,229 lbs.)                            |                        |                       |                          |                                |                                   |
| Plantcane (9,800 lbs/acre)                                     | 2,499.00               | 133.9                 | 334,616                  |                                |                                   |
| 1st stubble (9,114 lbs/acre)                                   | 2,324.07               | 166.7                 | 387,422                  |                                |                                   |
| 2nd stubble (7,546 lbs/acre)                                   | 1,924.23               | 166.7                 | 320,769                  |                                |                                   |
| 3rd stubble (7,054 lbs/acre)                                   | 1,799.28               | 166.7                 | 299,940                  |                                |                                   |
| 4th stubble (6,566 lbs/acre)                                   | 1,674.33               | 166.7                 | 279,111                  |                                |                                   |
| Total sugar (7,938 lbs/acre avg.)                              |                        |                       | 1,621,858                | 1,621.86                       | 0.255                             |
| Molasses (\$0.55/gal, 190,807 gallons)                         | --                     | --                    | 104,944                  |                                |                                   |
| <b>TOTAL GROSS VALUE</b>                                       |                        |                       | 1,726,802                | 1,726.80                       | 0.272                             |
| <b>MILL CHARGE (Payment in kind):</b>                          |                        |                       |                          |                                |                                   |
| Sugar (39.0%)  | --                     | --                    | 632,525                  |                                |                                   |
| Molasses   | --                     | --                    | 52,472                   |                                |                                   |
| Total mill charge  |                        |                       | 684,997                  | 685.00                         | 0.108                             |
| <b>NET RETURNS TO LAND AND PRODUCER</b>                        |                        |                       | 1,041,806                | 1,041.81                       | 0.164                             |
| <b>LAND RENT (Payment in kind):</b>                            |                        |                       |                          |                                |                                   |
| Sugar (16.7% after mill charge)                                | --                     | --                    | 165,219                  |                                |                                   |
| Molasses (16.7% after mill charge)                             | --                     | --                    | 8,763                    |                                |                                   |
| Total land charge  |                        |                       | 173,982                  | 173.98                         | 0.027                             |
| <b>PRODUCER INCOME</b>   |                        |                       |                          |                                |                                   |
| Sugar and Molasses   | --                     | --                    | 876,824                  | 876.82                         | 0.136                             |
| ASCL Check Off (\$0.14 /ton)                                   | --                     | --                    | (3,634)                  |                                |                                   |
| Total Income   |                        |                       | 864,190                  | 864.19                         | 0.136                             |
| <b>VARIABLE PRODUCTION EXPENSES: 3/</b>                        |                        |                       |                          |                                |                                   |
| Fallow Field & Seedbed Preparation                             | 123.50                 | 166.7                 | 20,587                   |                                |                                   |
| Cultured Seed Cane   | 523.71                 | 2.7                   | 1,414                    |                                |                                   |
| Hand Planting  | 213.26                 | 2.7                   | 576                      |                                |                                   |
| Wholestalk Seedcane Harvest                                    | 69.73                  | 32.8                  | 2,287                    |                                |                                   |
| Mechanical Planting - Wholestalk                               | 179.76                 | 164.0                 | 29,481                   |                                |                                   |
| Plant Cane Field Operations                                    | 227.34                 | 166.7                 | 37,898                   |                                |                                   |
| 1st Stubble Field Operations                                   | 277.44                 | 166.7                 | 46,249                   |                                |                                   |
| 2nd Stubble Field Operations                                   | 247.05                 | 166.7                 | 45,684                   |                                |                                   |
| 3rd Stubble Field Operations                                   | 247.05                 | 166.7                 | 45,684                   |                                |                                   |
| 4th Stubble Field Operations                                   | 247.05                 | 166.7                 | 45,684                   |                                |                                   |
| Harvest for Sugar 4/   | 145.31                 | 800.7                 | 116,350                  |                                |                                   |
| Total variable expenses  |                        |                       | 391,894                  | 391.89                         | 0.062                             |
| <b>RETURNS ABOVE VARIABLE PRODUCTION EXPENSES</b>              |                        |                       | 472,296                  | 472.30                         | 0.074                             |
| <b>FIXED PRODUCTION EXPENSES 5/</b>                            |                        | 1000.0                | 135,252                  | 135.25                         | 0.021                             |
| <b>RETURNS ABOVE TOTAL PRODUCTION EXPENSES</b>                 |                        |                       | 337,044                  | 337.04                         | 0.053                             |
| <b>FARM OVERHEAD EXPENSES</b>                                  |                        | 1000.0                | 30,000                   | 30.00                          | 0.005                             |
| <b>NET RETURNS TO MANAGEMENT, RISK AND OTHER FARM EXPENSES</b> |                        |                       | 307,044                  | 307.04                         | 0.048                             |

- 1/ Gross value of production is determined using estimated production from 1,000 acres of sugarcane land in an extended 6 year rotation (fallow/plant, plantcane, 1st stubble, 2nd stubble, 3rd stubble and 4th stubble). Raw sugar is valued at 25.5 cents per pound and molasses at 67.0 cents per gallon.
- 2/ Harvested sugarcane is assumed to be transloaded to custom truck and trailer. Hauling costs from farm to mill and hauling rebate are excluded.
- 3/ Each category of production expense listed includes all variable costs associated with the specified operations including cost of inputs, labor, fuel, repairs, and interest on operating capital.
- 4/ Harvest costs are estimated assuming 100% of sugarcane is harvested with a combine harvester.
- 5/ Fixed expenses includes depreciation and interest charges on equipment used in production.
- 6/ Per acre dollar value is calculated by dividing total dollar value by total farm acreage.
- 7/ Per pound of sugar value is calculated by dividing total dollar value by total sugar production over 1,000 farm acres (6,360,229 pounds of sugar from 25,960 tons of cane).

Table 3B. Breakeven Selling Prices for Raw Sugar for Selected Yields and Rental Arrangements, 6-Year Rotation, Harvest through 4th stubble, Tenant-Operators, Louisiana, 2018.

|  | Selected Yield Levels              |      |      |      |      |
|--|------------------------------------|------|------|------|------|
|  | -10%                               | -5%  | Base | +5%  | +10% |
| Cane yield per harvested acre (tons) 1/  | 29.2                               | 30.8 | 32.4 | 34.0 | 35.6 |
| Sugar yield per harvested acre (lbs) 2/  | 7144                               | 7541 | 7938 | 8335 | 8732 |
| Sugar yield per rotational acre (lbs) 3/ | 5724                               | 6042 | 6360 | 6678 | 6996 |
| <b>ONE-FIFTH LAND SHARE RENT</b>         |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 14.8                               | 13.6 | 12.6 | 11.8 | 11.1 |
| Total specified costs                    | 20.3                               | 18.5 | 17.0 | 15.8 | 14.8 |
| Total costs plus overhead                | 21.5                               | 19.5 | 18.0 | 16.7 | 15.6 |
| <b>ONE-SIXTH LAND SHARE RENT:</b>        |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 14.3                               | 13.1 | 12.1 | 11.3 | 10.7 |
| Total specified costs                    | 19.5                               | 17.7 | 16.3 | 15.2 | 14.2 |
| Total costs plus overhead                | 20.6                               | 18.8 | 17.2 | 16.0 | 15.0 |
| <b>ONE-SEVENTH LAND SHARE RENT:</b>      |                                    |      |      |      |      |
| Breakeven price to recover: 4/           | -----cents per pound of sugar----- |      |      |      |      |
| Direct costs                             | 13.9                               | 12.7 | 11.8 | 11.0 | 10.4 |
| Total specified costs                    | 18.9                               | 17.2 | 15.9 | 14.7 | 13.8 |
| Total costs plus overhead                | 20.1                               | 18.2 | 16.8 | 15.6 | 14.5 |

- 1/ Average farm yield across harvested acreage of plantcane, 1st, 2nd, 3rd and 4th stubble crops.  
2/ Average yield in tons per acre multiplied by a 245 CRS.  
3/ Assumes a standard land rotation of 16.7% each of plantcane, 1st stubble, 2nd stubble, 3rd stubble, 4th stubble and fallow/plant.  
4/ Breakeven prices are calculated by dividing grower's share of production (48.8% for 1/5 crop share rent, 50.8% for 1/6 crop share rent, and 52.3% for 1/7 crop share rent) into direct costs, total specified costs, and total specified costs plus overhead. Charges for management, risk and additional farm overhead expenses are excluded.  
Breakeven sugar price excludes molasses payment. Mill share assumed to be 39.0%.

Table 3C. Breakeven Raw Sugar Yields for Selected Yields and Rental Arrangements, 6-Year Rotation, Harvest through 4th stubble, Tenant-Operators, Louisiana, 2018.

|                                     | Selected Price Levels                        |       |       |       |       |
|-------------------------------------|--|-------|-------|-------|-------|
|                                     | -2.0   | -1.0  | Base  | +1.0  | +2.0  |
| Raw sugar price (cents per pound)   | 23.5   | 24.5  | 25.5  | 26.5  | 27.5  |
| <b>ONE-FIFTH LAND SHARE RENT</b>    |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 4,269  | 4,094 | 3,934 | 3,785 | 3,648 |
| Total specified costs               | 5,742  | 5,508 | 5,292 | 5,092 | 4,907 |
| Total costs plus overhead           | 6,069  | 5,821 | 5,593 | 5,382 | 5,186 |
| <b>ONE-SIXTH LAND SHARE RENT:</b>   |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 4,101  | 3,933 | 3,779 | 3,636 | 3,504 |
| Total specified costs               | 5,516  | 5,291 | 5,083 | 4,891 | 4,714 |
| Total costs plus overhead           | 5,830  | 5,592 | 5,373 | 5,170 | 4,982 |
| <b>ONE-SEVENTH LAND SHARE RENT:</b> |  |       |       |       |       |
| Breakeven yield to recover: 1/      | -----pounds of sugar per harvested acre----- |       |       |       |       |
| Direct costs                        | 3,983  | 3,820 | 3,671 | 3,532 | 3,404 |
| Total specified costs               | 5,358  | 5,139 | 4,937 | 4,751 | 4,578 |
| Total costs plus overhead           | 5,663  | 5,432 | 5,219 | 5,022 | 4,839 |

- 1/ Breakeven sugar yield per harvested acre to recover direct costs, total specified costs, and total costs plus overhead. Charges for management, risk and additional farm overhead expenses are excluded.  
Breakeven sugar yield excludes molasses payment.

Table 4.A Estimated costs per acre, Breaking stubble, fallow activities & seedbed preparation, Sugarcane, Louisiana 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| HERBICIDES               |      |         |          |         |           |
| Roundup Power Max        | pt   | 2.50    | 5.0000   | 12.50   | _____     |
| SERVICE FEE              |      |         |          |         |           |
| Crop Consultant          | acre | 7.00    | 1.0000   | 7.00    | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 2.7675   | 28.74   | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 21.8864  | 49.87   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 11.12   | 1.0000   | 11.12   | _____     |
| Tractors                 | acre | 11.45   | 1.0000   | 11.45   | _____     |
| INTEREST ON OP. CAP.     | acre | 2.82    | 1.0000   | 2.82    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 123.50  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 15.52   | 1.0000   | 15.52   | _____     |
| Tractors                 | acre | 70.61   | 1.0000   | 70.61   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 86.13   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 209.63  | _____     |

Table 4.B Estimated resource use and costs for field operations, per acre Breaking stubble, fallow activities & seedbed preparation, Sugarcane, Louisiana 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       |       | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|-------|---------------|
|                               |               |                    |              |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE | COST  |               |
|                               |               |                    |              |               |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |       |               |
| SC Disk                       | 20 ft         | MFWD 190           | 0.100        | 2.00          | Mar | 5.54              | 6.81  | 1.54           | 2.13  | 0.20        | 2.08  |                         |       |       | 18.10         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Mar | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Chisel Plow                | 13 ft         | MFWD 190           | 0.219        | 1.00          | Mar | 6.09              | 7.48  | 0.97           | 1.20  | 0.21        | 2.28  |                         |       |       | 18.02         |
| SC Land Plane                 | 15 ft         | MFWD 150           | 0.300        | 2.00          | Apr | 13.03             | 14.80 | 1.32           | 2.75  | 0.60        | 6.23  |                         |       |       | 38.13         |
| SC Chisel Plow                | 13 ft         | MFWD 190           | 0.219        | 1.00          | Apr | 6.09              | 7.48  | 0.97           | 1.20  | 0.21        | 2.28  |                         |       |       | 18.02         |
| SC Disk                       | 20 ft         | MFWD 190           | 0.100        | 1.00          | Apr | 2.77              | 3.40  | 0.77           | 1.06  | 0.10        | 1.04  |                         |       |       | 9.04          |
| SC Disk                       | 20 ft         | MFWD 190           | 0.100        | 1.00          | Apr | 2.77              | 3.40  | 0.77           | 1.06  | 0.10        | 1.04  |                         |       |       | 9.04          |
| SC 5Row (Marker)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | May | 1.63              | 1.85  | 0.37           | 0.43  | 0.07        | 0.78  |                         |       |       | 5.06          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 2.00          | May | 3.25              | 3.70  | 0.86           | 1.04  | 0.15        | 1.56  |                         |       |       | 10.41         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | May | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| Subsoiler                     | 3 shank       | MFWD 190           | 0.204        | 0.50          | May | 2.83              | 3.48  | 0.15           | 0.38  | 0.10        | 1.06  |                         |       |       | 7.90          |
| SC Chisel Plow                | 23 ft         | MFWD 190           | 0.120        | 0.50          | May | 1.66              | 2.04  | 0.25           | 0.66  | 0.06        | 0.62  |                         |       |       | 5.23          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 2.00          | May | 3.25              | 3.70  | 0.86           | 1.04  | 0.15        | 1.56  |                         |       |       | 10.41         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | May | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | Jun | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |       | 7.35          |
| Roundup Power Max             | pt            |                    |              |               |     |                   |       |                |       |             |       | 2.5000                  | 2.50  | 6.25  | 6.25          |
| SC 5Row (Plow)                | 18 ft         | MFWD 150           | 0.075        | 1.00          | Jul | 1.63              | 1.85  | 0.69           | 0.84  | 0.07        | 0.78  |                         |       |       | 5.79          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Jul | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | Aug | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |       | 7.35          |
| Roundup Power Max             | pt            |                    |              |               |     |                   |       |                |       |             |       | 2.5000                  | 2.50  | 6.25  | 6.25          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Aug | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |       | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Aug | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| Crop Consultant               | acre          |                    |              | 1.00          | Sep |                   |       |                |       |             |       | 1.0000                  | 7.00  | 7.00  | 7.00          |
| TOTALS                        |               |                    |              |               |     | 61.32             | 70.61 | 11.12          | 15.52 | 2.76        | 28.74 |                         |       | 19.50 | 206.81        |
| INTEREST ON OPERATING CAPITAL |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 2.82          |
| UNALLOCATED LABOR             |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 209.63        |

