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**PROJECTED COSTS AND RETURNS -
RICE, LOUISIANA, 2001**

**PROJECTED COSTS AND RETURNS -
SOYBEANS, CORN, MILO, WHEAT, AND
WHEAT-SOYBEAN DOUBLE CROP,
SOUTHWEST LOUISIANA, 2001**

by

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PROJECTED COSTS AND RETURNS -- RICE, LOUISIANA, 2001

PROJECTED COSTS AND RETURNS -- SOYBEANS, CORN, MILO, WHEAT, AND WHEAT-SOYBEAN DOUBLE CROP, SOUTHWEST LOUISIANA, 2001

by

Michael E. Salassi¹

INTRODUCTION

Farmers 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 2001 production plans by farmers 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. This information has become all the more critical with the enactment of Federal Agricultural Improvement and Reform (FAIR) Act in 1996 and the current situation of depressed prices for nearly all agricultural commodities.

The purpose of this report is to provide for tenant and owner operator situations 2001 projected cost and return estimates for the following enterprises: rice in Southwest, Central, and Northeast Louisiana and soybean, corn, milo, wheat, and wheat-soybean double crop in Southwest Louisiana.

STUDY AREAS²

Southwest Rice Area

The area known as the Southwest Louisiana Rice Area includes the following eight parishes: Acadia, Allen, Calcasieu, Cameron, Evangeline, Jefferson Davis, St. Landry, and Vermilion Parishes. The growing season consists of approximately 280 days, and average annual rainfall is approximately 56 inches. Soils within the area are generally referred to as coastal prairie soils with the Crowley, Midland, and Lake Charles being the major soil groups. These soils are characterized by poor runoff, poor internal drainage, low phosphorus content, and medium organic content. Internal drainage is inhibited due to a heavy clay pan some 12-18 inches below the surface.

¹Associate Professor, respectively. Department of Agricultural Economics and Agribusiness, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge.

² These areas are shown in Figure 1 on page 11 of this publication.

Northeast Rice Area

The area known as the Northeast Louisiana Rice Area includes the following parishes: Caldwell, Catahoula, Concordia, East Carroll, Franklin, Madison, Morehouse, Ouachita, Richland, Tensas, and West Carroll Parishes. This area is characterized by flat to slightly rolling topography. Soils vary from poorly to well drained and include the clayey recent alluvial of the Mississippi, alluvial soils derived from older sediments of the Arkansas and Ouachita Rivers, and Mississippi terrace soils developed from Pleistocene and recent sediments.

Central Rice Area

The area known as the Central Louisiana Rice Area includes the following parishes: Avoyelles, Natchitoches, Pointe Coupee, and Rapides Parishes. This area is part of the fertile flood plains of the Mississippi and Red Rivers.

PROCEDURE

Data for this report are based on information acquired through statistically designed sample survey methods. Production practice data were obtained primarily from producer surveys. The most prevalent production practices were used with no attempt being made to typify a specific farming operation or farm size. Where production practices differ markedly, the enterprise budget is appropriately specified.

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 noted above. Input prices were obtained from surveys of farm suppliers, machinery dealers, and aerial applicators to provide a basis for estimating 2001 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.

A trend that has been increasing is the rental of equipment, such as a large tractor for primary tillage operations. The distribution of costs between the categories of fixed and direct can be substantially altered by such arrangements. Due to high purchase prices, and therefore high fixed costs of specialized machinery, equipment rental should generally be viewed as a viable management option that may allow farm firms to reduce fixed costs of production, and in some instances, better manage income tax liabilities. This is especially true for smaller farms that cannot efficiently utilize expensive machinery inputs. Due to the difficulty in allocating these costs on a per acre basis in a report such as this, the rental decision should be made in the context of a specific whole farm plan.

Due to the detailed nature of the cost computations, a computerized budget generator procedure was utilized. The Mississippi State Budget Generator Program Version 5.4 developed at Mississippi State University is employed at Louisiana State University for several reasons: (1) the budget generator provides a standard format for crop and livestock budgets; (2) the procedure is widely accepted for computational purposes; (3) the procedure can be easily updated for future use or considering alternative farm situations; and (4) the program can easily combine selected budgets into estimated costs and returns for the whole farm.

The budget generator consists of a computer program which specifies a system of computational procedures for calculating costs and returns. The user specifies data required for preparation of a particular budget (i.e. interest rates, performance rates, and input prices). The responsibility for selection of appropriate data included in the computations rests solely with the user. A copy of the computer program used in this publication can be obtained upon request from the Department of Agricultural Economics and Agribusiness, Louisiana Agricultural Experiment Station, LSU Agricultural Center, or may be downloaded from the Internet from the Mississippi State University Department of Agricultural Economics web page..

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. Performance rates for selected field operations are presented in Appendix Tables 14 and 15 and are based on estimates obtained from farmer and equipment dealer surveys supplemented with data from the Official Guide for Tractors and Farm Equipment.³

Price Data

Input price data were updated by obtaining prices from farm input suppliers and were used as the basis for projecting estimates of input costs for 2001. Herbicide, fertilizer, and insecticide expenditures for each enterprise budget are based upon the types of chemicals producers generally reported using for that situation.⁴ Suggested prices for selected farm inputs and aerial application rates are presented in Appendix Table 1.

Labor was charged at \$7.50 per hour for all classes of labor except for harvest machinery and laser leveling operator labor, which was charged at \$12.00 per hour. 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

³Official Guide to Tractors and Farm Equipment, St. Louis: National Farm and Power Services, Inc., Fall 1993.

⁴Mention of trade names and commercial products is for identification purposes only. It does not constitute endorsement or recommendation for use by Louisiana State University nor does it imply discrimination against these or similar products.

month (salaried) employees i.e. foremen.⁵ These hourly wage rates are based upon the minimum wage rate plus allowances for social security and workman's compensation. 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 enterprises.

Interest on operating capital (short term) was charged at a nominal rate of 10 percent per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel prices for diesel, gasoline, electricity and natural gas were \$1.17 per gallon, \$1.43 per gallon, \$0.09 per kWh and \$6.00 per thousand cubic feet, respectively. 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 6.4%. 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.

Because of provisions in the FAIR act, income for all rice enterprises is based solely on a projected market price of \$7.00 per hundredweight. No AMTA payments are included in income for any crop because they are exogenous to a producer's crop mix decision given adherence to the minimum requirements necessary to receive guaranteed payments. Given the current depressed price situation, loan deficiency payments could impact production decisions. However, loan deficiency payments are not included in income because they vary somewhat by area, and the output prices used in this report are near or slightly above loan rates.

Price projections for the other enterprises were made in January 2001 based upon market projections and futures markets. Crop prices used were \$5.25 per bushel for soybeans, \$2.50 per bushel for corn, \$4.10 per hundredweight for milo, and \$2.80 per bushel for wheat. Price forecasts made at this time generally have a low degree of reliability due to unknown supply and demand factors. However, product price estimates were made for comparison of alternative production practices and alternative enterprises.

Yields

Yields in this report are based upon acre weighted actual yields from 1992 -1999 for each area (Southwest, Central and Northeast). It is critically important that users of this information adjust yields to reflect their specific situation, in order to accurately reflect expected returns for their farm operation. In the Southwest for example, parishes adjacent to the Gulf of Mexico generally experience lower rice yields than the more northern parishes. This factor has extremely important implications on expected returns.

⁵The \$12.00 per hour wage rates are shown in the income-cost budgets under the category "owner labor".

Overhead Labor and Costs

Overhead costs reflect significant expenses associated with the operation of the entire farm business, but are not necessarily attributable to a specific enterprise. Examples of farm overhead costs include tax services, record keeping, utilities, farmstead maintenance, and insurance and property taxes where applicable.

Overhead cost projections presented in this report are based on an update of a departmental study of overhead costs.⁶ Farmers were asked to provide information concerning their overhead labor requirements, specific overhead jobs performed on the farm, and overhead expenditure items. Projected per acre overhead cost budgets for relevant tenure situations are presented in Appendix Tables 17 and 18. Several specific overhead expenditure items have been grouped into general overhead cost categories. Insurance estimates include charges for machinery, livestock, crop storage, and farmstead insurance. Miscellaneous overhead includes charges for legal and accounting fees, farm organization membership dues, magazine subscriptions, and computer services. Other labor consists of time spent managing the farm (including time spent for record keeping) and non-machinery time spent on farmstead and drainage maintenance. Because time spent managing the farm was included in the overhead charge, management was not included as a residual claimant of returns in the enterprise budgets.

Farm overhead operating costs are costs associated with farmstead maintenance, mowing turn rows, drainage construction, road maintenance, general use of a pickup truck, and operation of a farm shop. Cost estimates for these items are included in tractor or machinery fuel, lubrication, and repair and maintenance.

Each of the enterprise budgets included in this report incorporate the variable and fixed components of overhead cost as a single lump sum under "allocated cost items" in the enterprise budgets. The total overhead costs for a firm are related to tenure and size of business. The overhead costs included in this report were estimated on a per acre basis, and thus are included in enterprise budgets on a per acre of land use basis.

ENTERPRISE BUDGETS

The enterprise budgets for both owner-operators and tenant-operators are presented in two parts. The first part is a summary of costs and returns for the enterprise. The second part provides a table listing the sequence of production operations, indicating the tools 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.

It should be noted that the enterprise budgets presented for owner-operators assume the operator owns the land resource (i.e. has 100 percent equity in the land). If a person is in the

⁶Huffman, Donald C., and Brian E. McManus, Overhead Costs and Labor on Louisiana Farms, D.A.E. Research Report No. 599, Department of Agricultural Economics and Agribusiness, Agricultural Experiment Station, CASRD, Louisiana State University, Baton Rouge, Louisiana, June 1982.

process of purchasing the land (i.e. has less than 100 percent equity), his cost of production may be considerably higher than the full owner or tenant-operator.

In recognition of the above, a second allocated cost item (in addition to overhead) is included in the summary budgets for owner-operators. This charge is a cash rental value for land and water which serves as a proxy for the income that could be gained if the owner-operator rented his land under the same crop and area specific rental arrangement assumed in tenant-operator budgets in this publication (this includes providing irrigation for rice). It is a non-cash cost and can be interpreted as an opportunity cost. It is not an estimated cost of land, but given there is no better alternative use for the land, and the assumptions implicit in these budgets in terms of production practices, current input and output prices, and rental arrangements, it does represent a yearly estimate of market returns to land and (in the case of rice) water, *Ceteris paribus* (all other things unchanged). This value will change in response to changes in any of the above mentioned factors.

Rice Budgets -- Southwest Louisiana

This report provides 2001 projected costs and returns for rice in Southwest Louisiana using two methods of seeding rice -- water planted and drill planted. Budgets are presented for both owner and tenant situations for each of the planting methods. Conservation tillage budgets for owner-operators are included as well. It should be noted that the conservation tillage budgets presented are based on a limited amount of data, but represent the best estimates available at this time. Further surveys and research are planned in this area, and should include data for tenant-operators as well as owner-operators. Budgets are also included for second cutting rice and landlord and waterlord shares of cost and returns for each of the conventional rice planting methods.

Rice receipts were calculated by multiplying the actual rice yield times the estimated market price (\$7.00 per cwt.). No AMTA payments were included because they are independent of actual production.

Rental arrangements are variable across crops, areas, and producers. For rice in Southwest Louisiana, it was assumed that the landlord and waterlord each received 1/5 of the crop. The landlord share of production costs was 1/5 of the materials cost of fertilizer and chemicals and 1/5 of the drying and storage costs. The waterlord share of production costs was 1/5 of the materials cost of fertilizer and chemicals, 1/5 of the drying and storage costs, and all irrigation fuel costs. The waterlord also incurred the fixed costs of the irrigation system. For tenant-operator situations, share rents were specified as a deduction from gross income, and any landlord/waterlord cost sharing was deducted from the appropriate cost item. Landlord and waterlord budgets were developed to specify returns to land or water by including the owner's rental income (excluding government payments), fertilizer and chemical costs, drying and storage costs, and irrigation direct and fixed costs.

Because insecticides and fungicides are applied on the rice crop only when needed, application rates were reduced to the level corresponding to the percentage of rice acreage treated last year based on expert opinion. The percentage of the total planted acre treated with fungicides and Methyl Parathion was 40 and 45 percent, respectively. The seed treatment *Icon* was assumed to be the rice water weevil control method and was applied to 75 percent of each

planted acre.. The estimated cost per acre for each of these items includes relevant materials and application costs.

Drying costs were calculated by multiplying a commercial rate times the green weight. It was assumed rice was harvested at a moisture level of 21 percent and was dried to a 12 percent level. Storage costs were calculated on a dry weight basis.

Irrigation costs shown in the rice budgets were based on data from a study by Salassi and Musick with costs updated.⁷ For Southwest Louisiana, a 10 inch well 300 feet deep was chosen as representative of irrigation wells, and a diesel engine was selected as the power source for the system. The operating capacity of this well was estimated to be 250 acres or 9,000 acre inches per year. Assuming average weather conditions and a pinpoint flood system, the wells were estimated to serve 222 acres and pump a total of 7,770 acre inches for conventional water planted rice (35 inches/acre) and 7,104 acre inches for conventional drill planted rice (32 inches/acre). These amounts were reduced to 6,371 acre inches for conservation tillage water planted rice (28.7 inches/acre) and 6,189 acre inches for conservation tillage drill planted rice (27.88 inches/acre) because these budgets assume a laser leveling program is in place, resulting in lower water use. The delivery system was subsurface pipeline using an average of 20 linear feet of 10 inch plastic pipe per acre. A summary of the cost items is shown in Appendix Table 2. Due to the diversity in irrigation systems across rice farms in Southwest Louisiana, estimates were also developed for diesel, electric, and natural gas power units for deep well and surface water irrigation sources assuming both conventional drill and conventional water planted systems. Results are provided in Appendix Tables 2 through 7.

Southwest Louisiana rice budgets are presented in Tables 5 through 16. Results are summarized in Table 1. For the water planted rice, owner-operator situation, estimated production expenses totaled \$505.42 per acre, including \$425.10 per acre in direct expenses and \$80.31 per acre in fixed expenses. These cost estimates do not include estimates for general farm overhead. For the water planted rice, tenant-operator situation, estimated production expenses totaled \$304.26 per acre, including \$256.02 per acre in direct expenses and \$48.24 per acre in fixed expenses. Total specified expenses for drill-planted rice in Southwest Louisiana were estimated to be \$481.09 per acre for an owner-operator and \$291.84 per acre for a tenant-operator. Budgeted rice yields were 49 cwt. per acre for water-planted rice and 52 cwt. per acre for drill-planted rice.

Soybean Budgets

Soybean projected costs and returns for 2001, presented in Tables 17-21, were developed for three methods of planting soybeans: conventional drill planting, no-till drill planting, and conventional 30 inch row-planting with 6-row equipment. Budgets are presented for owner-operator and tenant-operator situations for both conventional methods, but only for owner-operators for the no-till method. The rental arrangement for tenant-operators was assumed to be 1/5 crop share to the landlord with the landlord paying 1/5 of the storage costs. Returns are

⁷Salassi, Michael E. and Joseph A. Musick, An Economic Analysis of Rice Irrigation Pumping Systems in Louisiana, D.A.E. Research Report No. 617, Department of Agricultural Economics and Agribusiness, Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge, Louisiana, July 1983.

estimated using a \$5.25 per bushel product price and soybean yields of 25.5 bushels per acre for 6-row production and 28 bushels per acre for drilled soybeans.

Corn Budgets

Although corn is not a major crop in the Southwest Louisiana Rice Area, it does represent a potential field crop enterprise for some farmers in the area. Projected cost and return estimates for corn were developed for owner-operator and tenant-operator situations and are presented in Tables 22 and 23. The rental arrangement was assumed to be 1/5 crop share to the landlord with the landlord paying 1/5 of the drying costs. A projected product price of \$2.50 per bushel is used in these costs and returns estimates for 2001 along with a projected corn yield of 100 bushels per acre.

Milo Budgets

Projected costs and returns were developed for a drill-planted milo enterprise for owner-operator and tenant-operator situations. These projected costs and returns are presented in Tables 24 and 25. Rental arrangements were assumed to be 1/5 crop share to the landlord with the landlord not sharing in any costs. A projected product price of \$4.10 per hundredweight and a gross yield of 37 cwt. were used in estimating market returns to milo production.

Wheat Budgets

Projected costs and returns were developed for a drill-planted wheat enterprise for owner-operator and tenant-operator situations. These projected costs and returns are presented in Tables 26 and 27. Rental arrangements were assumed to be 1/5 crop share to the landlord with the landlord not sharing in any costs. A projected product price of \$2.80 per bushel and a gross yield of 40 bushels per acre were used in estimating market returns to wheat production.

Wheat-Soybean Double Crop Budgets

Per acre budget projections were developed for a wheat-soybean double crop enterprise for both owner and tenant operator situations. These projected costs and returns are presented in Tables 28 and 29. Rental arrangements were assumed to be 1/5 crop share from both crops to the landlord with no cost sharing. Market returns were estimated for wheat using a \$2.80 per bushel market price and a projected yield of 40 bushels per acre. Market returns for soybeans were estimated using a market price of \$5.25 per bushel and a projected yield of 26 bushels per acre.

Rice Budgets -- Central Louisiana

Because of increased rice production in the Central Area of the state and a demand for a rice enterprise budget, projections were made for a water planted rice enterprise assuming an owner-operator situation. Estimates presented in Table 30 in this budget were developed primarily by research and extension personnel with some producer input.

Receipts for rice producers in Central Louisiana were calculated in the same way as for Southwest Louisiana rice producers (market price of \$7.00 per cwt. and no government payment). For Central Louisiana, insecticide and fungicide application rates, and drying and storage costs were all estimated using the same assumptions made for Southwest Louisiana budgets.

Rice Budgets -- Northeast Louisiana

This report provides 2001 projected costs and returns for rice in Northeast Louisiana using two methods of planting rice -- water and drill planted. Budgets are presented for both owner and tenant situations for each of the planting methods. No ratoon crop was harvested. Budgets are also included for landlord and waterlord shares of cost and returns for each of the rice planting methods and are presented in Tables 31-35.

Receipts for rice producers in Northeast Louisiana were calculated in the same way as for Southwest and Central Louisiana rice producers (market price of \$7.00 per hundredweight and no government payment).

Rental arrangements vary across producers and areas. For Northeast Louisiana, a representative rental arrangement was assumed to be 1/5 crop share to the landlord and 1/5 crop share to the waterlord. The landlord shares in the cost of production by contributing 1/5 of the drying and storage cost, the waterlord shares by paying 1/5 of the drying and storage costs and all irrigation fuel costs. The waterlord also incurs all the irrigation system fixed costs. In most cases in Northeast Louisiana, the landlord and waterlord are the same person. For tenant-operator situations, share rents were specified as a deduction from gross income, and any landlord/waterlord cost sharing was deducted from the appropriate cost item. Landlord/waterlord budgets were developed for both seeding methods to specify returns to land and water by including the owner's rental income, drying and storage costs, and irrigation direct and fixed costs.

For Northeast Louisiana, insecticide and fungicide application rates were reduced to the level corresponding to the percentage of rice acreage treated last year based on expert opinion. The percentage of the total planted acre treated with fungicides and Methyl Parathion was 40 and 45 percent, respectively. The seed treatment *Icon* was assumed to be the rice water weevil control method and was applied to 75 percent of each planted acre. The estimated cost per acre for each of these items includes relevant materials and application costs. Drying and storage costs were estimated as in Southwest Louisiana.

Irrigation costs shown in Northeast Louisiana rice budgets were estimated based on an irrigation system with a 12 inch well 100 feet deep, a surface canal distribution system and a diesel engine as the power source. The operating capacity was estimated to be 233 acres or 9,320 acre inches per year. For a typical situation in Northeast Louisiana using a pinpoint flood system and average weather, the wells were estimated to serve 200 acres and pump a total of 7,200 acre inches for water planted rice (36 inches/acre) or 8,000 acre inches for drill planted rice (40 inches/acre). A summary of the cost items is shown in Appendix Table 8. Due to the diversity in irrigation systems across rice farms in Northeast Louisiana, estimates were developed for diesel and electric power units for deep well and surface water irrigation sources assuming both drill and water planted systems. Results are provided in Appendix Tables 8 through 11.

SUMMARY

A summary of projected costs and returns for enterprise situations presented in this report is provided in Tables 1 and 2. Results indicate that per unit rice production costs are higher in Southwest Louisiana. This is due primarily to lower water pumping costs in Northeast Louisiana resulting from the more shallow wells (100 feet) versus Southwest Louisiana (300 feet). Both owner-operators and tenant-operators in Southwest Louisiana are at a significant disadvantage with respect to cost per unit of output, and necessarily income, as compared to their counterparts in the Northeast area. Drill-planted soybeans appear to have an advantage over row-planted soybeans for both tenure situations. This advantage is due to yield differences between the two methods. No till drilled soybeans possess advantages over other soybean production systems due to lower costs and/or higher yields. The milo and wheat enterprises appear to have definite cost and net income advantages relative to both the rice and most soybean enterprises. As a caveat, this is applicable only to a limited amount of acreage in Southwest Louisiana. The corn enterprise is more costly on a per acre basis relative to all enterprises with the exceptions of rice and wheat-soybean double crop.

Break-even selling prices are shown in Tables 3 and 4 for each enterprise situation budgeted. The break-even selling price represents the cost of production per unit of output at a particular yield level. Therefore, a price higher than the break-even price would have to be received before the operator would obtain a return above specified costs. Break-even prices are presented for direct costs (a close approximation of cash costs) and for total specified costs which represents all costs except overhead, land and risk for owner-operators. The break-even analysis of total specified costs for tenant-operator situations does consider land cost, but not risk or overhead costs.

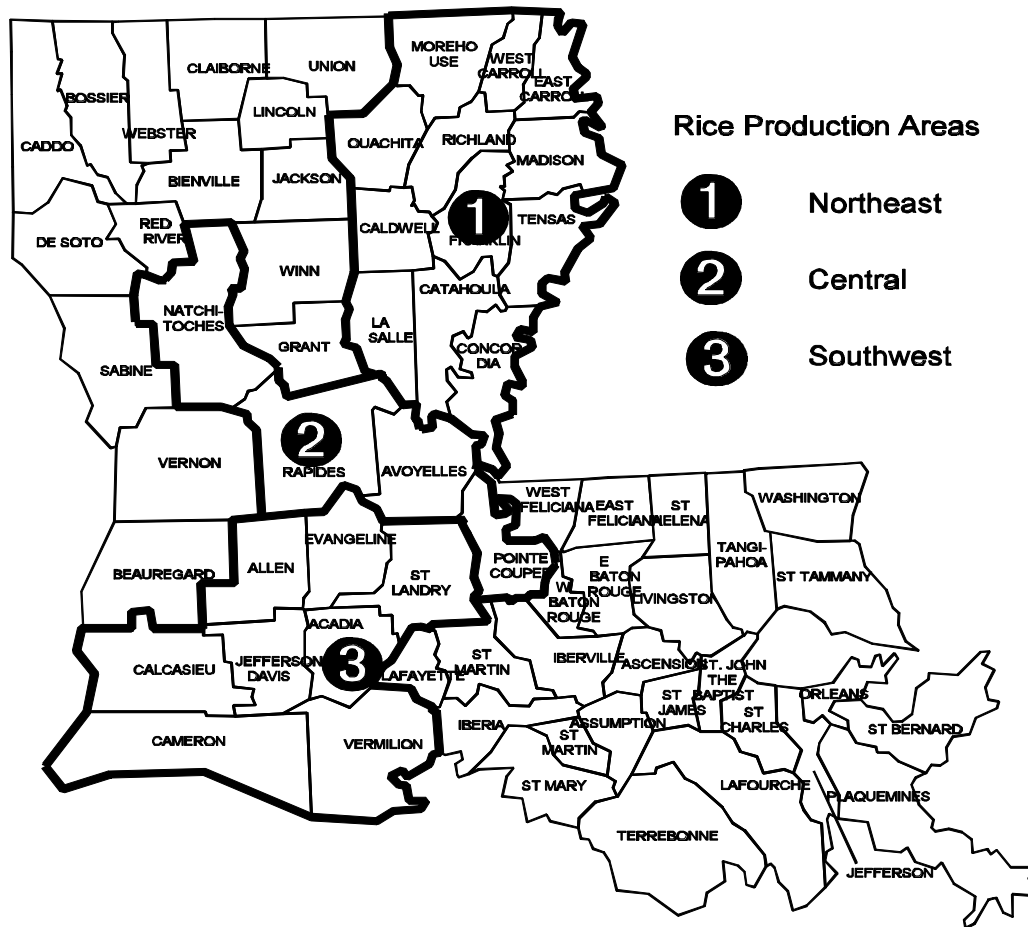


Figure 1. Louisiana Rice Production Areas.

Table 1. Summary of Projected Costs and Returns per Acre for Rice Production in Louisiana, 2001.

Crop Description	Yield Per Acre	Unit	Total Income	Direct Expenses	Returns Over Direct Expenses	Fixed Expenses	Total Specified Expenses	Returns Over Total Expenses
-----Dollars per Acre-----								
<u>Rice Enterprises:</u>								
Southwest Louisiana:								
Water Plant, Owner <u>a/</u>	49.00	cwt.	339.08	425.10	-86.02	80.31	505.42	-166.34
Water Plant, Tenant <u>b/</u>	29.40	cwt.	203.44	256.02	-52.57	48.24	304.26	-100.81
Water Plant, "No Till", Owner <u>a/</u>	49.00	cwt.	339.08	416.03	-76.95	79.31	495.35	-156.27
Water Plant, Stale Seedbed, Owner <u>a/</u>	49.00	cwt.	339.08	417.81	-78.73	81.62	499.43	-160.35
Drill Plant, Owner <u>a/</u>	52.00	cwt.	359.84	397.06	-37.22	84.02	481.09	-121.25
Drill Plant, Tenant <u>b/</u>	31.20	cwt.	215.90	239.02	-23.11	52.82	291.84	-75.94
Drill Plant, "No Till", Owner <u>a/</u>	52.00	cwt.	359.84	400.15	-40.31	85.75	485.90	-126.06
Drill Plant, Stale Seedbed, Owner <u>a/</u>	52.00	cwt.	359.84	405.02	-45.18	87.53	492.56	-132.72
Second Cutting, Owner <u>a/</u>	16.00	cwt.	110.72	84.16	26.55	18.59	102.75	7.96
Second Cutting, Tenant <u>b/</u>	9.60	cwt.	66.43	44.91	21.51	15.66	60.58	5.84
Northeast Louisiana:								
Water Plant, Owner <u>a/</u>	54.50	cwt.	377.14	327.96	49.17	62.46	390.43	-13.94
Water Plant, Tenant <u>b/</u>	32.70	cwt.	226.28	265.51	-39.23	49.09	314.61	-88.33
Drill Plant, Owner <u>a/</u>	54.50	cwt.	377.14	317.24	59.89	68.67	385.91	-8.77
Drill Plant, Tenant <u>b/</u>	32.70	cwt.	226.28	252.53	-26.25	54.69	307.22	-80.94
Central Louisiana:								
Water Plant, Owner <u>a/</u>	50.00	cwt.	346.00	352.49	-6.49	58.10	410.59	-64.59

* Returns over total expenses do not include estimated overhead costs.

** Rice valued at estimated market price \$7.00/cwt. No Government payments are included.

a/ Land costs not included for owner-operators.

b/ Rental arrangements for rice in Southwest Louisiana were 1/5 crop share for land and 1/5 crop share for water with both landlord and waterlord paying 1/5 of fertilizer, chemicals, and drying and storage costs and the waterlord paying all of the irrigation fuel. Rental arrangements for rice in Northeast Louisiana were 1/5 crop share for land and 1/5 crop share for water with the waterlord paying all irrigation fuel costs and both the landlord and waterlord paying 1/5 of the drying and storage costs.

