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PROJECTED COSTS AND RETURNS - RICE, LOUISIANA, 1997

PROJECTED COSTS AND RETURNS - SOYBEANS, CORN, MILO, WHEAT, AND WHEAT-SOYBEAN DOUBLE CROP, SOUTHWEST LOUISIANA, 1997

by

G. Grant Giesler and Michael E. Salassi

Louisiana State University Agricultural Center
H. Rouse Caffey, Chancellor

Louisiana Agricultural Experiment Station
R. Larry Rogers, Vice-Chancellor and Director

Department of Agricultural Economics and Agribusiness

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G. Grant Giesler and Michael E. Salassi[1]

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 1997 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.

The purpose of this report is to provide for tenant and owner operator situations the 1997 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 AREAS[2]

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 the 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.

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[1]Research Associate and Associate 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 1997 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 3.0 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 Division of Natural Resources and Economic Development, Louisiana Cooperative Extension Service, or the Department of Agricultural Economics and Agribusiness, Louisiana Agricultural Experiment Station.

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 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 1997. 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 month

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

[4]Mention 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.

(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 $0.85 per gallon, $1.20 per gallon, $0.09 per kWh and $4.25 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 $9.75 per hundredweight. No government 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.

Price projections for the other enterprises were made in November, 1996 based upon market projections and futures markets. Crop prices used were $6.50 per bushel for soybeans, $2.70 per bushel for corn, $4.50 per hundredweight for milo, and $3.70 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 1988 -1995 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.

[5]The $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, recordkeeping, 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 18 and 19. 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 recordkeeping) 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. he has 100 percent equity in the land). If a person is in the

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[6]Huffman, 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. he 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 represents the income, excluding any farm program payments, 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 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 1997 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 ($9.75 per cwt.). No government 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 of the irrigation fuel and repair 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, based on survey results, that was treated in 1991, and expert opinion of the percentage in 1996.

The percentage of the total planted acre treated with fungicides, Furadan 3G, and Methyl Parathion were 35, 52, and 13 percent, respectively. The estimated cost per acre 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.[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 per acre of 10 inch plastic pipe. 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 26. Results are summarized in Table 1. Given an estimated market price of $9.75 per cwt. and excluding government payments, returns are sufficient for all first crop situations to cover specified direct and fixed expenses with the exception of tenant-operator, water planted rice. It is important to note that these costs do not include estimated overhead costs. With overhead costs included, no first crop situations have a positive return. For the second crop, returns for both owner-operator and tenant-operator situations cover total specified costs. The return on investment is positive for landlords, but negative for waterlords.

Soybean Budgets

Soybean projected costs and returns for 1997 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. At a product price of $6.50 per bushel, income is sufficient to cover total

[7]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, Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge, Louisiana, July 1983.

specified costs for all owner-operator situations, but only direct costs can be covered by tenant operator situations. None of the situations cover total specified expenses plus overhead.

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. The rental arrangement was assumed to be 1/5 crop share to the landlord with the landlord paying 1/5 of the drying costs. At a product price of $2.70 per bushel, only owner-operators can expect to cover their direct and fixed expenses. Tenant-operators can only cover direct expenses. Neither tenure arrangement covers total specified costs plus overhead.

Milo Budgets

Projected costs and returns were developed for a drill-planted milo enterprise for owner and tenant-operator situations. Rental arrangements were assumed to be 1/5 crop share to the landlord with the landlord not sharing in any costs. Results of the enterprise budgeting analysis indicate that only owner-operators should be able to recover total direct and fixed expenses. At a product price of $4.50 per hundredweight (and gross yield of 37 cwt.), neither situation covers total specified expenses plus overhead.

Wheat Budgets

Enterprise budget projections for drill-planted wheat indicate that returns at a product price of $3.70 per bushel (and a gross yield of 34 bu.) are sufficient to cover direct expenses only for owner operators. Neither situation would be able to cover total specified expenses plus overhead. Rental arrangements were assumed to be 1/5 crop share to the landlord with no cost sharing on the part of the landlord.

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. Rental arrangements were assumed to be 1/5 crop share from both crops to the landlord with no cost sharing. Results indicate that both owner-operators and tenant-operators should be able to cover direct expenses. Returns above total specified expenses were positive for owner-operators, but negative for tenant operator situations. Neither tenure situation would be able to recover total specified expenses plus overhead.

Rice Budgets -- Central Louisiana

Because of the increased rice production in the Central Area 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 this budget were developed primarily by research and extension personnel with some producer input. Future surveys of producers in the area are planned.

Receipts for rice producers in Central Louisiana were calculated in the same way as for Southwest Louisiana rice producers (market price of $9.75 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.

Results from this analysis indicate that returns are sufficient to cover total specified costs plus estimated overhead costs.

Rice Budgets -- Northeast Louisiana

This report provides 1997 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.

Receipts for rice producers in Northeast Louisiana were calculated in the same way as for Southwest and Central Louisiana rice producers (market price of $9.75 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 the irrigation fuel and repair 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 that was treated in 1991, as indicated by survey results, and expert opinion of the percentage in 1996. The percentage of the total planted acre treated with fungicides, Furadan 3G, and Methyl Parathion were 20, 52, and 13 percent, respectively. Drying and storage costs were estimated as in Southwest Louisiana.

Irrigation costs shown in Northeast Louisiana rice budgets were estimated for 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.

Results from all Northeast rice budget situations indicate that returns are sufficient to cover specified direct and fixed costs, and overhead costs for owner-operators only. Tenant-operators can cover direct and fixed costs, but not estimated overhead costs. Return on investment for the landlord/waterlord is positive for both drill and water planted situations.

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 (but not necessarily per acre) rice production costs are highest in Southwest Louisiana. This is due primarily to the lower water pumping costs in Northeast Louisiana resulting from the more shallow wells (100 feet) versus Southwest Louisiana (300 feet). Tenant operators in Southwest Louisiana fare slightly better with respect to costs but not necessarily income, than their counterparts in the Northeast area due to more cost sharing on the part of landlords and waterlords in the Southwest. Drill-planted soybeans appear to have an advantage over row-planted soybeans for both tenure situations. Per acre costs of production are similar for both planting methods and comparable tenure situations; therefore, this advantage is primarily due to yield differences between the two methods. No till soybeans possess advantages over other soybean production systems due to lower costs. The milo and wheat enterprises appear to have definite cost (but not necessarily income) advantages relative to both the rice and soybean enterprises. The corn enterprise is more costly relative to all enterprises with the exceptions of rice and wheat-soybean double crop.