Table 5.A Estimated costs per acre,  
Cultured seed cane,  
Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| SEED/PLANTS              |      |         |          |         |           |
| SC Cultured seedcane     | acre | 484.00  | 1.0000   | 484.00  | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Self-Propelled           | hour | 10.38   | 0.3303   | 3.43    | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Self-Propelled           | gal  | 2.28    | 2.1021   | 4.79    | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Self-Propelled           | acre | 7.74    | 1.0000   | 7.74    | _____     |
| INTEREST ON OP. CAP.     | acre | 23.75   | 1.0000   | 23.75   | _____     |
|                          |      |         |          | -----   |           |
| TOTAL DIRECT EXPENSES    |      |         |          | 523.71  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Self-Propelled           | acre | 12.88   | 1.0000   | 12.88   | _____     |
|                          |      |         |          | -----   |           |
| TOTAL FIXED EXPENSES     |      |         |          | 12.88   | _____     |
|                          |      |         |          | -----   |           |
| TOTAL SPECIFIED EXPENSES |      |         |          | 536.59  | _____     |

Table 5.B Estimated resource use and costs for field operations, per acre  
Cultured seed cane,  
Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |      | OPERATING/DURABLE INPUT |        |        | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|-------------|------|-------------------------|--------|--------|---------------|
|                               |               |                    |              |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST | AMOUNT                  | PRICE  | COST   |               |
|                               |               |                    |              |               |     | -----dollars----- |       |                |       | dollars     |      | -----dollars-----       |        |        |               |
| SC Cultured seedcane          | acre          |                    | 1.00         | Sep           |     |                   |       |                |       |             |      | 1.0000                  | 484.00 | 484.00 | 484.00        |
| SC Loader 2Rw                 | 12 ft         |                    | 0.300        | 1.00          | Sep | 12.53             | 12.88 |                |       | 0.33        | 3.43 |                         |        |        | 28.84         |
| TOTALS                        |               |                    |              |               |     | 12.53             | 12.88 | 0.00           | 0.00  | 0.33        | 3.43 |                         |        | 484.00 | 512.84        |
| INTEREST ON OPERATING CAPITAL |               |                    |              |               |     |                   |       |                |       |             |      |                         |        | 23.75  |               |
| UNALLOCATED LABOR             |               |                    |              |               |     |                   |       |                |       |             |      |                         |        | 0.00   |               |
| TOTAL SPECIFIED COST          |               |                    |              |               |     |                   |       |                |       |             |      |                         |        | 536.59 |               |



Table 6.A Estimated costs per acre,  
Wholestalk seedcane harvest,  
Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| LA OPERATOR LABOR        |      |         |          |         |           |
| Self-Propelled           | hour | 15.30   | 0.4268   | 6.53    | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 0.6300   | 6.54    | _____     |
| Self-Propelled           | hour | 10.38   | 0.3303   | 3.43    | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 4.5553   | 10.38   | _____     |
| Self-Propelled           | gal  | 2.28    | 5.2061   | 11.87   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 0.76    | 1.0000   | 0.76    | _____     |
| Tractors                 | acre | 2.34    | 1.0000   | 2.34    | _____     |
| Self-Propelled           | acre | 24.72   | 1.0000   | 24.72   | _____     |
| INTEREST ON OP. CAP.     | acre | 3.16    | 1.0000   | 3.16    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 69.73   | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 0.99    | 1.0000   | 0.99    | _____     |
| Tractors                 | acre | 14.12   | 1.0000   | 14.12   | _____     |
| Self-Propelled           | acre | 34.58   | 1.0000   | 34.58   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 49.69   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 119.42  | _____     |

Table 6.B Estimated resource use and costs for field operations, per acre  
Wholestalk seedcane harvest,  
Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|---------------|
|                               |               |                    |              |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE |               |
|                               |               |                    |              |               |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |               |
| SC Harvester 2Rw              | 12 ft         |                    | 0.388        | 1.00          | Sep | 24.06             | 21.70 |                |       | 0.42        | 6.53  |                         |       | 52.29         |
| SC Loader 2Rw                 | 12 ft         |                    | 0.300        | 1.00          | Sep | 12.53             | 12.88 |                |       | 0.33        | 3.43  |                         |       | 28.84         |
| SC Cane Wagon 10T             | 10 Ton        | MFWD 150           | 0.500        | 1.00          | Sep | 11.93             | 13.55 | 0.63           | 0.86  | 0.55        | 5.71  |                         |       | 32.68         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Sep | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       | 2.45          |
| TOTALS                        |               |                    |              |               |     | 49.31             | 48.70 | 0.76           | 0.99  | 1.38        | 16.50 |                         |       | 116.26        |
| INTEREST ON OPERATING CAPITAL |               |                    |              |               |     |                   |       |                |       |             |       |                         | 0.00  | 3.16          |
| UNALLOCATED LABOR             |               |                    |              |               |     |                   |       |                |       |             |       |                         |       | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |              |               |     |                   |       |                |       |             |       |                         |       | 119.42        |

Table 7.A Estimated costs per acre,  
Billet seedcane harvest,  
Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| LA OPERATOR LABOR        |      |         |          |         |           |
| Self-Propelled           | hour | 15.30   | 0.7700   | 11.78   | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 0.7400   | 7.68    | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 5.4046   | 12.32   | _____     |
| Self-Propelled           | gal  | 2.28    | 8.4000   | 19.15   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 5.46    | 1.0000   | 5.46    | _____     |
| Tractors                 | acre | 2.79    | 1.0000   | 2.79    | _____     |
| Self-Propelled           | acre | 27.07   | 1.0000   | 27.07   | _____     |
| INTEREST ON OP. CAP.     | acre | 4.10    | 1.0000   | 4.10    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 90.35   | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 4.20    | 1.0000   | 4.20    | _____     |
| Tractors                 | acre | 16.83   | 1.0000   | 16.83   | _____     |
| Self-Propelled           | acre | 32.47   | 1.0000   | 32.47   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 53.50   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 143.85  | _____     |

Table 7.B Estimated resource use and costs for field operations, per acre  
Billet seedcane harvest,  
Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF TIMES |      |     | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|------------|------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|---------------|
|                               |               |                    | RATE       | OVER | MTH | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE |               |
|                               |               |                    |            |      |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |               |
| SC Billet Harvester           | 6 ft          |                    | 0.700      | 1.00 | Sep | 46.22             | 32.47 | 5.33           | 4.07  | 0.77        | 11.78 |                         |       | 90.47         |
| SC Cane Wgn Billt HD          | 10Ton         | MFWD 150           | 0.600      | 1.00 | Sep | 14.32             | 16.26 | 0.13           | 0.13  | 0.66        | 6.85  |                         |       | 46.83         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080      | 1.00 | Sep | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       | 2.45          |
| TOTALS                        |               |                    |            |      |     | 61.33             | 49.30 | 5.46           | 4.20  | 1.51        | 19.46 |                         | 0.00  | 139.75        |
| INTEREST ON OPERATING CAPITAL |               |                    |            |      |     |                   |       |                |       |             |       |                         |       | 4.10          |
| UNALLOCATED LABOR             |               |                    |            |      |     |                   |       |                |       |             |       |                         |       | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |            |      |     |                   |       |                |       |             |       |                         |       | 143.85        |

Table 8.A Estimated costs per acre,  
Hand planting, 1-Row Wholestalk,  
Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| HERBICIDES               |      |         |          |         |           |
| Sencor DF                | lb   | 9.00    | 1.5000   | 13.50   | _____     |
| Prowl 3.3 EC             | pt   | 6.07    | 7.2000   | 43.70   | _____     |
| LA SC Planting Labor     |      |         |          |         |           |
| Special Labor            | acre | 25.00   | 3.0000   | 75.00   | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 2.0700   | 21.49   | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 15.5083  | 35.34   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 15.13   | 1.0000   | 15.13   | _____     |
| Tractors                 | acre | 8.06    | 1.0000   | 8.06    | _____     |
| INTEREST ON OP. CAP.     | acre | 1.04    | 1.0000   | 1.04    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 213.26  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 23.74   | 1.0000   | 23.74   | _____     |
| Tractors                 | acre | 48.87   | 1.0000   | 48.87   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 72.61   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 285.87  | _____     |

Table 8.B Estimated resource use and costs for field operations, per acre  
Hand planting, 1-Row Wholestalk,  
Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       |       | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|-----------|---------------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|-------|---------------|
|                               |               |                    |           |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE | COST  |               |
|                               |               |                    |           |               |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |       |               |
| SC Rototiller                 | 18 ft         | MFWD 190           | 0.219     | 1.00          | Sep | 6.09              | 7.48  | 3.52           | 3.56  | 0.21        | 2.28  |                         |       |       | 22.93         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075     | 1.00          | Sep | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |       | 5.21          |
| SC 5Row (Opener)              | 18 ft         | MFWD 150           | 0.075     | 1.00          | Sep | 1.63              | 1.85  | 0.29           | 0.36  | 0.07        | 0.78  |                         |       |       | 4.91          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080     | 1.00          | Sep | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Cane Planters Aid          | 6 ft          | MFWD 150           | 1.000     | 1.00          | Sep | 21.69             | 24.64 | 8.44           | 17.37 | 1.00        | 10.38 |                         |       |       | 82.52         |
| LA SC Planting Labor          | acre          |                    |           |               |     |                   |       |                |       | 3.00        | 75.00 |                         |       |       | 75.00         |
| SC 5Row (Cover)               | 18 ft         | MFWD 150           | 0.075     | 1.00          | Sep | 1.63              | 1.85  | 0.90           | 0.27  | 0.07        | 0.78  |                         |       |       | 5.43          |
| SC Flat Roller                | 18 ft         | MFWD 150           | 0.190     | 1.00          | Sep | 4.13              | 4.68  | 0.47           | 0.47  | 0.19        | 1.97  |                         |       |       | 11.72         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080     | 1.00          | Sep | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120     | 1.00          | Sep | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |       | 7.35          |
| Sencor DF                     | lb            |                    |           |               |     |                   |       |                |       |             |       | 1.5000                  | 9.00  | 13.50 | 13.50         |
| Prowl 3.3 EC                  | pt            |                    |           |               |     |                   |       |                |       |             |       | 7.2000                  | 6.07  | 43.70 | 43.70         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075     | 1.00          | Oct | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |       | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080     | 1.00          | Oct | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| TOTALS                        |               |                    |           |               |     | 43.40             | 48.87 | 15.13          | 23.74 | 5.07        | 96.49 |                         |       | 57.20 | 284.83        |
| INTEREST ON OPERATING CAPITAL |               |                    |           |               |     |                   |       |                |       |             |       |                         |       |       | 1.04          |
| UNALLOCATED LABOR             |               |                    |           |               |     |                   |       |                |       |             |       |                         |       |       | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |           |               |     |                   |       |                |       |             |       |                         |       |       | 285.87        |

Table 9.A Estimated costs per acre,  
Mechanical planting, 1-Row  
Wholestalk, Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| HERBICIDES               |      |         |          |         |           |
| Sencor DF                | lb   | 9.00    | 1.5000   | 13.50   | _____     |
| Prowl 3.3 EC             | pt   | 6.07    | 7.2000   | 43.70   | _____     |
| LA SC Planting Labor     |      |         |          |         |           |
| Special Labor            | acre | 25.00   | 2.0000   | 50.00   | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 1.7400   | 18.06   | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 12.9604  | 29.53   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 10.38   | 1.0000   | 10.38   | _____     |
| Tractors                 | acre | 6.71    | 1.0000   | 6.71    | _____     |
| INTEREST ON OP. CAP.     | acre | 7.88    | 1.0000   | 7.88    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 179.76  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 13.96   | 1.0000   | 13.96   | _____     |
| Tractors                 | acre | 40.74   | 1.0000   | 40.74   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 54.70   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 234.46  | _____     |