Table 2. Summary of Projected Costs and Returns per Acre for Soybean, Corn, Milo, Wheat, and Wheat-Soybean Double Crop Production in Southwest Louisiana, 2001.

Crop Description	Yield Per Acre	Unit	Total Income	Direct Expenses	Returns Over Direct Expenses	Fixed Expenses	Total Specified Expenses	Returns Over Total Expenses
-----Dollars per Acre-----								
<u>Soybean Enterprises:</u>								
6-row, Owner <u>a/</u>	25.50	bu.	133.87	122.10	11.77	34.07	156.18	-22.30
6-row, Tenant <u>b/</u>	20.40	bu.	107.35	121.07	-13.71	34.07	155.15	-47.79
Drill Plant, Owner <u>a/</u>	28.00	bu.	147.00	129.74	17.25	33.20	162.95	-15.95
Drill Plant, Tenant <u>b/</u>	22.40	bu.	117.88	128.61	-10.73	33.20	161.82	-43.94
Drill Plant, No Till, Owner <u>a/</u>	28.00	bu.	147.00	124.62	22.37	24.78	149.41	-2.41
<u>Corn Enterprises:</u>								
6-row, Owner <u>a/</u>	100.00	bu.	250.00	191.24	58.75	42.53	233.78	16.21
6-row, Tenant <u>b/</u>	80.00	bu.	201.40	187.41	13.98	42.53	229.94	-28.54
<u>Milo Enterprises:</u>								
Drill Plant, Owner <u>a/</u>	37.00	cwt.	151.70	125.36	26.33	28.63	154.00	-2.30
Drill Plant, Tenant <u>b/</u>	29.60	cwt.	122.10	125.36	-3.26	28.63	154.00	-31.90
<u>Wheat Enterprises:</u>								
Drill Plant, Owner <u>a/</u>	40.00	bu.	112.00	95.76	16.23	26.30	122.07	-10.07
Drill Plant, Tenant <u>b/</u>	32.00	bu.	89.60	95.76	-6.16	26.30	122.07	-32.47
<u>Wheat-Soybean Double Crop:</u>								
Wheat-Soybean, Owner <u>a/</u>	40+26	bu.	248.50	189.29	59.20	49.79	239.08	9.41
Wheat-Soybean, Tenant <u>b/</u>	32.0+20.8	bu.	199.06	189.29	9.76	49.79	239.08	-40.02

* Returns over total expenses do not include estimated overhead costs.

** Crop prices used were \$5.25 per bushel for soybeans, \$2.50 per bushel for corn, \$4.10 per cwt. for milo, and \$2.80 per bushel for wheat.

a/ Land costs not included for owner-operators.

b/ Rental arrangements for soybeans, corn, milo, and wheat were 1/5 crop share for land with the landlord paying 1/5 of any drying and storage costs.

Table 3. Break-even Selling Prices for Rice at Selected Yield Levels, Louisiana, 2001.

Crop Description	Total Costs	Total Direct Costs	Base Yield c/	Yield Level (%)				
				-20%	-10%	Base	+10%	+20%
Dollars per Acre				-----Dollars per Cwt.-----				
<u>Prices Required to Recover Total Specified Expenses:</u>								
Southwest Louisiana:								
Water Plant, Owner <u>a/</u>	505.42	.	49.00	12.52	11.29	10.31	9.51	8.84
Water Plant, Tenant <u>b/</u>	304.27		29.40	12.56	11.33	10.35	9.54	8.87
Water Plant, "No Till", Owner <u>a/</u>	495.35		49.00	12.26	11.07	10.11	9.33	8.67
Water Plant, Stale Seedbed, Owner <u>a/</u>	499.44		49.00	12.37	11.16	10.19	9.40	8.74
Drill Plant, Owner <u>a/</u>	481.09		52.00	11.19	10.11	9.25	8.55	7.96
Drill Plant, Tenant <u>b/</u>	291.85		31.20	11.32	10.23	9.35	8.64	8.04
Drill Plant, "No Till", Owner <u>a/</u>	485.90		52.00	11.31	10.22	9.34	8.63	8.04
Drill Plant, Stale Seedbed, Owner <u>a/</u>	492.55		52.00	11.47	10.36	9.47	8.75	8.14
Second Cutting, Owner <u>a/</u>	102.75		16.00	7.77	7.02	6.42	5.93	5.53
Second Cutting, Tenant <u>b/</u>	60.57		9.60	7.63	6.89	6.31	5.83	5.43
Northeast Louisiana:								
Water Plant, Owner <u>a/</u>	390.43		54.50	8.58	7.79	7.16	6.65	6.22
Water Plant, Tenant <u>b/</u>	341.61		32.70	11.65	10.52	9.62	8.88	8.27
Drill Plant, Owner <u>a/</u>	385.92		54.50	8.48	7.70	7.08	6.57	6.15
Drill Plant, Tenant <u>b/</u>	307.23		32.70	11.37	10.27	9.40	8.68	8.08
Central Louisiana:								
Water Plant, Owner <u>a/</u>	410.59		50.00	9.89	8.96	8.21	7.60	7.09
<u>Prices Required to Recover Direct Specified Expenses:</u>								
Southwest Louisiana:								
Water Plant, Owner <u>a/</u>	425.11		49.00	10.47	9.47	8.68	8.02	7.48
Water Plant, Tenant <u>b/</u>	256.03		29.40	10.51	9.51	8.71	8.05	7.51
Water Plant, "No Till", Owner <u>a/</u>	416.04		49.00	10.24	9.27	8.49	7.85	7.32
Water Plant, Stale Seedbed, Owner <u>a/</u>	417.82		49.00	10.28	9.31	8.53	7.89	7.35
Drill Plant, Owner <u>a/</u>	397.06		52.00	9.17	8.32	7.64	7.08	6.61
Drill Plant, Tenant <u>b/</u>	239.03		31.20	9.20	8.35	7.66	7.10	6.63
Drill Plant, "No Till", Owner <u>a/</u>	400.15		52.00	9.25	8.38	7.70	7.13	6.66
Drill Plant, Stale Seedbed, Owner <u>a/</u>	405.02		52.00	9.36	8.49	7.79	7.22	6.74
Second Cutting, Owner <u>a/</u>	84.16		16.00	6.31	5.73	5.26	4.88	4.56
Second Cutting, Tenant <u>b/</u>	44.91		9.60	5.59	5.08	4.68	4.35	4.07
Northeast Louisiana:								
Water Plant, Owner <u>a/</u>	327.97		54.50	7.15	6.52	6.02	5.61	5.26
Water Plant, Tenant <u>b/</u>	265.52		32.70	9.78	8.86	8.12	7.52	7.02
Drill Plant, Owner <u>a/</u>	317.25		54.50	6.90	6.30	5.82	5.43	5.10
Drill Plant, Tenant <u>b/</u>	252.54		32.70	9.28	8.42	7.72	7.16	6.68
Central Louisiana:								
Water Plant, Owner <u>a/</u>	352.49		50.00	8.44	7.67	7.05	6.54	6.12

* Total costs do not include estimated overhead costs.

a/ Land costs not included for owner-operators.

b/ Rental arrangements for rice in Southwest Louisiana were 1/5 crop share for land and 1/5 crop share for water with both landlord and waterlord paying 1/5 of fertilizer, chemicals, and drying and storage costs and the waterlord paying all of the irrigation fuel. Rental arrangements for rice in Northeast Louisiana were 1/5 crop share for land and 1/5 crop share for water with the waterlord paying all irrigation fuel costs and both the landlord and waterlord paying 1/5 of the drying and storage costs.

c/ Tenant share of rice yield is 60 percent of total production.

Table 4. Break-even Selling Prices for Soybeans, Corn, Milo, Wheat and Wheat-Soybean Double Crop at Selected Yield Levels, Southwest Louisiana, 2001.

Crop Description	Total Costs	Total Direct Costs	Base Yield c/	Yield Level (%)				
				-20%	-10%	Base	+10%	+20%
Dollars per Acre				-----Dollars per Bu. (Cwt.)-----				
<u>Prices Required to Recover Total Specified Expenses:</u>								
Soybeans, 6-row, Owner <u>a/</u>	156.17		25.50	7.61	6.78	6.12	5.59	5.14
Soybeans, 6-row, Tenant <u>b/</u>	155.14		20.40	9.46	8.43	7.60	6.93	6.37
Soybeans, Drill Plant, Owner <u>a/</u>	162.94		28.00	7.22	6.44	5.82	5.31	4.88
Soybeans, Drill Plant, Tenant <u>b/</u>	161.81		22.40	8.98	8.00	7.22	6.59	6.05
Soybeans, Drill Plant, NoTill, Owner <u>a/</u>	149.40		28.00	6.62	5.91	5.34	4.87	4.48
Corn, 6-row, Owner <u>a/</u>	233.77		100.00	2.87	2.58	2.34	2.14	1.98
Corn, 6-row, Tenant <u>b/</u>	229.94		80.00	3.55	3.17	2.87	2.63	2.43
Milo, Drilled, Owner <u>a/</u>	154.00		37.00	5.20	4.62	4.16	3.78	3.47
Milo, Drilled, Tenant <u>b/</u>	154.00		29.60	6.50	5.78	5.20	4.73	4.34
Wheat, Drilled, Owner <u>a/</u>	122.07		40.00	3.81	3.39	3.05	2.77	2.54
Wheat, Drilled, Tenant <u>b/</u>	122.07		32.00	4.77	4.24	3.81	3.47	3.18
Wheat/Soybean Double Crop: <u>d/</u>								
Wheat, Drill Planted, Owner	119.96		40.00	3.75	3.33	3.00	2.73	2.50
Wheat, Drill Planted, Tenant	119.96		32.00	4.69	4.17	3.75	3.41	3.12
Soybeans, Drill Planted, Owner	114.52		26.00	5.51	4.89	4.40	4.00	3.67
Soybeans, Drill Planted, Tenant	114.52		20.80	6.88	6.12	5.51	5.01	4.59
<u>Prices Required to Recover Direct Specified Expenses:</u>								
Soybeans, 6-row, Owner <u>a/</u>	122.10	122.10	25.50	5.94	5.30	4.79	4.37	4.02
Soybeans, 6-row, Tenant <u>b/</u>	121.07	121.07	20.40	7.37	6.57	5.93	5.41	4.98
Soybeans, Drill Plant, Owner <u>a/</u>	129.74	129.74	28.00	5.74	5.13	4.63	4.23	3.89
Soybeans, Drill Plant, Tenant <u>b/</u>	128.61	128.61	22.40	7.13	6.36	5.74	5.24	4.82
Soybeans, Drill Plant, NoTill, Owner <u>a/</u>	124.62	124.62	28.00	5.51	4.92	4.45	4.06	3.74
Corn, 6-row, Owner <u>a/</u>	191.24	191.24	100.00	2.34	2.10	1.91	1.76	1.63
Corn, 6-row, Tenant <u>b/</u>	187.41	187.41	80.00	2.88	2.58	2.34	2.15	1.98
Milo, Drilled, Owner <u>a/</u>	125.36	125.36	37.00	4.24	3.76	3.39	3.08	2.82
Milo, Drilled, Tenant <u>b/</u>	125.36	125.36	29.60	5.29	4.71	4.24	3.85	3.53
Wheat, Drilled, Owner <u>a/</u>	95.76	95.76	40.00	2.99	2.66	2.39	2.18	2.00
Wheat, Drilled, Tenant <u>b/</u>	95.76	95.76	32.00	3.74	3.33	2.99	2.72	2.49
Wheat/Soybean Double Crop: <u>d/</u>								
Wheat, Drill Planted, Owner	95.33	95.33	40.00	2.98	2.65	2.38	2.17	1.99
Wheat, Drill Planted, Tenant	95.33	95.33	32.00	3.72	3.31	2.98	2.71	2.48
Soybeans, Drill Planted, Owner	89.35	89.35	26.00	4.30	3.82	3.44	3.12	2.86
Soybeans, Drill Planted, Tenant	89.35	89.35	20.80	5.37	4.77	4.30	3.91	3.58

* Total costs do not include estimated overhead costs. a/ Land costs not included for owner-operators. b/ Rental arrangements for soybeans, corn, milo, and wheat in Southwest Louisiana were 1/5 crop share for land and the landlord paying 1/5 of any drying and storage costs. c/ Tenant share of rice yield is 80 percent of total production. d/ Total costs and total direct costs for each of these crops reflect that portion of costs attributable to the production of each crop. These costs are greatly reduced for soybeans because of the high degree of complementarity in production between wheat and soybeans.

Table 5.A Estimated costs and returns per acre. Rice, water planted, owner-operators, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt.	7.00	49.0000	343.00	
Rice checkoff	cwt.	0.08	-49.0000	-3.92	

TOTAL INCOME				339.08	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane seed	cwt	5.03	1.4000	7.04	
Global Pos. System	acre	0.40	5.8500	2.34	
Airplane Stam	acre	5.23	2.0000	10.46	
Airplane 2,4-d	acre	5.25	1.0000	5.25	
Airplane Fert	cwt	4.45	1.4000	6.23	
Airplane Fungicide <u>b/</u>	acre	4.70	0.4000	1.88	
Airplane Insect <u>b/</u>	acre	4.27	0.4500	1.92	
Drying Rice <u>c/</u>	cwt	0.93	55.0500	51.19	
Storage Rice	cwt	0.45	49.0000	22.05	
FERTILIZER					
Nitrogen	lbs	0.25	120.0000	30.00	
Phosphate	lbs	0.19	51.0000	9.69	
Potash	lbs	0.15	51.0000	7.65	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Stam M4	qt	4.92	6.0000	29.52	
2,4-D-LV4	pt	2.01	1.0000	2.01	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	1.0500	17.90	
Methyl parathion 4E <u>d/</u>	pt	3.56	0.4500	1.60	
OTHER					
Plastic	sqft	0.05	13.5000	0.67	
SEED					
Rice seed	lbs	0.16	140.0000	22.40	
OPERATOR LABOR					
Tractors	hour	7.50	1.5933	11.95	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig sys 9 fl WP	hour	7.50	0.3150	2.36	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	9.4217	11.02	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irrig sys 9 fl WP	gal	1.17	77.9450	91.19	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	3.79	1.0000	3.79	
Tractors	acre	9.81	1.0000	9.81	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irrig sys 9 fl WP	acre	5.91	1.0000	5.91	
INTEREST ON OP. CAP.	acre	12.88	1.0000	12.88	

TOTAL DIRECT EXPENSES				425.10	
RETURNS ABOVE DIRECT EXPENSES				-86.02	
FIXED EXPENSES					
Implements	acre	6.96	1.0000	6.96	
Tractors	acre	15.05	1.0000	15.05	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irrig sys 9 fl WP	acre	32.07	1.0000	32.07	

TOTAL FIXED EXPENSES				80.31	

TOTAL SPECIFIED EXPENSES				505.42	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-166.34	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
L&W, SWWP Conv. Rice <u>d/</u>	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-304.94	

a/ Includes estimated market income only.

b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 5.B Estimated resource use and costs per acre for field operations,
Rice, water planted, owner-operators, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Levee plow	8 Ft	143	0.050	3.00	Nov	2.60	1.88	0.23	0.60	0.165	1.23				6.55
Dozer blade	10ft	93	0.850	0.09	Nov	0.89	0.59	0.08	0.23	0.084	0.63				2.44
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	1.00	Feb	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Fertilizer Truck	acre			1.00	Mar							1.0000	3.95	3.95	3.95
Nitrogen	lbs											57.0000	0.25	14.25	14.25
Phosphate	lbs											51.0000	0.19	9.69	9.69
Potash	lbs											51.0000	0.15	7.65	7.65
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Dozer blade	10ft	93	0.850	0.06	Mar	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irrig sys 9 fl WP	acin			1.00	Mar			22.19	32.07	0.072	0.54	8.0000			54.80
Plastic	sqft											13.5000	0.05	0.67	0.67
Other labor	hour											0.6000	7.50	4.50	4.50
Water level	16 Ft	143	0.220	1.00	Mar	3.82	2.75	0.26	0.61	0.242	1.81				9.28
Drag	14 ft	143	0.130	1.00	Mar	2.26	1.62	0.05	0.07	0.143	1.07				5.10
Airplane seed	cwt			1.00	Apr							1.4000	5.03	7.04	7.04
Rice seed	lbs											140.0000	0.16	22.40	22.40
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Icon Treatment (wet)	cwt											1.0500	17.05	17.90	17.90
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.06	Apr	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irrig sys 9 fl WP	acin			1.00	Apr			16.64		0.054	0.40	6.0000			17.05
Irrig sys 9 fl WP	acin			1.00	May			13.87		0.045	0.33	5.0000			14.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.25	5.25	5.25
2,4-D-LV4	pt											1.0000	2.01	2.01	2.01
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	4.45	6.23	6.23
Nitrogen	lbs											63.0000	0.25	15.75	15.75
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig sys 9 fl WP	acin			1.00	Jun			22.19		0.072	0.54	8.0000			22.73
Airplane Fungicide	acre			0.40	Jun							0.4000	4.70	1.88	1.88
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Airplane Insect	acre			0.45	Jul							0.4500	4.27	1.92	1.92
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Irrig sys 9 fl WP	acin			1.00	Jul			22.19		0.072	0.54	8.0000			22.73
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							55.0500	0.93	51.19	51.19
Storage Rice	cwt											49.0000	0.45	22.05	22.05
TOTALS						20.83	15.05	118.29	65.25	2.618	21.12			251.97	492.54
INTEREST ON OPERATING CAPITAL															12.88
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															505.42

Table 6.A Estimated costs and returns per acre. Rice, water planted, tenant-operators, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	49.0000	343.00	
Land share rent	cwt	7.00	-9.8000	-68.60	
Water share rent	cwt	7.00	-9.8000	-68.60	
Rice checkoff	cwt	0.08	-29.4000	-2.35	
TOTAL INCOME				203.44	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane seed	cwt	5.03	1.4000	7.04	
Global Pos. System	acre	0.40	5.8500	2.34	
Airplane Stam	acre	5.23	2.0000	10.46	
Airplane 2,4-d	acre	5.25	1.0000	5.25	
Airplane Fert	cwt	4.45	1.4000	6.23	
Airplane Fungicide <u>b/</u>	acre	4.70	0.4000	1.88	
Airplane Insect <u>b/</u>	acre	4.27	0.4500	1.92	
Drying Rice <u>c/</u>	cwt	0.93	33.0300	30.71	
Storage Rice	cwt	0.45	29.4000	13.23	
FERTILIZER					
Nitrogen	lbs	0.25	72.0000	18.00	
Phosphate	lbs	0.19	30.6000	5.81	
Potash	lbs	0.15	30.6000	4.59	
FUNGICIDES					
Quadris	oz.	2.23	2.8800	6.42	
HERBICIDES					
Stam M4	qt	4.92	3.6000	17.71	
2,4-D-LV4	pt	2.01	0.6000	1.20	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	0.6300	10.74	
Methyl parathion 4E <u>b/</u>	pt	3.56	0.2700	0.96	
OTHER					
Plastic	sqft	0.05	13.5000	0.67	
SEED					
Rice seed	lbs	0.16	140.0000	22.40	
OPERATOR LABOR					
Tractors	hour	7.50	1.5933	11.95	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys. 10 fl WP	hour	7.50	0.3150	2.36	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	9.4217	11.02	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	3.79	1.0000	3.79	
Tractors	acre	9.81	1.0000	9.81	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irrig. sys. 10 fl WP	acre	5.91	1.0000	5.91	
INTEREST ON OP. CAP.	acre	7.92	1.0000	7.92	
TOTAL DIRECT EXPENSES				256.02	
RETURNS ABOVE DIRECT EXPENSES				-52.57	
FIXED EXPENSES					
Implements	acre	6.96	1.0000	6.96	
Tractors	acre	15.05	1.0000	15.05	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
TOTAL FIXED EXPENSES				48.24	
TOTAL SPECIFIED EXPENSES				304.26	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-100.81	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-163.44	

* Assumes a 1/5 crop share for land and a 1/5 crop share for water with landlord and waterlord each paying 1/5 of fertilizer, chemicals, drying and storage costs, and the waterlord paying all irrigation fuel costs.
a/ Includes estimated market income only.
b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.
c/ Drying cost charged on green weight.

Table 6.B Estimated resource use and costs per acre for field operations. Rice, water planted, tenant-operators, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Levee plow	8 Ft	143	0.050	3.00	Nov	2.60	1.88	0.23	0.60	0.165	1.23				6.55
Dozer blade	10ft	93	0.850	0.09	Nov	0.89	0.59	0.08	0.23	0.084	0.63				2.44
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	1.00	Feb	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Fertilizer Truck	acre			1.00	Mar							1.0000	3.95	3.95	3.95
Nitrogen	lbs											34.2000	0.25	8.55	8.55
Phosphate	lbs											30.6000	0.19	5.81	5.81
Potash	lbs											30.6000	0.15	4.59	4.59
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Dozer blade	10ft	93	0.850	0.06	Mar	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irrig. sys. 10 fl WP	acin			1.00	Mar			1.35		0.072	0.54	8.0000			1.89
Plastic	sqft											13.5000	0.05	0.67	0.67
Other labor	hour											0.6000	7.50	4.50	4.50
Water level	16 Ft	143	0.220	1.00	Mar	3.82	2.75	0.26	0.61	0.242	1.81				9.28
Drag	14 ft	143	0.130	1.00	Mar	2.26	1.62	0.05	0.07	0.143	1.07				5.10
Airplane seed	cwt			1.00	Apr							1.4000	5.03	7.04	7.04
Rice seed	lbs											140.0000	0.16	22.40	22.40
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Icon Treatment (wet)	cwt											0.6300	17.05	10.74	10.74
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											1.8000	4.92	8.85	8.85
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											1.8000	4.92	8.85	8.85
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.06	Apr	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irrig. sys. 10 fl WP	acin			1.00	Apr			1.01		0.054	0.40	6.0000			1.41
Irrig. sys. 10 fl WP	acin			1.00	May			0.84		0.045	0.33	5.0000			1.18
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.25	5.25	5.25
2,4-D-LV4	pt											0.6000	2.01	1.20	1.20
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	4.45	6.23	6.23
Nitrogen	lbs											37.8000	0.25	9.45	9.45
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 10 fl WP	acin			1.00	Jun			1.35		0.072	0.54	8.0000			1.89
Airplane Fungicide	acre			0.40	Jun							0.4000	4.70	1.88	1.88
Quadris	oz.											2.8800	2.23	6.42	6.42
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Airplane Insect	acre			0.45	Jul							0.4500	4.27	1.92	1.92
Methyl parathion 4E	pt											0.2700	3.56	0.96	0.96
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Irrig. sys. 10 fl WP	acin			1.00	Jul			1.35		0.072	0.54	8.0000			1.89
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							33.0300	0.93	30.71	30.71
Storage Rice	cwt											29.4000	0.45	13.23	13.23
TOTALS						20.83	15.05	27.09	33.18	2.618	21.12			179.04	296.34
INTEREST ON OPERATING CAPITAL															7.92
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															304.26

* Assumes a 1/5 crop share for land and a 1/5 crop share for water with landlord and waterlord each paying 1/5 of fertilizer, chemicals, drying and storage costs, and the waterlord paying all irrigation fuel costs.

Table 7.A Estimated costs and returns per acre. Rice, Water planted, Owner-Operators, "No till", Conv Tillage 1 out of 4 years, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	49.0000	343.00	
Rice checkoff	cwt	0.08	-49.0000	-3.92	

TOTAL INCOME				339.08	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane seed	cwt	5.03	1.4000	7.04	
Global Pos. System	acre	0.40	6.6000	2.64	
Airplane Fert	cwt	4.45	2.3495	10.45	
Airplane Stam	acre	5.23	2.0000	10.46	
Airplane 2,4-d	acre	5.25	1.0000	5.25	
Airplane Fungicide <u>b/</u>	acre	4.70	0.4000	1.88	
Airplane Insect <u>b/</u>	acre	4.27	0.4500	1.92	
Drying Rice <u>c/</u>	cwt	0.93	55.0500	51.19	
Storage Rice	cwt	0.45	49.0000	22.05	
FERTILIZER					
Nitrogen	lbs	0.25	120.0000	30.00	
Phosphate	lbs	0.19	51.0000	9.69	
Potash	lbs	0.15	51.0000	7.65	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Roundup Ultra	pt	4.68	0.7500	3.51	
Stam M4	qt	4.92	6.0000	29.52	
2,4-D-LV4	pt	2.01	1.0000	2.01	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	1.0500	17.90	
Methyl parathion 4E <u>b/</u>	pt	3.56	0.4500	1.60	
OTHER					
Plastic	sqft	0.05	13.5000	0.67	
SEED					
Rice seed	lbs	0.16	140.0000	22.40	
OPERATOR LABOR					
Tractors	hour	7.50	1.0379	7.78	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 9 fl CTWP	hour	7.50	0.2870	2.15	
OWNER LABOR					
Tractors	hour	12.00	0.4290	5.14	
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	9.5911	11.22	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irr sys 9 fl CTWP	gal	1.17	63.9149	74.78	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	3.15	1.0000	3.15	
Tractors	acre	9.50	1.0000	9.50	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irr sys 9 fl CTWP	acre	5.10	1.0000	5.10	
INTEREST ON OP. CAP.	acre	12.96	1.0000	12.96	

TOTAL DIRECT EXPENSES				416.03	
RETURNS ABOVE DIRECT EXPENSES				-76.95	
FIXED EXPENSES					
Implements	acre	8.09	1.0000	8.09	
Tractors	acre	14.77	1.0000	14.77	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irr sys 9 fl CTWP	acre	30.23	1.0000	30.23	

TOTAL FIXED EXPENSES				79.31	

TOTAL SPECIFIED EXPENSES				495.35	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-156.27	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
L&W, SWMP NT Rice <u>d/</u>	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-294.92	

a/ Includes estimated market income only.