Breakeven selling prices are shown in Tables 3 and 4 for each enterprise situation budgeted. The breakeven selling price represents the cost of production per unit of output at a particular yield level. Therefore, a price higher than the breakeven price would have to be received before the operator would obtain a return above specified costs. Breakeven prices have been 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 breakeven analysis of total specified costs for tenant-operator situations does consider land cost, but not risk or overhead costs.

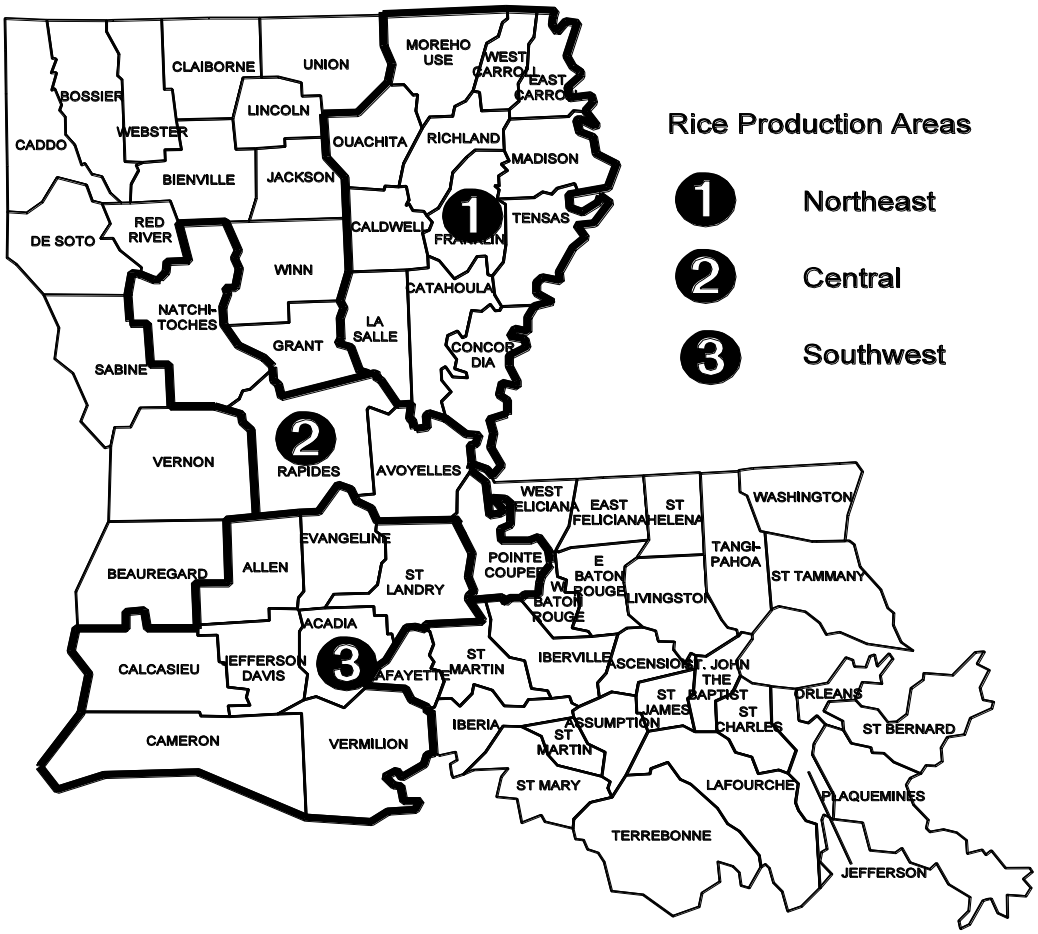

Figure 1. Louisiana Rice Production Areas.

Table 1. A Summary of Projected Costs and Returns per Acre for Rice Production in Louisiana, 1997.

Crop Description	Yield Per Acre	Unit	Total Income	Direct Expenses	Returns Over Direct Expenses	Fixed Expenses	Total Expenses	Returns Over Total Expenses
			---------- Dollars per Acre ----------					
Rice Enterprises:								
Southwest Louisiana								
Water Plant, Owner a/	48.00	cwt.	465.12	385.47	79.65	78.34	463.81	1.31
Water Plant, Tenant b/	28.80	cwt.	279.07	248.47	30.60	46.27	294.74	-15.67
Water Plant, "No Till", Owner a/	48.00	cwt.	465.12	382.45	82.67	77.84	460.29	4.83
Water Plant, Stale Seedbed, Owner a/	48.00	cwt.	465.12	384.56	80.56	79.55	464.11	1.01
Drill Plant, Owner a/	51.00	cwt.	494.19	367.34	126.85	81.37	448.71	45.48
Drill Plant, Tenant b/	30.60	cwt.	296.51	234.52	61.99	50.17	284.69	11.82
Drill Plant, "No Till", Owner a/	51.00	cwt.	494.19	371.70	122.49	82.80	454.50	39.69
Drill Plant, Stale Seedbed, Owner a/	51.00	cwt.	494.19	376.49	117.70	83.91	460.40	33.79
Second Cutting, Owner a/	16.00	cwt.	155.04	78.73	76.31	19.09	97.82	57.22
Second Cutting, Tenant b/	9.60	cwt.	93.02	46.44	46.58	16.16	62.60	30.42
Northeast La								
Water Plant, Owner a/	54.50	cwt.	528.11	299.45	228.66	61.73	361.18	166.93
Water Plant, Tenant b/	32.70	cwt.	316.86	246.02	70.84	46.52	292.54	24.32
Drill Plant, Owner a/	54.50	cwt.	528.11	295.85	232.26	67.21	363.06	165.05
Drill Plant, Tenant b/	32.70	cwt.	316.86	240.05	76.81	51.37	291.42	25.44
Central Louisiana								
Water Plant, Owner a/	50.00	cwt.	484.50	326.92	157.58	58.97	385.89	98.61