Table 9.B Estimated resource use and costs for field operations, per acre  
Mechanical planting, 1-Row Wholestalk,  
Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       |       | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|-------|---------------|
|                               |               |                    |              |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE | COST  |               |
|                               |               |                    |              |               |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |       |               |
| SC Rototiller                 | 18 ft         | MFWD 190           | 0.219        | 1.00          | Sep | 6.09              | 7.48  | 3.52           | 3.56  | 0.21        | 2.28  |                         |       |       | 22.93         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Sep | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |       | 5.21          |
| SC 5Row (Opener)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Sep | 1.63              | 1.85  | 0.29           | 0.36  | 0.07        | 0.78  |                         |       |       | 4.91          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Sep | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Cane Plt-Whlstalk          | 6 ft          | MFWD 150           | 0.670        | 1.00          | Sep | 14.53             | 16.51 | 3.69           | 7.59  | 0.67        | 6.95  |                         |       |       | 49.27         |
| LA SC Planting Labor          | acre          |                    |              |               |     |                   |       |                |       | 2.00        | 50.00 |                         |       |       | 50.00         |
| SC 5Row (Cover)               | 18 ft         | MFWD 150           | 0.075        | 1.00          | Sep | 1.63              | 1.85  | 0.90           | 0.27  | 0.07        | 0.78  |                         |       |       | 5.43          |
| SC Flat Roller                | 18 ft         | MFWD 150           | 0.190        | 1.00          | Sep | 4.13              | 4.68  | 0.47           | 0.47  | 0.19        | 1.97  |                         |       |       | 11.72         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Sep | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | Oct | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |       | 7.35          |
| Sencor DF                     | lb            |                    |              |               |     |                   |       |                |       |             |       | 1.5000                  | 9.00  | 13.50 | 13.50         |
| Prowl 3.3 EC                  | pt            |                    |              |               |     |                   |       |                |       |             |       | 7.2000                  | 6.07  | 43.70 | 43.70         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Nov | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |       | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Nov | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| TOTALS                        |               |                    |              |               |     | 36.24             | 40.74 | 10.38          | 13.96 | 3.74        | 68.06 |                         |       | 57.20 | 226.58        |
| INTEREST ON OPERATING CAPITAL |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 7.88          |
| UNALLOCATED LABOR             |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 234.46        |

Table 10.A Estimated costs per acre,  
Mechanical planting, 1-Row Billet,  
Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| HERBICIDES               |      |         |          |         |           |
| Sencor DF                | lb   | 9.00    | 1.5000   | 13.50   | _____     |
| Prowl 3.3 EC             | pt   | 6.07    | 7.2000   | 43.70   | _____     |
| LA SC Planting Labor     |      |         |          |         |           |
| Special Labor            | acre | 25.00   | 1.0000   | 25.00   | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 1.7400   | 18.06   | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 12.9604  | 29.53   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 10.38   | 1.0000   | 10.38   | _____     |
| Tractors                 | acre | 6.71    | 1.0000   | 6.71    | _____     |
| INTEREST ON OP. CAP.     | acre | 6.69    | 1.0000   | 6.69    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 153.57  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 13.96   | 1.0000   | 13.96   | _____     |
| Tractors                 | acre | 40.74   | 1.0000   | 40.74   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 54.70   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 208.27  | _____     |

Table 10.B Estimated resource use and costs for field operations, per acre  
Mechanical planting, 1-Row Billet,  
Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       |       | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|-------|---------------|
|                               |               |                    |              |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE | COST  |               |
|                               |               |                    |              |               |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |       |               |
| SC Rototiller                 | 18 ft         | MFWD 190           | 0.219        | 1.00          | Sep | 6.09              | 7.48  | 3.52           | 3.56  | 0.21        | 2.28  |                         |       |       | 22.93         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Sep | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |       | 5.21          |
| SC 5Row (Opener)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Sep | 1.63              | 1.85  | 0.29           | 0.36  | 0.07        | 0.78  |                         |       |       | 4.91          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Sep | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Cane Plt-1R Bille 1 row    |               | MFWD 150           | 0.670        | 1.00          | Sep | 14.53             | 16.51 | 3.69           | 7.59  | 0.67        | 6.95  |                         |       |       | 49.27         |
| LA SC Planting Labor acre     |               |                    |              |               |     |                   |       |                |       | 1.00        | 25.00 |                         |       |       | 25.00         |
| SC 5Row (Cover)               | 18 ft         | MFWD 150           | 0.075        | 1.00          | Sep | 1.63              | 1.85  | 0.90           | 0.27  | 0.07        | 0.78  |                         |       |       | 5.43          |
| SC Flat Roller                | 18 ft         | MFWD 150           | 0.190        | 1.00          | Sep | 4.13              | 4.68  | 0.47           | 0.47  | 0.19        | 1.97  |                         |       |       | 11.72         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Sep | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | Oct | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |       | 7.35          |
| Sencor DF                     | lb            |                    |              |               |     |                   |       |                |       |             |       | 1.5000                  | 9.00  | 13.50 | 13.50         |
| Prowl 3.3 EC                  | pt            |                    |              |               |     |                   |       |                |       |             |       | 7.2000                  | 6.07  | 43.70 | 43.70         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Nov | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |       | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Nov | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |       | 2.45          |
| TOTALS                        |               |                    |              |               |     | 36.24             | 40.74 | 10.38          | 13.96 | 2.74        | 43.06 |                         |       | 57.20 | 201.58        |
| INTEREST ON OPERATING CAPITAL |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 6.69          |
| UNALLOCATED LABOR             |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |       | 208.27        |

Table 11.A Estimated costs per acre,  
Plant cane field operations,  
Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| CUSTOM SPRAY             |      |         |          |         |           |
| App by Air ( 2 gal)      | appl | 4.00    | 2.0000   | 8.00    | _____     |
| FERTILIZERS              |      |         |          |         |           |
| LA Nitrogen              | lb   | 0.34    | 80.0000  | 27.20   | _____     |
| LA Potash                | lb   | 0.26    | 80.0000  | 20.80   | _____     |
| HERBICIDES               |      |         |          |         |           |
| Sencor DF                | lb   | 9.00    | 0.7500   | 6.75    | _____     |
| Prowl 3.3 EC             | pt   | 6.07    | 3.6000   | 21.85   | _____     |
| LA Weedmaster            | qt   | 3.08    | 0.7500   | 2.31    | _____     |
| LA Asulox/Asulam         | gal  | 38.80   | 0.5000   | 19.40   | _____     |
| Treflan HFP              | pt   | 3.52    | 4.0000   | 14.08   | _____     |
| Atrazine 4L              | pt   | 1.50    | 4.0000   | 6.00    | _____     |
| INSECTICIDES             |      |         |          |         |           |
| Confirm 2F               | oz   | 1.86    | 16.0000  | 29.76   | _____     |
| SERVICE FEE              |      |         |          |         |           |
| Crop Consultant          | acre | 7.00    | 1.0000   | 7.00    | _____     |
| ADJUVANTS                |      |         |          |         |           |
| Surfactant               | pt   | 1.63    | 3.2000   | 5.22    | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 1.6679   | 17.33   | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 11.3340  | 25.81   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 5.20    | 1.0000   | 5.20    | _____     |
| Tractors                 | acre | 5.64    | 1.0000   | 5.64    | _____     |
| INTEREST ON OP. CAP.     | acre | 4.99    | 1.0000   | 4.99    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 227.34  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 6.66    | 1.0000   | 6.66    | _____     |
| Tractors                 | acre | 34.11   | 1.0000   | 34.11   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 40.77   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 268.11  | _____     |

Table 11.B Estimated resource use and costs for field operations, per acre  
 Plant cane field operations,  
 Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       |        | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|-----------|---------------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|--------|---------------|
|                               |               |                    |           |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE | COST   |               |
|                               |               |                    |           |               |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |        |               |
| SC 5Row (Offbar)              | 18 ft         | MFWD 150           | 0.075     | 1.00          | Feb | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080     | 1.00          | Feb | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120     | 1.00          | Mar | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Sencor DF                     | lb            |                    |           |               |     |                   |       |                |       |             |       | 0.7500                  | 9.00  | 6.75   | 6.75          |
| Prowl 3.3 EC                  | pt            |                    |           |               |     |                   |       |                |       |             |       | 3.6000                  | 6.07  | 21.85  | 21.85         |
| LA Weedmaster                 | qt            |                    |           |               |     |                   |       |                |       |             |       | 0.7500                  | 3.08  | 2.31   | 2.31          |
| SC Fert 3Row Lq App           | 18 ft         | MFWD 150           | 0.130     | 1.00          | Mar | 2.82              | 3.20  | 0.36           | 0.55  | 0.13        | 1.35  |                         |       |        | 8.28          |
| LA Nitrogen                   | lb            |                    |           |               |     |                   |       |                |       |             |       | 80.0000                 | 0.34  | 27.20  | 27.20         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075     | 2.00          | Mar | 3.25              | 3.70  | 0.86           | 1.04  | 0.15        | 1.56  |                         |       |        | 10.41         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080     | 1.00          | Mar | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Fert DrySlingApp           | 42 ft         | MFWD 150           | 0.059     | 1.00          | Apr | 1.31              | 1.48  | 0.23           | 0.32  | 0.05        | 0.62  |                         |       |        | 3.96          |
| LA Potash                     | lb            |                    |           |               |     |                   |       |                |       |             |       | 80.0000                 | 0.26  | 20.80  | 20.80         |
| Disk Bed (Hipper)             | 4R-38         | MFWD 150           | 0.147     | 1.00          | Apr | 3.20              | 3.64  | 0.34           | 0.90  | 0.14        | 1.53  |                         |       |        | 9.61          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080     | 1.00          | Apr | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075     | 1.00          | Apr | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080     | 1.00          | Apr | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120     | 1.00          | Apr | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| LA Asulox/Asulam              | gal           |                    |           |               |     |                   |       |                |       |             |       | 0.5000                  | 38.80 | 19.40  | 19.40         |
| Surfactant                    | pt            |                    |           |               |     |                   |       |                |       |             |       | 1.6000                  | 1.63  | 2.61   | 2.61          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075     | 1.00          | May | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080     | 1.00          | May | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120     | 1.00          | May | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Treflan HFP                   | pt            |                    |           |               |     |                   |       |                |       |             |       | 4.0000                  | 3.52  | 14.08  | 14.08         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075     | 1.00          | May | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120     | 1.00          | May | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Atrazine 4L                   | pt            |                    |           |               |     |                   |       |                |       |             |       | 4.0000                  | 1.50  | 6.00   | 6.00          |
| Surfactant                    | pt            |                    |           |               |     |                   |       |                |       |             |       | 1.6000                  | 1.63  | 2.61   | 2.61          |
| App by Air ( 2 gal)           | appl          |                    |           | 1.00          | Jun |                   |       |                |       |             |       | 1.0000                  | 4.00  | 4.00   | 4.00          |
| Confirm 2F                    | oz            |                    |           |               |     |                   |       |                |       |             |       | 8.0000                  | 1.86  | 14.88  | 14.88         |
| App by Air ( 2 gal)           | appl          |                    |           | 1.00          | Jul |                   |       |                |       |             |       | 1.0000                  | 4.00  | 4.00   | 4.00          |
| Confirm 2F                    | oz            |                    |           |               |     |                   |       |                |       |             |       | 8.0000                  | 1.86  | 14.88  | 14.88         |
| Crop Consultant               | acre          |                    |           | 1.00          | Aug |                   |       |                |       |             |       | 1.0000                  | 7.00  | 7.00   | 7.00          |
| TOTALS                        |               |                    |           |               |     | 31.45             | 34.11 | 5.20           | 6.66  | 1.66        | 17.33 |                         |       | 168.37 | 263.12        |
| INTEREST ON OPERATING CAPITAL |               |                    |           |               |     |                   |       |                |       |             |       |                         |       |        | 4.99          |
| UNALLOCATED LABOR             |               |                    |           |               |     |                   |       |                |       |             |       |                         |       |        | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |           |               |     |                   |       |                |       |             |       |                         |       |        | 268.11        |

Table 12.A Estimated costs per acre,  
 First Stubble field operations,  
 Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| CUSTOM SPRAY             |      |         |          |         |           |
| App by Air ( 2 gal)      | appl | 4.00    | 3.0000   | 12.00   | _____     |
| FERTILIZERS              |      |         |          |         |           |
| LA Nitrogen              | lb   | 0.34    | 100.0000 | 34.00   | _____     |
| LA Phosphate             | lb   | 0.40    | 40.0000  | 16.00   | _____     |
| LA Potash                | lb   | 0.26    | 100.0000 | 26.00   | _____     |
| Sulfur                   | lb   | 0.34    | 24.0000  | 8.16    | _____     |
| HERBICIDES               |      |         |          |         |           |
| Sencor DF                | lb   | 9.00    | 0.7500   | 6.75    | _____     |
| Prowl 3.3 EC             | pt   | 6.07    | 3.6000   | 21.85   | _____     |
| LA Weedmaster            | qt   | 3.08    | 0.7500   | 2.31    | _____     |
| LA Asulox/Asulam         | gal  | 38.80   | 0.5000   | 19.40   | _____     |
| Treflan HFP              | pt   | 3.52    | 4.0000   | 14.08   | _____     |
| Atrazine 4L              | pt   | 1.50    | 4.0000   | 6.00    | _____     |
| INSECTICIDES             |      |         |          |         |           |
| Confirm 2F               | oz   | 1.86    | 16.0000  | 29.76   | _____     |
| GROWTH REGULATORS        |      |         |          |         |           |
| LA Polado                | oz   | 0.16    | 8.0000   | 1.28    | _____     |
| SERVICE FEE              |      |         |          |         |           |
| Crop Consultant          | acre | 7.00    | 1.0000   | 7.00    | _____     |
| ADJUVANTS                |      |         |          |         |           |
| Surfactant               | pt   | 1.63    | 4.8000   | 7.82    | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 1.7904   | 18.61   | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 12.2793  | 27.96   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 5.98    | 1.0000   | 5.98    | _____     |
| Tractors                 | acre | 6.14    | 1.0000   | 6.14    | _____     |
| INTEREST ON OP. CAP.     | acre | 6.33    | 1.0000   | 6.33    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 277.44  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 7.10    | 1.0000   | 7.10    | _____     |
| Tractors                 | acre | 37.13   | 1.0000   | 37.13   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 44.23   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 321.67  | _____     |