b/ Pro-rated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 7.B Estimated resource use and costs per acre for field operations. Rice, Water planted, Owner-Operators, "No till",
Conv Tillage 1 out of 4 years, avg.cost/year Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	0.50	Nov	0.86	0.62	0.38	0.57	0.055	0.41				2.86
Laser Scraper	9 cu. yd	225	1.560	0.25	Nov	8.57	5.95	0.46	1.07	0.429	5.14				21.22
Laser Equipment		dblhitch	1.560	0.25	Nov			0.39	2.55						2.94
Levee plow	8 Ft	143	0.050	3.00	Nov	2.60	1.88	0.23	0.60	0.165	1.23				6.55
Dozer blade	10ft	93	0.850	0.02	Nov	0.22	0.14	0.02	0.05	0.021	0.15				0.61
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	0.25	Feb	0.43	0.31	0.19	0.28	0.027	0.20				1.43
Boom sprayer	30 ft	93	0.060	0.75	Mar	0.52	0.35	0.12	0.13	0.049	0.37				1.51
Roundup Ultra	pt											0.7500	4.68	3.51	3.51
Fertilizer Truck	acre			0.25	Mar							0.2500	3.95	0.98	0.98
Nitrogen	lbs											14.2500	0.25	3.56	3.56
Phosphate	lbs											12.7500	0.19	2.42	2.42
Potash	lbs											12.7500	0.15	1.91	1.91
Fertilizer Truck	acre			0.75	Mar							0.7500	3.95	2.96	2.96
Phosphate	lbs											38.2500	0.19	7.26	7.26
Potash	lbs											38.2500	0.15	5.73	5.73
Field cultivator	20 ft	143	0.090	0.25	Mar	0.39	0.28	0.08	0.12	0.024	0.18				1.07
Ditcher rotary	1.5 ft	93	0.050	0.25	Mar	0.14	0.09	0.02	0.04	0.013	0.10				0.41
Dozer blade	10ft	93	0.850	0.06	Mar	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irr sys 9 fl CTWP	acin			1.00	Mar			18.26	30.23	0.065	0.49	6.5600			48.98
Plastic	sqft											13.5000	0.05	0.67	0.67
Other labor	hour											0.6000	7.50	4.50	4.50
Water level	16 Ft	143	0.220	0.25	Mar	0.95	0.68	0.06	0.15	0.060	0.45				2.32
Drag	14 ft	93	0.130	0.25	Mar	0.38	0.25	0.01	0.01	0.035	0.26				0.93
Airplane seed	cwt			1.00	Apr							1.4000	5.03	7.04	7.04
Rice seed	lbs											140.0000	0.16	22.40	22.40
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Icon Treatment (wet)	cwt											1.0500	17.05	17.90	17.90
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Fert	cwt			0.75	Apr							0.9495	4.45	4.22	4.22
Nitrogen	lbs											42.7500	0.25	10.68	10.68
Global Pos. System	acre											0.7500	0.40	0.30	0.30
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.06	Apr	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irr sys 9 fl CTWP	acin			1.00	Apr			13.69		0.049	0.36	4.9200			14.06
Irr sys 9 fl CTWP	acin			1.00	May			11.41		0.041	0.30	4.1000			11.72
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.25	5.25	5.25
2,4-D-LV4	pt											1.0000	2.01	2.01	2.01
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	4.45	6.23	6.23
Nitrogen	lbs											63.0000	0.25	15.75	15.75
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTWP	acin			1.00	Jun			18.26		0.065	0.49	6.5600			18.75
Airplane Fungicide	acre			0.40	Jun							0.4000	4.70	1.88	1.88
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Airplane Insect	acre			0.45	Jul							0.4500	4.27	1.92	1.92
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Irr sys 9 fl CTWP	acin			1.00	Jul			18.26		0.065	0.49	6.5600			18.75
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							55.0500	0.93	51.19	51.19
Storage Rice	cwt											49.0000	0.45	22.05	22.05
TOTALS						20.72	14.77	100.43	64.54	2.463	21.89				482.38
INTEREST ON OPERATING CAPITAL															12.96
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															495.35

Table 8.A Estimated costs and returns per acre. Rice, Water planted, Owner-Operators, Stale Seedbed, Laser level 1 out of 4 years, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	49.0000	343.00	
Rice checkoff	cwt	0.08	-49.0000	-3.92	

TOTAL INCOME				339.08	
DIRECT EXPENSES					
CUSTOM					
Airplane seed	cwt	5.03	1.4000	7.04	
Global Pos. System	acre	0.40	6.8500	2.74	
Airplane Fert	cwt	4.45	2.6660	11.86	
Airplane Stam	acre	5.23	2.0000	10.46	
Airplane 2,4-d	acre	5.25	1.0000	5.25	
Airplane Fungicide <u>b/</u>	acre	4.70	0.4000	1.88	
Airplane Insect <u>b/</u>	acre	4.27	0.4500	1.92	
Drying Rice <u>c/</u>	cwt	0.93	55.0500	51.19	
Storage Rice	cwt	0.45	49.0000	22.05	
FERTILIZER					
Phosphate	lbs	0.19	51.0000	9.69	
Potash	lbs	0.15	51.0000	7.65	
Nitrogen	lbs	0.25	120.0000	30.00	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Roundup Ultra	pt	4.68	1.0000	4.68	
Stam M4	qt	4.92	6.0000	29.52	
2,4-D-LV4	pt	2.01	1.0000	2.01	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	1.0500	17.90	
Methyl parathion 4E <u>b/</u>	pt	3.56	0.4500	1.60	
OTHER					
Plastic	sqft	0.05	13.5000	0.67	
SEED					
Rice seed	lbs	0.16	140.0000	22.40	
OPERATOR LABOR					
Tractors	hour	7.50	1.1232	8.42	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 9 fl CTWP	hour	7.50	0.2870	2.15	
OWNER LABOR					
Tractors	hour	12.00	0.4290	5.14	
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	10.1379	11.86	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irr sys 9 fl CTWP	gal	1.17	63.9149	74.78	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	4.19	1.0000	4.19	
Tractors	acre	10.04	1.0000	10.04	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irr sys 9 fl CTWP	acre	5.10	1.0000	5.10	
INTEREST ON OP. CAP.	acre	13.16	1.0000	13.16	

TOTAL DIRECT EXPENSES				417.81	
RETURNS ABOVE DIRECT EXPENSES				-78.73	
FIXED EXPENSES					
Implements	acre	9.56	1.0000	9.56	
Tractors	acre	15.60	1.0000	15.60	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irr sys 9 fl CTWP	acre	30.23	1.0000	30.23	

TOTAL FIXED EXPENSES				81.62	

TOTAL SPECIFIED EXPENSES				499.43	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-160.35	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
L&W, SWWP SS Rice <u>d/</u>	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-299.00	

a/ Includes estimated market income only.

b/ Pro-rated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 8.B Estimated resource use and costs per acre for field operations. Rice, Water planted, Owner-Operators, Stale Seedbed, Laser level 1 out of 4 years, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	2.00	Nov	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Laser Scraper	9 cu. yd	225	1.560	0.25	Nov	8.57	5.95	0.46	1.07	0.429	5.14				21.22
Laser Equipment		dblhitch	1.560	0.25	Nov			0.39	2.55						2.94
Levee plow	8 Ft	143	0.050	3.00	Nov	2.60	1.88	0.23	0.60	0.165	1.23				6.55
Dozer blade	10ft	93	0.850	0.02	Nov	0.22	0.14	0.02	0.05	0.021	0.15				0.61
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Boom sprayer	30 ft	93	0.060	1.00	Mar	0.70	0.47	0.16	0.18	0.066	0.49				2.01
Roundup Ultra	pt											1.0000	4.68	4.68	4.68
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.70	0.47	0.22	0.34	0.066	0.49				2.23
Phosphate	lbs											51.0000	0.19	9.69	9.69
Potash	lbs											51.0000	0.15	7.65	7.65
Dozer blade	10ft	93	0.850	0.06	Mar	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irr sys 9 fl CTWP	acin			1.00	Mar			18.26	30.23	0.065	0.49	6.5600			48.98
Plastic	sqft											13.5000	0.05	0.67	0.67
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane seed	cwt			1.00	Apr							1.4000	5.03	7.04	7.04
Rice seed	lbs											140.0000	0.16	22.40	22.40
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Icon Treatment (wet)	cwt											1.0500	17.05	17.90	17.90
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Fert	cwt			1.00	Apr							1.2660	4.45	5.63	5.63
Nitrogen	lbs											57.0000	0.25	14.25	14.25
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.06	Apr	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irr sys 9 fl CTWP	acin			1.00	Apr			13.69		0.049	0.36	4.9200			14.06
Irr sys 9 fl CTWP	acin			1.00	May			11.41		0.041	0.30	4.1000			11.72
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.25	5.25	5.25
2,4-D-LV4	pt											1.0000	2.01	2.01	2.01
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	4.45	6.23	6.23
Nitrogen	lbs											63.0000	0.25	15.75	15.75
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTWP	acin			1.00	Jun			18.26		0.065	0.49	6.5600			18.75
Airplane Fungicide	acre			0.40	Jun							0.4000	4.70	1.88	1.88
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Airplane Insect	acre			0.45	Jul							0.4500	4.27	1.92	1.92
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Irr sys 9 fl CTWP	acin			1.00	Jul			18.26		0.065	0.49	6.5600			18.75
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							55.0500	0.93	51.19	51.19
Storage Rice	cwt											49.0000	0.45	22.05	22.05
TOTALS						21.90	15.60	101.47	66.01	2.549	22.53				486.27
INTEREST ON OPERATING CAPITAL															13.16
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															499.43

Table 9.A Estimated costs and returns per acre. Rice, Drill Planted, Owner-Operators, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	52.0000	364.00	
Rice checkoff	cwt	0.08	-52.0000	-4.16	
TOTAL INCOME				359.84	
DIRECT EXPENSES					
CUSTOM					
Airplane Stam	acre	5.23	2.0000	10.46	
Global Pos. System	acre	0.40	4.8500	1.94	
Airplane 2,4-d	acre	5.25	1.0000	5.25	
Airplane Fert	cwt	4.45	1.4000	6.23	
Airplane Fungicide <u>b/</u>	acre	4.70	0.4000	1.88	
Airplane Insect <u>b/</u>	acre	4.27	0.4500	1.92	
Drying Rice <u>c/</u>	cwt	0.93	58.4200	54.33	
Storage Rice	cwt	0.45	52.0000	23.40	
FERTILIZER					
Nitrogen	lbs	0.25	120.0000	30.00	
Phosphate	lbs	0.19	51.0000	9.69	
Potash	lbs	0.15	51.0000	7.65	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Stam M4	qt	4.92	6.0000	29.52	
2,4-D-LV4	pt	2.01	1.0000	2.01	
HIRED LABOR					
Other labor	hour	7.50	0.8000	6.00	
INSECTICIDES					
Icon Treatment(dry) <u>b/</u>	cwt	14.00	0.7125	9.97	
Methyl parathion 4E <u>b/</u>	pt	3.56	0.4500	1.60	
OTHER					
Plastic	sqft	0.05	13.5000	0.67	
SEED					
Rice seed	lbs	0.16	95.0000	15.20	
OPERATOR LABOR					
Tractors	hour	7.50	1.7919	13.43	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 9 fl DP	hour	7.50	0.2880	2.16	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	10.2884	12.03	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irr sys 9 fl DP	gal	1.17	71.2640	83.37	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	5.96	1.0000	5.96	
Tractors	acre	10.68	1.0000	10.68	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irr sys 9 fl DP	acre	5.50	1.0000	5.50	
INTEREST ON OP. CAP.	acre	11.25	1.0000	11.25	
TOTAL DIRECT EXPENSES				397.06	
RETURNS ABOVE DIRECT EXPENSES				-37.22	
FIXED EXPENSES					
Implements	acre	10.31	1.0000	10.31	
Tractors	acre	16.28	1.0000	16.28	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irr sys 9 fl DP	acre	31.20	1.0000	31.20	
TOTAL FIXED EXPENSES				84.02	
TOTAL SPECIFIED EXPENSES				481.09	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-121.25	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
L&W, SWDP Conv. Rice <u>d/</u> acre		65.00	1.0000	65.00	
RESIDUAL RETURNS				-259.90	

a/ Includes estimated market income only.

b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 9.B Estimated resource use and costs per acre for field operations. Rice, Drill Planted, Owner-Operators, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	2.00	Feb	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Ditcher rotary	1.5 ft	93	0.050	1.00	Feb	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.70	0.47	0.22	0.34	0.066	0.49				2.23
Nitrogen	lbs											57.0000	0.25	14.25	14.25
Phosphate	lbs											51.0000	0.19	9.69	9.69
Potash	lbs											51.0000	0.15	7.65	7.65
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Spike harrow	18 ft	dblhitch	0.080	1.00	Mar			0.07	0.10						0.17
Cultimulcher	12 Ft	dblhitch	0.160	1.00	Apr			0.43	0.74						1.17
Grain drill	12 ft	143	0.210	1.00	Apr	3.65	2.63	0.75	1.20	0.231	1.73				9.98
Rice seed	lbs											95.0000	0.16	15.20	15.20
Icon Treatment (dry)	cwt											0.7125	14.00	9.97	9.97
Levee plow	8 Ft	143	0.050	3.00	Apr	2.60	1.88	0.23	0.60	0.165	1.23				6.55
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Dozer blade	10ft	93	0.850	0.17	Apr	1.69	1.13	0.16	0.44	0.158	1.19				4.62
Irr sys 9 fl DP	acin			1.00	Apr			9.72	31.20	0.031	0.23	3.5000			41.15
Plastic	sqft											13.5000	0.05	0.67	0.67
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl DP	acin			1.00	Apr			9.72		0.031	0.23	3.5000			9.95
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.17	Apr	1.69	1.13	0.16	0.44	0.158	1.19				4.62
Irr sys 9 fl DP	acin			1.00	Apr			16.66		0.054	0.40	6.0000			17.07
Irr sys 9 fl DP	acin			1.00	May			13.88		0.045	0.33	5.0000			14.22
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.25	5.25	5.25
2,4-D-LV4	pt											1.0000	2.01	2.01	2.01
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	4.45	6.23	6.23
Nitrogen	lbs											63.0000	0.25	15.75	15.75
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl DP	acin			1.00	Jun			22.22		0.072	0.54	8.0000			22.76
Airplane Fungicide	acre			0.40	Jun							0.4000	4.70	1.88	1.88
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Airplane Insect	acre			0.45	Jul							0.4500	4.27	1.92	1.92
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Irr sys 9 fl DP	acin			1.00	Jul			16.66		0.054	0.40	6.0000			17.07
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							58.4200	0.93	54.33	54.33
Storage Rice	cwt											52.0000	0.45	23.40	23.40
TOTALS						22.72	16.28	112.23	67.73	2.789	22.40			228.43	469.83
INTEREST ON OPERATING CAPITAL															11.25
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															481.09

Table 10.A Estimated costs and returns per acre. Rice, Drill Planted, Tenant-Operators, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	52.0000	364.00	
Land share rent	cwt	7.00	-10.4000	-72.80	
Water share rent	cwt	7.00	-10.4000	-72.80	
Rice checkoff	cwt	0.08	-31.2000	-2.49	
TOTAL INCOME				215.90	
DIRECT EXPENSES					
CUSTOM					
Airplane Stam	acre	5.23	2.0000	10.46	
Global Pos. System	acre	0.40	4.8500	1.94	
Airplane 2,4-d	acre	5.25	1.0000	5.25	
Airplane Fert	cwt	4.45	1.4000	6.23	
Airplane Fungicide <u>b/</u>	acre	4.70	0.4000	1.88	
Airplane Insect <u>b/</u>	acre	4.27	0.4500	1.92	
Drying Rice <u>c/</u>	cwt	0.93	35.0500	32.59	
Storage Rice	cwt	0.45	31.2000	14.04	
FERTILIZER					
Nitrogen	lbs	0.25	72.0000	18.00	
Phosphate	lbs	0.19	30.6000	5.81	
Potash	lbs	0.15	30.6000	4.59	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	2.8800	6.42	
HERBICIDES					
Stam M4	qt	4.92	3.6000	17.71	
2,4-D-LV4	pt	2.01	0.6000	1.20	
HIRED LABOR					
Other labor	hour	7.50	0.8000	6.00	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	0.4275	7.28	
Methyl parathion 4E <u>b/</u>	pt	3.56	0.2700	0.96	
OTHER					
Plastic	sqft	0.05	13.5000	0.67	
SEED					
Rice seed	lbs	0.16	95.0000	15.20	
OPERATOR LABOR					
Tractors	hour	7.50	1.7919	13.43	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys. 10 fl DP	hour	7.50	0.2880	2.16	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	10.2884	12.03	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	5.96	1.0000	5.96	
Tractors	acre	10.68	1.0000	10.68	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irrig. sys. 10 fl DP	acre	5.50	1.0000	5.50	
INTEREST ON OP. CAP.	acre	6.84	1.0000	6.84	
TOTAL DIRECT EXPENSES				239.02	
RETURNS ABOVE DIRECT EXPENSES				-23.11	
FIXED EXPENSES					
Implements	acre	10.31	1.0000	10.31	
Tractors	acre	16.28	1.0000	16.28	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
TOTAL FIXED EXPENSES				52.82	
TOTAL SPECIFIED EXPENSES				291.84	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-75.94	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-138.57	

* Assumes a 1/5 crop share for land and a 1/5 crop share for water with landlord and waterlord each paying 1/5 of fertilizer, chemicals, drying and storage costs, and the waterlord paying all irrigation fuel costs.
a/ Includes estimated market income only.
b/ Pro-rated use based on expert opinion of percentage of rice acreage treated last year.
c/ Drying cost charged on green weight.

Table 10.B Estimated resource use and costs per acre for field operations. Rice, Drill Planted, Tenant-Operators, Southwest Louisiana, 2001

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	2.00	Feb	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Ditcher rotary	1.5 ft	93	0.050	1.00	Feb	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.70	0.47	0.22	0.34	0.066	0.49				2.23
Nitrogen	lbs											34.2000	0.25	8.55	8.55
Phosphate	lbs											30.6000	0.19	5.81	5.81
Potash	lbs											30.6000	0.15	4.59	4.59
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Spike harrow	18 ft	dblhitch	0.080	1.00	Mar			0.07	0.10						0.17
Cultimulcher	12 Ft	dblhitch	0.160	1.00	Apr			0.43	0.74						1.17
Grain drill	12 ft	143	0.210	1.00	Apr	3.65	2.63	0.75	1.20	0.231	1.73				9.98
Rice seed	lbs											95.0000	0.16	15.20	15.20
Icon Treatment (wet)	cwt											0.4275	17.05	7.28	7.28
Levee plow	8 Ft	143	0.050	3.00	Apr	2.60	1.88	0.23	0.60	0.165	1.23				6.55
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Dozer blade	10ft	93	0.850	0.17	Apr	1.69	1.13	0.16	0.44	0.158	1.19				4.62
Irrig. sys. 10 fl DP	acin			1.00	Apr			0.60		0.031	0.23	3.5000			0.83
Plastic	sqft											13.5000	0.05	0.67	0.67
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											1.8000	4.92	8.85	8.85
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 10 fl DP	acin			1.00	Apr			0.60		0.031	0.23	3.5000			0.83
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											1.8000	4.92	8.85	8.85
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.17	Apr	1.69	1.13	0.16	0.44	0.158	1.19				4.62
Irrig. sys. 10 fl DP	acin			1.00	Apr			1.03		0.054	0.40	6.0000			1.43
Irrig. sys. 10 fl DP	acin			1.00	May			0.86		0.045	0.33	5.0000			1.19
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.25	5.25	5.25
2,4-D-LV4	pt											0.6000	2.01	1.20	1.20
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	4.45	6.23	6.23
Nitrogen	lbs											37.8000	0.25	9.45	9.45
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 10 fl DP	acin			1.00	Jun			1.37		0.072	0.54	8.0000			1.91
Airplane Fungicide	acre			0.40	Jun							0.4000	4.70	1.88	1.88
Quadris	oz.											2.8800	2.23	6.42	6.42
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Airplane Insect	acre			0.45	Jul							0.4500	4.27	1.92	1.92
Methyl parathion 4E	pt											0.2700	3.56	0.96	0.96
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Irrig. sys. 10 fl DP	acin			1.00	Jul			1.03		0.054	0.40	6.0000			1.43
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							35.0500	0.93	32.59	32.59
Storage Rice	cwt											31.2000	0.45	14.04	14.04
TOTALS						22.72	16.28	28.85	36.53	2.789	22.40			158.18	285.00
INTEREST ON OPERATING CAPITAL															6.84
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															291.84

* Assumes a 1/5 crop share for land and a 1/5 crop share for water with landlord and waterlord each paying 1/5 of fertilizer, chemicals, drying and storage costs, and the waterlord paying all irrigation fuel costs.

Table 11.A Estimated costs and returns per acre, Rice, Drill planted, Owner-Operators, "No till", (Conv. Tillage on 25% of each acre), Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	52.0000	364.00	
Rice checkoff	cwt	0.08	-52.0000	-4.16	
TOTAL INCOME				359.84	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.45	2.3495	10.45	
Global Pos. System	acre	0.40	5.6000	2.24	
Airplane Stam	acre	5.23	2.0000	10.46	
Airplane 2,4-d	acre	5.25	1.0000	5.25	
Airplane Fungicide <u>b/</u>	acre	4.70	0.4000	1.88	
Airplane Insect <u>b/</u>	acre	4.27	0.4500	1.92	
Drying Rice <u>c/</u>	cwt	0.93	58.4200	54.33	
Storage Rice	cwt	0.45	52.0000	23.40	
FERTILIZER					
Nitrogen	lbs	0.25	120.0000	30.00	
Phosphate	lbs	0.19	51.0000	9.69	
Potash	lbs	0.15	51.0000	7.65	
FUNGICIDES					
Quadris <u>d/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Roundup Ultra	pt	4.68	0.7500	3.51	
Stam M4	qt	4.92	6.0000	29.52	
2,4-D-LV4	pt	2.01	1.0000	2.01	
HIRED LABOR					
Other labor	hour	7.50	0.8000	6.00	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	0.7125	12.14	
Methyl parathion 4E <u>b/</u>	pt	3.56	0.4500	1.60	
OTHER					
Plastic	sqft	0.05	13.5000	0.67	
SEED					
Rice seed	lbs	0.16	95.0000	15.20	
OPERATOR LABOR					
Tractors	hour	7.50	1.3615	10.21	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 9 fl CTD	hour	7.50	0.3066	2.30	
OWNER LABOR					
Tractors	hour	12.00	0.4290	5.14	
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	11.5338	13.49	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irr sys 9 fl CTD	gal	1.17	62.0887	72.64	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	5.34	1.0000	5.34	
Tractors	acre	11.42	1.0000	11.42	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irr sys 9 fl CTD	acre	4.99	1.0000	4.99	
INTEREST ON OP. CAP.	acre	11.74	1.0000	11.74	
TOTAL DIRECT EXPENSES				400.15	
RETURNS ABOVE DIRECT EXPENSES				-40.31	
FIXED EXPENSES					
Implements	acre	11.84	1.0000	11.84	
Tractors	acre	17.69	1.0000	17.69	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irr sys 9 fl CTD	acre	29.99	1.0000	29.99	
TOTAL FIXED EXPENSES				85.75	
TOTAL SPECIFIED EXPENSES				485.90	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-126.06	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
L&W, SWDP NT Rice <u>d/</u>	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-264.71	

a/ Includes estimated market income only.

b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 11.B Estimated resource use and costs per acre for field operations. Rice, Drill planted, Owner-Operators, "No till", (Conv. Tillage on 25% of each acre), Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	0.50	Nov	0.86	0.62	0.38	0.57	0.055	0.41				2.86
Laser Scraper	9 cu. yd	225	1.560	0.25	Nov	8.57	5.95	0.46	1.07	0.429	5.14				21.22
Laser Equipment		dblhitch	1.560	0.25	Nov			0.39	2.55						2.94
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	0.50	Feb	0.86	0.62	0.38	0.57	0.055	0.41				2.86
Ditcher rotary	1.5 ft	93	0.050	0.25	Feb	0.14	0.09	0.02	0.04	0.013	0.10				0.41
Fertilizer buggy	30 ft	93	0.060	0.25	Mar	0.17	0.11	0.05	0.08	0.016	0.12				0.55
Nitrogen	lbs											14.2500	0.25	3.56	3.56
Phosphate	lbs											12.7500	0.19	2.42	2.42
Potash	lbs											12.7500	0.15	1.91	1.91
Fertilizer buggy	30 ft	93	0.060	0.75	Mar	0.52	0.35	0.17	0.25	0.049	0.37				1.67
Phosphate	lbs											38.2500	0.19	7.26	7.26
Potash	lbs											38.2500	0.15	5.73	5.73
Field cultivator	20 ft	143	0.090	0.25	Mar	0.39	0.28	0.08	0.12	0.024	0.18				1.07
Spike harrow (dbl)	18 ft	dblhitch	0.080	0.25	Mar			0.01	0.02						0.04
Cultimulcher	12 Ft	dblhitch	0.160	0.25	Apr			0.10	0.18						0.29
Grain drill	12 ft	143	0.210	0.25	Apr	0.91	0.65	0.18	0.30	0.057	0.43				2.49
Rice seed	lbs											23.7500	0.16	3.80	3.80
Icon Treatment (wet) cwt												0.1781	17.05	3.03	3.03
No till drill (15)	15 ft	143	0.145	0.75	Apr	1.89	1.36	1.25	2.17	0.119	0.89				7.57
Rice seed	lbs											71.2500	0.16	11.40	11.40
Icon Treatment (wet) cwt												0.5343	17.05	9.11	9.11
Mtd. Boom Sprayer	15 ft.	dblhitch	0.145	0.75	Apr			0.17	0.20						0.37
Roundup Ultra	pt											0.7500	4.68	3.51	3.51
Levee plow	8 Ft	143	0.050	3.00	Apr	2.60	1.88	0.23	0.60	0.165	1.23				6.55
Ditcher rotary	1.5 ft	93	0.050	0.25	Apr	0.14	0.09	0.02	0.04	0.013	0.10				0.41
Dozer blade	10ft	93	0.850	0.17	Apr	1.69	1.13	0.16	0.44	0.158	1.19				4.62
Airplane Fert	cwt			0.75	Apr							0.9495	4.45	4.22	4.22
Nitrogen	lbs											42.7500	0.25	10.68	10.68
Global Pos. System	acre											0.7500	0.40	0.30	0.30
Irr sys 9 fl CTD	acin			1.00	Apr			7.99	29.99	0.031	0.23	2.8700			38.21
Plastic	sqft											13.5000	0.05	0.67	0.67
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTD	acin			1.00	Apr			7.99		0.031	0.23	2.8700			8.22
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.17	Apr	1.69	1.13	0.16	0.44	0.158	1.19				4.62
Irr sys 9 fl CTD	acin			1.00	Apr			13.70		0.054	0.40	4.9200			14.10
Irr sys 9 fl CTD	acin			1.00	May			11.41		0.045	0.33	4.1000			11.75
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.25	5.25	5.25
2,4-D-LV4	pt											1.0000	2.01	2.01	2.01
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	4.45	6.23	6.23
Nitrogen	lbs											63.0000	0.25	15.75	15.75
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTD	acin			1.00	Jun			18.26		0.072	0.54	6.5600			18.80
Airplane Fungicide	acre			0.40	Jun							0.4000	4.70	1.88	1.88
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Airplane Insect	acre			0.45	Jul							0.4500	4.27	1.92	1.92
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Irr sys 9 fl CTD	acin			1.00	Jul			18.26		0.072	0.54	6.5600			18.80
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							58.4200	0.93	54.33	54.33
Storage Rice	cwt											52.0000	0.45	23.40	23.40
TOTALS						24.92	17.69	100.37	68.06	2.807	24.46			238.64	474.16
INTEREST ON OPERATING CAPITAL															11.74
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															485.90

Table 12.A Estimated costs and returns per acre. Rice, Drill planted, Owner-Operators, Stale Seedbed, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	52.0000	364.00	
Rice checkoff	cwt	0.08	-52.0000	-4.16	
TOTAL INCOME				359.84	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.45	2.6660	11.86	
Global Pos. System	acre	0.40	5.8500	2.34	
Airplane Stam	acre	5.23	2.0000	10.46	
Airplane 2,4-d	acre	5.25	1.0000	5.25	
Airplane Fungicide <u>b/</u>	acre	4.70	0.4000	1.88	
Airplane Insect <u>b/</u>	acre	4.27	0.4500	1.92	
Drying Rice <u>c/</u>	cwt	0.93	58.4200	54.33	
Storage Rice	cwt	0.45	52.0000	23.40	
FERTILIZER					
Phosphate	lbs	0.19	51.0000	9.69	
Potash	lbs	0.15	51.0000	7.65	
Nitrogen	lbs	0.25	120.0000	30.00	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Roundup Ultra	pt	4.68	1.0000	4.68	
Stam M4	qt	4.92	6.0000	29.52	
2,4-D-LV4	pt	2.01	1.0000	2.01	
HIRED LABOR					
Other labor	hour	7.50	0.8000	6.00	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	0.7125	12.14	
Methyl parathion 4E <u>b/</u>	pt	3.56	0.4500	1.60	
OTHER					
Plastic	sqft	0.05	13.5000	0.67	
SEED					
Rice seed	lbs	0.16	95.0000	15.20	
OPERATOR LABOR					
Tractors	hour	7.50	1.4014	10.51	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 9 fl CTD	hour	7.50	0.3066	2.30	
OWNER LABOR					
Tractors	hour	12.00	0.4290	5.14	
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	11.8949	13.91	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irr sys 9 fl CTD	gal	1.17	62.0887	72.64	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	6.13	1.0000	6.13	
Tractors	acre	11.77	1.0000	11.77	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irr sys 9 fl CTD	acre	4.99	1.0000	4.99	
INTEREST ON OP. CAP.	acre	12.07	1.0000	12.07	
TOTAL DIRECT EXPENSES				405.02	
RETURNS ABOVE DIRECT EXPENSES				-45.18	
FIXED EXPENSES					
Implements	acre	13.06	1.0000	13.06	
Tractors	acre	18.26	1.0000	18.26	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irr sys 9 fl CTD	acre	29.99	1.0000	29.99	
TOTAL FIXED EXPENSES				87.53	
TOTAL SPECIFIED EXPENSES				492.56	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-132.72	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
L&W, SWDP, SS Rice <u>d/</u>	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-271.37	

a/ Includes estimated market income only.