* Returns over total expenses do not include estimated overhead costs.
** Rice valued at estimated market price $9.75/cwt. No Government payments included.
a/ Land costs are 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. A Summary of Projected Costs and Returns per Acre for Soybean, Corn, Milo, Wheat, and Wheat-Soybean Double Crop Production, Southwest Louisiana, 1997. a/

Crop Description	Yield Per Acre	Unit	Total Income	Direct Expenses	Returns	Fixed Expenses	Total Expenses	Returns
			---------- Dollars per Acre ----------					
Soybean Enterprises:								
6-Row, Owner b/	25.50	bu.	165.75	125.78	39.97	32.68	158.46	7.29
6-Row, Tenant c/	20.40	bu.	132.60	124.23	8.37	32.68	156.91	-24.31
Drill Plant, Owner b/	28.00	bu.	182.00	133.40	48.60	31.76	165.16	16.84
Drill Plant, Tenant c/	22.40	bu.	145.60	131.70	13.90	31.76	163.46	-17.86
Drill Plant, No Till, Owner b/	28.00	bu.	182.00	126.39	55.61	24.62	151.01	30.99
Corn Enterprises:								
6-Row, Owner b/	100.00	bu.	270.00	187.71	82.29	39.39	227.10	42.90
6-Row, Tenant c/	80.00	bu.	216.00	183.87	32.13	39.39	223.26	-7.26
Milo Enterprises:								
Drill Plant, Owner b/	37.00	cwt.	166.50	121.23	45.27	27.88	149.11	17.39
Drill Plant, Tenant c/	29.60	cwt.	133.20	121.23	11.97	27.88	149.11	-15.91
Wheat Enterprises:								
Drill Plant, Owner b/	34.00	bu.	125.80	102.68	23.12	25.80	128.48	-2.68
Drill Plant, Tenant c/	27.20	bu.	100.64	102.68	-2.04	25.80	128.48	-27.84
Wheat-Soybean Double Crop								
Wheat-Soybean, Owner b/	34+26	bu.	294.80	200.96	93.84	47.85	248.81	45.99
Wheat-Soybean, Tenant c/	27.2+20.8	bu.	235.84	200.96	34.88	47.85	248.81	-12.97

* Returns over total expenses do not include estimated overhead costs.
a/ Crop prices used were $6.50 per bushel for soybeans, $2.70 per bushel for corn, $4.50 per hundredweight for milo and $3.70 per bushel for wheat.
b/ Land costs not included for owner operators.
c/ 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. Breakeven Selling Prices for Rice at Selected Yield Levels, Louisiana, 1997.a/

Crop Description	Total Costs b/	Total Variable Costs	Base Yield c/	Unit	Yield Level (%) -20	-10	Base	10	20
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS	Dollars/Acre				Dollars/Bu. (Cwt.)				
Southwest Louisiana:									
Rice, Water Plant, Owner	463.81		48.00	cwt.	11.73	10.58	9.66	8.91	8.29
Rice, Water Plant, Tenant	294.74		28.80	cwt.	12.44	11.21	10.23	9.43	8.76
Rice, Water Plant, "No Till", Owner	460.29		48.00	cwt.	11.63	10.50	9.59	8.85	8.23
Rice, Water Plant, Stale Seedbed, Owner	464.11		48.00	cwt.	11.73	10.59	9.67	8.92	8.29
Rice, Drill Plant, Owner	448.71		51.00	cwt.	10.65	9.62	8.80	8.13	7.57
Rice, Drill Plant, Tenant	284.69		30.60	cwt.	11.28	10.18	9.30	8.59	7.99
Rice, Drill Plant, "No Till", Owner	454.50		51.00	cwt.	10.79	9.75	8.91	8.23	7.66
Rice, Drill Plant, Stale Seedbed, Owner	460.40		51.00	cwt.	10.93	9.87	9.03	8.33	7.76
Rice, Second Cutting, Owner	97.82		16.00	cwt.	7.39	6.68	6.11	5.65	5.26
Rice, Second Cutting, Tenant	62.60		9.60	cwt.	7.90	7.13	6.52	6.02	5.60
Northeast Louisiana									
Rice, Water Plant, Owner	361.18		54.50	cwt.	7.93	7.21	6.63	6.15	5.76
Rice, Water Plant, Tenant	292.54		32.70	cwt.	10.83	9.78	8.95	8.26	7.69
Rice, Drill Plant, Owner	363.06		54.50	cwt.	7.97	7.25	6.66	6.18	5.79
Rice, Drill Plant, Tenant	291.42		32.70	cwt.	10.79	9.75	8.91	8.23	7.66
Central Louisiana									
Rice, Water Plant, Owner	385.89		50.00	cwt.	9.29	8.42	7.72	7.14	6.67
PRICES REQUIRED TO RECOVER VARIABLE COSTS									
Southwest									
Rice, Water Plant, Owner		385.47	48.00	cwt.	9.69	8.77	8.03	7.43	6.93
Rice, Water Plant, Tenant		248.47	28.80	cwt.	10.43	9.43	8.63	7.97	7.42
Rice, Water Plant, "No Till", Owner		382.45	48.00	cwt.	9.61	8.70	7.97	7.37	6.87
Rice, Water Plant, Stale Seedbed, Owner		384.56	48.00	cwt.	9.66	8.75	8.01	7.41	6.91
Rice, Drill Plant, Owner		367.34	51.00	cwt.	8.65	7.85	7.20	6.68	6.24
Rice, Drill Plant, Tenant		234.52	30.60	cwt.	9.23	8.36	7.66	7.10	6.62
Rice, Drill Plant, "No Till", Owner		371.70	51.00	cwt.	8.76	7.94	7.29	6.75	6.31
Rice, Drill Plant, Stale Seedbed, Owner		376.49	51.00	cwt.	8.88	8.05	7.38	6.84	6.39
Rice, Second Cutting, Owner		78.73	16.00	cwt.	5.90	5.36	4.92	4.57	4.27
Rice, Second Cutting, Tenant		46.44	9.60	cwt.	5.79	5.26	4.84	4.49	4.20
Northeast									
Rice, Water Plant, Owner		299.45	54.50	cwt.	6.52	5.95	5.49	5.12	4.81
Rice, Water Plant, Tenant		246.02	32.70	cwt.	9.05	8.20	7.52	6.97	6.50
Rice, Drill Plant, Owner		295.85	54.50	cwt.	6.43	5.87	5.43	5.06	4.76
Rice, Drill Plant, Tenant		240.05	32.70	cwt.	8.82	8.00	7.34	6.80	6.35
Central									
Rice, Water Plant, Owner		326.92	50.00	cwt.	7.82	7.11	6.54	6.07	5.68