Table 12.B Estimated resource use and costs for field operations, per acre  
 First Stubble field operations,  
 Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       |        | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|--------|---------------|
|                               |               |                    |              |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE | COST   |               |
|                               |               |                    |              |               |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |        |               |
| SC 5Row (Offbar)              | 18 ft         | MFWD 150           | 0.075        | 2.00          | Feb | 3.25              | 3.70  | 0.86           | 1.05  | 0.15        | 1.56  |                         |       |        | 10.42         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Feb | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | Mar | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Sencor DF                     | lb            |                    |              |               |     |                   |       |                |       |             |       | 0.7500                  | 9.00  | 6.75   | 6.75          |
| Prowl 3.3 EC                  | pt            |                    |              |               |     |                   |       |                |       |             |       | 3.6000                  | 6.07  | 21.85  | 21.85         |
| LA Weedmaster                 | qt            |                    |              |               |     |                   |       |                |       |             |       | 0.7500                  | 3.08  | 2.31   | 2.31          |
| SC Fert 3Row Lq App           | 18 ft         | MFWD 150           | 0.130        | 1.00          | Mar | 2.82              | 3.20  | 0.36           | 0.55  | 0.13        | 1.35  |                         |       |        | 8.28          |
| LA Nitrogen                   | lb            |                    |              |               |     |                   |       |                |       |             |       | 100.0000                | 0.34  | 34.00  | 34.00         |
| SC 5Row (Offbar)              | 18 ft         | MFWD 150           | 0.075        | 2.00          | Mar | 3.25              | 3.70  | 0.86           | 1.05  | 0.15        | 1.56  |                         |       |        | 10.42         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Mar | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Fert DrySlingApp           | 42 ft         | MFWD 150           | 0.059        | 1.00          | Mar | 1.31              | 1.48  | 0.23           | 0.32  | 0.05        | 0.62  |                         |       |        | 3.96          |
| LA Phosphate                  | lb            |                    |              |               |     |                   |       |                |       |             |       | 40.0000                 | 0.40  | 16.00  | 16.00         |
| LA Potash                     | lb            |                    |              |               |     |                   |       |                |       |             |       | 100.0000                | 0.26  | 26.00  | 26.00         |
| Sulfur                        | lb            |                    |              |               |     |                   |       |                |       |             |       | 24.0000                 | 0.34  | 8.16   | 8.16          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Mar | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Mar | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | Mar | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Surfactant                    | pt            |                    |              |               |     |                   |       |                |       |             |       | 1.6000                  | 1.63  | 2.61   | 2.61          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | Apr | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | Apr | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | Apr | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| LA Asulox/Asulam              | gal           |                    |              |               |     |                   |       |                |       |             |       | 0.5000                  | 38.80 | 19.40  | 19.40         |
| Surfactant                    | pt            |                    |              |               |     |                   |       |                |       |             |       | 1.6000                  | 1.63  | 2.61   | 2.61          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | May | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080        | 1.00          | May | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | May | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Treflan HFP                   | pt            |                    |              |               |     |                   |       |                |       |             |       | 4.0000                  | 3.52  | 14.08  | 14.08         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075        | 1.00          | May | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120        | 1.00          | May | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Atrazine 4L                   | pt            |                    |              |               |     |                   |       |                |       |             |       | 4.0000                  | 1.50  | 6.00   | 6.00          |
| Surfactant                    | pt            |                    |              |               |     |                   |       |                |       |             |       | 1.6000                  | 1.63  | 2.61   | 2.61          |
| App by Air ( 2 gal)           | appl          |                    |              | 1.00          | Jun |                   |       |                |       |             |       | 1.0000                  | 4.00  | 4.00   | 4.00          |
| Confirm 2F                    | oz            |                    |              |               |     |                   |       |                |       |             |       | 8.0000                  | 1.86  | 14.88  | 14.88         |
| App by Air ( 2 gal)           | appl          |                    |              | 1.00          | Jul |                   |       |                |       |             |       | 1.0000                  | 4.00  | 4.00   | 4.00          |
| Confirm 2F                    | oz            |                    |              |               |     |                   |       |                |       |             |       | 8.0000                  | 1.86  | 14.88  | 14.88         |
| App by Air ( 2 gal)           | appl          |                    |              | 1.00          | Sep |                   |       |                |       |             |       | 1.0000                  | 4.00  | 4.00   | 4.00          |
| LA Polado                     | oz            |                    |              |               |     |                   |       |                |       |             |       | 8.0000                  | 0.16  | 1.28   | 1.28          |
| Crop Consultant               | acre          |                    |              | 1.00          | Sep |                   |       |                |       |             |       | 1.0000                  | 7.00  | 7.00   | 7.00          |
| TOTALS                        |               |                    |              |               |     | 34.10             | 37.13 | 5.98           | 7.10  | 1.79        | 18.61 |                         |       | 212.42 | 315.34        |
| INTEREST ON OPERATING CAPITAL |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |        | 6.33          |
| UNALLOCATED LABOR             |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |        | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |              |               |     |                   |       |                |       |             |       |                         |       |        | 321.67        |

Table 13.A Estimated costs per acre,  
 Second Stubble and older field operations,  
 Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| CUSTOM SPRAY             |      |         |          |         |           |
| App by Air ( 2 gal)      | appl | 4.00    | 3.0000   | 12.00   | _____     |
| FERTILIZERS              |      |         |          |         |           |
| LA Nitrogen              | lb   | 0.34    | 110.0000 | 37.40   | _____     |
| LA Phosphate             | lb   | 0.40    | 40.0000  | 16.00   | _____     |
| LA Potash                | lb   | 0.26    | 100.0000 | 26.00   | _____     |
| Sulfur                   | lb   | 0.34    | 24.0000  | 8.16    | _____     |
| HERBICIDES               |      |         |          |         |           |
| Sencor DF                | lb   | 9.00    | 0.7500   | 6.75    | _____     |
| Prowl 3.3 EC             | pt   | 6.07    | 3.6000   | 21.85   | _____     |
| LA Weedmaster            | qt   | 3.08    | 0.7500   | 2.31    | _____     |
| LA Asulox/Asulam         | gal  | 38.80   | 0.5000   | 19.40   | _____     |
| Treflan HFP              | pt   | 3.52    | 4.0000   | 14.08   | _____     |
| Atrazine 4L              | pt   | 1.50    | 4.0000   | 6.00    | _____     |
| INSECTICIDES             |      |         |          |         |           |
| Confirm 2F               | oz   | 1.86    | 16.0000  | 29.76   | _____     |
| GROWTH REGULATORS        |      |         |          |         |           |
| LA Polado                | oz   | 0.16    | 8.0000   | 1.28    | _____     |
| SERVICE FEE              |      |         |          |         |           |
| Crop Consultant          | acre | 7.00    | 1.0000   | 7.00    | _____     |
| ADJUVANTS                |      |         |          |         |           |
| Surfactant               | pt   | 1.63    | 3.2000   | 5.22    | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 1.6703   | 17.36   | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 11.3525  | 25.85   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 5.72    | 1.0000   | 5.72    | _____     |
| Tractors                 | acre | 5.65    | 1.0000   | 5.65    | _____     |
| INTEREST ON OP. CAP.     | acre | 6.26    | 1.0000   | 6.26    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 274.05  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 6.82    | 1.0000   | 6.82    | _____     |
| Tractors                 | acre | 34.17   | 1.0000   | 34.17   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 40.99   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 315.04  | _____     |

Table 13.B Estimated resource use and costs for field operations, per acre  
 Second Stubble and older field operations,  
 Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF TIMES |      |     | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       |        | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|------------|------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|--------|---------------|
|                               |               |                    | RATE       | OVER | MTH | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE | COST   |               |
|                               |               |                    |            |      |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |        |               |
| SC 5Row (Offbar)              | 18 ft         | MFWD 150           | 0.075      | 2.00 | Feb | 3.25              | 3.70  | 0.86           | 1.05  | 0.15        | 1.56  |                         |       |        | 10.42         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080      | 1.00 | Feb | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Fert 3Row Lq App           | 18 ft         | MFWD 150           | 0.130      | 1.00 | Mar | 2.82              | 3.20  | 0.36           | 0.55  | 0.13        | 1.35  |                         |       |        | 8.28          |
| LA Nitrogen                   | lb            |                    |            |      |     |                   |       |                |       |             |       | 110.0000                | 0.34  | 37.40  | 37.40         |
| SC 5Row (Offbar)              | 18 ft         | MFWD 150           | 0.075      | 2.00 | Mar | 3.25              | 3.70  | 0.86           | 1.05  | 0.15        | 1.56  |                         |       |        | 10.42         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080      | 1.00 | Mar | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Fert DrySlingApp           | 42 ft         | MFWD 150           | 0.059      | 1.00 | Mar | 1.31              | 1.48  | 0.23           | 0.32  | 0.05        | 0.62  |                         |       |        | 3.96          |
| LA Phosphate                  | lb            |                    |            |      |     |                   |       |                |       |             |       | 40.0000                 | 0.40  | 16.00  | 16.00         |
| LA Potash                     | lb            |                    |            |      |     |                   |       |                |       |             |       | 100.0000                | 0.26  | 26.00  | 26.00         |
| Sulfur                        | lb            |                    |            |      |     |                   |       |                |       |             |       | 24.0000                 | 0.34  | 8.16   | 8.16          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075      | 1.00 | Mar | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080      | 1.00 | Mar | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120      | 1.00 | Mar | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Sencor DF                     | lb            |                    |            |      |     |                   |       |                |       |             |       | 0.7500                  | 9.00  | 6.75   | 6.75          |
| Prowl 3,3 EC                  | pt            |                    |            |      |     |                   |       |                |       |             |       | 3.6000                  | 6.07  | 21.85  | 21.85         |
| LA Weedmaster                 | qt            |                    |            |      |     |                   |       |                |       |             |       | 0.7500                  | 3.08  | 2.31   | 2.31          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075      | 1.00 | Apr | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080      | 1.00 | Apr | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120      | 1.00 | Apr | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| LA Asulox/Asulam              | gal           |                    |            |      |     |                   |       |                |       |             |       | 0.5000                  | 38.80 | 19.40  | 19.40         |
| Surfactant                    | pt            |                    |            |      |     |                   |       |                |       |             |       | 1.6000                  | 1.63  | 2.61   | 2.61          |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075      | 1.00 | May | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080      | 1.00 | May | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       |        | 2.45          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120      | 1.00 | May | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Treflan HFP                   | pt            |                    |            |      |     |                   |       |                |       |             |       | 4.0000                  | 3.52  | 14.08  | 14.08         |
| SC 5Row (Hipper)              | 18 ft         | MFWD 150           | 0.075      | 1.00 | May | 1.63              | 1.85  | 0.43           | 0.52  | 0.07        | 0.78  |                         |       |        | 5.21          |
| SC Boom Sprayer               | 16 ft         | MFWD 150           | 0.120      | 1.00 | May | 2.60              | 2.96  | 0.26           | 0.28  | 0.12        | 1.25  |                         |       |        | 7.35          |
| Atrazine 4L                   | pt            |                    |            |      |     |                   |       |                |       |             |       | 4.0000                  | 1.50  | 6.00   | 6.00          |
| Surfactant                    | pt            |                    |            |      |     |                   |       |                |       |             |       | 1.6000                  | 1.63  | 2.61   | 2.61          |
| App by Air ( 2 gal)           | appl          |                    |            | 1.00 | Jun |                   |       |                |       |             |       | 1.0000                  | 4.00  | 4.00   | 4.00          |
| Confirm 2F                    | oz            |                    |            |      |     |                   |       |                |       |             |       | 8.0000                  | 1.86  | 14.88  | 14.88         |
| App by Air ( 2 gal)           | appl          |                    |            | 1.00 | Jul |                   |       |                |       |             |       | 1.0000                  | 4.00  | 4.00   | 4.00          |
| Confirm 2F                    | oz            |                    |            |      |     |                   |       |                |       |             |       | 8.0000                  | 1.86  | 14.88  | 14.88         |
| App by Air ( 2 gal)           | appl          |                    |            | 1.00 | Aug |                   |       |                |       |             |       | 1.0000                  | 4.00  | 4.00   | 4.00          |
| LA Polado                     | oz            |                    |            |      |     |                   |       |                |       |             |       | 8.0000                  | 0.16  | 1.28   | 1.28          |
| Crop Consultant               | acre          |                    |            | 1.00 | Sep |                   |       |                |       |             |       | 1.0000                  | 7.00  | 7.00   | 7.00          |
| TOTALS                        |               |                    |            |      |     | 31.50             | 34.17 | 5.72           | 6.82  | 1.67        | 17.36 |                         |       | 213.21 | 308.78        |
| INTEREST ON OPERATING CAPITAL |               |                    |            |      |     |                   |       |                |       |             |       |                         |       |        | 6.26          |
| UNALLOCATED LABOR             |               |                    |            |      |     |                   |       |                |       |             |       |                         |       |        | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |            |      |     |                   |       |                |       |             |       |                         |       |        | 315.04        |