b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 12.B Estimated resource use and costs per acre for field operations. Rice, Drill planted, Owner-Operators, Stale Seedbed, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	2.00	Nov	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Laser Scraper	9 cu. yd	225	1.560	0.25	Nov	8.57	5.95	0.46	1.07	0.429	5.14				21.22
Laser Equipment		dblhitch	1.560	0.25	Nov			0.39	2.55						2.94
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.70	0.47	0.22	0.34	0.066	0.49				2.23
Phosphate	lbs											51.0000	0.19	9.69	9.69
Potash	lbs											51.0000	0.15	7.65	7.65
No till drill (15)	15 ft	143	0.145	1.00	Apr	2.52	1.81	1.67	2.89	0.159	1.19				10.10
Rice seed	lbs											95.0000	0.16	15.20	15.20
Icon Treatment (wet)	cwt											0.7125	17.05	12.14	12.14
Mtd. Boom Sprayer	15 ft.	dblhitch	0.145	1.00	Apr			0.23	0.26						0.50
Roundup Ultra	pt											1.0000	4.68	4.68	4.68
Levee plow	8 Ft	143	0.050	3.00	Apr	2.60	1.88	0.23	0.60	0.165	1.23				6.55
Dozer blade	10ft	93	0.850	0.17	Apr	1.69	1.13	0.16	0.44	0.158	1.19				4.62
Irr sys 9 fl CTD	acin			1.00	Apr			7.99	29.99	0.031	0.23	2.8700			38.21
Plastic	sqft											13.5000	0.05	0.67	0.67
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Fert	cwt			1.00	Apr							1.2660	4.45	5.63	5.63
Nitrogen	lbs											57.0000	0.25	14.25	14.25
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTD	acin			1.00	Apr			7.99		0.031	0.23	2.8700			8.22
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											3.0000	4.92	14.76	14.76
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.17	Apr	1.69	1.13	0.16	0.44	0.158	1.19				4.62
Irr sys 9 fl CTD	acin			1.00	Apr			13.70		0.054	0.40	4.9200			14.10
Irr sys 9 fl CTD	acin			1.00	May			11.41		0.045	0.33	4.1000			11.75
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.25	5.25	5.25
2,4-D-LV4	pt											1.0000	2.01	2.01	2.01
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	4.45	6.23	6.23
Nitrogen	lbs											63.0000	0.25	15.75	15.75
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTD	acin			1.00	Jun			18.26		0.072	0.54	6.5600			18.80
Airplane Fungicide	acre			0.40	Jun							0.4000	4.70	1.88	1.88
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Airplane Insect	acre			0.45	Jul							0.4500	4.27	1.92	1.92
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Irr sys 9 fl CTD	acin			1.00	Jul			18.26		0.072	0.54	6.5600			18.80
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							58.4200	0.93	54.33	54.33
Storage Rice	cwt											52.0000	0.45	23.40	23.40
TOTALS						25.69	18.26	101.16	69.27	2.847	24.76			241.32	480.48
INTEREST ON OPERATING CAPITAL															12.07
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															492.56

Table 13.A Estimated costs and returns per acre. Rice, Second Cutting, Owner-operators, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	16.0000	112.00	
Rice checkoff	cwt	0.08	-16.0000	-1.28	
TOTAL INCOME				110.72	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.45	1.2220	5.43	
Global Pos. System	acre	0.40	1.0000	0.40	
Drying Rice <u>b/</u>	cwt	0.93	17.9800	16.72	
FERTILIZER					
Nitrogen	lbs	0.25	55.0000	13.75	
HIRED LABOR					
Other labor	hour	7.50	0.2000	1.50	
OPERATOR LABOR					
Tractors	hour	7.50	0.2761	2.07	
Self-Propelled Eq.	hour	7.50	0.0800	0.60	
IRRIGATION LABOR					
Irrig. sys. 12second	hour	7.50	0.0900	0.67	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.1760	2.11	
DIESEL FUEL					
Tractors	gal	1.17	1.3554	1.58	
Self-Propelled Eq.	gal	1.17	1.3760	1.60	
Irrig. sys. 12second	gal	1.17	22.2700	26.05	
GASOLINE					
Self-Propelled Eq.	gal	1.43	0.4000	0.57	
REPAIR & MAINTENANCE					
Implements	acre	0.54	1.0000	0.54	
Tractors	acre	1.35	1.0000	1.35	
Self-Propelled Eq.	acre	5.65	1.0000	5.65	
Irrig. sys. 12second	acre	1.69	1.0000	1.69	
INTEREST ON OP. CAP.	acre	1.82	1.0000	1.82	
TOTAL DIRECT EXPENSES				84.16	
RETURNS ABOVE DIRECT EXPENSES				26.55	
FIXED EXPENSES					
Implements	acre	1.20	1.0000	1.20	
Tractors	acre	1.96	1.0000	1.96	
Self-Propelled Eq.	acre	12.49	1.0000	12.49	
Irrig. sys. 12second	acre	2.93	1.0000	2.93	
TOTAL FIXED EXPENSES				18.59	
TOTAL SPECIFIED EXPENSES				102.75	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				7.96	
ALLOCATED COST ITEMS					
L&W SW Ratoon Rice <u>c/</u>	acre	21.00	1.0000	21.00	
RESIDUAL RETURNS				-12.65	

a/ Includes estimated market income only.

b/ Drying cost charged on green weight.

c/ This charge represents an opportunity cost of land to an owner/operator.

Table 13.B Estimated resource use and costs per acre for field operations. Rice, Second Cutting, Owner-operators, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Dozer blade	10ft	93	0.850	0.06	Aug	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irrig. sys. 12second	acin			1.00	Aug			19.42	2.05	0.063	0.47	7.0000			21.94
Airplane Fert	cwt			1.00	Sep							1.2220	4.45	5.43	5.43
Nitrogen	lbs											55.0000	0.25	13.75	13.75
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 12second	acin			1.00	Sep			8.32	0.87	0.027	0.20	3.0000			9.40
Other labor	hour			1.00	Sep							0.2000	7.50	1.50	1.50
Combine Rice	second		0.160	1.00	Oct			6.88	11.52	0.176	2.11				20.53
Grain cart	450 bu	93	1.000	0.20	Oct	2.34	1.56	0.48	1.04	0.220	1.65				7.09
Truck	5 ton		1.000	0.08	Oct			0.94	0.96	0.080	0.60				2.51
Drying Rice	cwt			1.00	Nov							17.9800	0.93	16.72	16.72
TOTALS						2.94	1.96	36.12	16.62	0.622	5.45				100.92
INTEREST ON OPERATING CAPITAL														37.80	1.82
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															102.75

Table 14.A Estimated costs and returns per acre. Rice, second cutting, Tenant operators, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME a/					
Rice	cwt	7.00	16.0000	112.00	
Rice checkoff	cwt	0.08	-9.6000	-0.76	
Land share rent	cwt	7.00	-3.2000	-22.40	
Water share rent	cwt	7.00	-3.2000	-22.40	
TOTAL INCOME				66.43	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.45	1.2220	5.43	
Global Pos. System	acre	0.40	1.0000	0.40	
Drying Rice b/	cwt	0.93	10.7860	10.03	
FERTILIZER					
Nitrogen	lbs	0.25	33.0000	8.25	
HIRED LABOR					
Other labor	hour	7.50	0.2000	1.50	
OPERATOR LABOR					
Tractors	hour	7.50	0.2761	2.07	
Self-Propelled Eq.	hour	7.50	0.0800	0.60	
IRRIGATION LABOR					
Irrig. sys. 10 fl WP	hour	7.50	0.0900	0.67	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.1760	2.11	
DIESEL FUEL					
Tractors	gal	1.17	1.3554	1.58	
Self-Propelled Eq.	gal	1.17	1.3760	1.60	
GASOLINE					
Self-Propelled Eq.	gal	1.43	0.4000	0.57	
REPAIR & MAINTENANCE					
Implements	acre	0.54	1.0000	0.54	
Tractors	acre	1.35	1.0000	1.35	
Self-Propelled Eq.	acre	5.65	1.0000	5.65	
Irrig. sys. 10 fl WP	acre	1.69	1.0000	1.69	
INTEREST ON OP. CAP.	acre	0.82	1.0000	0.83	
TOTAL DIRECT EXPENSES				44.91	
RETURNS ABOVE DIRECT EXPENSES				21.51	
FIXED EXPENSES					
Implements	acre	1.20	1.0000	1.20	
Tractors	acre	1.96	1.0000	1.96	
Self-Propelled Eq.	acre	12.49	1.0000	12.49	
TOTAL FIXED EXPENSES				15.66	
TOTAL SPECIFIED EXPENSES				60.58	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				5.84	

* Assumes a 1/5 crop share for land and a 1/5 crop share for water with landlord and waterlord each paying 1/5 of fertilizer, chemicals, drying and storage costs, and the waterlord paying all irrigation fuel costs.
a/ Includes estimated market income only.
b/ Drying cost charged on green weight.

Table 14.B Estimated resource use and costs per acre for field operations. Rice, second cutting, tenant operators, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars				dollars		dollars			
Dozer blade	10ft	93	0.850	0.06	Aug	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irrig. sys. 10 fl WP	acin			1.00	Aug			1.18		0.063	0.47	7.0000			1.65
Airplane Fert	cwt			1.00	Sep							1.2220	4.45	5.43	5.43
Nitrogen	lbs											33.0000	0.25	8.25	8.25
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 10 fl WP	acin			1.00	Sep			0.50		0.027	0.20	3.0000			0.70
Other labor	hour			1.00	Sep							0.2000	7.50	1.50	1.50
Combine Rice second	25 Ft		0.160	1.00	Oct			6.88	11.52	0.176	2.11				20.53
Grain cart	450 bu	93	1.000	0.20	Oct	2.34	1.56	0.48	1.04	0.220	1.65				7.09
Truck	5 ton		1.000	0.08	Oct			0.94	0.96	0.080	0.60				2.51
Drying Rice	cwt			1.00	Nov							10.7860	0.93	10.03	10.03
TOTALS						2.94	1.96	10.06	13.69	0.622	5.45			25.61	59.75
INTEREST ON OPERATING CAPITAL															0.83
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															60.58

TABLE 15 Projects Costs and Returns per Acre, Rice, Landlord Share,
Southwest Louisiana, 2001.

Item	Drill Planted	Water Planted
Gross Receipts from Rice Production <u>a/</u>	72.80	68.60
Nitrogen	6.00	6.00
Phosphate	1.93	1.93
Potash	1.53	1.53
Herbicide	6.30	6.30
Insecticide <u>b/</u>	2.31	3.90
Fungicide <u>b/</u>	2.14	2.14
Interest on Operating Capital	0.90	0.94
Drying <u>c/</u>	10.65	10.03
Storage	4.59	4.32
Rice Checkoff	0.83	0.78
Total Direct Costs	37.18	37.87
Returns Above Direct Costs	35.62	30.73
Total Fixed Costs	0.00	0.00
Total Specified Costs	37.18	37.87
Net Returns to Land Investment	35.62	30.73

* Rental arrangement of 1/5 crop share with landlord paying 1/5 of fertilizer, chemicals, drying and storage costs.

a/ Includes estimated market income only.

b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

TABLE 16 Projects Costs and Returns per Acre, Rice, Waterlord Share, Southwest Louisiana, 2001.

Item	Drill Planted	Water Planted
Gross Receipts from Rice Production <u>a/</u>	72.80	68.60
Nitrogen	6.00	6.00
Phosphate	1.93	1.93
Potash	1.53	1.53
Herbicide	6.30	6.30
Insecticide <u>b/</u>	2.31	3.90
Fungicide <u>b/</u>	2.14	2.14
Irrigation Fuel	83.37	91.19
Interest on Operating Capital	3.53	3.94
Drying <u>c/</u>	10.65	10.03
Storage	4.59	4.32
Rice Checkoff	0.83	0.78
Total Direct Costs	123.18	132.06
Returns Above Direct Costs	-50.38	-63.46
Total Fixed Costs	31.20	32.07
Total Specified Costs	160.36	164.13
Net Returns to Land Investment	-87.56	-95.53

* Rental arrangement of 1/5 crop share with waterlord paying 1/5 of fertilizer, chemicals, drying and storage costs and all irrigation fuels costs.

a/ Includes estimated market income only.

b/ Prorated use based one expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

Table 17.A Estimated costs and returns per acre. Soybeans,
6 row (30") equip., owner-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	5.25	25.5000	133.87	_____
TOTAL INCOME				133.87	_____
DIRECT EXPENSES					
CUSTOM					
Airplane Insect	acre	4.27	1.0000	4.27	_____
Global Pos. System	acre	0.40	1.0000	0.40	_____
Storage Soybeans	bu	0.20	25.5000	5.10	_____
FERTILIZER					
Phosphate	lbs	0.19	42.5000	8.07	_____
Potash	lbs	0.15	85.0000	12.75	_____
HERBICIDES					
Dual 8E	pt	7.16	2.0000	14.32	_____
Classic	oz	11.06	0.5000	5.53	_____
Surfactant	pt	1.50	0.4000	0.60	_____
HIRED LABOR					
Other labor	hour	7.50	0.2960	2.22	_____
INSECTICIDES					
Methyl parathion 4E	pt	3.56	1.0000	3.56	_____
SEED					
Soybean seed	lbs	0.30	50.0000	15.00	_____
OPERATOR LABOR					
Tractors	hour	7.50	1.2408	9.30	_____
Self-Propelled Eq.	hour	7.50	0.2500	1.87	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	_____
DIESEL FUEL					
Tractors	gal	1.17	7.3488	8.59	_____
Self-Propelled Eq.	gal	1.17	1.4910	1.74	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	_____
REPAIR & MAINTENANCE					
Implements	acre	4.57	1.0000	4.57	_____
Tractors	acre	6.99	1.0000	6.99	_____
Self-Propelled Eq.	acre	7.45	1.0000	7.45	_____
INTEREST ON OP. CAP.	acre	5.16	1.0000	5.16	_____
TOTAL DIRECT EXPENSES				122.10	_____
RETURNS ABOVE DIRECT EXPENSES				11.77	_____
FIXED EXPENSES					
Implements	acre	6.85	1.0000	6.85	_____
Tractors	acre	10.44	1.0000	10.44	_____
Self-Propelled Eq.	acre	16.78	1.0000	16.78	_____
TOTAL FIXED EXPENSES				34.07	_____
TOTAL SPECIFIED EXPENSES				156.18	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-22.30	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	_____
Land, SW Sbean, 6 row <u>a</u> /acre	acre	30.00	1.0000	30.00	_____
RESIDUAL RETURNS				-125.95	_____

a/ This charge represents an opportunity cost of land to an owner/operator.

Table 17.B Estimated resource use and costs per acre for field operations. Soybeans, 6 row (30") equip., owner-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Land level	13 ft	143	0.190	0.20	Nov	0.66	0.47	0.06	0.14	0.041	0.31				1.65
Ditcher side	1.5 ft	68	0.050	1.00	Nov	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Disk	20 ft	143	0.100	1.00	Apr	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Other labor	hour											0.1100	7.50	0.82	0.82
Fertilizer buggy	30 ft	93	0.060	1.00	Apr	0.70	0.47	0.22	0.34	0.066	0.49				2.23
Phosphate	lbs											42.5000	0.19	8.07	8.07
Potash	lbs											85.0000	0.15	12.75	12.75
Field cultivator	20 ft	143	0.090	1.00	Apr	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Spike harrow	18 ft	dblhitch	0.080	1.00	Apr			0.07	0.10						0.17
Boom sprayer	30 ft	68	0.060	1.00	May	0.50	0.23	0.16	0.18	0.066	0.49				1.58
Dual 8E	pt											2.0000	7.16	14.32	14.32
Planter	6row 30"	93	0.140	1.00	May	1.64	1.09	1.01	1.61	0.154	1.15				6.51
Soybean seed	lbs											50.0000	0.30	15.00	15.00
Boom sprayer	30 ft	68	0.060	1.00	Jun	0.50	0.23	0.16	0.18	0.066	0.49				1.58
Classic	oz											0.5000	11.06	5.53	5.53
Surfactant	pt											0.4000	1.50	0.60	0.60
Cultivator	6-Row30"	143	0.140	1.00	Jun	2.43	1.75	0.32	0.49	0.154	1.15				6.16
Ditcher side	1.5 ft	68	0.050	1.00	Jun	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Other labor	hour											0.0930	7.50	0.69	0.69
Cultivator	6-Row30"	143	0.140	1.00	Jul	2.43	1.75	0.32	0.49	0.154	1.15				6.16
Airplane Insect	acre			1.00	Jul							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.0000	3.56	3.56	3.56
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Ditcher side	1.5 ft	68	0.050	1.00	Jul	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Other labor	hour											0.0930	7.50	0.69	0.69
Combine medium	20 Ft		0.210	1.00	Oct			8.04	13.75	0.231	2.77				24.57
Truck	5 ton		1.000	0.25	Oct			2.94	3.02	0.250	1.87				7.84
Storage Soybeans	bu			1.00	Oct							25.5000	0.20	5.10	5.10
TOTALS						15.59	10.44	15.56	23.63	1.721	13.95			71.82	151.02
INTEREST ON OPERATING CAPITAL															5.16
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															156.18

Table 18.A Estimated costs and returns per acre. Soybeans,
6 row (30") equip., tenant-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	5.25	25.5000	133.87	
Land share rent	bu	5.20	-5.1000	-26.52	

TOTAL INCOME				107.35	
DIRECT EXPENSES					
CUSTOM					
Airplane Insect	acre	4.27	1.0000	4.27	
Global Pos. System	acre	0.40	1.0000	0.40	
Storage Soybeans	bu	0.20	20.4000	4.08	
FERTILIZER					
Phosphate	lbs	0.19	42.5000	8.07	
Potash	lbs	0.15	85.0000	12.75	
HERBICIDES					
Dual 8E	pt	7.16	2.0000	14.32	
Classic	oz	11.06	0.5000	5.53	
Surfactant	pt	1.50	0.4000	0.60	
HIRED LABOR					
Other labor	hour	7.50	0.2960	2.22	
INSECTICIDES					
Methyl parathion 4E	pt	3.56	1.0000	3.56	
SEED					
Soybean seed	lbs	0.30	50.0000	15.00	
OPERATOR LABOR					
Tractors	hour	7.50	1.2408	9.30	
Self-Propelled Eq.	hour	7.50	0.2500	1.87	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	
DIESEL FUEL					
Tractors	gal	1.17	7.3488	8.59	
Self-Propelled Eq.	gal	1.17	1.4910	1.74	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	
REPAIR & MAINTENANCE					
Implements	acre	4.57	1.0000	4.57	
Tractors	acre	6.99	1.0000	6.99	
Self-Propelled Eq.	acre	7.45	1.0000	7.45	
INTEREST ON OP. CAP.	acre	5.15	1.0000	5.15	

TOTAL DIRECT EXPENSES				121.07	
RETURNS ABOVE DIRECT EXPENSES				-13.71	
FIXED EXPENSES					
Implements	acre	6.85	1.0000	6.85	
Tractors	acre	10.44	1.0000	10.44	
Self-Propelled Eq.	acre	16.78	1.0000	16.78	

TOTAL FIXED EXPENSES				34.07	

TOTAL SPECIFIED EXPENSES				155.15	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-47.79	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-110.42	

* Assumes a 1/5 crop share for land with landlord paying 1/5 of drying and storage costs.

Table 18.B Estimated resource use and costs per acre for field operations. Soybeans, 6 row (30") equip., tenant-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Land level	13 ft	143	0.190	0.20	Nov	0.66	0.47	0.06	0.14	0.041	0.31				1.65
Ditcher side	1.5 ft	68	0.050	1.00	Nov	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Disk	20 ft	143	0.100	1.00	Apr	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Other labor	hour											0.1100	7.50	0.82	0.82
Fertilizer buggy	30 ft	93	0.060	1.00	Apr	0.70	0.47	0.22	0.34	0.066	0.49				2.23
Phosphate	lbs											42.5000	0.19	8.07	8.07
Potash	lbs											85.0000	0.15	12.75	12.75
Field cultivator	20 ft	143	0.090	1.00	Apr	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Spike harrow	18 ft	dblhitch	0.080	1.00	Apr			0.07	0.10						0.17
Boom sprayer	30 ft	68	0.060	1.00	May	0.50	0.23	0.16	0.18	0.066	0.49				1.58
Dual 8E	pt											2.0000	7.16	14.32	14.32
Planter	6row 30"	93	0.140	1.00	May	1.64	1.09	1.01	1.61	0.154	1.15				6.51
Soybean seed	lbs											50.0000	0.30	15.00	15.00
Boom sprayer	30 ft	68	0.060	1.00	Jun	0.50	0.23	0.16	0.18	0.066	0.49				1.58
Classic	oz											0.5000	11.06	5.53	5.53
Surfactant	pt											0.4000	1.50	0.60	0.60
Cultivator	6-Row30"	143	0.140	1.00	Jun	2.43	1.75	0.32	0.49	0.154	1.15				6.16
Ditcher side	1.5 ft	68	0.050	1.00	Jun	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Other labor	hour											0.0930	7.50	0.69	0.69
Cultivator	6-Row30"	143	0.140	1.00	Jul	2.43	1.75	0.32	0.49	0.154	1.15				6.16
Airplane Insect	acre			1.00	Jul							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.0000	3.56	3.56	3.56
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Ditcher side	1.5 ft	68	0.050	1.00	Jul	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Other labor	hour											0.0930	7.50	0.69	0.69
Combine medium	20 Ft		0.210	1.00	Oct			8.04	13.75	0.231	2.77				24.57
Truck	5 ton		1.000	0.25	Oct			2.94	3.02	0.250	1.87				7.84
Storage Soybeans	bu			1.00	Oct							20.4000	0.20	4.08	4.08
TOTALS						15.59	10.44	15.56	23.63	1.721	13.95			70.80	150.00
INTEREST ON OPERATING CAPITAL															5.15
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															155.15

Table 19.A Estimated costs and returns per acre. Soybeans, Drill Planted, owner-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	5.25	28.0000	147.00	_____
TOTAL INCOME				147.00	_____
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	_____
Airplane Insect	acre	4.27	1.0000	4.27	_____
Global Pos. System	acre	0.40	1.0000	0.40	_____
Storage Soybeans	bu	0.20	28.0000	5.60	_____
FERTILIZER					
Phosphate	lbs	0.19	42.5000	8.07	_____
Potash	lbs	0.15	85.0000	12.75	_____
HERBICIDES					
Dual 8E	pt	7.16	2.0000	14.32	_____
Classic	oz	11.06	0.5000	5.53	_____
Surfactant	pt	1.50	0.4000	0.60	_____
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.93	_____
INSECTICIDES					
Methyl parathion 4E	pt	3.56	1.0000	3.56	_____
SEED					
Soybean seed	lbs	0.30	75.0000	22.50	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.9988	7.49	_____
Self-Propelled Eq.	hour	7.50	0.2500	1.87	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	_____
DIESEL FUEL					
Tractors	gal	1.17	6.4458	7.54	_____
Self-Propelled Eq.	gal	1.17	1.4910	1.74	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	_____
REPAIR & MAINTENANCE					
Implements	acre	4.55	1.0000	4.55	_____
Tractors	acre	6.21	1.0000	6.21	_____
Self-Propelled Eq.	acre	7.45	1.0000	7.45	_____
INTEREST ON OP. CAP.	acre	5.81	1.0000	5.81	_____
TOTAL DIRECT EXPENSES				129.74	_____
RETURNS ABOVE DIRECT EXPENSES				17.25	_____
FIXED EXPENSES					
Implements	acre	6.89	1.0000	6.89	_____
Tractors	acre	9.52	1.0000	9.52	_____
Self-Propelled Eq.	acre	16.78	1.0000	16.78	_____
TOTAL FIXED EXPENSES				33.20	_____
TOTAL SPECIFIED EXPENSES				162.95	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-15.95	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	_____
Land, SW SB Drill/NT ^a /acre		30.00	1.0000	30.00	_____
RESIDUAL RETURNS				-119.60	_____

^a/ This charge represents an opportunity cost of land to an owner/operator.

Table 19.B Estimated resource use and costs per acre for field operations. Soybeans, Drill Planted, owner-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Land level	13 ft	143	0.190	0.20	Nov	0.66	0.47	0.06	0.14	0.041	0.31				1.65
Ditcher side	1.5 ft	68	0.050	1.00	Nov	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Disk	20 ft	143	0.100	2.00	Mar	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Fertilizer Truck	acre			1.00	Mar							1.0000	3.95	3.95	3.95
Phosphate	lbs											42.5000	0.19	8.07	8.07
Potash	lbs											85.0000	0.15	12.75	12.75
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Spike harrow	18 ft	dblhitch	0.080	1.00	Mar			0.07	0.10						0.17
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Boom sprayer	30 ft	93	0.060	1.00	May	0.70	0.47	0.16	0.18	0.066	0.49				2.01
Dual 8E	pt											2.0000	7.16	14.32	14.32
Cultmulcher	12 Ft	dblhitch	0.160	1.00	May			0.43	0.74						1.17
Grain drill	12 ft	143	0.210	1.00	May	3.65	2.63	0.75	1.20	0.231	1.73				9.98
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.93	0.93
Ditcher side	1.5 ft	68	0.050	1.00	Jun	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.70	0.47	0.16	0.18	0.066	0.49				2.01
Classic	oz											0.5000	11.06	5.53	5.53
Surfactant	pt											0.4000	1.50	0.60	0.60
Airplane Insect	acre			1.00	Aug							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.0000	3.56	3.56	3.56
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.210	1.00	Oct			8.04	13.75	0.231	2.77				24.57
Truck	5 ton		1.000	0.25	Oct			2.94	3.02	0.250	1.87				7.84
Storage Soybeans	bu			1.00	Oct							28.0000	0.20	5.60	5.60
TOTALS						13.76	9.52	15.54	23.68	1.479	12.13			82.49	157.13
INTEREST ON OPERATING CAPITAL															5.81
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															162.95

Table 20.A Estimated costs and returns per acre. Soybeans, Drill Planted, Tenant-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	5.25	28.0000	147.00	
Land share rent	bu	5.20	-5.6000	-29.12	

TOTAL INCOME				117.88	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane Insect	acre	4.27	1.0000	4.27	
Global Pos. System	acre	0.40	1.0000	0.40	
Storage Soybeans	bu	0.20	22.4000	4.48	
FERTILIZER					
Phosphate	lbs	0.19	42.5000	8.07	
Potash	lbs	0.15	85.0000	12.75	
HERBICIDES					
Dual 8E	pt	7.16	2.0000	14.32	
Classic	oz	11.06	0.5000	5.53	
Surfactant	pt	1.50	0.4000	0.60	
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.93	
INSECTICIDES					
Methyl parathion 4E	pt	3.56	1.0000	3.56	
SEED					
Soybean seed	lbs	0.30	75.0000	22.50	
OPERATOR LABOR					
Tractors	hour	7.50	0.9988	7.49	
Self-Propelled Eq.	hour	7.50	0.2500	1.87	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	
DIESEL FUEL					
Tractors	gal	1.17	6.4458	7.54	
Self-Propelled Eq.	gal	1.17	1.4910	1.74	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	
REPAIR & MAINTENANCE					
Implements	acre	4.55	1.0000	4.55	
Tractors	acre	6.21	1.0000	6.21	
Self-Propelled Eq.	acre	7.45	1.0000	7.45	
INTEREST ON OP. CAP.	acre	5.80	1.0000	5.80	

TOTAL DIRECT EXPENSES				128.61	
RETURNS ABOVE DIRECT EXPENSES				-10.73	
FIXED EXPENSES					
Implements	acre	6.89	1.0000	6.89	
Tractors	acre	9.52	1.0000	9.52	
Self-Propelled Eq.	acre	16.78	1.0000	16.78	

TOTAL FIXED EXPENSES				33.20	

TOTAL SPECIFIED EXPENSES				161.82	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-43.94	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-106.57	

* Assumes a 1/5 crop share for land with landlord paying 1/5 of drying and storage costs.