*Total costs do not include estimated overhead costs.

a/ 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.

b/ Land costs not included for owner operators.

c/ Tenant share is 60 percent of total production.

Table 4. Breakeven Selling Price for Soybeans, Corn, Milo, Wheat, and Wheat-Soybean Double Crop for Selected Yield Levels, Southwest Louisiana, 1997.a/

Crop Description	Total Costs b/	Total Variable Costs	Base Yield c/	Unit	Yield Level (%) -20	-10	Base	10	20
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS	Dollars/Acre				Dollars/Bu. (Cwt.)				
Soybeans, 6-row, Owner	158.46		25.50	bu.	7.69	6.87	6.21	5.68	5.23
Soybeans, 6-row, Tenant	156.91		20.40	bu.	9.54	8.51	7.69	7.02	6.46
Soybeans, Drilled, Owner	165.16		28.00	bu.	7.30	6.52	5.90	5.39	4.97
Soybeans, Drilled, Tenant	163.46		22.40	bu.	9.05	8.07	7.30	6.66	6.13
Soybeans, Drilled, No Till, Owner	151.01		28.00	bu.	6.67	5.96	5.39	4.93	4.54
Corn, Owner	227.10		100.00	bu.	2.79	2.50	2.27	2.08	1.92
Corn, Tenant	223.26		80.00	bu.	3.44	3.08	2.79	2.55	2.36
Milo, Drilled, Owner	149.11		37.00	cwt.	5.04	4.48	4.03	3.66	3.36
Milo, Drilled, Tenant	149.11		29.60	cwt.	6.30	5.60	5.04	4.58	4.20
Wheat, Drilled, Owner	128.48		34.00	bu.	4.72	4.20	3.78	3.44	3.15
Wheat, Drilled, Tenant	128.48		27.20	bu.	5.90	5.25	4.72	4.29	3.94
Wheat/Soybean Double Crop:d/									
Wheat, Drill Planted, Owner	128.29		34.00	bu.	4.72	4.19	3.77	3.43	3.14
Wheat, Drill Planted, Tenant	128.29		27.20	bu.	5.90	5.24	4.72	4.29	3.93
Soybeans, Drill Planted, Owner	120.53		26.00	bu.	5.79	5.15	4.64	4.21	3.86
Soybeans, Drill Planted, Tenant	120.53		20.80	bu.	7.24	6.44	5.79	5.27	4.83
PRICES REQUIRED TO RECOVER VARIABLE COSTS									
Soybeans, 6-row, Owner		125.78	25.50	bu.	6.09	5.45	4.93	4.51	4.16
Soybeans, 6-row, Tenant		124.23	20.40	bu.	7.54	6.73	6.09	5.56	5.12
Soybeans, Drilled, Owner		133.40	28.00	bu.	5.88	5.26	4.76	4.36	4.02
Soybeans, Drilled, Tenant		131.70	22.40	bu.	7.27	6.50	5.88	5.37	4.95
Soybeans, Drilled, No Till, Owner		126.39	28.00	bu.	5.57	4.98	4.51	4.13	3.81
Corn, Owner		187.71	100.00	bu.	2.30	2.06	1.88	1.72	1.60
Corn, Tenant		183.87	80.00	bu.	2.83	2.53	2.30	2.11	1.95
Milo, Drilled, Owner		121.23	37.00	cwt.	4.10	3.64	3.28	2.98	2.73
Milo, Drilled, Tenant		121.23	29.60	cwt.	5.12	4.55	4.10	3.72	3.41
Wheat, Drilled, Owner		102.68	34.00	bu.	3.78	3.36	3.02	2.75	2.52
Wheat, Drilled, Tenant		102.68	27.20	bu.	4.72	4.19	3.78	3.43	3.15
Wheat/Soybean Double Crop:d/									
Wheat, Drill Planted, Owner		104.68	34.00	bu.	3.85	3.42	3.08	2.80	2.57
Wheat, Drill Planted, Tenant		104.68	27.20	bu.	4.81	4.28	3.85	3.50	3.21
Soybeans, Drill Planted, Owner		96.29	26.00	bu.	4.63	4.11	3.70	3.37	3.09
Soybeans, Drill Planted, Tenant		96.29	20.80	bu.	5.79	5.14	4.63	4.21	3.86

*Total costs do not include estimated overhead costs.

a/ 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.

b/ Land costs not included for owner operators.

c/ Tenant share is 80 percent of total production.

d/ Total costs and total variable 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.