Table 14.A Estimated costs per acre,  
Harvest-1R Combine Harvester, 10-Ton High Dump wagons,  
Custom truck/trailer haul, Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| LA OPERATOR LABOR        |      |         |          |         |           |
| Self-Propelled           | hour | 15.30   | 0.7700   | 11.78   | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 2.0600   | 21.38   | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 15.5962  | 35.56   | _____     |
| Self-Propelled           | gal  | 2.28    | 8.4000   | 19.15   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 16.12   | 1.0000   | 16.12   | _____     |
| Tractors                 | acre | 8.19    | 1.0000   | 8.19    | _____     |
| Self-Propelled           | acre | 27.07   | 1.0000   | 27.07   | _____     |
| INTEREST ON OP. CAP.     | acre | 6.06    | 1.0000   | 6.06    | _____     |
| TOTAL DIRECT EXPENSES    |      |         |          | 145.31  | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 12.34   | 1.0000   | 12.34   | _____     |
| Tractors                 | acre | 49.35   | 1.0000   | 49.35   | _____     |
| Self-Propelled           | acre | 32.47   | 1.0000   | 32.47   | _____     |
| TOTAL FIXED EXPENSES     |      |         |          | 94.16   | _____     |
| TOTAL SPECIFIED EXPENSES |      |         |          | 239.47  | _____     |

Table 14.B Estimated resource use and costs for field operations, per acre  
Harvest-1R Combine Harvester, 10-Ton High Dump wagons,  
Custom truck/trailer haul, Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF TIMES |      |     | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|------------|------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|---------------|
|                               |               |                    | RATE       | OVER | MTH | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE |               |
|                               |               |                    |            |      |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |               |
| SC Billet Harvester           | 6 ft          |                    | 0.700      | 1.00 | Nov | 46.22             | 32.47 | 5.33           | 4.07  | 0.77        | 11.78 |                         |       | 90.47         |
| SC Cane Wgn Billt HD          | 10Ton         | MFWD 150           | 0.600      | 1.00 | Nov | 14.32             | 16.26 | 5.33           | 4.07  | 0.66        | 6.85  |                         |       | 46.83         |
| SC Cane Wgn Billt HD          | 10Ton         | MFWD 150           | 0.600      | 1.00 | Nov | 14.32             | 16.26 | 5.33           | 4.07  | 0.66        | 6.85  |                         |       | 46.83         |
| SC Cane Wgn Billt HD          | 10Ton         | MFWD 150           | 0.600      | 1.00 | Nov | 14.32             | 16.26 | 5.33           | 4.07  | 0.66        | 6.85  |                         |       | 46.83         |
| SC Drain Cleaner              | 6 ft          | MFWD 75            | 0.080      | 1.00 | Nov | 0.79              | 0.57  | 0.13           | 0.13  | 0.08        | 0.83  |                         |       | 2.45          |
| TOTALS                        |               |                    |            |      |     | 89.97             | 81.82 | 16.12          | 12.34 | 2.83        | 33.16 |                         | 0.00  | 233.41        |
| INTEREST ON OPERATING CAPITAL |               |                    |            |      |     |                   |       |                |       |             |       |                         |       | 6.06          |
| UNALLOCATED LABOR             |               |                    |            |      |     |                   |       |                |       |             |       |                         |       | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |            |      |     |                   |       |                |       |             |       |                         |       | 239.47        |

Table 15.A Estimated costs per acre,  
Harvest-2-row Wholestalk, 10-ton transfer wagons,  
Custom truck/trailer haul, Sugarcane, Louisiana, 2018.

| ITEM                     | UNIT | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--------------------------|------|---------|----------|---------|-----------|
|                          |      | dollars |          | dollars |           |
| DIRECT EXPENSES          |      |         |          |         |           |
| LA OPERATOR LABOR        |      |         |          |         |           |
| Self-Propelled           | hour | 15.30   | 0.4268   | 6.53    | _____     |
| LA Hired Labor           |      |         |          |         |           |
| Tractors                 | hour | 10.38   | 1.2499   | 12.98   | _____     |
| Self-Propelled           | hour | 10.38   | 0.6053   | 6.28    | _____     |
| DIESEL FUEL              |      |         |          |         |           |
| Tractors                 | gal  | 2.28    | 9.0717   | 20.68   | _____     |
| Self-Propelled           | gal  | 2.28    | 6.3811   | 14.55   | _____     |
| REPAIR & MAINTENANCE     |      |         |          |         |           |
| Implements               | acre | 1.51    | 1.0000   | 1.51    | _____     |
| Tractors                 | acre | 4.75    | 1.0000   | 4.75    | _____     |
| Self-Propelled           | acre | 28.47   | 1.0000   | 28.47   | _____     |
| INTEREST ON OP. CAP.     | acre | 4.17    | 1.0000   | 4.17    | _____     |
|                          |      |         |          | -----   |           |
| TOTAL DIRECT EXPENSES    |      |         |          | 99.92   | _____     |
| FIXED EXPENSES           |      |         |          |         |           |
| Implements               | acre | 2.14    | 1.0000   | 2.14    | _____     |
| Tractors                 | acre | 28.58   | 1.0000   | 28.58   | _____     |
| Self-Propelled           | acre | 41.24   | 1.0000   | 41.24   | _____     |
|                          |      |         |          | -----   |           |
| TOTAL FIXED EXPENSES     |      |         |          | 71.96   | _____     |
|                          |      |         |          | -----   |           |
| TOTAL SPECIFIED EXPENSES |      |         |          | 171.88  | _____     |

Table 15.B Estimated resource use and costs for field operations, per acre  
Harvest-2R Wholestalk, 10-ton transfer wagons,  
Custom truck/trailer haul, Sugarcane, Louisiana, 2018.

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | POWER UNIT<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | POWER UNIT COST   |       | EQUIPMENT COST |       | ALLOC LABOR |       | OPERATING/DURABLE INPUT |       | TOTAL<br>COST |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|-------------|-------|-------------------------|-------|---------------|
|                               |               |                    |              |               |     | DIRECT            | FIXED | DIRECT         | FIXED | HOURS       | COST  | AMOUNT                  | PRICE |               |
|                               |               |                    |              |               |     | -----dollars----- |       |                |       | dollars     |       | -----dollars-----       |       |               |
| SC Harvester 2Rw              | 12 ft         |                    | 0.388        | 1.00          | Nov | 24.06             | 21.70 |                |       | 0.42        | 6.53  |                         |       | 52.29         |
| SC Burning Unit               | 18 ft         | MFWD 75            | 0.149        | 1.00          | Nov | 1.57              | 1.48  | 0.25           | 0.42  | 0.14        | 1.56  |                         |       | 5.28          |
| SC Loader 2Rw                 | 12 ft         |                    | 0.300        | 1.00          | Nov | 12.53             | 12.88 |                |       | 0.33        | 3.43  |                         |       | 28.84         |
| SC Cane Wagon 10T             | 10 Ton        | MFWD 150           | 0.500        | 1.00          | Nov | 11.93             | 13.55 | 0.63           | 0.86  | 0.55        | 5.71  |                         |       | 32.68         |
| SC Cane Wagon 10T             | 10 Ton        | MFWD 150           | 0.500        | 1.00          | Nov | 11.93             | 13.55 | 0.63           | 0.86  | 0.55        | 5.71  |                         |       | 32.68         |
| SC Transloader                |               |                    | 0.250        | 1.00          | Nov | 6.43              | 6.66  |                |       | 0.27        | 2.85  |                         |       | 15.94         |
| TOTALS                        |               |                    |              |               |     | 68.45             | 69.82 | 1.51           | 2.14  | 2.28        | 25.79 |                         | 0.00  | 167.71        |
| INTEREST ON OPERATING CAPITAL |               |                    |              |               |     |                   |       |                |       |             |       |                         |       | 4.17          |
| UNALLOCATED LABOR             |               |                    |              |               |     |                   |       |                |       |             |       |                         |       | 0.00          |
| TOTAL SPECIFIED COST          |               |                    |              |               |     |                   |       |                |       |             |       |                         |       | 171.88        |

Appendix Table 1. Estimated fuel prices, labor wage rates, and interest rates, Louisiana 2018.

| ITEM NAME         | UNIT | PRICE |
|-------------------|------|-------|
| dollars           |      |       |
| FUEL TYPES        |      |       |
| Diesel Fuel       | gal  | 2.28  |
| LABOR TYPES       |      |       |
| Operator          | hour | 15.30 |
| Hired             | hour | 10.38 |
| Special           | acre | 25.00 |
| INTEREST RATES    |      |       |
| Short-term        | %    | 4.75  |
| Intermediate-term | %    | 5.00  |

Appendix Table 2. Tractors: estimated useful life, annual use, purchase price, repair cost, fuel consumption rate, and direct and fixed cost per hour, Louisiana 2018.

| Item Name              | Size      | Purchase Price | Annual Use | Useful Life | Fuel Use | Labor           | Fuel  | R&M   | Total Direct | Fixed | Total Cost |
|------------------------|-----------|----------------|------------|-------------|----------|-----------------|-------|-------|--------------|-------|------------|
|                        |           | dollars        | hours      | years       | gal/hr   | -----\$/hr----- |       |       |              |       |            |
| Tractor ( 40-59hp) Cab | 2WD 50    | 32,300         | 600        | 8           | 2.57     | 10.38           | 5.86  | 1.00  | 17.25        | 6.07  | 23.33      |
| Tractor ( 40-59hp) Cab | MFWD 50   | 39,500         | 600        | 8           | 2.57     | 10.38           | 5.86  | 1.23  | 17.48        | 7.42  | 24.91      |
| Tractor ( 40-59hp) RB  | 2WD 50    | 21,100         | 600        | 8           | 2.57     | 10.38           | 5.86  | 0.65  | 16.90        | 3.96  | 20.87      |
| Tractor ( 40-59hp) RB  | MFWD 50   | 24,800         | 600        | 8           | 2.57     | 10.38           | 5.86  | 0.77  | 17.02        | 4.66  | 21.68      |
| Tractor ( 60-89hp) CAB | 2WD 75    | 49,300         | 600        | 8           | 3.86     | 10.38           | 8.80  | 1.54  | 20.72        | 9.27  | 29.99      |
| Tractor ( 60-89hp) CAB | MFWD 75   | 52,500         | 600        | 8           | 3.86     | 10.38           | 8.80  | 1.64  | 20.82        | 9.87  | 30.69      |
| Tractor ( 60-89hp) RB  | 2WD 75    | 33,100         | 600        | 8           | 3.86     | 10.38           | 8.80  | 1.03  | 20.21        | 6.22  | 26.44      |
| Tractor ( 60-89hp) RB  | MFWD 75   | 37,800         | 600        | 8           | 3.86     | 10.38           | 8.80  | 1.18  | 20.36        | 7.10  | 27.47      |
| Tractor ( 90-119hp) CB | 2WD 105   | 60,300         | 600        | 8           | 5.40     | 10.38           | 12.32 | 1.88  | 24.58        | 11.33 | 35.92      |
| Tractor ( 90-119hp) CB | MFWD 105  | 76,100         | 600        | 8           | 5.40     | 10.38           | 12.32 | 2.37  | 25.08        | 14.31 | 39.39      |
| Tractor ( 90-119hp) RB | 2WD 105   | 60,300         | 600        | 8           | 5.40     | 10.38           | 12.32 | 1.88  | 24.58        | 11.33 | 35.92      |
| Tractor ( 90-119hp) RB | MFWD 105  | 67,800         | 600        | 8           | 5.40     | 10.38           | 12.32 | 2.11  | 24.82        | 12.75 | 37.57      |
| Tractor (120-139hp) CB | 2WD 130   | 103,000        | 600        | 8           | 6.69     | 10.38           | 15.25 | 3.21  | 28.85        | 19.36 | 48.22      |
| Tractor (120-139hp) CB | MFWD 130  | 113,000        | 600        | 8           | 6.69     | 10.38           | 15.25 | 3.53  | 29.16        | 21.25 | 50.41      |
| Tractor (140-159hp) CB | 2WD 150   | 108,000        | 600        | 8           | 7.72     | 10.38           | 17.60 | 3.37  | 31.35        | 20.30 | 51.66      |
| Tractor (140-159hp) CB | MFWD 150  | 131,000        | 600        | 8           | 7.72     | 10.38           | 17.60 | 4.09  | 32.07        | 24.63 | 56.71      |
| Tractor (160-179hp) CB | 2WD 170   | 156,000        | 600        | 8           | 8.75     | 10.38           | 19.95 | 4.87  | 35.20        | 30.69 | 65.90      |
| Tractor (160-179hp) CB | MFWD 170  | 153,000        | 600        | 8           | 8.75     | 10.38           | 19.95 | 4.78  | 35.11        | 30.10 | 65.21      |
| Tractor (160-199hp) CB | Track 180 | 142,710        | 600        | 8           | 9.26     | 10.38           | 21.12 | 4.45  | 35.96        | 28.08 | 64.04      |
| Tractor (180-199hp) CB | 2WD 190   | 143,000        | 600        | 8           | 9.77     | 10.38           | 22.29 | 4.46  | 37.14        | 28.13 | 65.28      |
| Tractor (180-199hp) CB | MFWD 190  | 173,000        | 600        | 8           | 9.77     | 10.38           | 22.29 | 5.40  | 38.08        | 34.04 | 72.12      |
| Tractor (200-249hp) CB | 4WD 225   | 147,066        | 600        | 8           | 11.58    | 10.38           | 26.40 | 4.59  | 41.38        | 28.93 | 70.32      |
| Tractor (200-249hp) CB | MFWD 225  | 210,000        | 600        | 8           | 11.58    | 10.38           | 26.40 | 6.56  | 43.34        | 41.32 | 84.67      |
| Tractor (200-249hp) CB | Track 225 | 277,000        | 600        | 8           | 11.58    | 10.38           | 26.40 | 8.65  | 45.44        | 54.50 | 99.95      |
| Tractor (250-349hp) CB | 4WD 300   | 285,000        | 600        | 8           | 15.44    | 10.38           | 35.20 | 8.90  | 54.49        | 56.08 | 110.57     |
| Tractor (250-349hp) CB | Track 300 | 318,000        | 600        | 8           | 15.44    | 10.38           | 35.20 | 9.93  | 55.52        | 62.57 | 118.10     |
| Tractor (350-449hp) CB | 4WD 400   | 331,000        | 600        | 8           | 20.58    | 10.38           | 46.94 | 10.34 | 67.66        | 65.13 | 132.80     |
| Tractor (350-449hp) CB | Track 400 | 341,000        | 600        | 8           | 20.58    | 10.38           | 46.94 | 10.65 | 67.97        | 67.10 | 135.08     |