Table 20.B Estimated resource use and costs per acre for field operations. Soybeans, Drill Planted, Tenant-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Land level	13 ft	143	0.190	0.20	Nov	0.66	0.47	0.06	0.14	0.041	0.31				1.65
Ditcher side	1.5 ft	68	0.050	1.00	Nov	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Disk	20 ft	143	0.100	2.00	Mar	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Fertilizer Truck	acre			1.00	Mar							1.0000	3.95	3.95	3.95
Phosphate	lbs											42.5000	0.19	8.07	8.07
Potash	lbs											85.0000	0.15	12.75	12.75
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Spike harrow	18 ft	dblhitch	0.080	1.00	Mar			0.07	0.10						0.17
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Boom sprayer	30 ft	93	0.060	1.00	May	0.70	0.47	0.16	0.18	0.066	0.49				2.01
Dual 8E	pt											2.0000	7.16	14.32	14.32
Cultimulcher	12 Ft	dblhitch	0.160	1.00	May			0.43	0.74						1.17
Grain drill	12 ft	143	0.210	1.00	May	3.65	2.63	0.75	1.20	0.231	1.73				9.98
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.93	0.93
Ditcher side	1.5 ft	68	0.050	1.00	Jun	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.70	0.47	0.16	0.18	0.066	0.49				2.01
Classic	oz											0.5000	11.06	5.53	5.53
Surfactant	pt											0.4000	1.50	0.60	0.60
Airplane Insect	acre			1.00	Aug							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.0000	3.56	3.56	3.56
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.210	1.00	Oct			8.04	13.75	0.231	2.77				24.57
Truck	5 ton		1.000	0.25	Oct			2.94	3.02	0.250	1.87				7.84
Storage Soybeans	bu			1.00	Oct							22.4000	0.20	4.48	4.48
TOTALS						13.76	9.52	15.54	23.68	1.479	12.13			81.37	156.01
INTEREST ON OPERATING CAPITAL															5.80
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															161.82

Table 21.A Estimated costs and returns per acre. Soybeans, Drill Planted, Owner-operator, no-till (after rice), Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	5.25	28.0000	147.00	_____
TOTAL INCOME				147.00	_____
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	_____
Airplane Insect	acre	4.27	1.0000	4.27	_____
Global Pos. System	acre	0.40	1.0000	0.40	_____
Storage Soybeans	bu	0.20	28.0000	5.60	_____
FERTILIZER					
Phosphate	lbs	0.19	42.5000	8.07	_____
Potash	lbs	0.15	85.0000	12.75	_____
HERBICIDES					
Roundup Ultra	pt	4.68	1.2500	5.85	_____
Reflex	oz	0.64	10.0000	6.40	_____
Fusilade DX	pt	15.02	1.1250	16.89	_____
Surfactant	pt	1.50	0.7500	1.12	_____
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.93	_____
INSECTICIDES					
Methyl parathion 4E	pt	3.56	1.0000	3.56	_____
SEED					
Soybean seed	lbs	0.30	75.0000	22.50	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.4565	3.42	_____
Self-Propelled Eq.	hour	7.50	0.2500	1.87	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	_____
DIESEL FUEL					
Tractors	gal	1.17	2.8425	3.32	_____
Self-Propelled Eq.	gal	1.17	1.4910	1.74	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	_____
REPAIR & MAINTENANCE					
Implements	acre	2.23	1.0000	2.23	_____
Tractors	acre	2.76	1.0000	2.76	_____
Self-Propelled Eq.	acre	7.45	1.0000	7.45	_____
INTEREST ON OP. CAP.	acre	4.93	1.0000	4.93	_____
TOTAL DIRECT EXPENSES				124.62	_____
RETURNS ABOVE DIRECT EXPENSES				22.37	_____
FIXED EXPENSES					
Implements	acre	3.78	1.0000	3.78	_____
Tractors	acre	4.20	1.0000	4.20	_____
Self-Propelled Eq.	acre	16.78	1.0000	16.78	_____
TOTAL FIXED EXPENSES				24.78	_____
TOTAL SPECIFIED EXPENSES				149.41	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-2.41	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	_____
Land, SW SB Drill/NT ^a /acre		30.00	1.0000	30.00	_____
RESIDUAL RETURNS				-106.06	_____

^a/ This charge represents opportunity cost of land to an owner/operator.

Table 21.B Estimated resource use and costs per acre for field operations. Soybeans, Drill Planted, Owner-operator, no-till (after rice), Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Levee plow	8 Ft	143	0.050	2.00	Mar	1.73	1.25	0.15	0.40	0.110	0.82				4.37
Fertilizer Truck	acre			1.00	Mar							1.0000	3.95	3.95	3.95
Phosphate	lbs											42.5000	0.19	8.07	8.07
Potash	lbs											85.0000	0.15	12.75	12.75
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.41	0.19	0.08	0.12	0.055	0.41				1.23
Boom sprayer	30 ft	93	0.060	1.00	May	0.70	0.47	0.16	0.18	0.066	0.49				2.01
Roundup Ultra	pt											1.2500	4.68	5.85	5.85
No till drill (15)	15 ft	143	0.145	1.00	May	2.52	1.81	1.67	2.89	0.159	1.19				10.10
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.93	0.93
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.70	0.47	0.16	0.18	0.066	0.49				2.01
Reflex	oz											10.0000	0.64	6.40	6.40
Fusilade DX	pt											1.1250	15.02	16.89	16.89
Surfactant	pt											0.7500	1.50	1.12	1.12
Airplane Insect	acre			1.00	Aug							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.0000	3.56	3.56	3.56
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.210	1.00	Oct			8.04	13.75	0.231	2.77				24.57
Truck	5 ton		1.000	0.25	Oct			2.94	3.02	0.250	1.87				7.84
Storage Soybeans	bu			1.00	Oct							28.0000	0.20	5.60	5.60
						-----				-----		-----			
TOTALS						6.08	4.20	13.22	20.57	0.937	8.07			92.31	144.48
INTEREST ON OPERATING CAPITAL															4.93
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															149.41

Table 22.A Estimated costs and returns per acre. Corn, 6 row (36") equip, Owner-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	2.50	100.0000	250.00	_____
TOTAL INCOME				250.00	_____
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	_____
Drying Charge	bu	0.19	100.0000	19.00	_____
FERTILIZER					
Nitrogen	lbs	0.25	160.0000	40.00	_____
Phosphate	lbs	0.19	40.0000	7.60	_____
Potash	lbs	0.15	40.0000	6.00	_____
HERBICIDES					
Atrazine 4L	pt	1.29	2.0000	2.58	_____
Lasso 4EC	pt	2.77	2.0000	5.54	_____
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	_____
INSECTICIDES					
Counter 20CR	lbs	2.64	4.5000	11.88	_____
SEED					
Corn seed	thou	1.00	28.0000	28.00	_____
OPERATOR LABOR					
Implements	hour	7.50	0.1100	0.82	_____
Tractors	hour	7.50	1.3530	10.14	_____
Self-Propelled Eq.	hour	7.50	0.4000	3.00	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	_____
DIESEL FUEL					
Tractors	gal	1.17	9.2070	10.77	_____
Self-Propelled Eq.	gal	1.17	1.4910	1.74	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	2.0000	2.86	_____
REPAIR & MAINTENANCE					
Implements	acre	6.00	1.0000	6.00	_____
Tractors	acre	9.03	1.0000	9.03	_____
Self-Propelled Eq.	acre	8.65	1.0000	8.65	_____
INTEREST ON OP. CAP.	acre	7.87	1.0000	7.87	_____
TOTAL DIRECT EXPENSES				191.24	_____
RETURNS ABOVE DIRECT EXPENSES				58.75	_____
FIXED EXPENSES					
Implements	acre	8.73	1.0000	8.73	_____
Tractors	acre	14.10	1.0000	14.10	_____
Self-Propelled Eq.	acre	19.70	1.0000	19.70	_____
TOTAL FIXED EXPENSES				42.53	_____
TOTAL SPECIFIED EXPENSES				233.78	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				16.21	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	_____
Land, SW Corn, 6 row <u>a</u> /acre		40.00	1.0000	40.00	_____
RESIDUAL RETURNS				-97.43	_____

a/ This charge represents opportunity cost of land to an owner/operator.

Table 22.B Estimated resource use and costs per acre for field operations. Corn, 6 row (36") equip, Owner-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Sep	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Sep	0.58	0.39	0.11	0.16	0.055	0.41				1.66
V- Ripper	7 shank	143	0.170	1.00	Nov	2.95	2.13	0.52	0.72	0.187	1.40				7.73
Disk	20 ft	143	0.100	1.00	Feb	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Feb	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	1.00	Feb	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Fertilizer Truck	acre			1.00	Feb							1.0000	3.95	3.95	3.95
Nitrogen	lbs											40.0000	0.25	10.00	10.00
Phosphate	lbs											40.0000	0.19	7.60	7.60
Potash	lbs											40.0000	0.15	6.00	6.00
Hipper	20 ft	143	0.090	2.00	Feb	3.13	2.25	0.57	0.84	0.198	1.48				8.29
Conditioner	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.42	0.56	0.099	0.74				4.42
Plant + pre	20 Ft	143	0.110	1.00	Mar	1.91	1.37	0.95	1.52	0.231	1.73				7.49
Corn seed	thou											28.0000	1.00	28.00	28.00
Atrazine 4L	pt											2.0000	1.29	2.58	2.58
Lasso 4EC	pt											2.0000	2.77	5.54	5.54
Counter 20CR	lbs											4.5000	2.64	11.88	11.88
Fertilizer app liq	18 ft	93	0.130	1.00	Apr	1.52	1.01	0.60	0.72	0.143	1.07				4.93
Nitrogen	lbs											120.0000	0.25	30.00	30.00
Cultivator	20 ft	143	0.100	1.00	Apr	1.73	1.25	0.28	0.42	0.110	0.82				4.53
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Combine corn	20 Ft		0.210	1.00	Aug			8.54	14.85	0.231	2.77				26.17
Truck	5 ton		1.000	0.40	Aug			4.71	4.84	0.400	3.00				12.55
Other labor	hour											0.4000	7.50	3.00	3.00
Drying Charge	bu			1.00	Aug							100.0000	0.19	19.00	19.00
TOTALS						19.80	14.10	19.26	28.43	2.094	16.74			127.55	225.90
INTEREST ON OPERATING CAPITAL															7.87
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															233.78

Table 23.A Estimated costs and returns per acre. Corn, 6 row (36") equip,
Tenant operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	2.50	100.0000	250.00	
Land share rent	bu	2.43	-20.0000	-48.60	
TOTAL INCOME				201.40	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Drying Charge	bu	0.19	80.0000	15.20	
FERTILIZER					
Nitrogen	lbs	0.25	160.0000	40.00	
Phosphate	lbs	0.19	40.0000	7.60	
Potash	lbs	0.15	40.0000	6.00	
HERBICIDES					
Atrazine 4L	pt	1.29	2.0000	2.58	
Lasso 4EC	pt	2.77	2.0000	5.54	
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	
INSECTICIDES					
Counter 20CR	lbs	2.64	4.5000	11.88	
SEED					
Corn seed	thou	1.00	28.0000	28.00	
OPERATOR LABOR					
Implements	hour	7.50	0.1100	0.82	
Tractors	hour	7.50	1.3530	10.14	
Self-Propelled Eq.	hour	7.50	0.4000	3.00	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	
DIESEL FUEL					
Tractors	gal	1.17	9.2070	10.77	
Self-Propelled Eq.	gal	1.17	1.4910	1.74	
GASOLINE					
Self-Propelled Eq.	gal	1.43	2.0000	2.86	
REPAIR & MAINTENANCE					
Implements	acre	6.00	1.0000	6.00	
Tractors	acre	9.03	1.0000	9.03	
Self-Propelled Eq.	acre	8.65	1.0000	8.65	
INTEREST ON OP. CAP.	acre	7.84	1.0000	7.84	
TOTAL DIRECT EXPENSES				187.41	
RETURNS ABOVE DIRECT EXPENSES				13.98	
FIXED EXPENSES					
Implements	acre	8.73	1.0000	8.73	
Tractors	acre	14.10	1.0000	14.10	
Self-Propelled Eq.	acre	19.70	1.0000	19.70	
TOTAL FIXED EXPENSES				42.53	
TOTAL SPECIFIED EXPENSES				229.94	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-28.54	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-91.17	

* Assumes a 1/5 crop share for land with landlord paying 1/5 of drying and storage costs.

Table 23.B Estimated resource use and costs per acre for field operations. Corn, 6 row (36") equip, tenant operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Sep	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Sep	0.58	0.39	0.11	0.16	0.055	0.41				1.66
V- Ripper	7 shank	143	0.170	1.00	Nov	2.95	2.13	0.52	0.72	0.187	1.40				7.73
Disk	20 ft	143	0.100	1.00	Feb	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Feb	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	1.00	Feb	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Fertilizer Truck	acre			1.00	Feb							1.0000	3.95	3.95	3.95
Nitrogen	lbs											40.0000	0.25	10.00	10.00
Phosphate	lbs											40.0000	0.19	7.60	7.60
Potash	lbs											40.0000	0.15	6.00	6.00
Hipper	20 ft	143	0.090	2.00	Feb	3.13	2.25	0.57	0.84	0.198	1.48				8.29
Conditioner	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.42	0.56	0.099	0.74				4.42
Plant + pre	20 Ft	143	0.110	1.00	Mar	1.91	1.37	0.95	1.52	0.231	1.73				7.49
Corn seed	thou											28.0000	1.00	28.00	28.00
Atrazine 4L	pt											2.0000	1.29	2.58	2.58
Lasso 4EC	pt											2.0000	2.77	5.54	5.54
Counter 20CR	lbs											4.5000	2.64	11.88	11.88
Fertilizer app liq	18 ft	93	0.130	1.00	Apr	1.52	1.01	0.60	0.72	0.143	1.07				4.93
Nitrogen	lbs											120.0000	0.25	30.00	30.00
Cultivator	20 ft	143	0.100	1.00	Apr	1.73	1.25	0.28	0.42	0.110	0.82				4.53
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Combine corn	20 Ft		0.210	1.00	Aug			8.54	14.85	0.231	2.77				26.17
Truck	5 ton		1.000	0.40	Aug			4.71	4.84	0.400	3.00				12.55
Other labor	hour											0.4000	7.50	3.00	3.00
Drying Charge	bu			1.00	Aug							80.0000	0.19	15.20	15.20
TOTALS						19.80	14.10	19.26	28.43	2.094	16.74			123.75	222.10
INTEREST ON OPERATING CAPITAL															7.84
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															229.94

Table 24.A Estimated costs and returns per acre. Milo, Drill planted, Owner-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milo	Cwt	4.10	37.0000	151.70	
TOTAL INCOME				151.70	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane Insect	acre	4.27	1.0000	4.27	
Global Pos. System	acre	0.40	1.0000	0.40	
FERTILIZER					
Nitrogen	lbs	0.25	104.0000	26.00	
Phosphate	lbs	0.19	48.0000	9.12	
Potash	lbs	0.15	48.0000	7.20	
HERBICIDES					
Bicep II	qt	8.26	2.4000	19.82	
INSECTICIDES					
Sevin XLR	pt	3.41	2.0000	6.82	
SEED					
Milo seed	lbs	1.16	9.0000	10.44	
OPERATOR LABOR					
Tractors	hour	7.50	0.5720	4.29	
Self-Propelled Eq.	hour	7.50	0.2500	1.87	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	
DIESEL FUEL					
Tractors	gal	1.17	4.6440	5.43	
Self-Propelled Eq.	gal	1.17	1.4910	1.74	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	
REPAIR & MAINTENANCE					
Implements	acre	3.40	1.0000	3.40	
Tractors	acre	4.24	1.0000	4.24	
Self-Propelled Eq.	acre	7.45	1.0000	7.45	
INTEREST ON OP. CAP.	acre	4.33	1.0000	4.33	
TOTAL DIRECT EXPENSES				125.36	
RETURNS ABOVE DIRECT EXPENSES				26.33	
FIXED EXPENSES					
Implements	acre	5.09	1.0000	5.09	
Tractors	acre	6.76	1.0000	6.76	
Self-Propelled Eq.	acre	16.78	1.0000	16.78	
TOTAL FIXED EXPENSES				28.63	
TOTAL SPECIFIED EXPENSES				154.00	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-2.30	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
Land, Milo, SW a/	acre	30.00	1.0000	30.00	
RESIDUAL RETURNS				-105.95	

a/ This charge represents opportunity cost of land to an owner/operator.

Table 24.B Estimated resource use and costs per acre for field operations. Milo, Drill planted, Owner-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars				dollars		dollars			
Disk	26.6 ft	225	0.070	1.00	Feb	1.53	1.06	0.64	0.96	0.077	0.57				4.79
Disk	26.6 ft	225	0.070	2.00	Mar	3.07	2.13	1.29	1.92	0.154	1.15				9.59
Ditcher side	1.5 ft	93	0.050	1.00	Mar	0.58	0.39	0.08	0.12	0.055	0.41				1.59
Boom sprayer	30 ft	143	0.060	1.00	Apr	1.04	0.75	0.16	0.18	0.066	0.49				2.64
Bicep II	qt											2.4000	8.26	19.82	19.82
Fertilizer Truck	acre			1.00	Apr							1.0000	3.95	3.95	3.95
Nitrogen	lbs											104.0000	0.25	26.00	26.00
Phosphate	lbs											48.0000	0.19	9.12	9.12
Potash	lbs											48.0000	0.15	7.20	7.20
Field cultivator	32 ft	225	0.050	1.00	Apr	1.09	0.76	0.34	0.50	0.055	0.41				3.12
Grain drill	20 ft	143	0.100	1.00	Apr	1.73	1.25	0.79	1.26	0.110	0.82				5.87
Milo seed	lbs											9.0000	1.16	10.44	10.44
Ditcher side	1.5 ft	93	0.050	1.00	Apr	0.58	0.39	0.08	0.12	0.055	0.41				1.59
Airplane Insect	acre			1.00	Jul							1.0000	4.27	4.27	4.27
Sevin XLR	pt											2.0000	3.41	6.82	6.82
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.210	1.00	Aug			8.04	13.75	0.231	2.77				24.57
Truck	5 ton		1.000	0.25	Aug			2.94	3.02	0.250	1.87				7.84
TOTALS						9.67	6.76	14.39	21.87	1.053	8.93			88.02	149.66
INTEREST ON OPERATING CAPITAL															4.33
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															154.00

Table 25.A Estimated costs and returns per acre. Milo, Drill planted, Tenant-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milo	Cwt	4.10	37.0000	151.70	
Land share rent	Cwt	4.00	-7.4000	-29.60	
TOTAL INCOME				122.10	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane Insect	acre	4.27	1.0000	4.27	
Global Pos. System	acre	0.40	1.0000	0.40	
FERTILIZER					
Nitrogen	lbs	0.25	104.0000	26.00	
Phosphate	lbs	0.19	48.0000	9.12	
Potash	lbs	0.15	48.0000	7.20	
HERBICIDES					
Bicep II	qt	8.26	2.4000	19.82	
INSECTICIDES					
Sevin XLR	pt	3.41	2.0000	6.82	
SEED					
Milo seed	lbs	1.16	9.0000	10.44	
OPERATOR LABOR					
Tractors	hour	7.50	0.5720	4.29	
Self-Propelled Eq.	hour	7.50	0.2500	1.87	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	
DIESEL FUEL					
Tractors	gal	1.17	4.6440	5.43	
Self-Propelled Eq.	gal	1.17	1.4910	1.74	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	
REPAIR & MAINTENANCE					
Implements	acre	3.40	1.0000	3.40	
Tractors	acre	4.24	1.0000	4.24	
Self-Propelled Eq.	acre	7.45	1.0000	7.45	
INTEREST ON OP. CAP.	acre	4.33	1.0000	4.33	
TOTAL DIRECT EXPENSES				125.36	
RETURNS ABOVE DIRECT EXPENSES				-3.26	
FIXED EXPENSES					
Implements	acre	5.09	1.0000	5.09	
Tractors	acre	6.76	1.0000	6.76	
Self-Propelled Eq.	acre	16.78	1.0000	16.78	
TOTAL FIXED EXPENSES				28.63	
TOTAL SPECIFIED EXPENSES				154.00	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-31.90	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-94.53	

* Assumes a 1/5 crop share for land with no cost sharing on the part of the landlord.

Table 25.B Estimated resource use and costs per acre for field operations. Milo, Drill planted, Tenant-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars				dollars		dollars			
Disk	26.6 ft	225	0.070	1.00	Feb	1.53	1.06	0.64	0.96	0.077	0.57				4.79
Disk	26.6 ft	225	0.070	2.00	Mar	3.07	2.13	1.29	1.92	0.154	1.15				9.59
Ditcher side	1.5 ft	93	0.050	1.00	Mar	0.58	0.39	0.08	0.12	0.055	0.41				1.59
Boom sprayer	30 ft	143	0.060	1.00	Apr	1.04	0.75	0.16	0.18	0.066	0.49				2.64
Bicep II	qt											2.4000	8.26	19.82	19.82
Fertilizer Truck	acre			1.00	Apr							1.0000	3.95	3.95	3.95
Nitrogen	lbs											104.0000	0.25	26.00	26.00
Phosphate	lbs											48.0000	0.19	9.12	9.12
Potash	lbs											48.0000	0.15	7.20	7.20
Field cultivator	32 ft	225	0.050	1.00	Apr	1.09	0.76	0.34	0.50	0.055	0.41				3.12
Grain drill	20 ft	143	0.100	1.00	Apr	1.73	1.25	0.79	1.26	0.110	0.82				5.87
Milo seed	lbs											9.0000	1.16	10.44	10.44
Ditcher side	1.5 ft	93	0.050	1.00	Apr	0.58	0.39	0.08	0.12	0.055	0.41				1.59
Airplane Insect	acre			1.00	Jul							1.0000	4.27	4.27	4.27
Sevin XLR	pt											2.0000	3.41	6.82	6.82
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.210	1.00	Aug			8.04	13.75	0.231	2.77				24.57
Truck	5 ton		1.000	0.25	Aug			2.94	3.02	0.250	1.87				7.84
TOTALS						9.67	6.76	14.39	21.87	1.053	8.93			88.02	149.66
INTEREST ON OPERATING CAPITAL															4.33
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															154.00

Table 26.A Estimated costs and returns per acre. Wheat, drill planted, Owner-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	2.80	40.0000	112.00	
TOTAL INCOME				112.00	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane Fert	cwt	4.45	0.9000	4.00	
Global Pos. System	acre	0.40	2.0000	0.80	
Airplane Insect	acre	4.27	1.0000	4.27	
FERTILIZER					
Nitrogen	lbs	0.25	70.5000	17.62	
Phosphate	lbs	0.19	45.0000	8.55	
Potash	lbs	0.15	45.0000	6.75	
INSECTICIDES					
Methyl parathion 4E	pt	3.56	1.5000	5.34	
SEED					
Wheat seed	lbs	0.15	75.0000	11.25	
OPERATOR LABOR					
Tractors	hour	7.50	0.4840	3.63	
Self-Propelled Eq.	hour	7.50	0.2500	1.87	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	
DIESEL FUEL					
Tractors	gal	1.17	3.4290	4.01	
Self-Propelled Eq.	gal	1.17	1.4910	1.74	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	
REPAIR & MAINTENANCE					
Implements	acre	2.79	1.0000	2.79	
Tractors	acre	3.35	1.0000	3.35	
Self-Propelled Eq.	acre	7.45	1.0000	7.45	
INTEREST ON OP. CAP.	acre	3.79	1.0000	3.80	
TOTAL DIRECT EXPENSES				95.76	
RETURNS ABOVE DIRECT EXPENSES				16.23	
FIXED EXPENSES					
Implements	acre	4.23	1.0000	4.23	
Tractors	acre	5.27	1.0000	5.27	
Self-Propelled Eq.	acre	16.78	1.0000	16.78	
TOTAL FIXED EXPENSES				26.30	
TOTAL SPECIFIED EXPENSES				122.07	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-10.07	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
Land, wheat, SW a/	acre	30.00	1.0000	30.00	
RESIDUAL RETURNS				-113.72	

a/ This charge represents opportunity cost of land to an owner/operator.

Table 26.B Estimated resource use and costs per acre for field operations. Wheat, drill planted, owner-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars				dollars		dollars			
Disk	20 ft	143	0.100	2.00	Nov	3.47	2.50	1.54	2.29	0.220	1.65	1.0000	3.95	3.95	11.46
Fertilizer Truck	acre			1.00	Nov							30.0000	0.25	7.50	3.95
Nitrogen	lbs											45.0000	0.19	8.55	7.50
Phosphate	lbs											45.0000	0.15	6.75	8.55
Potash	lbs													6.75	6.75
Field cultivator	20 ft	143	0.090	1.00	Nov	1.56	1.12	0.34	0.51	0.099	0.74			4.29	4.29
Grain drill	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.79	1.26	0.110	0.82			5.87	5.87
Wheat seed	lbs											75.0000	0.15	11.25	11.25
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41			1.66	1.66
Airplane Fert	cwt			1.00	Feb							0.9000	4.45	4.00	4.00
Nitrogen	lbs											40.5000	0.25	10.12	10.12
Global Pos. System	acre											1.0000	0.40	0.40	4.00
Airplane Insect	acre			1.00	Apr							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.5000	3.56	5.34	5.34
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.210	1.00	May			8.04	13.75	0.231	2.77			24.57	24.57
Truck	5 ton		1.000	0.25	May			2.94	3.02	0.250	1.87			7.84	7.84
TOTALS						7.37	5.27	13.77	21.02	0.965	8.27			62.54	118.27
INTEREST ON OPERATING CAPITAL															3.80
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															122.07

Table 27.A Estimated costs and returns per acre. Wheat, drill planted, Tenant-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	2.80	40.0000	112.00	_____
Land share rent	bu	2.80	-8.0000	-22.40	_____
TOTAL INCOME				89.60	_____
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	_____
Airplane Fert	cwt	4.45	0.9000	4.00	_____
Global Pos. System	acre	0.40	2.0000	0.80	_____
Airplane Insect	acre	4.27	1.0000	4.27	_____
FERTILIZER					
Nitrogen	lbs	0.25	70.5000	17.62	_____
Phosphate	lbs	0.19	45.0000	8.55	_____
Potash	lbs	0.15	45.0000	6.75	_____
INSECTICIDES					
Methyl parathion 4E	pt	3.56	1.5000	5.34	_____
SEED					
Wheat seed	lbs	0.15	75.0000	11.25	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.4840	3.63	_____
Self-Propelled Eq.	hour	7.50	0.2500	1.87	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2310	2.77	_____
DIESEL FUEL					
Tractors	gal	1.17	3.4290	4.01	_____
Self-Propelled Eq.	gal	1.17	1.4910	1.74	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.2500	1.78	_____
REPAIR & MAINTENANCE					
Implements	acre	2.79	1.0000	2.79	_____
Tractors	acre	3.35	1.0000	3.35	_____
Self-Propelled Eq.	acre	7.45	1.0000	7.45	_____
INTEREST ON OP. CAP.	acre	3.79	1.0000	3.80	_____
TOTAL DIRECT EXPENSES				95.76	_____
RETURNS ABOVE DIRECT EXPENSES				-6.16	_____
FIXED EXPENSES					
Implements	acre	4.23	1.0000	4.23	_____
Tractors	acre	5.27	1.0000	5.27	_____
Self-Propelled Eq.	acre	16.78	1.0000	16.78	_____
TOTAL FIXED EXPENSES				26.30	_____
TOTAL SPECIFIED EXPENSES				122.07	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-32.47	_____
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	_____
RESIDUAL RETURNS				-95.10	_____

* Assumes a 1/5 crop share for land with no cost sharing on the part of the landlord.