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Table 5. Estimated costs and returns per acre. Rice, water planted, owner-operators, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	48.0000	468.00	
Rice checkoff	cwt	0.06	-48.0000	-2.88	
TOTAL INCOME				465.12	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane seed	cwt	4.40	1.4000	6.16	
Global Pos. System	acre	0.40	6.3500	2.54	
Airplane Stam	acre	4.85	2.0000	9.70	
Airplane furadan[b/]	acre	3.95	0.5200	2.05	
Airplane 2,4-d	acre	5.10	1.0000	5.10	
Airplane Fert	cwt	3.95	1.4000	5.53	
Airplane benlate[b/]	acre	4.40	0.7000	3.08	
Airplane Insect[b/]	acre	3.80	0.1300	0.49	
Drying Rice[c/]	cwt	0.95	53.9300	51.23	
Storage Rice	cwt	0.40	48.0000	19.20	
FERTILIZER					
Nitrogen	lbs	0.26	120.0000	31.20	
Phosphate	lbs	0.21	51.0000	10.71	
Potash	lbs	0.12	51.0000	6.12	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.7000	11.06	
HERBICIDES					
Stam M4	qt	4.76	6.0000	28.56	
2,4-D-LV4	pt	1.78	1.0000	1.78	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Plastic	sqft	0.08	13.5000	1.08	
SEED					
Rice seed	lbs	0.19	140.0000	25.90	
OPERATOR LABOR					
Tractors	hour	7.50	1.5934	11.95	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig sys 9 fl WP	hour	7.50	0.3500	2.63	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	9.4218	8.01	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irrig sys 9 fl WP	gal	0.85	78.0500	66.34	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	3.04	1.0000	3.04	
Tractors	acre	8.89	1.0000	8.89	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irrig sys 9 fl WP	acin	0.15	35.0000	5.25	
INTEREST ON OP. CAP.	acre	11.32	1.0000	11.32	
TOTAL DIRECT EXPENSES				385.47	
RETURNS ABOVE DIRECT EXPENSES				79.65	
FIXED EXPENSES					
Implements	acre	5.37	1.0000	5.37	
Tractors	acre	12.72	1.0000	12.72	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irrig sys 9 fl WP	acre	32.07	1.0000	32.07	
TOTAL FIXED EXPENSES				78.34	
TOTAL SPECIFIED EXPENSES				463.81	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				1.31	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
L&W, SWWP Conv. Rice[d/]	acre	16.99	1.0000	16.99	
RESIDUAL RETURNS				-80.16	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land.**

Table 6. Estimated resource use and costs per acre for field operations.
Rice, water planted, owner-operators, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Levee plow	8 Ft	143	0.050	3.00	Nov	2.07	1.54	0.20	0.50	0.165	1.24				5.55
Dozer blade	10ft	93	0.850	0.09	Nov	0.75	0.54	0.09	0.21	0.084	0.63				2.21
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	1.00	Feb	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Fertilizer Truck	acre			1.00	Mar							1.0000	3.55	3.55	3.55
Nitrogen	lbs											57.0000	0.26	14.82	14.82
Phosphate	lbs											51.0000	0.21	10.71	10.71
Potash	lbs											51.0000	0.12	6.12	6.12
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Dozer blade	10ft	93	0.850	0.06	Mar	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irrig sys 9 fl WP	acin			1.00	Mar			16.36	32.07	0.080	0.60	8.0000			49.03
Plastic	sqft											13.5000	0.08	1.08	1.08
Other labor	hour											0.6000	7.50	4.50	4.50
Water level	16 Ft	143	0.220	1.00	Mar	3.04	2.25	0.24	0.52	0.242	1.82				7.87
Drag	14 ft	143	0.130	1.00	Mar	1.80	1.33	0.05	0.07	0.143	1.07				4.32
Airplane seed	cwt			1.00	Apr							1.4000	4.40	6.16	6.16
Rice seed	lbs											140.0000	0.19	25.90	25.90
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.06	Apr	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irrig sys 9 fl WP	acin			1.00	Apr			12.27		0.060	0.45	6.0000			12.72
Irrig sys 9 fl WP	acin			1.00	May			10.23		0.050	0.38	5.0000			10.60
Airplane furadan	acre											0.5200	3.95	2.05	2.05
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200	0.40	0.21	0.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.10	5.10	5.10
2,4-D-LV4	pt											1.0000	1.78	1.78	1.78
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	3.95	5.53	5.53
Nitrogen	lbs											63.0000	0.26	16.38	16.38
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig sys 9 fl WP	acin			1.00	Jun			16.36		0.080	0.60	8.0000			16.96
Airplane benlate	acre			1.00	Jun							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane benlate	acre			1.00	Jul							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane Insect	acre			1.00	Jul							0.1300	3.80	0.49	0.49
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300	0.40	0.05	0.05
Irrig sys 9 fl WP	acin			1.00	Jul			16.36		0.080	0.60	8.0000			16.96
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							53.9300	0.95	51.23	51.23
Storage Rice	cwt											48.0000	0.40	19.20	19.20
TOTALS						16.90	12.72	95.21	65.63	2.741	22.44			239.59	452.49
INTEREST ON OPERATING CAPITAL															11.32
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															463.81

Table 7. Estimated costs and returns per acre. Rice, water planted, tenant-operators, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	48.0000	468.00	
Land share rent	cwt	9.75	-9.6000	-93.60	
Water share rent	cwt	9.75	-9.6000	-93.60	
Rice checkoff	cwt	0.06	-28.8000	-1.73	
TOTAL INCOME				279.07	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane seed	cwt	4.40	1.4000	6.16	
Global Pos. System	acre	0.40	6.3500	2.54	
Airplane Stam	acre	4.85	2.0000	9.70	
Airplane furadan[b/]	acre	3.95	0.5200	2.05	
Airplane 2,4-d	acre	5.10	1.0000	5.10	
Airplane fert	cwt	3.95	1.4000	5.53	
Airplane benlate[b/]	acre	4.40	0.7000	3.08	
Airplane Insect[b7]	acre	3.80	0.1300	0.49	
Drying Rice[c/]	cwt	0.95	32.3580	30.74	
Storage Rice	cwt	0.40	28.8000	11.52	
FERTILIZER					
Nitrogen	lbs	0.26	72.0000	18.72	
Phosphate	lbs	0.21	30.6000	6.43	
Potash	lbs	0.12	30.6000	3.67	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.4200	6.64	
HERBICIDES					
Stam M4	qt	4.76	3.6000	17.14	
2,4-D-LV4	pt	1.78	0.6000	1.07	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	5.3040	3.98	
Methyl parathion 4E[b/]	pt	3.16	0.0780	0.25	
OTHER					
Plastic	sqft	0.08	13.5000	1.08	
SEED					
Rice seed	lbs	0.19	140.0000	25.90	
OPERATOR LABOR					
Tractors	hour	7.50	1.5934	11.95	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys. 10 flood	hour	7.50	0.3500	2.63	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	9.4218	8.01	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	3.04	1.0000	3.04	
Tractors	acre	8.89	1.0000	8.89	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irrig. sys. 10 flood	acin	0.15	35.0000	5.25	
INTEREST ON OP. CAP.	acre	7.43	1.0000	7.43	
TOTAL DIRECT EXPENSES				248.47	
RETURNS ABOVE DIRECT EXPENSES				30.60	
FIXED EXPENSES					
Implements	acre	5.37	1.0000	5.37	
Tractors	acre	12.72	1.0000	12.72	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
TOTAL FIXED EXPENSES				46.27	
TOTAL SPECIFIED EXPENSES				294.75	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-15.68	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-69.14	

*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 survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.