**Appendix Table 3. Self-propelled machines: estimated performance rate, useful life, annual use, purchase price, repair cost, fuel consumption rate, and direct and fixed cost per hour and per acre, Louisiana 2018.**

| Item Name             | Size    | Purchase Price | Annual Use | Useful Life | Fuel Use | Perf Rate | Labor             | Fuel  | R&M   | Total Direct | Fixed | Total Cost |
|-----------------------|---------|----------------|------------|-------------|----------|-----------|-------------------|-------|-------|--------------|-------|------------|
|                       |         | dollars        | hours      | years       | gal/hr   | hr/ac     | -----\$/acre----- |       |       |              |       |            |
| LA Pickup Truck       | 1/2 ton | 25,000         | 800        | 5           | 2.50     | 1.000     | 10.38             | 5.25  | 2.81  | 18.44        | 6.65  | 25.09      |
| SC Billet Harvester   | 6 ft    | 290,000        | 750        | 10          | 12.00    | 0.700     | 11.78             | 19.15 | 27.06 | 57.99        | 32.47 | 90.46      |
| SC Harvester 1Rw      | 6 ft    | 115,000        | 400        | 12          | 6.80     | 0.875     | 14.72             | 13.56 | 20.96 | 49.25        | 26.80 | 76.05      |
| SC Harvester 2Rw      | 12 ft   | 210,000        | 400        | 12          | 8.00     | 0.388     | 6.53              | 7.07  | 16.97 | 30.58        | 21.70 | 52.28      |
| SC Loader 1Rw         | 6 ft    | 85,000         | 425        | 10          | 5.10     | 0.598     | 6.83              | 6.96  | 8.74  | 22.54        | 14.55 | 37.09      |
| SC Loader 2Rw         | 12 ft   | 150,000        | 425        | 10          | 7.00     | 0.300     | 3.42              | 4.79  | 7.73  | 15.95        | 12.88 | 28.84      |
| SC Transloader        |         | 30,000         | 120        | 12          | 4.70     | 0.250     | 2.85              | 2.67  | 3.75  | 9.28         | 6.65  | 15.94      |
| SC Truck&Trailer      | 30 Ton  | 45,000         | 400        | 10          | 7.00     | 1.000     | 11.41             | 15.96 | 7.87  | 35.25        | 13.67 | 48.92      |
| Sprayer( 300-450Gal)  | 47'     | 0              | 350        | 8           | 5.40     | 0.022     | 0.40              | 0.27  | 0.00  | 0.68         | 0.00  | 0.68       |
| Sprayer( 300-450Gal)  | 60'     | 103,000        | 350        | 8           | 5.66     | 0.017     | 0.31              | 0.22  | 0.09  | 0.64         | 0.63  | 1.28       |
| Sprayer( 300-450Gal)  | 80'     | 103,000        | 350        | 8           | 5.66     | 0.013     | 0.23              | 0.17  | 0.07  | 0.48         | 0.47  | 0.96       |
| Sprayer( 600-750Gal)  | 60'     | 193,000        | 350        | 8           | 10.29    | 0.017     | 0.31              | 0.41  | 0.18  | 0.91         | 1.19  | 2.11       |
| Sprayer( 600-825Gal)  | 80'     | 202,000        | 350        | 8           | 10.29    | 0.013     | 0.23              | 0.31  | 0.14  | 0.69         | 0.94  | 1.63       |
| Sprayer( 600-825Gal)  | 90'     | 279,000        | 350        | 8           | 10.29    | 0.011     | 0.21              | 0.27  | 0.17  | 0.66         | 1.15  | 1.81       |
| Sprayer(1000-1400Gal) | 90'     | 310,000        | 350        | 8           | 14.15    | 0.014     | 0.25              | 0.45  | 0.23  | 0.94         | 1.53  | 2.48       |
| Sprayer(1200PlusGal)  | 120'    | 334,000        | 350        | 8           | 15.44    | 0.008     | 0.15              | 0.31  | 0.15  | 0.62         | 1.03  | 1.66       |

**Appendix Table 4. Implements: estimated performance rate, useful life, annual use, purchase price, repair cost, and direct and fixed cost per hour and per acre, Louisiana 2018.**

| Item Name            | Size      | Power Unit | Purchase Price | Annual Use | Useful Life | Perf Rate | Labor             | Fuel  | ---R&M--- | Total  | --Fixed--- | Total Cost |       |       |
|----------------------|-----------|------------|----------------|------------|-------------|-----------|-------------------|-------|-----------|--------|------------|------------|-------|-------|
|                      |           |            | dollars        | hours      | years       | hr/ac     | -----\$/acre----- |       |           |        |            |            |       |       |
|                      |           |            |                |            |             |           |                   |       | Imp. P.U. | Direct | Imp. P.U.  |            |       |       |
| SC 3Row (Cover)      | 18 ft     | MFWD 150   | 10,750         | 200        | 9           | 0.120     | 1.25              | 2.12  | 1.43      | 0.49   | 5.30       | 0.44       | 2.96  | 8.71  |
| SC 3Row (Hipper)     | 18 ft     | MFWD 150   | 10,500         | 200        | 9           | 0.120     | 1.24              | 2.11  | 0.68      | 0.49   | 4.53       | 0.82       | 2.95  | 8.32  |
| SC 3Row (Marker)     | 18 ft     | MFWD 150   | 8,800          | 200        | 9           | 0.120     | 1.24              | 2.11  | 0.58      | 0.49   | 4.43       | 0.69       | 2.95  | 8.09  |
| SC 3Row (Offbar)     | 18 ft     | MFWD 150   | 11,500         | 200        | 10          | 0.120     | 1.24              | 2.11  | 0.69      | 0.49   | 4.54       | 0.83       | 2.95  | 8.33  |
| SC 3Row (Opener)     | 18 ft     | MFWD 150   | 7,800          | 200        | 10          | 0.120     | 1.24              | 2.11  | 0.46      | 0.49   | 4.31       | 0.56       | 2.95  | 7.84  |
| SC 3Row Plow         | 18 ft     | MFWD 190   | 17,000         | 200        | 9           | 0.120     | 1.24              | 2.67  | 1.11      | 0.64   | 5.68       | 1.34       | 4.08  | 11.11 |
| SC 5Row (Cover)      | 18 ft     | MFWD 150   | 10,750         | 200        | 9           | 0.075     | 0.77              | 1.32  | 0.89      | 0.30   | 3.30       | 0.27       | 1.84  | 5.42  |
| SC 5Row (Hipper)     | 18 ft     | MFWD 150   | 10,500         | 200        | 9           | 0.075     | 0.77              | 1.32  | 0.42      | 0.30   | 2.83       | 0.51       | 1.84  | 5.20  |
| SC 5Row (Marker)     | 18 ft     | MFWD 150   | 8,800          | 200        | 9           | 0.075     | 0.77              | 1.32  | 0.36      | 0.30   | 2.77       | 0.43       | 1.84  | 5.05  |
| SC 5Row (Offbar)     | 18 ft     | MFWD 150   | 11,500         | 200        | 10          | 0.075     | 0.77              | 1.32  | 0.43      | 0.30   | 2.83       | 0.52       | 1.84  | 5.21  |
| SC 5Row (Opener)     | 18 ft     | MFWD 150   | 7,800          | 200        | 10          | 0.075     | 0.77              | 1.32  | 0.29      | 0.30   | 2.69       | 0.35       | 1.84  | 4.90  |
| SC 5Row (Plow)       | 18 ft     | MFWD 150   | 17,000         | 200        | 9           | 0.075     | 0.77              | 1.32  | 0.69      | 0.30   | 3.10       | 0.83       | 1.84  | 5.78  |
| SC Blade             | 8 ft      | MFWD 150   | 3,500          | 100        | 12          | 0.877     | 9.10              | 15.44 | 2.55      | 3.59   | 30.69      | 2.19       | 21.60 | 54.49 |
| SC Boom Sprayer      | 16 ft     | MFWD 150   | 2,900          | 150        | 10          | 0.120     | 1.24              | 2.11  | 0.25      | 0.49   | 4.10       | 0.28       | 2.95  | 7.34  |
| SC Burning Unit      | 18 ft     | 2WD 105    | 1,300          | 85         | 6           | 0.149     | 1.55              | 1.84  | 0.24      | 0.28   | 3.93       | 0.41       | 1.70  | 6.05  |
| SC Cane Planters Aid | 6 ft      | MFWD 150   | 4,500          | 20         | 20          | 1.000     | 10.38             | 17.60 | 8.43      | 4.09   | 40.51      | 17.37      | 24.63 | 82.52 |
| SC Cane Plt-1R Bille | 1 row     | MFWD 150   | 22,000         | 150        | 20          | 0.670     | 6.95              | 11.79 | 3.68      | 2.74   | 25.17      | 7.58       | 16.50 | 49.27 |
| SC Cane Plt-3R Bille | 3 row     | 2WD 50     | 34,000         | 50         | 20          | 0.200     | 2.07              | 1.17  | 5.10      | 0.13   | 8.48       | 10.50      | 0.79  | 19.77 |
| SC Cane Plt-Whlstalk | 6 ft      | MFWD 150   | 22,000         | 150        | 20          | 0.670     | 6.95              | 11.79 | 3.68      | 2.74   | 25.17      | 7.58       | 16.50 | 49.27 |
| SC Cane Wagon 10T    | 10 Ton    | MFWD 150   | 7,500          | 400        | 15          | 0.500     | 5.70              | 9.68  | 0.62      | 2.25   | 18.26      | 0.85       | 12.31 | 31.44 |
| SC Cane Wgn Billt HD | 10Ton     | MFWD 150   | 40,000         | 750        | 9           | 0.600     | 6.85              | 11.61 | 5.33      | 2.70   | 26.50      | 4.06       | 14.78 | 45.35 |
| SC Chisel Plow       | 13 ft     | MFWD 190   | 6,000          | 200        | 6           | 0.219     | 2.28              | 4.90  | 0.96      | 1.18   | 9.33       | 1.20       | 7.48  | 18.02 |
| SC Chisel Plow       | 23 ft     | MFWD 190   | 12,000         | 200        | 6           | 0.120     | 1.24              | 2.67  | 0.49      | 0.64   | 5.06       | 1.31       | 4.08  | 10.46 |
| SC Cultmulcher       | 12 ft     | 2WD 105    | 5,500          | 120        | 15          | 0.110     | 1.14              | 1.35  | 0.29      | 0.20   | 3.00       | 0.46       | 1.24  | 4.71  |
| SC Cultivate + Post  | 6 Row     | 2WD 170    | 8,200          | 200        | 10          | 0.110     | 1.14              | 2.19  | 0.39      | 0.53   | 4.26       | 0.54       | 3.37  | 8.19  |
| SC Cultivator        | 30" 6 Row | 2WD 150    | 5,350          | 200        | 10          | 0.140     | 1.45              | 2.46  | 0.32      | 0.47   | 4.72       | 0.45       | 2.84  | 8.02  |
| SC Disk              | 12 ft     | 2WD 50     | 8,500          | 200        | 10          | 0.149     | 1.55              | 0.87  | 0.56      | 0.09   | 3.09       | 0.77       | 0.59  | 4.46  |
| SC Disk              | 20 ft     | MFWD 190   | 17,500         | 200        | 10          | 0.100     | 1.03              | 2.22  | 0.77      | 0.54   | 4.57       | 1.06       | 3.40  | 9.04  |
| SC Disk              | 26 ft     | 2WD 170    | 21,000         | 200        | 10          | 0.069     | 0.72              | 1.39  | 0.64      | 0.34   | 3.11       | 0.89       | 2.14  | 6.15  |
| SC Disk + Pre        | 6 row     | 2WD 170    | 9,250          | 200        | 10          | 0.100     | 1.03              | 1.99  | 0.40      | 0.48   | 3.92       | 0.56       | 3.06  | 7.55  |
| SC Double Hitch      | DBLHTCH   | 2WD 50     | 0              | 1000       | 10          | 0.000     | 0.00              | 0.00  | 0.00      | 0.00   | 0.00       | 0.00       | 0.00  | 0.00  |
| SC Drain Cleaner     | 6 ft      | MFWD 75    | 3,750          | 300        | 9           | 0.080     | 0.83              | 0.70  | 0.13      | 0.09   | 1.76       | 0.13       | 0.56  | 2.46  |
| SC Fert 3Row Lq App  | 18 ft     | MFWD 150   | 7,000          | 200        | 10          | 0.130     | 1.34              | 2.28  | 0.36      | 0.53   | 4.53       | 0.55       | 3.20  | 8.29  |
| SC Fert DrySlingApp  | 42 ft     | MFWD 150   | 6,500          | 150        | 10          | 0.059     | 0.62              | 1.05  | 0.22      | 0.24   | 2.15       | 0.31       | 1.47  | 3.94  |
| SC Flat Roller       | 18 ft     | MFWD 150   | 1,400          | 75         | 9           | 0.190     | 1.97              | 3.34  | 0.47      | 0.77   | 6.57       | 0.46       | 4.68  | 11.72 |
| SC Hauling Hitch     | 6 ft      | 4WD 225    | 1,000          | 500        | 15          | 1.000     | 10.38             | 26.40 | 0.13      | 4.59   | 41.51      | 0.18       | 28.93 | 70.63 |
| SC Land Plane        | 15 ft     | MFWD 150   | 10,000         | 200        | 15          | 0.300     | 3.11              | 5.28  | 0.66      | 1.22   | 10.29      | 1.37       | 7.39  | 19.06 |
| SC Rotary Ditcher    | 6 ft      | MFWD 150   | 12,500         | 100        | 10          | 0.250     | 2.59              | 4.40  | 3.12      | 1.02   | 11.14      | 3.79       | 6.15  | 21.10 |
| SC Rotary Hoe        | 18 ft     | 2WD 130    | 4,500          | 75         | 12          | 0.080     | 0.83              | 1.22  | 0.41      | 0.25   | 2.72       | 0.50       | 1.54  | 4.77  |
| SC Rotary Mower      | 13.1 ft   | MFWD 75    | 7,000          | 150        | 10          | 0.250     | 2.59              | 2.20  | 0.51      | 0.29   | 5.60       | 1.41       | 1.77  | 8.79  |
| SC Rototiller        | 18 ft     | MFWD 190   | 20,000         | 150        | 10          | 0.219     | 2.28              | 4.90  | 3.51      | 1.18   | 11.88      | 3.56       | 7.48  | 22.93 |
| SC Tractor Blade     | 6 ft      | 2WD 105    | 3,500          | 100        | 15          | 1.000     | 10.38             | 12.32 | 0.86      | 1.88   | 25.45      | 3.20       | 11.33 | 39.99 |
| SC Tractor Spreader  | 20 ft     | 2WD 105    | 700            | 150        | 10          | 0.110     | 1.14              | 1.35  | 0.04      | 0.20   | 2.75       | 0.06       | 1.24  | 4.05  |
| SC Trailer Utility   | 10 ft     | 2WD 130    | 2,000          | 200        | 15          | 1.000     | 10.38             | 15.25 | 0.23      | 3.21   | 29.08      | 0.91       | 19.36 | 49.37 |
| SCMechanical Planter | 6 ft      | MFWD 150   | 15,500         | 160        | 10          | 1.000     | 10.38             | 17.60 | 7.26      | 4.09   | 39.34      | 11.77      | 24.63 | 75.75 |