Table 27.B Estimated resource use and costs per acre for field operations. Wheat, drill planted, Tenant-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars				dollars		dollars			
Disk	20 ft	143	0.100	2.00	Nov	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Fertilizer Truck	acre			1.00	Nov							1.0000	3.95	3.95	3.95
Nitrogen	lbs											30.0000	0.25	7.50	7.50
Phosphate	lbs											45.0000	0.19	8.55	8.55
Potash	lbs											45.0000	0.15	6.75	6.75
Field cultivator	20 ft	143	0.090	1.00	Nov	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Grain drill	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.79	1.26	0.110	0.82				5.87
Wheat seed	lbs											75.0000	0.15	11.25	11.25
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Airplane Fert	cwt			1.00	Feb							0.9000	4.45	4.00	4.00
Nitrogen	lbs											40.5000	0.25	10.12	10.12
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Apr							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.5000	3.56	5.34	5.34
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.210	1.00	May			8.04	13.75	0.231	2.77				24.57
Truck	5 ton		1.000	0.25	May			2.94	3.02	0.250	1.87				7.84
TOTALS						7.37	5.27	13.77	21.02	0.965	8.27			62.54	118.27
INTEREST ON OPERATING CAPITAL															3.80
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															122.07

Table 28.A Estimated costs and returns per acre. Wheat-Soybean double crop, Drill planted, Owner-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	2.80	40.0000	112.00	
Soybean	bu	5.25	26.0000	136.50	
TOTAL INCOME				248.50	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane Fert	cwt	4.45	0.9000	4.00	
Global Pos. System	acre	0.40	4.0000	1.60	
Airplane Insect	acre	4.27	2.0000	8.54	
Airplane Herbicide	acre	4.70	1.0000	4.70	
FERTILIZER					
Nitrogen	lbs	0.25	70.5000	17.62	
Phosphate	lbs	0.19	45.0000	8.55	
Potash	lbs	0.15	45.0000	6.75	
HERBICIDES					
Dual 8E	pt	7.16	2.0000	14.32	
Classic	oz	11.06	0.5000	5.53	
Surfactant	pt	1.50	0.4000	0.60	
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.93	
INSECTICIDES					
Methyl parathion 4E	pt	3.56	2.0000	7.12	
SEED					
Wheat seed	lbs	0.15	75.0000	11.25	
Soybean seed	lbs	0.30	75.0000	22.50	
OPERATOR LABOR					
Tractors	hour	7.50	1.0450	7.83	
Self-Propelled Eq.	hour	7.50	0.5000	3.75	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4620	5.54	
DIESEL FUEL					
Tractors	gal	1.17	6.9930	8.18	
Self-Propelled Eq.	gal	1.17	2.9820	3.48	
GASOLINE					
Self-Propelled Eq.	gal	1.43	2.5000	3.57	
REPAIR & MAINTENANCE					
Implements	acre	5.82	1.0000	5.82	
Tractors	acre	6.86	1.0000	6.86	
Self-Propelled Eq.	acre	14.91	1.0000	14.91	
INTEREST ON OP. CAP.	acre	11.30	1.0000	11.32	
TOTAL DIRECT EXPENSES				189.29	
RETURNS ABOVE DIRECT EXPENSES				59.20	
FIXED EXPENSES					
Implements	acre	8.89	1.0000	8.89	
Tractors	acre	10.68	1.0000	10.68	
Self-Propelled Eq.	acre	30.21	1.0000	30.21	
TOTAL FIXED EXPENSES				49.79	
TOTAL SPECIFIED EXPENSES				239.08	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				9.41	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
Land, Wht/SB Db1, SW a/	acre	30.00	1.0000	30.00	
RESIDUAL RETURNS				-94.23	

a/ This charge represents opportunity cost of land to an owner/operator.

Table 28.B Estimated resource use and costs per acre for field operations. Wheat-Soybean double crop, Drill planted, Owner-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	2.00	Dec	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Fertilizer Truck	acre			1.00	Dec							1.0000	3.95	3.95	3.95
Nitrogen	lbs											30.0000	0.25	7.50	7.50
Phosphate	lbs											45.0000	0.19	8.55	8.55
Potash	lbs											45.0000	0.15	6.75	6.75
Field cultivator	20 ft	143	0.090	1.00	Dec	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Grain drill	20 ft	143	0.100	1.00	Dec	1.73	1.25	0.79	1.26	0.110	0.82				5.87
Wheat seed	lbs											75.0000	0.15	11.25	11.25
Ditcher rotary	1.5 ft	93	0.050	1.00	Dec	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Airplane Fert	cwt			1.00	Feb							0.9000	4.45	4.00	4.00
Nitrogen	lbs											40.5000	0.25	10.12	10.12
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Apr							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.5000	3.56	5.34	5.34
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine double crop	20 Ft		0.210	1.00	May			8.04	12.07	0.231	2.77				22.89
Truck	5 ton		1.000	0.25	May			2.94	3.02	0.250	1.87				7.84
Disk	20 ft	143	0.100	2.00	May	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Cultimulcher	12 Ft	93	0.160	1.00	Jun	1.87	1.25	0.43	0.74	0.176	1.32				5.62
Grain drill	20 ft	143	0.100	1.00	Jun	1.73	1.25	0.79	1.26	0.110	0.82				5.87
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.93	0.93
Boom sprayer	30 ft	dblhitch	0.060	1.00	Jun			0.16	0.18						0.34
Dual 8E	pt											2.0000	7.16	14.32	14.32
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Airplane Herbicide	acre			1.00	Aug							1.0000	4.70	4.70	4.70
Classic	oz											0.5000	11.06	5.53	5.53
Surfactant	pt											0.4000	1.50	0.60	0.60
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Sep							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											0.5000	3.56	1.78	1.78
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine double crop	20 Ft		0.210	1.00	Nov			8.04	12.07	0.231	2.77				22.89
Truck	5 ton		1.000	0.25	Nov			2.94	3.02	0.250	1.87				7.84
TOTALS						15.05	10.68	27.80	39.10	2.007	17.13			117.97	227.76
INTEREST ON OPERATING CAPITAL															11.32
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															239.08

Table 29.A Estimated costs and returns per acre. Wheat-Soybean double crop, Drill planted, Tenant-operator, Southwest Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	2.80	40.0000	112.00	
Land share rent	bu	2.80	-8.0000	-22.40	
Soybean	bu	5.25	26.0000	136.50	
Land share rent	bu	5.20	-5.2000	-27.04	
TOTAL INCOME				199.06	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.95	1.0000	3.95	
Airplane Fert	cwt	4.45	0.9000	4.00	
Global Pos. System	acre	0.40	4.0000	1.60	
Airplane Insect	acre	4.27	2.0000	8.54	
Airplane Herbicide	acre	4.70	1.0000	4.70	
FERTILIZER					
Nitrogen	lbs	0.25	70.5000	17.62	
Phosphate	lbs	0.19	45.0000	8.55	
Potash	lbs	0.15	45.0000	6.75	
HERBICIDES					
Dual 8E	pt	7.16	2.0000	14.32	
Classic	oz	11.06	0.5000	5.53	
Surfactant	pt	1.50	0.4000	0.60	
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.93	
INSECTICIDES					
Methyl parathion 4E	pt	3.56	2.0000	7.12	
SEED					
Wheat seed	lbs	0.15	75.0000	11.25	
Soybean seed	lbs	0.30	75.0000	22.50	
OPERATOR LABOR					
Tractors	hour	7.50	1.0450	7.83	
Self-Propelled Eq.	hour	7.50	0.5000	3.75	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4620	5.54	
DIESEL FUEL					
Tractors	gal	1.17	6.9930	8.18	
Self-Propelled Eq.	gal	1.17	2.9820	3.48	
GASOLINE					
Self-Propelled Eq.	gal	1.43	2.5000	3.57	
REPAIR & MAINTENANCE					
Implements	acre	5.82	1.0000	5.82	
Tractors	acre	6.86	1.0000	6.86	
Self-Propelled Eq.	acre	14.91	1.0000	14.91	
INTEREST ON OP. CAP.	acre	11.30	1.0000	11.32	
TOTAL DIRECT EXPENSES				189.29	
RETURNS ABOVE DIRECT EXPENSES				9.76	
FIXED EXPENSES					
Implements	acre	8.89	1.0000	8.89	
Tractors	acre	10.68	1.0000	10.68	
Self-Propelled Eq.	acre	30.21	1.0000	30.21	
TOTAL FIXED EXPENSES				49.79	
TOTAL SPECIFIED EXPENSES				239.08	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-40.02	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-102.65	

* Assumes a 1/5 crop share for land with no cost sharing on the part of the landlord.

Table 29.B Estimated resource use and costs per acre for field operations. Wheat-Soybean double crop, drill planted, Tenant-operator, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	2.00	Dec	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Fertilizer Truck	acre			1.00	Dec							1.0000	3.95	3.95	3.95
Nitrogen	lbs											30.0000	0.25	7.50	7.50
Phosphate	lbs											45.0000	0.19	8.55	8.55
Potash	lbs											45.0000	0.15	6.75	6.75
Field cultivator	20 ft	143	0.090	1.00	Dec	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Grain drill	20 ft	143	0.100	1.00	Dec	1.73	1.25	0.79	1.26	0.110	0.82				5.87
Wheat seed	lbs											75.0000	0.15	11.25	11.25
Ditcher rotary	1.5 ft	93	0.050	1.00	Dec	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Airplane Fert	cwt			1.00	Feb							0.9000	4.45	4.00	4.00
Nitrogen	lbs											40.5000	0.25	10.12	10.12
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Apr							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											1.5000	3.56	5.34	5.34
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine double crop	20 Ft		0.210	1.00	May			8.04	12.07	0.231	2.77				22.89
Truck	5 ton		1.000	0.25	May			2.94	3.02	0.250	1.87				7.84
Disk	20 ft	143	0.100	2.00	May	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Cultimulcher	12 Ft	93	0.160	1.00	Jun	1.87	1.25	0.43	0.74	0.176	1.32				5.62
Grain drill	20 ft	143	0.100	1.00	Jun	1.73	1.25	0.79	1.26	0.110	0.82				5.87
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.93	0.93
Boom sprayer	30 ft	dblhitch	0.060	1.00	Jun			0.16	0.18						0.34
Dual 8E	pt											2.0000	7.16	14.32	14.32
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Airplane Herbicide	acre			1.00	Aug							1.0000	4.70	4.70	4.70
Classic	oz											0.5000	11.06	5.53	5.53
Surfactant	pt											0.4000	1.50	0.60	0.60
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Sep							1.0000	4.27	4.27	4.27
Methyl parathion 4E	pt											0.5000	3.56	1.78	1.78
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine double crop	20 Ft		0.210	1.00	Nov			8.04	12.07	0.231	2.77				22.89
Truck	5 ton		1.000	0.25	Nov			2.94	3.02	0.250	1.87				7.84
TOTALS						15.05	10.68	27.80	39.10	2.007	17.13			117.97	227.76
INTEREST ON OPERATING CAPITAL															11.32
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															239.08

Table 30.A Estimated costs and returns per acre. Rice, Water planted, Owner-operators, Central Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	50.0000	350.00	
Rice checkoff	cwt	0.08	-50.0000	-4.00	
TOTAL INCOME				346.00	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	acre	4.52	2.0000	9.04	
Global Pos. System	acre	0.40	5.8500	2.34	
Airplane seed	cwt	5.50	1.4000	7.70	
Airplane Stam	acre	5.23	1.0000	5.23	
Airplane hi-vol <u>b/</u>	acre	4.23	1.4000	5.92	
Airplane lo-vol <u>b/</u>	acre	3.03	0.4500	1.36	
Drying Rice <u>c/</u>	cwt	0.93	56.1770	52.24	
Storage Rice	cwt	0.45	50.0000	22.50	
FERTILIZER					
Nitrogen	lbs	0.25	135.0000	33.75	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Stam M4	qt	4.92	4.0000	19.68	
Londax 60DF	oz	14.65	1.0000	14.65	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	1.0500	17.90	
Methyl parathion 4E <u>b/</u>	pt	3.56	0.4500	1.60	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.16	140.0000	22.40	
OPERATOR LABOR					
Tractors	hour	7.50	0.9581	7.18	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys.13 flood	hour	7.50	0.9000	6.75	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	5.2232	6.11	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irrig. sys.13 flood	gal	1.17	42.2280	49.40	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	3.13	1.0000	3.13	
Tractors	acre	5.68	1.0000	5.68	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irrig. sys.13 flood	acre	4.21	1.0000	4.21	
INTEREST ON OP. CAP.	acre	9.69	1.0000	9.77	
TOTAL DIRECT EXPENSES				352.49	
RETURNS ABOVE DIRECT EXPENSES				-6.49	
FIXED EXPENSES					
Implements	acre	5.51	1.0000	5.51	
Tractors	acre	8.65	1.0000	8.65	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irrig. sys.13 flood	acre	17.71	1.0000	17.71	
TOTAL FIXED EXPENSES				58.10	
TOTAL SPECIFIED EXPENSES				410.59	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-64.59	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
Cen Rice, Water Plant <u>d/</u> acre		65.00	1.0000	65.00	
RESIDUAL RETURNS				-203.24	

a/ Includes estimated market income only.

b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 30.B Estimated resource use and costs per acre for field operations. Rice, Water planted, Owner-operators, Central Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Levee plow	8 Ft	143	0.050	2.00	Nov	1.73	1.25	0.15	0.40	0.110	0.82				4.37
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	1.00	Feb	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Dozer blade	10ft	93	0.850	0.06	Mar	0.59	0.39	0.05	0.15	0.056	0.42				1.63
Irrig. sys.13 flood	acin			1.00	Mar			13.40	17.71	0.225	1.68	9.0000			32.80
Levee Gate	gate											0.1500	10.00	1.50	1.50
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Fert	acre			1.00	Apr							1.0000	4.52	4.52	4.52
Nitrogen	lbs											90.0000	0.25	22.50	22.50
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane seed	cwt			1.00	Apr							1.4000	5.50	7.70	7.70
Rice seed	lbs											140.0000	0.16	22.40	22.40
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Icon Treatment (wet)	cwt											1.0500	17.05	17.90	17.90
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Stam	acre			1.00	Apr							1.0000	5.23	5.23	5.23
Stam M4	qt											4.0000	4.92	19.68	19.68
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys.13 flood	acin			1.00	Apr			8.93		0.150	1.12	6.0000			10.06
Irrig. sys.13 flood	acin			1.00	May			7.44		0.125	0.93	5.0000			8.38
Irrig. sys.13 flood	acin			1.00	Jun			16.38		0.275	2.06	11.0000			18.44
Airplane Fert	acre											1.0000	4.52	4.52	4.52
Nitrogen	lbs											45.0000	0.25	11.25	11.25
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane hi-vol	acre			1.00	Jun							1.0000	4.23	4.23	4.23
Londax 60DF	oz											1.0000	14.65	14.65	14.65
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane hi-vol	acre			0.40	Jun							0.4000	4.23	1.69	1.69
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.40	0.16	0.16
Irrig. sys.13 flood	acin			1.00	Jul			7.44		0.125	0.93	5.0000			8.38
Other labor	hour											0.2000	7.50	1.50	1.50
Airplane lo-vol	acre											0.4500	3.03	1.36	1.36
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.40	0.18	0.18
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	93	1.000	0.38	Aug	3.82	2.97	0.92	1.98	0.418	3.13				12.84
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Aug							56.1770	0.93	52.24	52.24
Storage Rice	cwt											50.0000	0.45	22.50	22.50
TOTALS						11.79	8.65	74.14	49.44	2.568	20.74			236.02	400.81
INTEREST ON OPERATING CAPITAL															9.77
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															410.59

Table 31.A Estimated costs and returns per acre. Rice, Water planted, Owner-operators, Northeast Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	54.5000	381.50	
Rice checkoff	cwt	0.08	-54.5000	-4.36	
TOTAL INCOME				377.14	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.58	3.0000	13.74	
Global Pos. System	acre	0.20	4.8500	0.97	
Airplane seed	cwt	4.70	1.4000	6.58	
Airplane Stam	acre	5.10	1.0000	5.10	
Airplane hi-vol <u>b/</u>	acre	3.60	0.4000	1.44	
Airplane lo-vol <u>b/</u>	acre	2.38	0.4500	1.07	
Drying Rice <u>c/</u>	cwt	0.93	61.2330	56.94	
Storage Rice	cwt	0.45	54.5000	24.52	
FERTILIZER					
Nitrogen	lbs	0.25	135.0000	33.75	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Stam M4	qt	4.92	4.0000	19.68	
HIRED LABOR					
Other labor	hour	7.50	0.2850	2.13	
INSECTICIDES					
Icon Treatment(wet) <u>b/</u>	cwt	17.05	1.0500	17.90	
Methyl parathion 4E <u>d/</u>	pt	3.56	0.4500	1.60	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.16	140.0000	22.40	
OPERATOR LABOR					
Tractors	hour	7.50	1.4410	10.80	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 4, fld, WP	hour	7.50	0.9720	7.29	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	9.0282	10.56	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irr sys 4, fld, WP	gal	1.17	24.0480	28.13	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	4.55	1.0000	4.55	
Tractors	acre	9.64	1.0000	9.64	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irr sys 4, fld, WP	acre	3.49	1.0000	3.49	
INTEREST ON'OP. CAP.	acre	9.16	1.0000	9.22	
TOTAL DIRECT EXPENSES				327.96	
RETURNS ABOVE DIRECT EXPENSES				49.17	
FIXED EXPENSES					
Implements	acre	7.82	1.0000	7.82	
Tractors	acre	15.05	1.0000	15.05	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irr sys 4, fld, WP	acre	13.37	1.0000	13.37	
TOTAL FIXED EXPENSES				62.46	
TOTAL SPECIFIED EXPENSES				390.43	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-13.29	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
L&W NE WP Rice <u>d/</u>	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-151.94	

a/ Includes estimated market income only.

b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 31.B Estimated resource use and costs per acre for field operations. Rice, Water planted, Owner-operators, Northeast Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	2.00	Mar	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Levee plow	8 Ft	143	0.050	5.00	Apr	4.34	3.13	0.38	1.00	0.275	2.06				10.93
Backhoe		93	1.000	0.06	Apr	0.70	0.47	0.31	0.47	0.066	0.49				2.45
Levee Gate	gate											0.1500	10.00	1.50	1.50
Irr sys 4, fld, WP	acin			1.00	Apr			7.90	13.37	0.243	1.82	9.0000			23.09
Other labor	hour											0.0750	7.50	0.56	0.56
Drag	14 ft	93	0.130	1.00	Apr	1.52	1.01	0.05	0.07	0.143	1.07				3.75
Airplane Fert	cwt											2.0000	4.58	9.16	9.16
Nitrogen	lbs											90.0000	0.25	22.50	22.50
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane seed	cwt			1.00	May							1.4000	4.70	6.58	6.58
Rice seed	lbs											140.0000	0.16	22.40	22.40
Global Pos. System	acre											1.0000	0.05	0.05	0.05
Icon Treatment (wet)	cwt											1.0500	17.05	17.90	17.90
Other labor	hour			1.00	May							0.0750	7.50	0.56	0.56
Airplane Stam	acre			1.00	Jun							1.0000	5.10	5.10	5.10
Stam M4	qt											4.0000	4.92	19.68	19.68
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Irr sys 4, fld, WP	acin			1.00	Jun			9.66		0.297	2.22	11.0000			11.89
Other labor	hour											0.0600	7.50	0.45	0.45
Airplane Fert	cwt			1.00	Jun							1.0000	4.58	4.58	4.58
Nitrogen	lbs											45.0000	0.25	11.25	11.25
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane hi-vol	acre			0.40	Jul							0.4000	3.60	1.44	1.44
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.20	0.08	0.08
Irr sys 4, fld, WP	acin			1.00	Jul			9.66		0.297	2.22	11.0000			11.89
Irr sys 4, fld, WP	acin			1.00	Aug			4.39		0.135	1.01	5.0000			5.40
Airplane lo-vol	acre											0.4500	2.38	1.07	1.07
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.20	0.09	0.09
Other labor	hour			1.00	Aug							0.0750	7.50	0.56	0.56
Combine Rice	25 Ft		0.300	1.00	Sep			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	143	1.000	0.38	Sep	5.67	4.76	0.92	1.98	0.418	3.13				16.48
Truck	5 ton		1.000	0.38	Sep			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Sep							61.2330	0.93	56.94	56.94
Storage Rice	cwt											54.5000	0.45	24.52	24.52
TOTALS						20.20	15.05	53.58	47.41	3.123	24.90			220.04	381.21
INTEREST ON OPERATING CAPITAL															9.22
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															390.43

Table 32.A Estimated costs and returns per acre. Rice, Water planted,
Tenant-operators, Northeast Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME a/					
Rice	cwt	7.00	54.5000	381.50	
Land share rent	cwt	7.00	-10.9000	-76.30	
Water share rent	cwt	7.00	-10.9000	-76.30	
Rice checkoff	cwt	0.08	-32.7000	-2.61	
TOTAL INCOME				226.28	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.58	3.0000	13.74	
Global Pos. System	acre	0.20	4.8500	0.97	
Airplane seed	cwt	4.70	1.4000	6.58	
Airplane Stam	acre	5.10	1.0000	5.10	
Airplane hi-vol b/	acre	3.60	0.4000	1.44	
Airplane lo-vol b/	acre	2.38	0.4500	1.07	
Drying Rice c/	cwt	0.93	36.7390	34.16	
Storage Rice	cwt	0.45	32.7000	14.71	
FERTILIZER					
Nitrogen	lbs	0.25	135.0000	33.75	
FUNGICIDES					
Quadris b/	oz.	2.23	4.8000	10.70	
HERBICIDES					
Stam M4	qt	4.92	4.0000	19.68	
HIRED LABOR					
Other labor	hour	7.50	0.2850	2.13	
INSECTICIDES					
Icon Treatment (wet) b/cwt		17.05	1.0500	17.90	
Methyl parathion 4ED/pt		3.56	0.4500	1.60	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.16	140.0000	22.40	
OPERATOR LABOR					
Tractors	hour	7.50	1.4410	10.80	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys. 5 flood	hour	7.50	0.9180	6.88	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	9.0282	10.56	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	4.55	1.0000	4.55	
Tractors	acre	9.64	1.0000	9.64	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irrig. sys. 5 flood	acre	3.38	1.0000	3.38	
INTEREST ON OP. CAP.	acre	7.95	1.0000	8.01	
TOTAL DIRECT EXPENSES				265.51	
RETURNS ABOVE DIRECT EXPENSES				-39.23	
FIXED EXPENSES					
Implements	acre	7.82	1.0000	7.82	
Tractors	acre	15.05	1.0000	15.05	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
TOTAL FIXED EXPENSES				49.09	
TOTAL SPECIFIED EXPENSES				314.61	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-88.33	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-150.96	

* Assumes a 1/5 crop share for land and a 1/5 crop share for water with the waterlord paying all the irrigation fuel costs, and both the landlord and waterlord each paying 1/5 of the drying and storage costs.

a/ Includes estimated market income only.

b/ Pro-rated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight.

Table 32.B Estimated resource use and costs per acre for field operations. Rice, Water planted, Tenant-operators, Northeast Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	2.00	Mar	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Levee plow	8 Ft	143	0.050	5.00	Apr	4.34	3.13	0.38	1.00	0.275	2.06				10.93
Backhoe		93	1.000	0.06	Apr	0.70	0.47	0.31	0.47	0.066	0.49				2.45
Levee Gate	gate											0.1500	10.00	1.50	1.50
Irrig. sys. 5 flood	acin			1.00	Apr			0.84		0.229	1.72	9.0000			2.56
Other labor	hour											0.0750	7.50	0.56	0.56
Drag	14 ft	93	0.130	1.00	Apr	1.52	1.01	0.05	0.07	0.143	1.07				3.75
Airplane Fert	cwt											2.0000	4.58	9.16	9.16
Nitrogen	lbs											90.0000	0.25	22.50	22.50
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane seed	cwt			1.00	May							1.4000	4.70	6.58	6.58
Rice seed	lbs											140.0000	0.16	22.40	22.40
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Icon Treatment (wet)	cwt											1.0500	17.05	17.90	17.90
Other labor	hour			1.00	May							0.0750	7.50	0.56	0.56
Airplane Stam	acre			1.00	Jun							1.0000	5.10	5.10	5.10
Stam M4	qt											4.0000	4.92	19.68	19.68
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Irrig. sys. 5 flood	acin			1.00	Jun			1.03		0.280	2.10	11.0000			3.13
Other labor	hour											0.0600	7.50	0.45	0.45
Airplane Fert	cwt			1.00	Jun							1.0000	4.58	4.58	4.58
Nitrogen	lbs											45.0000	0.25	11.25	11.25
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane hi-vol	acre			0.40	Jul							0.4000	3.60	1.44	1.44
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.20	0.08	0.08
Irrig. sys. 5 flood	acin			1.00	Jul			1.03		0.280	2.10	11.0000			3.13
Irrig. sys. 5 flood	acin			1.00	Aug			0.47		0.127	0.95	5.0000			1.42
Airplane lo-vol	acre											0.4500	2.38	1.07	1.07
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.20	0.09	0.09
Other labor	hour			1.00	Aug							0.0750	7.50	0.56	0.56
Combine Rice	25 Ft		0.300	1.00	Sep			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	143	1.000	0.38	Sep	5.67	4.76	0.92	1.98	0.418	3.13				16.48
Truck	5 ton		1.000	0.38	Sep			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Sep							36.7390	0.93	34.16	34.16
Storage Rice	cwt											32.7000	0.45	14.71	14.71
TOTALS						20.20	15.05	25.33	34.04	3.069	24.50			187.45	306.60
INTEREST ON OPERATING CAPITAL															8.01
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															314.61

Table 33.A Estimated costs and returns per acre. Rice, Drill planted,
Owner-operators, Northeast Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	54.5000	381.50	
Rice checkoff	cwt	0.08	-54.5000	-4.36	

TOTAL INCOME				377.14	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.58	3.0000	13.74	
Global Pos. System	acre	0.20	3.8500	0.77	
Airplane Stam	acre	5.10	1.0000	5.10	
Airplane hi-vol <u>b/</u>	acre	3.60	0.4000	1.44	
Airplane lo-vol <u>b/</u>	acre	2.38	0.4500	1.07	
Drying Rice <u>c/</u>	cwt	0.93	61.2330	56.94	
Storage Rice	cwt	0.45	54.5000	24.52	
FERTILIZER					
Nitrogen	lbs	0.25	135.0000	33.75	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Stam M4	qt	4.92	4.0000	19.68	
HIRED LABOR					
Other labor	hour	7.50	0.2850	2.13	
INSECTICIDES					
Icon Treatment(dry) <u>b/</u>	cwt	14.00	0.6750	9.45	
Methyl parathion 4ED <u>b/</u>	pt	3.56	0.4500	1.60	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.16	90.0000	14.40	
OPERATOR LABOR					
Tractors	hour	7.50	1.8260	13.69	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 4, fld, DP	hour	7.50	0.9600	7.20	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	11.4312	13.37	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
Irr sys 4, fld, DP	gal	1.17	26.7200	31.26	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	5.64	1.0000	5.64	
Tractors	acre	12.01	1.0000	12.01	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irr sys 4, fld, DP	acre	3.76	1.0000	3.76	
INTEREST ON OP. CAP.	acre	9.22	1.0000	9.27	

TOTAL DIRECT EXPENSES				317.24	
RETURNS ABOVE DIRECT EXPENSES				59.89	
FIXED EXPENSES					
Implements	acre	9.77	1.0000	9.77	
Tractors	acre	18.69	1.0000	18.69	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
Irr sys 4, fld, DP	acre	13.98	1.0000	13.98	

TOTAL FIXED EXPENSES				68.67	

TOTAL SPECIFIED EXPENSES				385.91	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-8.77	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.65	1.0000	73.65	
L&W NE DP Rice <u>d/</u>	acre	65.00	1.0000	65.00	
RESIDUAL RETURNS				-147.42	

a/ Includes estimated market income only.

b/ Prorated use based on expert opinion of percentage of rice acreage treated last year.

c/ Drying cost charged on green weight

d/ This charge represents an opportunity cost of land to an owner/operator.