Table 8. Estimated resource use and costs per acre for field operations.
Rice, water planted, tenant-operators, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Levee plow	8 Ft	143	0.050	3.00	Nov	2.07	1.54	0.20	0.50	0.165	1.24				5.55
Dozer blade	10ft	93	0.850	0.09	Nov	0.75	0.54	0.09	0.21	0.084	0.63				2.21
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	1.00	Feb	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Fertilizer Truck	acre			1.00	Mar							1.0000	3.55	3.55	3.55
Nitrogen	lbs											34.2000	0.26	8.89	8.89
Phosphate	lbs											30.6000	0.21	6.43	6.43
Potash	lbs											30.6000	0.12	3.67	3.67
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Dozer blade	10ft	93	0.850	0.06	Mar	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irrig. sys. 10 flood	acin			1.00	Mar			1.20		0.080	0.60	8.0000			1.80
Plastic	sqft											13.5000	0.08	1.08	1.08
Other labor	hour											0.6000	7.50	4.50	4.50
Water level	16 Ft	143	0.220	1.00	Mar	3.04	2.25	0.24	0.52	0.242	1.82				7.87
Drag	14 ft	143	0.130	1.00	Mar	1.80	1.33	0.05	0.07	0.143	1.07				4.32
Airplane seed	cwt			1.00	Apr							1.4000	4.40	6.16	6.16
Rice seed	lbs											140.0000	0.19	25.90	25.90
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											1.8000	4.76	8.57	8.57
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											1.8000	4.76	8.57	8.57
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.06	Apr	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irrig. sys. 10 flood	acin			1.00	Apr			0.90		0.060	0.45	6.0000			1.35
Irrig. sys. 10 flood	acin			1.00	May			0.75		0.050	0.38	5.0000			1.13
Airplane furadan	acre											0.5200	3.95	2.05	2.05
Furadan 3G	lbs											5.3040	0.75	3.98	3.98
Global Pos. System	acre											0.5200	0.40	0.21	0.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.10	5.10	5.10
2,4-D-LV4	pt											0.6000	1.78	1.07	1.07
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	3.95	5.53	5.53
Nitrogen	lbs											37.8000	0.26	9.83	9.83
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 10 flood	acin			1.00	Jun			1.20		0.080	0.60	8.0000			1.80
Airplane benlate	acre			1.00	Jun							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.2100	15.80	3.32	3.32
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane benlate	acre			1.00	Jul							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.2100	15.80	3.32	3.32
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane Insect	acre			1.00	Jul							0.1300	3.80	0.49	0.49
Methyl parathion 4E	pt											0.0780	3.16	0.25	0.25
Global Pos. System	acre											0.1300	0.40	0.05	0.05
Irrig. sys. 10 flood	acin			1.00	Jul			1.20		0.080	0.60	8.0000			1.80
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							32.3580	0.95	30.74	30.74
Storage Rice	cwt											28.8000	0.40	11.52	11.52
TOTALS						16.90	12.72	28.87	33.56	2.741	22.44			172.83	287.31
INTEREST ON OPERATING CAPITAL															7.43
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															294.75