Appendix Table 5. Operating Inputs: Estimated Prices for 2018.

| ITEM NAME                  | UNIT | PRICE |
|----------------------------|------|-------|
| dollars                    |      |       |
| <b>ADJUVANTS</b>           |      |       |
| Surfactant                 | pt   | 1.63  |
| <b>CUSTOM FERT/LIME</b>    |      |       |
| App Fert by Air            | cwt  | 7.00  |
| App Fert by Air (Min)      | appl | 7.00  |
| Custom Apply Fert          | acre | 7.00  |
| Custom Spread (Truc        | appl | 4.50  |
| Lime (Spread)              | ton  | 46.00 |
| <b>CUSTOM HARVEST/HAUL</b> |      |       |
| Custom Combine Rice        | acre | 0.00  |
| Haul Corn                  | bu   | 0.23  |
| Haul Cotton                | lb   | 0.02  |
| Haul Rice                  | bu   | 0.35  |
| Haul Rice (cwt)            | cwt  | 0.25  |
| Haul Sorghum               | bu   | 0.25  |
| Haul Soybeans              | bu   | 0.27  |
| Haul Wheat                 | bu   | 0.26  |
| LRice Haul                 | cwt  | 0.30  |
| <b>CUSTOM PLANT</b>        |      |       |
| Custom Spread + Seed       | appl | 0.00  |
| LRice Air Plant NE         | cwt  | 5.50  |
| LRice Air Plant SW         | cwt  | 5.60  |
| Plant by Air               | cwt  | 7.00  |
| <b>CUSTOM SPRAY</b>        |      |       |
| App 2,4-D Helicopter       | appl | 0.00  |
| App by Air ( 1 gal)        | appl | 2.50  |
| App by Air ( 2 gal)        | appl | 4.00  |
| App by Air ( 3 gal)        | appl | 5.00  |
| App by Air ( 5 gal)        | appl | 6.50  |
| App by Air (10 gal)        | appl | 9.00  |
| App Furadan by Air         | appl | 0.00  |
| App Ordram by Air          | appl | 0.00  |
| Custom Apply               | acre | 7.00  |
| Custom Terragator          | acre | 5.00  |
| LRice GPS Charge-SW        | acre | 0.35  |
| LRice GPS Charge_NE        | acre | 0.25  |
| Spray Levees, 4whlr        | acre | 0.00  |
| <b>FERTILIZERS</b>         |      |       |
| Amm Nitrate (34% N)        | cwt  | 22.50 |
| Amm Sulfate (21% N)        | cwt  | 13.43 |
| Anhy Ammonia (82% N)       | cwt  | 28.00 |
| Boron (Solubor)            | lb   | 0.75  |
| Crop Oil ( Seed Oil)       | pt   | 4.60  |
| DAP                        | cwt  | 21.52 |
| Fert 0-20-20               | cwt  | 0.00  |
| Fert 10-10-10              | cwt  | 0.00  |
| Fert 10-34-0               | cwt  | 22.25 |
| Fert 10-34-0               | gal  | 0.00  |
| Fert 13-13-13              | cwt  | 0.00  |
| Fert 41-0-0-4              | cwt  | 13.50 |
| Fert 5-20-20               | cwt  | 0.00  |
| LA Nitrogen                | lb   | 0.34  |
| LA Phosphate               | lb   | 0.40  |
| LA Potash                  | lb   | 0.26  |
| Phosphorus (46% P2O5)      | cwt  | 18.75 |
| Potash (60% K2O)           | cwt  | 18.98 |
| Sulfur                     | lb   | 0.34  |
| UAN (32% N)                | cwt  | 10.50 |
| UAN + Sulfur (28% N)       | cwt  | 11.75 |
| Urea, Solid (46% N)        | cwt  | 14.19 |
| Zinc                       | lb   | 0.50  |
| <b>FUNGICIDES</b>          |      |       |
| Apron Maxx RTA             | oz   | 0.84  |
| Apron XL                   | oz   | 6.98  |
| Apron XL LS                | oz   | 5.27  |
| Benlate 50 WP              | lb   | 15.95 |
| Captan 4L                  | pt   | 2.83  |
| Captan 50 WP               | lb   | 4.93  |
| Crop Oil (Petroleum)       | pt   | 2.74  |
| Cruiser 5FS                | oz   | 17.38 |
| Delta Coat AD              | oz   | 3.75  |
| Dithane F-45               | qt   | 7.81  |



Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2018.

| ITEM NAME            | UNIT | PRICE |
|----------------------|------|-------|
| FUNGICIDES CONT'D    |      |       |
| Dithane Rainsheild   | lb   | 4.15  |
| Fungicide            | lb   | 2.82  |
| Gem 25 WG            | oz   | 3.70  |
| Manzate 75 DF        | lb   | 4.86  |
| Manzate Flowable     | pt   | 4.60  |
| Moncut 70 DF         | lb   | 32.81 |
| Orbit                | oz   | 2.75  |
| Prevail              | lb   | 28.50 |
| Quadris              | oz   | 1.56  |
| Ridomil GoldPC 10G   | lb   | 2.08  |
| Ridomil Gold PC      | lb   | 5.30  |
| Ridomil Gold PC Liq  | oz   | 6.42  |
| Rovral 4F            | pt   | 14.90 |
| Rovral WG            | lb   | 0.00  |
| Shelter              | oz   | 8.50  |
| Stiletto             | oz   | 0.58  |
| Stratego             | pt   | 25.00 |
| Terrachlor Flowable  | pt   | 4.74  |
| Terraclor 2EC        | pt   | 1.87  |
| Terraclor Super X EC | pt   | 3.95  |
| Terraclor Super X G  | lb   | 2.82  |
| Tilt 3.6 EC          | oz   | 0.75  |
| Vitavax 200          | oz   | 0.47  |
| Vitavax M Flowable   | oz   | 1.06  |
| Vitavax RTU-Thiram   | oz   | 0.40  |
| Vitavax T-L          | oz   | 0.29  |
| GIN/DRY              |      |       |
| Dry Corn             | bu   | 0.19  |
| Dry Grain Sorghum    | cwt  | 0.25  |
| Dry Rice             | bu   | 0.40  |
| Dry Rice (cwt)       | cwt  | 0.90  |
| Gin                  | lb   | 0.11  |
| LARice Dry           | cwt  | 0.90  |
| GROWTH REGULATORS    |      |       |
| Early Harvest PGR    | oz   | 1.55  |
| LA Polado            | oz   | 0.16  |
| Mepex                | oz   | 0.08  |
| PGR IV               | oz   | 1.55  |
| Pix Plus             | oz   | 0.40  |
| Pix Ultra            | oz   | 0.39  |
| HARVEST AIDS         |      |       |
| Accelerate           | pt   | 2.59  |
| Ammonium Sulfate     | lb   | 0.24  |
| Boll'd               | pt   | 7.01  |
| CottonQuik           | pt   | 6.06  |
| Def 6                | pt   | 6.88  |
| Def/Folex            | pt   | 7.55  |
| Dropp 50 WP          | lb   | 45.45 |
| Dropp SC             | oz   | 1.09  |
| Ethephon 6E          | pt   | 2.88  |
| Finish 6             | pt   | 9.61  |
| Folex 6EC            | pt   | 10.54 |
| Ginstar EC           | pt   | 26.44 |
| Gramoxone Extra      | pt   | 4.86  |
| Gramoxone Max        | pt   | 4.06  |
| Harvade 5F           | oz   | 0.67  |
| Leafless             | pt   | 18.56 |
| Prep                 | pt   | 2.75  |
| Sodium Chlorate 3L   | gal  | 3.50  |
| Sodium Chlorate 6L   | gal  | 5.57  |
| Starfire             | pt   | 0.00  |
| HERBICIDES           |      |       |
| 2,4-D Amine 4        | pt   | 1.85  |
| 2,4-D Ester          | pt   | 3.00  |
| AAtrex 4L            | pt   | 2.12  |
| AAtrex NINE-O        | lb   | 3.96  |
| Accent Gold          | oz   | 6.12  |
| Accent SP            | oz   | 36.25 |
| Aim 2EC              | oz   | 5.16  |
| Aim DF               | oz   | 9.65  |

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2018.

| ITEM NAME             | UNIT | PRICE |
|-----------------------|------|-------|
| HERBICIDES CONT'D     |      |       |
| Arrosolo              | qt   | 7.88  |
| Assure II             | oz   | 0.74  |
| Atrazine 4L           | pt   | 1.50  |
| Atrazine 90DF         | lb   | 3.60  |
| Authority 75DF        | lb   | 26.95 |
| Axiom 68DF            | lb   | 25.74 |
| Backdraft             | pt   | 2.40  |
| Banvel                | pt   | 15.02 |
| Basagran              | pt   | 12.31 |
| Basis Gold            | lb   | 9.00  |
| Beacon 75% WSP        | oz   | 34.87 |
| Beyond                | oz   | 4.48  |
| Bicep II Magnum       | qt   | 11.01 |
| Bicep II zmsgnum      | qt   | 10.97 |
| Bladex 4L             | qt   | 0.00  |
| Bladex 90DF           | lb   | 0.00  |
| Blazer 2L             | pt   | 0.00  |
| Blazer Ultra          | pt   | 9.79  |
| Boa                   | pt   | 3.63  |
| Bolero 8EC            | pt   | 7.73  |
| Boundary              | pt   | 11.20 |
| Buctril 4EC           | pt   | 17.06 |
| Butoxone 175 (2,4-DB) | pt   | 3.24  |
| Butoxone 200 (2,4-DB) | pt   | 3.92  |
| Butyrac 175 (2,4-DB)  | pt   | 3.29  |
| Butyrac 200 (2,4-DB)  | pt   | 4.34  |
| Canopy 75%            | oz   | 2.74  |
| Canopy XL             | oz   | 2.23  |
| Caparol 4L            | pt   | 4.60  |
| Caparol Accu-Pak      | lb   | 0.00  |
| Celebrity Plus        | lb   | 84.50 |
| Clarity               | pt   | 11.55 |
| Classic               | oz   | 17.18 |
| Clincher EC           | oz   | 2.30  |
| Cobra 2EC             | oz   | 1.72  |
| Command 3ME           | pt   | 18.50 |
| Command XTRA          | pt   | 0.00  |
| Conclude Ultra        | pt   | 0.00  |
| Conclude Ultra        | pt   | 0.00  |
| Conclude XACT         | pt   | 11.32 |
| Conclude XTRA         | pt   | 8.32  |
| Cornerstone           | pt   | 2.50  |
| Cotoran 4L            | pt   | 6.42  |
| Cotoran DF            | lb   | 7.92  |
| Cotton Pro Flowable   | pt   | 3.52  |
| Crossbow              | pt   | 8.05  |
| Cy-Pro 4L             | qt   | 0.00  |
| Cypro 90DF            | lb   | 0.00  |
| Delta Goal            | pt   | 9.44  |
| Denim 0.16 EC         | pt   | 24.06 |
| Detail                | pt   | 7.99  |
| Direx 4L              | pt   | 3.99  |
| Direx 80 DF           | lb   | 6.20  |
| Diuron 4L             | pt   | 3.90  |
| Diuron 80 DF          | lb   | 5.09  |
| Domain 60DF           | lb   | 12.75 |
| DSMA 4                | pt   | 0.90  |
| Dual 8E               | pt   | 0.00  |
| Dual II Magnum        | pt   | 14.50 |
| Dual Magnum           | pt   | 13.80 |
| Duet                  | pt   | 5.35  |
| Evik DF 80W           | lb   | 11.22 |
| Exceed                | oz   | 10.71 |
| Exceed Custom Pak     | oz   | 11.50 |
| Expert                | pt   | 4.39  |
| Facet 75DF            | lb   | 50.00 |
| First Rate            | oz   | 41.21 |
| Flexstar HL           | pt   | 4.50  |
| FloMet 4L             | pt   | 4.74  |
| Freedom               | qt   | 2.51  |
| Front Row             | oz   | 21.92 |
| Frontier 6.0          | oz   | 0.63  |