Table 33.B Estimated resource use and costs per acre for field operations. Rice, Drill planted, Owner-operators, Northeast Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	2.00	Mar	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Land level	13 ft	143	0.190	1.00	Apr	3.30	2.38	0.31	0.72	0.209	1.56				8.29
Grain drill	12 ft	93	0.210	1.00	Apr	2.46	1.64	0.75	1.20	0.231	1.73				7.80
Rice seed	lbs											90.0000	0.16	14.40	14.40
Icon Treatment (dry)	cwt											0.6750	14.00	9.45	9.45
Spike harrow	18 ft	93	0.080	1.00	Apr	0.93	0.62	0.07	0.10	0.088	0.66				2.39
Levee plow	8 Ft	143	0.050	5.00	Apr	4.34	3.13	0.38	1.00	0.275	2.06				10.93
Backhoe		93	1.000	0.06	May	0.70	0.47	0.31	0.47	0.066	0.49				2.45
Levee Gate	gate											0.1500	10.00	1.50	1.50
Irr sys 4, fld, DP	acin			1.00	May			3.50	13.98	0.096	0.72	4.0000			18.20
Other labor	hour											0.0750	7.50	0.56	0.56
Irr sys 4, fld, DP	acin			1.00	May			3.06		0.084	0.63	3.5000			3.69
Other labor	hour											0.0750	7.50	0.56	0.56
Airplane Fert	cwt			1.00	May							2.0000	4.58	9.16	9.16
Nitrogen	lbs											90.0000	0.25	22.50	22.50
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane Stam	acre			1.00	May							1.0000	5.10	5.10	5.10
Stam M4	qt											4.0000	4.92	19.68	19.68
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Irr sys 4, fld, DP	acin			1.00	May			6.12		0.168	1.26	7.0000			7.38
Other labor	hour											0.0600	7.50	0.45	0.45
Irr sys 4, fld, DP	acin			1.00	Jun			10.06		0.276	2.07	11.5000			12.13
Airplane Fert	cwt											1.0000	4.58	4.58	4.58
Nitrogen	lbs											45.0000	0.25	11.25	11.25
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane hi-vol	acre			0.40	Jul							0.4000	3.60	1.44	1.44
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.20	0.08	0.08
Irr sys 4, fld, DP	acin			1.00	Jul			12.25		0.336	2.52	14.0000			14.77
Airplane lo-vol	acre			0.45	Jul							0.4500	2.38	1.07	1.07
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.20	0.09	0.09
Other labor	hour			1.00	Aug							0.0750	7.50	0.56	0.56
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	143	1.000	0.38	Aug	5.67	4.76	0.92	1.98	0.418	3.13				16.48
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Sep							61.2330	0.93	56.94	56.94
Storage Rice	cwt											54.5000	0.45	24.52	24.52
TOTALS						25.38	18.69	58.05	49.98	3.496	27.70				376.64
INTEREST ON OPERATING CAPITAL															9.27
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															385.91

Table 34.A Estimated costs and returns per acre. Rice, Drill planted,
Tenant-operators, Northeast Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME <u>a/</u>					
Rice	cwt	7.00	54.5000	381.50	
Land share rent	cwt	7.00	-10.9000	-76.30	
Water share rent	cwt	7.00	-10.9000	-76.30	
Rice checkoff	cwt	0.08	-32.7000	-2.61	
TOTAL INCOME				226.28	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.58	3.0000	13.74	
Global Pos. System	acre	0.20	3.8500	0.77	
Airplane Stam	acre	5.10	1.0000	5.10	
Airplane hi-vol <u>b/</u>	acre	3.60	0.4000	1.44	
Airplane lo-vol <u>b/</u>	acre	2.38	0.4500	1.07	
Drying Rice <u>c/</u>	cwt	0.93	36.7390	34.16	
Storage Rice	cwt	0.45	32.7000	14.71	
FERTILIZER					
Nitrogen	lbs	0.25	135.0000	33.75	
FUNGICIDES					
Quadris <u>b/</u>	oz.	2.23	4.8000	10.70	
HERBICIDES					
Stam M4	qt	4.92	4.0000	19.68	
HIRED LABOR					
Other labor	hour	7.50	0.2850	2.13	
INSECTICIDES					
Icon Treatment(dry) <u>b/</u>	cwt	14.00	0.6750	9.45	
Methyl parathion 4ED ^u /pt	pt	3.56	0.4500	1.60	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.16	90.0000	14.40	
OPERATOR LABOR					
Tractors	hour	7.50	1.8260	13.69	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys. 5 flood	hour	7.50	1.0200	7.65	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	
DIESEL FUEL					
Tractors	gal	1.17	11.4312	13.37	
Self-Propelled Eq.	gal	1.17	2.5800	3.01	
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9000	2.71	
REPAIR & MAINTENANCE					
Implements	acre	5.64	1.0000	5.64	
Tractors	acre	12.01	1.0000	12.01	
Self-Propelled Eq.	acre	11.65	1.0000	11.65	
Irrig. sys. 5 flood	acre	3.76	1.0000	3.76	
INTEREST ON OP. CAP.	acre	7.92	1.0000	7.97	
TOTAL DIRECT EXPENSES				252.53	
RETURNS ABOVE DIRECT EXPENSES				-26.25	
FIXED EXPENSES					
Implements	acre	9.77	1.0000	9.77	
Tractors	acre	18.69	1.0000	18.69	
Self-Propelled Eq.	acre	26.22	1.0000	26.22	
TOTAL FIXED EXPENSES				54.69	
TOTAL SPECIFIED EXPENSES				307.22	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-80.94	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	62.63	1.0000	62.63	
RESIDUAL RETURNS				-143.57	

* Assumes a 1/5 crop share for land and a 1/5 crop share for water with the waterlord paying all the irrigation fuel costs, and both the landlord and waterlord each paying 1/5 of the drying and storage costs.
a/ Includes estimated market income only.
b/ Pro-rated use based on expert opinion of percentage of rice acreage treated last year.
c/ Drying cost charged on green weight.

Table 34.B Estimated resource use and costs per acre for field operations. Rice, Drill planted, Tenant-operators, Northeast Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk	20 ft	143	0.100	1.00	Nov	1.73	1.25	0.77	1.14	0.110	0.82				5.73
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Disk	20 ft	143	0.100	2.00	Mar	3.47	2.50	1.54	2.29	0.220	1.65				11.46
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.58	0.39	0.11	0.16	0.055	0.41				1.66
Field cultivator	20 ft	143	0.090	1.00	Mar	1.56	1.12	0.34	0.51	0.099	0.74				4.29
Land level	13 ft	143	0.190	1.00	Apr	3.30	2.38	0.31	0.72	0.209	1.56				8.29
Grain drill	12 ft	93	0.210	1.00	Apr	2.46	1.64	0.75	1.20	0.231	1.73				7.80
Rice seed	lbs											90.0000	0.16	14.40	14.40
Icon Treatment (dry)	cwt											0.6750	14.00	9.45	9.45
Spike harrow	18 ft	93	0.080	1.00	Apr	0.93	0.62	0.07	0.10	0.088	0.66				2.39
Levee plow	8 Ft	143	0.050	5.00	Apr	4.34	3.13	0.38	1.00	0.275	2.06				10.93
Backhoe		93	1.000	0.06	May	0.70	0.47	0.31	0.47	0.066	0.49				2.45
Levee Gate	gate											0.1500	10.00	1.50	1.50
Irrig. sys. 5 flood	acin			1.00	May			0.37		0.102	0.76	4.0000			1.14
Other labor	hour											0.0750	7.50	0.56	0.56
Irrig. sys. 5 flood	acin			1.00	May			0.32		0.089	0.66	3.5000			0.99
Other labor	hour											0.0750	7.50	0.56	0.56
Airplane Fert	cwt			1.00	May							2.0000	4.58	9.16	9.16
Nitrogen	lbs											90.0000	0.25	22.50	22.50
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane Stam	acre			1.00	May							1.0000	5.10	5.10	5.10
Stam M4	qt											4.0000	4.92	19.68	19.68
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Irrig. sys. 5 flood	acin			1.00	May			0.65		0.178	1.33	7.0000			1.99
Other labor	hour											0.0600	7.50	0.45	0.45
Irrig. sys. 5 flood	acin			1.00	Jun			1.08		0.293	2.19	11.5000			3.28
Airplane Fert	cwt											1.0000	4.58	4.58	4.58
Nitrogen	lbs											45.0000	0.25	11.25	11.25
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane hi-vol	acre			0.40	Jul							0.4000	3.60	1.44	1.44
Quadris	oz.											4.8000	2.23	10.70	10.70
Global Pos. System	acre											0.4000	0.20	0.08	0.08
Irrig. sys. 5 flood	acin			1.00	Jul			1.31		0.357	2.67	14.0000			3.99
Airplane lo-vol	acre			0.45	Jul							0.4500	2.38	1.07	1.07
Methyl parathion 4E	pt											0.4500	3.56	1.60	1.60
Global Pos. System	acre											0.4500	0.20	0.09	0.09
Other labor	hour			1.00	Aug							0.0750	7.50	0.56	0.56
Combine Rice	25 Ft		0.300	1.00	Aug			12.91	21.61	0.330	3.96				38.49
Grain cart	450 bu	143	1.000	0.38	Aug	5.67	4.76	0.92	1.98	0.418	3.13				16.48
Truck	5 ton		1.000	0.38	Aug			4.47	4.60	0.380	2.85				11.92
Drying Rice	cwt			1.00	Sep							36.7390	0.93	34.16	34.16
Storage Rice	cwt											32.7000	0.45	14.71	14.71
TOTALS						25.38	18.69	26.79	36.00	3.556	28.15			164.22	299.25
INTEREST ON OPERATING CAPITAL															7.97
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															307.22

Table 35 Projects Costs and Returns per Acre, Rice, Landlord and Waterlord Share, Northeast Louisiana, 2001.

Item	Drill Planted	Water Planted
Gross Receipts from Rice Production <u>a/</u>	152.59	152.59
Irrigation Fuel	31.26	28.13
Interest on Operating Capital	1.31	1.18
Drying <u>b/</u>	22.77	22.77
Storage	9.81	9.81
Rice Checkoff	1.74	1.74
Total Direct Costs	66.89	63.63
Returns Above Direct Costs	85.70	88.96
Total Fixed Costs	13.98	13.37
Total Specified Costs	80.87	77.00
Net Returns to Land Investment	71.72	75.59

* Rental arrangement of 1/5 crop share each to the landlord and waterlord. The waterlord paid all the irrigation fuel costs and both the landlord and the waterlord each paying 1/5 of drying and storage costs.

a/ Includes estimated market income only.

b/ Drying cost charged on green weight.

Appendix Table 1. Suggested Prices for Selected Farm Inputs and Aerial Application Rates, Louisiana, 2001.

ITEM NAME	UNIT	UNIT PRICE (Dollars)	ITEM NAME	UNIT	UNIT PRICE (Dollars)
<u>Fertilizer</u>					
Ammonium sulfate 21%	ton	146.14	0-26-26	ton	188.43
Lime (spread)	ton	30.80	6-24-24	ton	183.78
Urea (45%)	ton	206.88	8-24-24	ton	195.36
0-17-34	ton	184.75	13-13-13	ton	201.13
0-18-36	ton	180.05	17-17-17	ton	189.03
0-24-24	ton	182.20	19-19-19	ton	200.08
<u>Herbicides</u>					
2,4-D Amine	gal.	11.75	2,4-D LVE	gal.	16.05
2,4-DB Butoxone	gal.	24.21	Arrosolo 6E	gal.	25.19
Assure II	gal.	123.35	Atrazine 4L	gal.	10.29
Basagran 4EC	gal.	69.65	Bicep II	gal.	33.04
Blazer 2L	gal.	62.14	Bolero 8EC	gal.	48.91
Canopy 75DF	lbs.	40.60	Classic 25DG	oz.	11.06
Cobra 2E	gal.	120.57	Command 3ME	gal.	63.52
Dual 8E	gal.	57.24	Fusilade DX	gal.	120.13
Lasso II	lbs.	0.93	Lasso 4EC	gal.	22.15
Lexone 90DF	lbs.	17.76	Londax 60DF	oz.	14.65
Lorox 50DG	lbs.	10.12	Ordram 15G	lbs.	1.08
Ordram 8E	gal.	53.71	Poast Plus	gal.	48.67
Prowl 3.3EC	gal.	20.82	Reflex 2LC	gal.	81.95
Roundup D-pack	gal.	54.62	Roundup Ultra	gal.	37.46
Scepter OT	gal.	85.14	Stam M4 (propanil)	gal.	19.68
Surfactant	gal.	12.00	Treflan 4L	gal.	25.53
<u>Insecticides</u>					
Counter CR20G	lbs.	2.64	Icon(dry seed)	cwt.	14.00
Icon (wet seed)	cwt.	17.05	Karate Z	gal.	484.54
Methyl parathion 4E	gal.	28.50	Sevin XLR	gal.	27.26
<u>Fungicides</u>					
Benlate 50% WP	lbs.	16.51	Rovral 4F	gal.	160.20
Tilt 428C	gal.	305.63	Topsin M 70W	lb.	15.65
Quadris	gal.	284.91			
<u>Seed</u>					
Long Grain Rice	cwt.	16.00	Medium Grain Rice	cwt.	17.00
Milo (treated)	50 lbs.	58.00	Soybeans (Private)	50 lbs.	15.19
Corn	80,000 kernels	80.00	Soybeans (R. Ready)	50 lbs.	26.72
Wheat (grain)	50 lbs.	7.41	Ryegrass (Gulf)	cwt.	25.84
<u>Seed Treatments</u>					
Apron XL	pt.	131.60	Innoculant	5 bu.	3.51
<u>Fuels and Lubricants</u>					
Gasoline	gal.	1.43	Hydraulic Oil	5 gal.	23.85
Diesel	gal.	1.17	Natural gas	mcf.	6.00
Motor Oil	gal.	6.08	Electricity	kwh	0.09
Gear Oil	gal.	6.21	Grease	tube	1.58

Appendix Table 1. Suggested Prices for Selected Farm Inputs and Aerial
(cont.) Application Rates, Louisiana, 2001.

ITEM NAME	UNIT	UNIT PRICE (Dollars)	ITEM NAME	UNIT	UNIT PRICE (Dollars)
<u>Aerial Rates</u>					
Southwest La:					
Rice: Dry Seed	cwt.	4.65	Fertilizer:		
Sprouted	cwt.	5.03	100-199 #/acre	cwt.	4.45
Ryegrass Seed	acre.	4.50	200-299#/acre	cwt.	3.81
Insecticides	2 gal.	4.27	300-399#/acre	cwt.	3.25
Fungicides	5 gal.	4.70	Granular	acre.	4.40
Herbicides	5 gal.	4.70	Propanil	10 gal.	5.23
2,4-D Herbicide	2 gal.	5.25	Global Pos. System	acre.	0.40
Central La:					
Rice: Dry Seed	cwt.	5.00	Fertilizer	cwt.	4.45
Sprouted	cwt.	5.50	Granular	acre.	4.95
Ryegrass Seed	acre.	4.50	Insecticides	2 gal.	3.03
Fungicides	5 gal.	4.23	Propanil	10 gal.	5.23
Global Pos. System	acre.	0.40			
Northeast La:					
Rice: Dry Seed	cwt.	4.37	Fertilizer	cwt.	4.58
Sprouted	cwt.	4.70	Granular	acre.	4.75
Ryegrass Seed	acre.	4.50	Insecticides	2 gal.	2.38
Fungicides	5 gal.	3.60	Propanil	10 gal.	5.10
Global Pos. System	acre.	0.20			

Appendix Table 2. Summary of Estimated Irrigation Costs for a Well 10 Inches in Diameter and 300 Feet Deep with a Diesel Power Unit, Southwest Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acres Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at \$1.17 per gal	18,511.43	20,246.88
Oil	440.09	478.35
Oil Filters	137.87	149.86
Oil Change Labor	103.40	112.40
Gearhead Lubrication (labor included)	22.70	22.70
Repair and Maintenance (.5% of engine price)	75.83	75.83
Daily Inspection	106.56	116.55
Total Variable Cost (Power Unit)	\$19,397.88	\$21,202.57
Variable Costs (Well & Pump)	338.48	354.38
Total Variable Costs	\$19,736.36	\$21,556.95
Acres Inches Applied	7,104	7,770
Variable Cost/Acre Inch	2.778	2.774
Variable Costs/Acre	88.90	97.10
Fixed Costs		
Interest on Investment	2,867.31	2,867.31
Other Fixed Costs	4,058.09	4,253.15
Total Fixed Costs	\$6,925.40	\$7,120.46
Fixed Cost/Acre Inch	0.975	0.916
Fixed Cost/Acre	31.20	32.07
Total Costs	\$26,661.76	\$28,677.41
Total Costs/Acre Inch	3.753	3.691
Total Costs/Acre	120.10	129.18

Representative system used for Southwest Louisiana rice budgets. The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts. For con-till water plant and con-till drill plant systems, fixed costs per acre are reduced to \$30.23 and \$29.99, respectively.

Appendix Table 3. Summary of Estimated Irrigation Costs for a Well 10 Inches in Diameter and 300 Feet Deep with a Natural Gas Power Unit, Southwest Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acres Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at \$6.00 per mcf	14,566.60	15,932.22
Oil	113.55	121.21
Oil Filters	35.57	37.97
Oil Change Labor	26.68	28.48
Gearhead Lubrication (labor included)	22.70	22.70
Repair and Maintenance (.5% of engine price)	70.71	70.71
Daily Inspection	106.56	116.55
Total Variable Cost (Power Unit)	\$14,942.37	\$16,329.83
Variable Costs (Well & Pump)	338.48	354.38
Total Variable Costs	\$15,280.85	\$16,684.21
Acres Inches Applied	7,104	7,770
Variable Cost/Acre Inch	2.151	2.147
Variable Costs/Acre	68.83	75.15
Fixed Costs		
Interest on Investment	2,834.52	2,834.52
Other Fixed Costs	3,991.18	4,179.97
Total Fixed Costs	\$6,825.70	\$7,014.49
Fixed Cost/Acre Inch	0.961	0.903
Fixed Cost/Acre	30.75	31.60
Total Costs	\$22,106.55	\$23,698.70
Total Costs/Acre Inch	3.112	3.050
Total Costs/Acre	99.58	106.75

The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

Appendix Table 4. Summary of Estimated Irrigation Costs for a Well 10 Inches in Diameter and 300 Feet Deep with an Electric Power Unit, Southwest Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acres Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at \$0.09 per kwh	20,074.18	21,956.14
Oil	7.60	7.60
Oil Change Labor	9.38	9.38
Repair and Maintenance (.5% of engine price)	44.75	44.75
Daily Inspection	53.28	58.28
Connection Charge	250.00	250.00
Total Variable Cost (Power Unit)	\$20,439.18	\$22,326.13
Variable Costs (Well & Pump)	316.91	332.82
Total Variable Costs	\$20,756.09	\$22,658.95
Acres Inches Applied	7,104	7,770
Variable Cost/Acre Inch	2.922	2.916
Variable Costs/Acre	93.50	102.07
Fixed Costs		
Interest on Investment	2,530.36	2,530.36
Other Fixed Costs	3,132.30	3,240.57
Total Fixed Costs	\$5,662.66	\$5,770.93
Fixed Cost/Acre Inch	0.797	0.743
Fixed Cost/Acre	25.51	26.00
Total Costs	\$26,418.75	\$28,429.88
Total Costs/Acre Inch	3.719	3.659
Total Costs/Acre	119.00	128.06

The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

Appendix Table 5. Summary of Estimated Irrigation Costs for a Surface Water Source with a Diesel Power Unit, Southwest Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acres Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at \$1.17 per gal	7,604.69	8,317.63
Oil	251.48	273.34
Oil Filters	137.87	149.86
Oil Change Labor	103.40	112.40
Gearhead Lubrication (labor included)	22.70	22.70
Repair and Maintenance (.5% of engine price)	41.21	41.21
Daily Inspection	106.56	116.55
Total Variable Cost (Power Unit)	\$8,267.91	\$9,033.69
Variable Costs (Well & Pump)	277.72	293.63
Total Variable Costs	\$8,545.64	\$9,327.32
Acres Inches Applied	7,104	7,770
Variable Cost/Acre Inch	1.203	1.200
Variable Costs/Acre	38.49	42.01
Fixed Costs		
Interest on Investment	1,716.39	1,716.39
Other Fixed Costs	2,021.06	2,104.33
Total Fixed Costs	\$3,737.45	\$3,820.72
Fixed Cost/Acre Inch	0.526	0.492
Fixed Cost/Acre	16.84	17.21
Total Costs	\$12,283.08	\$13,148.04
Total Costs/Acre Inch	1.729	1.692
Total Costs/Acre	55.33	59.23

The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

SOURCE: Salassi, Michael E., and Joseph A. Musick. *An Economic Analysis of Rice Irrigation Pumping Systems in Louisiana*. D.A.E. Research Report No. 617, Department of Agricultural Economics and Agribusiness, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge, July, 1983.

Appendix Table 6. Summary of Estimated Irrigation Costs for a Surface Water Source with a Natural Gas Power Unit, Southwest Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acres Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at \$6.00 per mcf	5,984.11	6,545.12
Oil	64.89	69.26
Oil Filters	35.57	37.97
Oil Change Labor	26.68	28.48
Gearhead Lubrication (labor included)	22.70	22.70
Repair and Maintenance (.5% of engine price)	36.09	36.09
Daily Inspection	106.56	116.55
Total Variable Cost (Power Unit)	\$6,276.60	\$6,856.17
Variable Costs (Well & Pump)	277.72	293.63
Total Variable Costs	\$6,554.32	\$7,149.80
Acres Inches Applied	7,104	7,770
Variable Cost/Acre Inch	0.923	0.920
Variable Costs/Acre	29.52	32.21
Fixed Costs		
Interest on Investment	1,683.59	1,683.59
Other Fixed Costs	1,954.15	2,031.15
Total Fixed Costs	\$3,637.75	\$3,714.74
Fixed Cost/Acre Inch	0.512	0.478
Fixed Cost/Acre	16.39	16.73
Total Costs	\$10,192.07	\$10,864.55
Total Costs/Acre Inch	1.435	1.398
Total Costs/Acre	45.91	48.94

The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

Appendix Table 8. Summary of Estimated Irrigation Costs for a Well 12 Inches in Diameter and 100 Feet Deep with a Diesel Power Unit, Northeast Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	200	200
Acres Inches of Irrigation Water Applied	8,000	7,200
Variable Costs		
Fuel at \$1.17 per gal	6,253.86	5,628.48
Oil	205.85	187.09
Oil Filters	112.86	102.57
Oil Change Labor	84.64	76.93
Gearhead Lubrication (labor included)	22.70	22.70
Repair and Maintenance (.5% of engine price)	41.75	41.75
Daily Inspection	85.71	77.14
Total Variable Cost (Power Unit)	\$6,807.38	\$6,136.66
Variable Costs (Well & Pump)	201.52	187.87
Total Variable Costs	\$7,008.90	\$6,324.53
Acres Inches Applied	8,000	7,200
Variable Cost/Acre Inch	0.876	0.878
Variable Costs/Acre	35.04	31.62
Fixed Costs		
Interest on Investment	1,035.01	1,035.01
Other Fixed Costs	1,761.48	1,639.00
Total Fixed Costs	\$2,796.49	\$2,674.01
Fixed Cost/Acre Inch	0.350	0.371
Fixed Cost/Acre	13.98	13.37
Total Costs	\$9,805.39	\$8,998.54
Total Costs/Acre Inch	1.226	1.250
Total Costs/Acre	49.03	44.99

Representative system used for Northeast Louisiana rice budgets. The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

Appendix Table 7. Summary of Estimated Irrigation Costs for a Surface Water Source with an Electric Power Unit, Southwest Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acres Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at \$0.09 per kwh	7,345.22	8,033.84
Oil	6.08	6.08
Oil Change Labor	7.50	7.50
Repair and Maintenance (.5% of engine price)	18.88	18.88
Daily Inspection	53.28	58.28
Connection Charge	250.00	250.00
Total Variable Cost (Power Unit)	\$7,680.96	\$8,374.57
Variable Costs (Well & Pump)	266.51	282.42
Total Variable Costs	\$7,947.47	\$8,656.99
Acres Inches Applied	7,104	7,770
Variable Cost/Acre Inch	1.119	1.114
Variable Costs/Acre	35.80	39.00
Fixed Costs		
Interest on Investment	1,501.68	1,501.68
Other Fixed Costs	1,484.33	1,517.28
Total Fixed Costs	\$2,986.01	\$3,018.96
Fixed Cost/Acre Inch	0.420	0.389
Fixed Cost/Acre	13.45	13.60
Total Costs	\$10,933.48	\$11,675.95
Total Costs/Acre Inch	1.539	1.503
Total Costs/Acre	49.25	52.59

The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

Appendix Table 9. Summary of Estimated Irrigation Costs for a Well 12 Inches in Diameter and 100 Feet Deep with an Electric Power Unit, Northeast Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	200	200
Acres Inches of Irrigation Water Applied	8,000	7,200
Variable Costs		
Fuel at \$0.09 per kwh	6,781.82	6,103.64
Oil	6.08	6.08
Oil Change Labor	7.50	7.50
Repair and Maintenance (.5% of engine price)	21.08	21.08
Daily Inspection	42.86	38.57
Connection Charge	250.00	250.00
Total Variable Cost (Power Unit)	\$7,109.34	\$6,426.87
Variable Costs (Well & Pump)	190.20	176.55
Total Variable Costs	\$7,299.54	\$6,603.42
Acres Inches Applied	8,000	7,200
Variable Cost/Acre Inch	0.912	0.917
Variable Costs/Acre	36.50	33.02
Fixed Costs		
Interest on Investment	830.24	830.24
Other Fixed Costs	1,182.93	1,118.30
Total Fixed Costs	\$2,013.17	\$1,948.55
Fixed Cost/Acre Inch	0.252	0.271
Fixed Cost/Acre	10.07	9.74
Total Costs	\$9,312.71	\$8,551.97
Total Costs/Acre Inch	1.164	1.188
Total Costs/Acre	46.56	42.76

The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

SOURCE: Salassi, Michael E., and Joseph A. Musick. An Economic Analysis of Rice Irrigation Pumping Systems in Louisiana, D.A.E. Research Report No. 617, Department of Agricultural Economics and Agribusiness, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge, July, 1983.