*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 9. Estimated costs and returns per acre. Rice, Water planted, Owner-Operators, "No till" (Conv. Tillage on 25% of each acre), Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	48.0000	468.00	
Rice checkoff	cwt	0.06	-48.0000	-2.88	
TOTAL INCOME				465.12	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane seed	cwt	4.40	1.4000	6.16	
Global Pos. System	acre	0.40	7.1000	2.84	
Airplane Fert	cwt	3.95	2.3495	9.28	
Airplane Stam	acre	4.85	2.0000	9.70	
Airplane furadan[b/]	acre	3.95	0.5200	2.05	
Airplane 2,4-d	acre	5.10	1.0000	5.10	
Airplane benlate[b/]	acre	4.40	0.7000	3.08	
Airplane Insect[b/]	acre	3.80	0.1300	0.49	
Drying Rice[c/]	cwt	0.95	53.9300	51.23	
Storage Rice	cwt	0.40	48.0000	19.20	
FERTILIZER					
Nitrogen	lbs	0.26	120.0000	31.20	
Phosphate	lbs	0.21	51.0000	10.71	
Potash	lbs	0.12	51.0000	6.12	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.7000	11.06	
HERBICIDES					
Roundup	pt	6.13	0.7500	4.60	
Surfactant	pt	1.34	0.5625	0.75	
Stam M4	qt	4.76	6.0000	28.56	
2,4-D-LV4	pt	1.78	1.0000	1.78	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Plastic	sqft	0.08	13.5000	1.08	
SEED					
Rice seed	lbs	0.19	140.0000	25.90	
OPERATOR LABOR					
Tractors	hour	7.50	1.0380	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	5.15	
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	9.5912	8.15	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irr sys 9 fl CTWP	gal	0.85	64.0010	54.40	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	2.69	1.0000	2.69	
Tractors	acre	8.79	1.0000	8.79	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irr sys 9 fl CTWP	acin	0.15	28.7000	4.31	
INTEREST ON OP. CAP.	acre	11.59	1.0000	11.59	
TOTAL DIRECT EXPENSES				382.45	
RETURNS ABOVE DIRECT EXPENSES				82.67	
FIXED EXPENSES					
Implements	acre	6.69	1.0000	6.69	
Tractors	acre	12.74	1.0000	12.74	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irr sys 9 fl CTWP	acre	30.23	1.0000	30.23	
TOTAL FIXED EXPENSES				77.84	
TOTAL SPECIFIED EXPENSES				460.30	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				4.82	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
L&W, SWWP NT Rice[d/]	acre	28.95	1.0000	28.95	
RESIDUAL RETURNS				-88.61	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 10. Estimated resource use and costs per acre for field operations.
Rice, Water planted, Owner-Operators, "No till" (Conv. Tillage on 25% of each acre),
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	0.50	Nov	0.69	0.51	0.28	0.39	0.055	0.41				2.28
Laser Scraper	9 cu. yd	225	1.560	0.25	Nov	6.95	5.14	0.44	0.95	0.429	5.15				18.63
Laser Equipment		dblhitch	1.560	0.25	Nov			0.36	2.23						2.59
Levee plow	8 Ft	143	0.050	3.00	Nov	2.07	1.54	0.20	0.50	0.165	1.24				5.55
Dozer blade	10ft	93	0.850	0.02	Nov	0.19	0.13	0.02	0.05	0.021	0.16				0.55
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	0.25	Feb	0.35	0.26	0.14	0.20	0.028	0.21				1.14
Boom sprayer	30 ft	93	0.060	0.75	Mar	0.44	0.32	0.10	0.11	0.050	0.37				1.34
Roundup	pt											0.7500	6.13	4.60	4.60
Surfactant	pt											0.5625	1.34	0.75	0.75
Fertilizer Truck	acre			0.25	Mar							0.2500	3.55	0.89	0.89
Nitrogen	lbs											14.2500	0.26	3.71	3.71
Phosphate	lbs											12.7500	0.21	2.68	2.68
Potash	lbs											12.7500	0.12	1.53	1.53
Fertilizer Truck	acre			0.75	Mar							0.7500	3.55	2.66	2.66
Phosphate	lbs											38.2500	0.21	8.03	8.03
Potash	lbs											38.2500	0.12	4.59	4.59
Field cultivator	20 ft	143	0.090	0.25	Mar	0.31	0.23	0.07	0.10	0.025	0.19				0.89
Ditcher rotary	1.5 ft	93	0.050	0.25	Mar	0.12	0.09	0.02	0.04	0.014	0.10				0.37
Dozer blade	10ft	93	0.850	0.06	Mar	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irr sys 9 fl CTWP	acin			1.00	Mar			13.42	30.23	0.066	0.49	6.5600			44.14
Plastic	sqft											13.5000	0.08	1.08	1.08
Other labor	hour											0.6000	7.50	4.50	4.50
Water level	16 Ft	143	0.220	0.25	Mar	0.76	0.56	0.06	0.13	0.061	0.45				1.97
Drag	14 ft	93	0.130	0.25	Mar	0.32	0.23	0.01	0.02	0.036	0.27				0.84
Airplane seed	cwt			1.00	Apr							1.4000	4.40	6.16	6.16
Rice seed	lbs											140.0000	0.19	25.90	25.90
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Fert	cwt			0.75	Apr							0.9495	3.95	3.75	3.75
Nitrogen	lbs											42.7500	0.26	11.12	11.12
Global Pos. System	acre											0.7500	0.40	0.30	0.30
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.06	Apr	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irr sys 9 fl CTWP	acin			1.00	Apr			10.06		0.049	0.37	4.9200			10.43
Irr sys 9 fl CTWP	acin			1.00	May			8.39		0.041	0.31	4.1000			8.69
Airplane furadan	acre											0.5200	3.95	2.05	2.05
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200	0.40	0.21	0.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.10	5.10	5.10
2,4-D-LV4	pt											1.0000	1.78	1.78	1.78
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	3.95	5.53	5.53
Nitrogen	lbs											63.0000	0.26	16.38	16.38
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTWP	acin			1.00	Jun			13.42		0.066	0.49	6.5600			13.91
Airplane benlate	acre			1.00	Jun							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane benlate	acre			1.00	Jul							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane Insect	acre			1.00	Jul							0.1300	3.80	0.49	0.49
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300	0.40	0.05	0.05
Irr sys 9 fl CTWP	acin			1.00	Jul			13.42		0.066	0.49	6.5600			13.91
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							53.9300	0.95	51.23	51.23
Storage Rice	cwt											48.0000	0.40	19.20	19.20
TOTALS						16.94	12.74	81.97	65.11	2.552	22.95			248.99	448.70
INTEREST ON OPERATING CAPITAL															11.59
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															460.30