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2018.

| ITEM NAME            | UNIT | PRICE |
|----------------------|------|-------|
| HERBICIDES CONT'D    |      |       |
| Fultime              | pt   | 6.29  |
| Fusilade DX          | oz   | 1.00  |
| Fusion               | pt   | 29.86 |
| Glyfos               | pt   | 1.80  |
| Glyphomax            | pt   | 3.49  |
| Glyphosate Plus 4L   | pt   | 1.75  |
| Glystar Plus         | pt   | 2.17  |
| Goal 2XL             | pt   | 9.89  |
| Gramoxone Extra      | pt   | 0.00  |
| Gramoxone Max        | pt   | 5.46  |
| Gramoxone Max        | pt   | 5.46  |
| Grandstand R         | qt   | 17.15 |
| Guardsman            | pt   | 4.66  |
| Guardsman Max        | pt   | 7.22  |
| Harmony Extra        | oz   | 12.00 |
| Hoelon 3EC           | pt   | 11.03 |
| Karmex DF            | lb   | 5.93  |
| LA Asulox/Asulam     | gal  | 38.80 |
| LA Weedmaster        | qt   | 3.08  |
| Lariat               | qt   | 7.58  |
| Lasso 4EC            | qt   | 6.60  |
| Lasso II 15G         | lb   | 0.00  |
| Layby Pro            | qt   | 6.30  |
| Lexone 75DF          | lb   | 18.90 |
| Liberty              | pt   | 8.84  |
| Lightning            | oz   | 14.25 |
| Lightning            | oz   | 14.25 |
| Linex 4L             | pt   | 9.28  |
| Londax 60DF          | oz   | 18.08 |
| Lorox 50DF           | lb   | 24.12 |
| Matador              | pt   | 0.00  |
| MSMA 6.6             | pt   | 2.90  |
| MSMA6 + Surfactant   | pt   | 3.63  |
| Newpath 2SL          | oz   | 3.83  |
| Ordram 15-G          | lb   | 1.34  |
| Ordram 8-E           | pt   | 9.42  |
| Outlook              | pt   | 17.47 |
| Pendimax 3.3         | pt   | 2.47  |
| Permit 75DF          | oz   | 18.50 |
| Poast 1.53           | pt   | 12.77 |
| Poast Plus           | pt   | 9.69  |
| Propanil 4E          | qt   | 5.15  |
| Prowl 3.3 EC         | pt   | 6.07  |
| Pursuit DG           | oz   | 11.59 |
| Pursuit Plus EC      | pt   | 7.10  |
| Python WDG           | oz   | 15.58 |
| Raptor               | oz   | 4.38  |
| Reflex 2LC           | pt   | 6.52  |
| Regiment 80WP        | oz   | 4.38  |
| Remedy               | pt   | 8.45  |
| Resource .86EC       | pt   | 29.40 |
| Ricestar             | pt   | 24.35 |
| Roundup Original     | pt   | 6.00  |
| Roundup Original Max | oz   | 0.38  |
| Roundup Power Max    | pt   | 2.50  |
| Roundup Ultra MAX    | pt   | 5.97  |
| Roundup Ultra Dry    | lb   | 6.14  |
| Roundup WeatherMax   | oz   | 0.26  |
| Scepter 70 DG        | oz   | 4.48  |
| Select 2EC           | oz   | 0.66  |
| Sencor 4F            | pt   | 14.74 |
| Sencor DF            | lb   | 9.00  |
| Squadron CE          | pt   | 12.50 |
| Stam 4E              | qt   | 5.12  |
| Stam 80 EDF          | lb   | 9.61  |
| Staple 85%           | oz   | 16.01 |
| Staple Plus          | oz   | 8.55  |
| Steadfast            | oz   | 12.26 |
| Steel                | pt   | 10.28 |
| Storm                | pt   | 12.75 |
| Strongarm            | oz   | 56.42 |
| Superwham            | qt   | 9.18  |
| Suprend              | lb   | 13.49 |

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2018.

| ITEM NAME          | UNIT | PRICE |
|--------------------|------|-------|
| Surpass 20G        | lb   | 2.36  |
| Surpass EC         | qt   | 26.36 |
| Touchdown          | qt   | 9.32  |
| Touchdown 4 IQ     | pt   | 3.33  |
| Touchdown Total    | qt   | 5.16  |
| Treflan HFP        | pt   | 3.52  |
| Treflan TR-10      | lb   | 1.10  |
| Tri-Scept          | pt   | 5.24  |
| Trifluralin 4EC    | pt   | 3.52  |
| Trilin 10G         | lb   | 0.79  |
| Trilin 4EC         | pt   | 2.12  |
| Typhoon            | qt   | 13.06 |
| Valor WP           | oz   | 6.38  |
| Whip 360           | pt   | 25.08 |
| Zorial Rapid 80DF  | lb   | 14.10 |
| INSECTICIDES       |      |       |
| Acephate 80SP      | lb   | 0.00  |
| Acephate 90SP      | lb   | 7.43  |
| Admire 2 Flowable  | oz   | 4.78  |
| Ammo 2.5 EC        | oz   | 0.92  |
| Asana .66 XL       | oz   | 0.58  |
| Aztec 2.1% G       | lb   | 3.88  |
| Baythroid 2        | oz   | 2.30  |
| Bidrin 8L          | oz   | 0.90  |
| Capture 2EC        | oz   | 2.28  |
| Carbamate          | oz   | 0.00  |
| Centric 40WG       | oz   | 5.38  |
| Comite             | pt   | 8.45  |
| Condor XL          | pt   | 0.00  |
| Confirm 2F         | oz   | 1.86  |
| Counter 15G        | lb   | 4.51  |
| Counter CR         | lb   | 2.65  |
| Curacron 8E        | pt   | 10.75 |
| Decis 1.5EC        | oz   | 2.84  |
| Declare            | pt   | 4.08  |
| Denim 0.16EC       | pt   | 32.63 |
| Di-Syston 15G      | lb   | 3.48  |
| Di-Syston 8        | pt   | 14.32 |
| Dimethoate 4E      | pt   | 5.31  |
| Dimilin 2L         | oz   | 1.45  |
| Dipel DF           | lb   | 13.13 |
| Dipel ES           | pt   | 4.89  |
| Force 3G           | lb   | 6.03  |
| Furadan 3G         | lb   | 0.00  |
| Furadan 4F         | pt   | 9.81  |
| Fury 1.5 EC        | oz   | 1.30  |
| Gaucho 480         | oz   | 5.80  |
| Intrepid 2F        | oz   | 1.80  |
| Intruder 70WP      | oz   | 9.71  |
| Karate Z           | oz   | 3.40  |
| Lannate IV         | pt   | 10.88 |
| Lannate SP         | oz   | 2.42  |
| Larvin 3.2         | oz   | 0.63  |
| Leverage 2.7       | oz   | 2.17  |
| Lorsban 15G        | lb   | 2.35  |
| Lorsban 4E         | pt   | 6.10  |
| Malathion 57EC     | pt   | 4.23  |
| Malathion 8E       | pt   | 5.50  |
| Malathion ULV      | pt   | 4.93  |
| Mepichlor 4.2% Liq | pt   | 5.91  |
| Methyl Parathion   | pt   | 5.79  |
| Monitor 4          | pt   | 16.50 |
| Monitor 4          | pt   | 16.50 |
| Mustang Max        | oz   | 1.48  |
| Organophosphate    | oz   | 0.00  |
| Orthene 90S        | lb   | 5.75  |
| Orthene 97         | lb   | 10.90 |
| Ovasyn             | pt   | 0.00  |
| Ovicide            | oz   | 0.00  |
| Penncap M          | pt   | 6.71  |
| Phaser 3E          | qt   | 8.13  |
| Pirate 3SC         | oz   | 0.00  |
| Pounce 25WP        | lb   | 14.13 |
| Pounce 3.2 EC      | oz   | 0.91  |

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2018.

| ITEM NAME                  | UNIT   | PRICE  |
|----------------------------|--------|--------|
| <b>INSECTICIDES CONT'D</b> |        |        |
| Provado 1.6F               | oz     | 1.94   |
| Scout X-TRA                | oz     | 0.00   |
| Sevin 80S                  | lb     | 7.40   |
| Sevin XLR Plus             | qt     | 13.23  |
| Spintor 2SC                | oz     | 4.93   |
| Steward                    | pt     | 39.51  |
| Synthetic Pyrethroid       | oz     | 0.00   |
| Temik 15G Grit             | lb     | 4.00   |
| Thimet 20-G                | lb     | 3.65   |
| Thionex 3EC                | pt     | 4.17   |
| Thionex 50W                | lb     | 10.45  |
| Tracer                     | oz     | 9.73   |
| Trimax                     | oz     | 1.85   |
| Vydate C-LV                | oz     | 0.93   |
| Warrior Z                  | oz     | 1.80   |
| Warrior ZT                 | oz     | 1.88   |
| <b>IRRIGATION SUPPLIES</b> |        |        |
| Rice Gates                 | each   | 3.65   |
| Roll-Out Pipe              | ft     | 0.25   |
| <b>OVERHEAD</b>            |        |        |
| Farmstead & Drainage       | Dol    | 1.00   |
| LARice Insurance           | Dollar | 1.00   |
| LARice Misc. Overhd        | dollar | 1.00   |
| LARice Property Tax        | dollar | 1.00   |
| Shops Bldg & Equip.        | Dol    | 6.55   |
| <b>SERVICE FEE</b>         |        |        |
| Utilities                  | Dol    | 1.00   |
| <b>SEED/PLANTS</b>         |        |        |
| Corn Seed Bt               | thous  | 2.60   |
| Corn Seed BtRR             | thous  | 2.60   |
| Corn Seed Conv.            | thous  | 2.89   |
| Corn Seed RR               | thous  | 3.13   |
| Cotton Seed Bt             | thoud  | 0.28   |
| Cotton Seed BtRR           | thous  | 1.26   |
| Cotton Seed Bxn            | thous  | 0.00   |
| Cotton Seed Conv.          | thous  | 0.00   |
| Cotton Seed Liberty        | thous  | 1.05   |
| Cotton Seed RR             | thous  | 0.63   |
| Cotton Seed RR             | thous  | 0.63   |
| LA Hybrid Rice Seed        | acre   | 160.00 |
| Rice Clearfield 161        | lb     | 1.03   |
| Rice Clearfield XL8        | lb     | 6.12   |
| Rice Seed (Levees)         | lb     | 0.43   |
| Rice Seed CF(Levees)       | lb     | 0.95   |
| Rice Seed Conv.            | lb     | 0.28   |
| Rice Seed Hybrid           | lb     | 5.66   |
| SC Cultured seedcane       | acre   | 484.00 |
| Sorghum Concept            | lb     | 2.85   |
| Sorghum NonConcept         | lb     | 1.18   |
| Soybean Seed Private       | lb     | 0.38   |
| Soybean Seed Public        | lb     | 0.00   |
| Soybean Seed RR            | lb     | 1.30   |
| Wheat Seed Private         | lb     | 0.29   |
| Wheat Seed Public          | lb     | 0.00   |
| <b>SERVICE FEE</b>         |        |        |
| Crop Consultant            | acre   | 7.00   |
| Insect Scouting            | acre   | 7.00   |
| Rice Consultant            | acre   | 8.00   |
| SC Treating Charge         | acre   | 0.00   |
| Survey & Mark Levees       | acre   | 4.50   |
| Survey & Mark Levees       | acre   | 4.50   |
| <b>TECHNOLOGY FEE</b>      |        |        |
| BG Cot Tech Fee            | thous  | 0.28   |
| BG Cot Tech Fee            | cap/ac | 19.50  |
| BG II Cot Tech Fee         | thous  | 0.76   |
| BG II Cot Tech Fee         | cap/ac | 31.91  |
| BG II/RR Tech Fee          | thous  | 1.49   |
| BG II/RR Tech Fee          | cap/ac | 62.69  |
| BG/RR Cot Tech Fee         | thous  | 1.49   |
| BG/RR Cot Tech Fee         | cap/ac | 62.69  |
| Eradication Fee            | acre   | 6.00   |
| Eradication Zone 1         | acre   | 6.00   |
| Eradication Zone 1A        | acre   | 6.00   |

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2018.

| ITEM NAME             | UNIT   | PRICE |
|-----------------------|--------|-------|
| TECHNOLOGY FEE CONT'D |        |       |
| Eradication Zone 1B   | acre   | 6.00  |
| Eradication Zone 2    | acre   | 6.00  |
| Eradication Zone 3    | acre   | 6.00  |
| Eradication Zone 4    | acre   | 6.00  |
| RR Cotton Tech Fee    | thous  | 1.04  |
| RR Cotton Tech Fee    | cap/ac | 43.66 |