Appendix Table 10. Summary of Estimated Irrigation Costs for a Surface Water Source with a Diesel Power Unit, Northeast Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	200	200
Acres Inches of Irrigation Water Applied	8,000	7,200
Variable Costs		
Fuel at \$1.17 per gal	5,175.95	4,658.35
Oil	188.70	171.50
Oil Filters	112.86	102.57
Oil Change Labor	84.64	76.93
Gearhead Lubrication (labor included)	22.70	22.70
Repair and Maintenance (.5% of engine price)	37.50	37.50
Daily Inspection	85.71	77.14
Total Variable Cost (Power Unit)	\$5,708.06	\$5,146.69
Variable Costs (Well & Pump)	184.60	170.95
Total Variable Costs	\$5,892.65	\$5,317.64
Acres Inches Applied	8,000	7,200
Variable Cost/Acre Inch	0.737	0.739
Variable Costs/Acre	29.46	26.59
Fixed Costs		
Interest on Investment	719.27	719.27
Other Fixed Costs	1,193.62	1,099.77
Total Fixed Costs	\$1,912.89	\$1,819.04
Fixed Cost/Acre Inch	0.239	0.253
Fixed Cost/Acre	9.56	9.10
Total Costs	\$7,805.55	\$7,136.68
Total Costs/Acre Inch	0.976	0.991
Total Costs/Acre	39.03	35.68

The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

Appendix Table 12. Summary of Estimated Irrigation Costs for a Well 10 inches in Diameter and 200 Feet Deep with a Diesel Power Unit, Water Planted, Central Louisiana, 2001.

Item	Costs
Acres	200
Acres Inches of Irrigation Water Applied	7,600
Variable Costs	
Fuel at \$1.17 per gal	10,430.32
Oil	282.72
Oil Filters	124.00
Oil Change Labor	93.00
Gearhead Lubrication (labor included)	22.70
Repair and Maintenance (.5% of engine price)	54.21
Daily Inspection	95.00
Total Variable Cost (Power Unit)	\$11,101.94
Variable Costs (Well & Pump)	217.65
Total Variable Costs	\$11,319.60
Acres Inches Applied	7,600
Variable Cost/Acre Inch	1.489
Variable Costs/Acre	56.60
Fixed Costs	
Interest on Investment	1,303.50
Other Fixed Costs	2,239.36
Total Fixed Costs	\$3,542.86
Fixed Cost/Acre Inch	0.466
Fixed Cost/Acre	17.71
Total Costs	\$14,862.46
Total Costs/Acre Inch	1.956
Total Costs/Acre	74.31

Representative system used for Central Louisiana rice budgets. The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

Appendix Table 11. Summary of Estimated Irrigation Costs for a Surface Water Source with an Electric Power Unit, Northeast Louisiana, 2001.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	200	200
Acres Inches of Irrigation Water Applied	8,000	7,200
Variable Costs		
Fuel at \$0.09 per kwh	3,913.30	3,521.97
Oil	6.08	6.08
Oil Change Labor	7.50	7.50
Repair and Maintenance (.5% of engine price)	13.83	13.83
Daily Inspection	42.86	38.57
Connection Charge	250.00	250.00
Total Variable Cost (Power Unit)	\$4,233.57	\$3,837.96
Variable Costs (Well & Pump)	174.13	160.48
Total Variable Costs	\$4,407.70	\$3,998.44
Acres Inches Applied	8,000	7,200
Variable Cost/Acre Inch	0.551	0.555
Variable Costs/Acre	22.04	19.99
Fixed Costs		
Interest on Investment	500.82	500.82
Other Fixed Costs	629.24	591.83
Total Fixed Costs	\$1,130.06	\$1,092.65
Fixed Cost/Acre Inch	0.141	0.152
Fixed Cost/Acre	5.65	5.46
Total Costs	\$5,537.76	\$5,091.09
Total Costs/Acre Inch	0.692	0.707
Total Costs/Acre	27.69	25.46

The same system was used for both planting methods. Rounding procedures account for discrepancies between total amounts and per acre amounts.

SOURCE: Salassi, Michael E., and Joseph A. Musick. An Economic Analysis of Rice Irrigation Pumping Systems in Louisiana. D.A.E. Research Report No. 617, Department of Agricultural Economics and Agribusiness, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge, July, 1983.

Appendix Table 13. Tractors: estimated useful life, annual use, purchase price, repair cost, fuel consumption rate, and direct and fixed cost per hour, Louisiana, 2001.

ITEM NAME	SIZE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	FUEL CONS RATE	--DIRECT COST--	--FIXED COST--
		years	hours	dollars	percent	/hour	\$/hr	\$/hr
Double Hitch	dblhitch	10	1000	0	100	0.00	0.00	0.00
Lg 4wd (base) LS	300	16	625	115,000	96	14.40	27.88	18.01
Lg 4wd. (base)	300	16	625	115,000	96	14.40	27.88	18.01
Lg 4wd. w/PS,3pt,pto	300	16	625	132,000	96	14.40	29.52	20.68
Pickup Truck	1½ ton	5	800	17,000	45	2.50	5.48	4.72
Sm 4wd base (LS)	225	16	625	97,500	96	10.80	21.99	15.27
Sm 4wd. (base)	225	16	625	97,500	96	10.80	21.99	15.27
Sm 4wd. w/PS,3pt,pto	225	16	625	115,000	96	10.80	23.67	18.01
Tractor 106-130	118	16	625	70,000	104	6.80	15.23	10.96
Tractor 131-155	143	16	625	80,000	99	8.10	17.39	12.53
Tractor 131-155 (GC)	143	16	625	80,000	99	5.99	14.93	12.53
Tractor 15-30	23	16	625	12,000	170	1.60	4.32	1.88
Tractor 156-180	168	16	625	90,000	95	9.70	19.89	14.10
Tractor 31-55	43	16	625	17,500	159	2.70	5.94	2.74
Tractor 56-80	68	16	625	25,000	138	4.20	8.36	3.91
Tractor 80-105	93	16	625	50,000	108	5.40	11.71	7.83
Tractor 80-105 (GC)	93	16	625	50,000	108	3.99	10.07	7.83

Appendix Table 14. 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, 2001.

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	FUEL CONS RATE	--DIRECT COST--	--FIXED COST--		
		hrs/ac	years	hours	dollars	percent	/hour	\$/hr	\$/ac	\$/hr	\$/ac
Combine corn	20 Ft	0.210	10	300	162,000	60	7.10	40.70	8.54	70.74	14.85
Combine double crop	20 Ft	0.210	6	500	150,000	60	7.10	38.30	8.04	57.51	12.07
Combine large	25 Ft	0.170	10	300	165,000	60	8.60	43.06	7.32	72.05	12.24
Combine medium	20 Ft	0.210	10	300	150,000	60	7.10	38.30	8.04	65.50	13.75
Combine Rice	25 Ft	0.300	10	300	165,000	60	8.60	43.06	12.91	72.05	21.61
Combine Rice second	25 Ft	0.160	10	300	165,000	60	8.60	43.06	6.88	72.05	11.52
Cotton Picker	2 Row	0.580	10	250	120,000	85	7.70	49.80	28.88	62.88	36.47
Cotton Picker	4 Row	0.260	10	250	190,000	85	9.60	75.83	19.71	99.56	25.88
Cotton Picker	5-row	0.200	10	250	205,000	85	9.60	80.93	16.18	107.42	21.48
Cotton Picker second	2 Row	0.400	10	250	120,000	85	7.70	49.80	19.92	62.88	25.15
Cotton Picker second	4 Row	0.200	10	250	190,000	85	9.60	75.83	15.16	99.56	19.91
Crawfish combine		1.000	10	400	6,500	55	3.50	4.98	4.98	2.12	2.12
Hi-cycle sprayer	60 Ft	0.033	12	250	60,000	60	2.90	15.39	0.50	27.86	0.91
Pickup truck	1/2 ton	1.000	5	800	17,000	45	2.50	5.48	5.48	4.72	4.72
Truck	1 ton	1.000	10	400	25,500	50	3.00	7.47	7.47	8.35	8.35
Truck	2 ton	1.000	10	400	30,000	50	3.70	9.04	9.04	9.82	9.82
Truck	5 ton	1.000	10	400	37,000	50	5.00	11.77	11.77	12.11	12.11

Appendix Table 15. Implements: estimated performance rate, useful life, annual use, purchase price, repair cost, and direct and fixed cost per hour and per acre, Louisiana, 2001.

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	--DIRECT COST--	--FIXED COST--		
		hrs/ac	years	hours	dollars	percent	\$/hr	\$/ac	\$/hr	\$/ac
Backhoe		1.000	10	100	6,000	88	5.28	5.28	7.86	7.86
Baler conventional	20 ft	0.140	10	150	14,000	92	8.58	1.20	12.22	1.71
Baler Round	Large	0.200	10	150	20,000	94	12.53	2.50	17.46	3.49
Boll buggy	6 bale	1.000	12	200	18,000	80	6.00	6.00	10.45	10.45
Boom sprayer	30 ft	0.060	8	150	3,000	110	2.75	0.16	3.07	0.18
Chisel plow	13.3 ft	0.140	10	200	6,000	88	2.64	0.36	3.93	0.55
Chisel plow	20 ft	0.090	10	200	12,000	88	5.28	0.47	7.86	0.70
Conditioner	13.3 ft	0.150	6	200	4,500	88	3.30	0.49	4.31	0.64
Conditioner	20 ft	0.090	6	200	6,500	88	4.76	0.42	6.23	0.56
Conditioner	26.6 Ft	0.070	6	200	8,500	88	6.23	0.43	8.14	0.57
Cult + Post(2x1)skip	26.6 ft	0.080	10	200	10,000	88	4.40	0.35	6.55	0.52
Cultimulcher	12 Ft	0.160	15	120	5,500	88	2.68	0.43	4.65	0.74
Cultivate + post	13.3 ft	0.160	10	200	6,250	88	2.75	0.44	4.09	0.65
Cultivate + Post	20 ft	0.110	10	200	8,200	88	3.60	0.39	5.37	0.59
Cultivate + Post	26.6 ft	0.080	10	200	12,000	88	5.28	0.42	7.86	0.62
Cultivator	13.3 ft	0.140	10	200	4,500	88	1.98	0.27	2.94	0.41
Cultivator	20 ft	0.100	10	200	6,550	88	2.88	0.28	4.29	0.42
Cultivator	26.6 ft	0.080	10	200	9,000	88	3.96	0.31	5.89	0.47
Cultivator	6-Row30"	0.140	10	200	5,350	88	2.35	0.32	3.50	0.49
Cultivator (2x1)skip	26.6 ft	0.080	10	200	8,000	88	3.52	0.28	5.24	0.41
Disk	13.3 ft	0.150	10	200	8,500	88	3.74	0.56	5.56	0.83
Disk	20 ft	0.100	10	200	17,500	88	7.70	0.77	11.46	1.14
Disk	26.6 ft	0.070	10	200	21,000	88	9.24	0.64	13.75	0.96
Disk	6 ft	0.410	10	200	1,750	88	0.77	0.31	1.14	0.46
Disk (water)	20 ft	0.350	10	200	17,500	88	7.70	2.69	11.46	4.01
Disk + pre	13.3 ft	0.160	10	200	9,250	88	4.07	0.65	6.05	0.96

Appendix Table 15. Implements: estimated performance rate, useful life, annual use, purchase price, repair cost, and direct and fixed cost per hour and per acre, Louisiana, 2001.

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	--DIRECT COST--	--FIXED COST--		
		hrs/ac	years	hours	dollars	percent	\$/hr	\$/ac	\$/hr	\$/ac
Disk + pre	20 ft	0.100	10	200	18,700	88	8.22	0.82	12.24	1.22
Disk + pre	26.6 ft	0.070	10	200	22,500	88	9.90	0.69	14.73	1.03
Ditcher rotary	1.5 ft	0.050	10	100	2,500	88	2.20	0.11	3.27	0.16
Ditcher side	1.5 ft	0.050	10	200	3,750	88	1.65	0.08	2.45	0.12
Doall (water)	20 ft	0.350	15	100	8,000	88	4.69	1.64	8.12	2.84
Dozer blade	10ft	0.850	20	100	3,500	66	1.15	0.98	3.06	2.60
Drag	14 ft	0.130	8	200	800	88	0.44	0.05	0.61	0.07
Fertilizer app (R)	20 ft	0.090	10	200	1	0	0.00	0.00	0.00	0.00
Fertilizer app anh	18 ft	0.170	8	150	6,000	93	4.65	0.79	6.14	1.04
Fertilizer app liq	18 ft	0.130	10	130	5,500	110	4.65	0.60	5.54	0.72
Fertilizer buggy	30 ft	0.060	10	150	6,500	88	3.81	0.22	5.67	0.34
Fertilizer buggy (R)	30 ft	0.060	10	150	1	0	0.00	0.00	0.00	0.00
Field cult + pre	20 ft	0.100	10	200	9,750	88	4.29	0.42	6.38	0.63
Field cult + pre	32 ft	0.060	10	200	16,500	88	7.26	0.43	10.80	0.64
Field cultivator	20 ft	0.090	10	200	8,750	88	3.85	0.34	5.73	0.51
Field cultivator	32 ft	0.050	10	200	15,500	88	6.82	0.34	10.15	0.50
Frontend loader	3/4 cu yd	1.000	15	100	5,500	88	3.22	3.22	5.58	5.58
Grain cart	450 bu	1.000	15	175	9,000	71	2.43	2.43	5.22	5.22
Grain drill	12 ft	0.210	8	200	7,500	77	3.60	0.75	5.76	1.20
Grain drill	20 ft	0.100	8	200	16,500	77	7.94	0.79	12.67	1.26
Harrow	6 Ft	0.410	10	300	800	88	0.23	0.09	0.34	0.14
Hay fork	2	1.000	10	300	725	88	0.21	0.21	0.31	0.31
Hay rake	10 Ft	0.200	10	150	4,000	110	2.93	0.58	3.49	0.69
Hay rake	15 ft	0.130	10	150	4,350	110	3.19	0.41	3.79	0.49
Hay tedder	10 ft	0.200	10	150	2,700	110	1.98	0.39	2.35	0.47
Hipper	13.3 ft	0.150	10	200	4,500	88	1.98	0.29	2.94	0.44
Hipper	20 ft	0.090	10	200	7,200	88	3.16	0.28	4.71	0.42
Hipper	26.6 ft	0.070	10	200	9,200	88	4.04	0.28	6.02	0.42
Hipper + Fert	20 ft	0.110	10	200	8,500	88	3.74	0.41	5.56	0.61
Land level	13 ft	0.190	15	200	7,500	66	1.65	0.31	3.80	0.72
Laser Equipment		1.560	10	350	17,500	20	1.00	1.56	6.55	10.21
Laser Equipment #2		1.000	10	350	17,500	20	1.00	1.00	6.55	6.55
Laser Scraper	9 cu. yd	1.560	15	350	9,500	66	1.19	1.86	2.75	4.29
Levee plow	8 Ft	0.050	10	150	4,600	50	1.53	0.07	4.01	0.20
Manure spreader	110 yd	1.000	15	100	6,550	88	3.84	3.84	6.64	6.64
Middle buster	13.3 ft	0.150	15	100	2,400	70	1.12	0.16	2.43	0.36
Module Builder	32 Ft	1.000	12	125	22,000	80	11.73	11.73	20.43	20.43
Molboard 4 bottom	6 Ft	0.330	15	200	2,000	108	0.72	0.23	1.01	0.33
Mower conditioner	9 Ft	0.190	10	150	10,000	198	13.20	2.50	8.73	1.65
Mower drum	6.7 Ft	0.250	10	150	4,400	44	1.29	0.32	3.84	0.96
Mower sickle	9 Ft	0.340	10	150	3,750	176	4.40	1.49	3.27	1.11
Mtd. Boom Sprayer	15 ft.	0.145	8	150	1,800	110	1.65	0.23	1.84	0.26
No till drill (15)	15 ft	0.145	8	200	26,000	71	11.53	1.67	19.97	2.89
No till planter	20 Ft	0.100	8	200	27,500	117	20.10	2.01	21.12	2.11
Nurse tank	1000 gal	0.130	10	130	3,500	22	0.59	0.07	3.52	0.45
Plant + pre	13.3 ft	0.160	8	200	12,000	77	5.77	0.92	9.21	1.47
Plant + pre	20 Ft	0.110	8	200	18,000	77	8.66	0.95	13.82	1.52
Plant + pre	26.6 Ft	0.080	8	200	24,000	77	11.55	0.92	18.43	1.47
Plant + Pre (2x1)	26.6 ft	0.080	8	200	20,000	77	9.62	0.77	15.36	1.22
Planter	13.3 ft	0.140	8	200	10,500	77	5.05	0.70	8.06	1.12
Planter	20 Ft	0.090	8	200	16,500	77	7.94	0.71	12.67	1.14
Planter	26.6 ft	0.070	8	200	21,000	77	10.10	0.70	16.13	1.12
Planter	6row 30"	0.140	8	200	15,000	77	7.21	1.01	11.52	1.61
Ridge tiller	26.6 ft	1.000	12	200	18,000	80	6.00	6.00	10.45	10.45
Ripper- hipper	13.3 ft	0.160	10	200	7,000	88	3.08	0.49	4.58	0.73
Rotary hoe	18 ft	0.080	20	75	4,500	110	3.30	0.26	5.24	0.41
Rotary mower	13.3 ft	0.130	10	150	7,000	44	2.05	0.26	6.11	0.79
Rotary mower	6.7 ft	0.150	10	150	2,500	44	0.73	0.11	2.18	0.32
Self unload wagon	4 ton	0.100	10	100	7,000	110	7.70	0.77	9.17	0.91
Setaside Maint.	disc	0.100	10	200	17,500	88	7.70	0.77	11.46	1.14
Silage Blower	large	0.060	10	100	5,500	71	3.90	0.23	7.20	0.43
Silage Blower	small	0.080	10	100	4,200	71	2.98	0.23	5.50	0.44
Silage harvester	1 row	0.080	10	100	12,500	71	8.87	0.71	16.37	1.31
Silage Harvester	2 row	0.060	10	100	22,000	71	15.62	0.93	28.82	1.72
Silage Wagon	6 tons	0.080	10	100	6,500	71	4.61	0.36	8.51	0.68
Silage Wagon	8 tons	0.060	10	100	7,000	71	4.97	0.29	9.17	0.55
Sodseeder	12 ft	0.110	8	200	6,500	77	3.12	0.34	4.99	0.54
Spike harrow	18 ft	0.080	10	200	2,000	88	0.88	0.07	1.31	0.10
Spike harrow (dbl)	18 ft	0.080	10	200	2,000	88	0.88	0.07	1.31	0.10
Sprayer cattle	6 ft	1.000	15	70	700	71	0.47	0.47	1.01	1.01
Sprigger	60 bu	0.400	10	100	8,500	77	6.54	2.61	11.13	4.45
Springtooth harrow	20 ft	0.110	13	150	3,500	132	2.36	0.26	2.57	0.28
Stalk cutter	13.3 ft	0.130	10	150	8,000	44	2.34	0.30	6.98	0.90
Stalk cutter	6.7 ft	0.250	10	150	2,750	44	0.80	0.20	2.40	0.60
Subsoiler	3 shank	0.400	15	100	2,500	100	1.66	0.66	2.53	1.01
Tractor blade	6 ft	1.000	15	100	500	137	0.45	0.45	0.50	0.50
Tractor Spreader	20 ft	0.110	10	150	700	88	0.41	0.04	0.61	0.06
Trailer cotton	10 bale	1.000	15	200	5,500	88	1.61	1.61	2.79	2.79
Trailer gooseneck	6 ft	1.000	15	100	5,000	88	2.93	2.93	5.07	5.07
Trailer hay	6 Ft	0.500	15	100	2,000	88	1.17	0.58	2.03	1.01
Trailer utility	10 Ft	1.000	15	200	2,000	35	0.23	0.23	1.01	1.01
V- Ripper	7 shank	0.170	15	100	4,200	110	3.08	0.52	4.26	0.72
V-Ripper	9 shank	0.130	15	100	5,600	110	4.10	0.53	5.68	0.73
Water level	16 Ft	0.220	15	100	2,750	66	1.21	0.26	2.79	0.61
Water/Laser Level	16	1.000	15	100	2,750	66	1.21	1.21	2.79	2.79

Appendix Table 16. Other durable inputs: estimated repair cost, fuel consumption rate, direct cost per unit of measure, and fixed cost per unit of measure or per acre, Louisiana, 2001.

ITEM NAME	UNIT	REPAIR	FUEL	DIRECT COST	----FIXED COST----	
		COST	CONS RATE			
		\$/U of M	/U of M	\$/U of M	\$/U of M	\$/acre
Irg sys 29 sec wlord	acin	0.000	2.227	2.605	0.293	
Irr sys 16 WLWP	acin	0.000	0.342	1.453		31.60
Irr sys 11 WLCTDP	acin	0.000	2.227	2.605		29.99
Irr sys 11 WLCTWP	acin	0.000	2.227	2.605		30.23
Irr sys 11 WLDP	acin	0.000	2.227	2.605		31.20
Irr sys 11 WLWP	acin	0.000	2.227	2.605		32.07
Irr sys 14 fld. DP	acin	0.101	0.342	1.554		30.75
Irr sys 14 fld. WP	acin	0.097	0.342	1.550		31.60
Irr sys 16 fld. WLDP	acin	0.000	0.342	1.453		30.75
Irr sys 18 fl DP	acin	0.096	31.400	2.922		25.51
Irr sys 18 fl WP	acin	0.090	31.400	2.916		26.00
Irr sys 20 WLDP	acin	0.000	31.400	2.826		25.51
Irr sys 20 WLWP	acin	0.000	31.400	2.826		26.00
Irr sys 22 fld. WP	acin	0.130	0.915	1.200		17.21
Irr sys 22, fld, DP	acin	0.132	0.915	1.202		16.84
Irr sys 24 fld, WP	acin	0.078	0.140	0.673		16.73
Irr sys 24, fld, DP	acin	0.080	0.140	0.675		16.39
Irr sys 26 fl, WP	acin	0.080	11.488	1.113		13.59
Irr sys 26, fld., DP	acin	0.088	11.488	1.121		13.45
Irr sys 30, fld, DP	acin	0.065	9.419	0.912		10.06
Irr sys 30, fld, WP	acin	0.069	9.419	0.916		9.74
Irr sys 31 fld, WP	acin	0.066	5.435	0.555		5.46
Irr sys 31, fld, DP	acin	0.062	5.435	0.551		5.65
Irr sys 32 fld, WP	acin	0.092	0.553	0.739		9.06
Irr sys 32, fld, DP	acin	0.090	0.553	0.737		9.56
Irr sys 4, fld, DP	acin	0.094	0.668	0.875		13.98
Irr sys 4, fld, WP	acin	0.097	0.668	0.878		13.37
Irr sys 6, fld, WLDP	acin	0.000	0.668	0.781		13.98
Irr sys 6, WLWP	acin	0.000	0.668	0.781		13.37
Irr sys 9 fl CTDp	acin	0.179	2.227	2.784		29.99
Irr sys 9 fl CTWP	acin	0.178	2.227	2.783		30.23
Irr sys 9 fl DP	acin	0.172	2.227	2.777		31.20
Irr. Sys13,flood, WL	acin	0.000	1.173	1.372		17.71
Irrig sys 9 fl WP	acin	0.169	2.227	2.774		32.07
Irrig. sys. 1 pivot	acin	0.610	2.140	3.113		38.70
Irrig. sys. 10 fl DP	acin	0.172	0.000	0.172		
Irrig. sys. 10 fl WP	acin	0.169	0.000	0.169		
Irrig. sys. 12second	acin	0.169	2.227	2.774	0.293	
Irrig. sys. 15 flood	acin	0.092	0.000	0.092		
Irrig. sys. 2 Pipe	acin	0.662	1.408	2.309		27.75
Irrig. sys. 3 gun	acin	1.048	2.255	3.686		44.06
Irrig. sys. 5 flood	acin	0.094	0.000	0.094		
Irrig. sys. 7	acin	0.910	2.110	3.378		47.33
Irrig. sys.13 flood	acin	0.117	1.173	1.489		17.71
Irrig. sys.17 second	acin	0.092	0.342	1.545	0.284	
Irrig. sys.19 flood	acin	0.089	0.000	0.089		
Irrig. sys.21 second	acin	0.089	31.330	2.908	0.164	
Irrig. sys.23 second	acin	0.122	0.915	1.192	0.131	
irrig. sys.25 second	acin	0.075	0.140	0.670	0.122	
Irrig. sys.27 second	acin	0.079	11.488	1.112	0.056	
Irrig. sys.28 second	acin	0.154	0.000	0.154		
Irrig.sys. 8 pipe	acin	0.080	6.630	0.676		23.04
Pond & equipment	acre	4.840	0.000	4.840		105.84
shop bld.& equip.	acre	6.660	0.000	6.660	5.660	

Appendix Table 17. Estimated costs and returns per acre. Overhead Costs, Owner-operator, Louisiana 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HIRED LABOR					
Other labor	hour	7.50	1.2700	9.53	_____
OTHER					
Farmstead & drainage	dol	1.00	4.2500	4.25	_____
Utilities	dol	1.00	4.7900	4.79	_____
Misc. overhead	dol	1.00	1.6000	1.60	_____
Insurance	dol	1.00	2.7300	2.73	_____
Property tax	dol	1.00	1.6000	1.60	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.1650	1.23	_____
Self-Propelled Eq.	hour	7.50	1.5000	11.25	_____
shop bld.& equip.	hour	7.50	0.5800	4.35	_____
DIESEL FUEL					
Tractors	gal	1.17	0.4050	0.47	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	3.7500	5.36	_____
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	_____
Tractors	acre	0.41	1.0000	0.41	_____
Self-Propelled Eq.	acre	2.86	1.0000	2.86	_____
shop bld.& equip.	acre	6.66	1.0000	6.66	_____
INTEREST ON OP. CAP.	acre	2.94	1.0000	2.94	_____
TOTAL DIRECT EXPENSES				60.17	_____
FIXED EXPENSES					
Implements	acre	0.32	1.0000	0.32	_____
Tractors	acre	0.41	1.0000	0.41	_____
Self-Propelled Eq.	acre	7.08	1.0000	7.08	_____
shop bld.& equip.	acre	5.66	1.0000	5.66	_____
TOTAL FIXED EXPENSES				13.48	_____
TOTAL SPECIFIED EXPENSES				73.65	_____

Appendix Table 18. Estimated costs and returns per acre. Overhead Costs, Tenant-operator, Louisiana 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HIRED LABOR					
Other labor	hour	7.50	0.7600	5.70	_____
OTHER					
Farmstead & drainage	dol	1.00	1.5700	1.57	_____
Utilities	dol	1.00	2.8100	2.81	_____
Misc. overhead	dol	1.00	1.6000	1.60	_____
Insurance	dol	1.00	2.2900	2.29	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.1650	1.23	_____
Self-Propelled Eq.	hour	7.50	1.5000	11.25	_____
shop bld.& equip.	hour	7.50	0.5800	4.35	_____
DIESEL FUEL					
Tractors	gal	1.17	0.4050	0.47	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	3.7500	5.36	_____
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	_____
Tractors	acre	0.41	1.0000	0.41	_____
Self-Propelled Eq.	acre	2.86	1.0000	2.86	_____
shop bld.& equip.	acre	6.66	1.0000	6.66	_____
INTEREST ON OP. CAP.	acre	2.45	1.0000	2.45	_____
TOTAL DIRECT EXPENSES				49.15	_____
FIXED EXPENSES					
Implements	acre	0.32	1.0000	0.32	_____
Tractors	acre	0.41	1.0000	0.41	_____
Self-Propelled Eq.	acre	7.08	1.0000	7.08	_____
shop bld.& equip.	acre	5.66	1.0000	5.66	_____
TOTAL FIXED EXPENSES				13.48	_____
TOTAL SPECIFIED EXPENSES				62.63	_____