Table 11. Estimated costs and returns per acre. Rice, Water planted, Owner-Operators, Stale Seedbed, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	48.0000	468.00	
Rice checkoff	cwt	0.06	-48.0000	-2.88	
TOTAL INCOME				465.12	
DIRECT EXPENSES					
CUSTOM					
Airplane seed	cwt	4.40	1.4000	6.16	
Global Pos. System	acre	0.40	7.3500	2.94	
Airplane Fert	cwt	3.95	2.6660	10.53	
Airplane Stam	acre	4.85	2.0000	9.70	
Airplane furadan[b/]	acre	3.95	0.5200	2.05	
Airplane 2,4-d	acre	5.10	1.0000	5.10	
Airplane benlate[b/]	acre	4.40	0.7000	3.08	
Airplane Insect[b/]	acre	3.80	0.1300	0.49	
Drying Rice[c/]	cwt	0.95	53.9300	51.23	
Storage Rice	cwt	0.40	48.0000	19.20	
FERTILIZER					
Phosphate	lbs	0.21	51.0000	10.71	
Potash	lbs	0.12	51.0000	6.12	
Nitrogen	lbs	0.26	120.0000	31.20	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.7000	11.06	
HERBICIDES					
Roundup	pt	6.13	1.0000	6.13	
Surfactant	pt	1.34	0.7500	1.01	
Stam M4	qt	4.76	6.0000	28.56	
2,4-D-LV4	pt	1.78	1.0000	1.78	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Plastic	sqft	0.08	13.5000	1.08	
SEED					
Rice seed	lbs	0.19	140.0000	25.90	
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	5.15	
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	10.1379	8.62	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irr sys 9 fl CTWP	gal	0.85	64.0010	54.40	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	3.43	1.0000	3.43	
Tractors	acre	9.27	1.0000	9.27	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irr sys 9 fl CTWP	acin	0.15	28.7000	4.31	
INTEREST ON OP. CAP.	acre	11.78	1.0000	11.78	
TOTAL DIRECT EXPENSES				384.56	
RETURNS ABOVE DIRECT EXPENSES				80.56	
FIXED EXPENSES					
Implements	acre	7.70	1.0000	7.70	
Tractors	acre	13.43	1.0000	13.43	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irr sys 9 fl CTWP	acre	30.23	1.0000	30.23	
TOTAL FIXED EXPENSES				79.55	
TOTAL SPECIFIED EXPENSES				464.11	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				1.01	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
L&W, SWWP SS Rice[d/]	acre	28.21	1.0000	28.21	
RESIDUAL RETURNS				-91.68	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 12. Estimated resource use and costs per acre for field operations.
Rice, Water planted, Owner-Operators, Stale Seedbed, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	2.00	Nov	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Laser Scraper	9 cu. yd	225	1.560	0.25	Nov	6.95	5.14	0.44	0.95	0.429	5.15				18.63
Laser Equipment		dblhitch	1.560	0.25	Nov			0.36	2.23						2.59
Levee plow	8 Ft	143	0.050	3.00	Nov	2.07	1.54	0.20	0.50	0.165	1.24				5.55
Dozer blade	10ft	93	0.850	0.02	Nov	0.19	0.13	0.02	0.05	0.021	0.16				0.55
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Boom sprayer	30 ft	93	0.060	1.00	Mar	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Roundup	pt											1.0000	6.13	6.13	6.13
Surfactant	pt											0.7500	1.34	1.01	1.01
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.59	0.42	0.19	0.28	0.066	0.50				1.97
Phosphate	lbs											51.0000	0.21	10.71	10.71
Potash	lbs											51.0000	0.12	6.12	6.12
Dozer blade	10ft	93	0.850	0.06	Mar	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irr sys 9 fl CTWP	acin			1.00	Mar			13.42	30.23	0.066	0.49	6.5600			44.14
Plastic	sqft											13.5000	0.08	1.08	1.08
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane seed	cwt			1.00	Apr							1.4000	4.40	6.16	6.16
Rice seed	lbs											140.0000	0.19	25.90	25.90
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane Fert	cwt			1.00	Apr							1.2660	3.95	5.00	5.00
Nitrogen	lbs											57.0000	0.26	14.82	14.82
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.06	Apr	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irr sys 9 fl CTWP	acin			1.00	Apr			10.06		0.049	0.37	4.9200			10.43
Irr sys 9 fl CTWP	acin			1.00	May			8.39		0.041	0.31	4.1000			8.69
Airplane furadan	acre											0.5200	3.95	2.05	2.05
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200	0.40	0.21	0.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.10	5.10	5.10
2,4-D-LV4	pt											1.0000	1.78	1.78	1.78
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	3.95	5.53	5.53
Nitrogen	lbs											63.0000	0.26	16.38	16.38
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTWP	acin			1.00	Jun			13.42		0.066	0.49	6.5600			13.91
Airplane benlate	acre			1.00	Jun							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane benlate	acre			1.00	Jul							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane Insect	acre			1.00	Jul							0.1300	3.80	0.49	0.49
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300	0.40	0.05	0.05
Irr sys 9 fl CTWP	acin			1.00	Jul			13.42		0.066	0.49	6.5600			13.91
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							53.9300	0.95	51.23	51.23
Storage Rice	cwt											48.0000	0.40	19.20	19.20
TOTALS						17.89	13.43	82.72	66.12	2.637	23.59			248.58	452.33
INTEREST ON OPERATING CAPITAL															11.78
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															464.11

Table 13. Estimated costs and returns per acre. Rice, Drill Planted, Owner-Operators, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	51.0000	497.25	
Rice checkoff	cwt	0.06	-51.0000	-3.06	
TOTAL INCOME				494.19	
DIRECT EXPENSES					
CUSTOM					
Airplane Stam	acre	4.85	2.0000	9.70	
Global Pos. System	acre	0.40	5.3500	2.14	
Airplane furadan[b/]	acre	3.95	0.5200	2.05	
Airplane 2,4-d	acre	5.10	1.0000	5.10	
Airplane Fert	cwt	3.95	1.4000	5.53	
Airplane benlate[b/]	acre	4.40	0.7000	3.08	
Airplane Insect[b/]	acre	3.80	0.1300	0.49	
Drying Rice[c/]	cwt	0.95	57.3000	54.44	
Storage Rice	cwt	0.40	51.0000	20.40	
FERTILIZER					
Nitrogen	lbs	0.26	120.0000	31.20	
Phosphate	lbs	0.21	51.0000	10.71	
Potash	lbs	0.12	51.0000	6.12	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.7000	11.06	
HERBICIDES					
Stam M4	qt	4.76	6.0000	28.56	
2,4-D-LV4	pt	1.78	1.0000	1.78	
HIRED LABOR					
Other labor	hour	7.50	0.8000	6.00	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Plastic	sqft	0.08	13.5000	1.08	
SEED					
Rice seed	lbs	0.19	95.0000	17.58	
OPERATOR LABOR					
Tractors	hour	7.50	1.7919	13.44	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 9 fl DP	hour	7.50	0.3200	2.40	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	10.2885	8.75	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irr sys 9 fl DP	gal	0.85	71.3600	60.66	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	4.90	1.0000	4.90	
Tractors	acre	9.75	1.0000	9.75	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irr sys 9 fl DP	acin	0.15	32.0000	4.80	
INTEREST ON OP. CAP.	acre	10.14	1.0000	10.14	
TOTAL DIRECT EXPENSES				367.34	
RETURNS ABOVE DIRECT EXPENSES				126.85	
FIXED EXPENSES					
Implements	acre	8.13	1.0000	8.13	
Tractors	acre	13.86	1.0000	13.86	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irr sys 9 fl DP	acre	31.20	1.0000	31.20	
TOTAL FIXED EXPENSES				81.37	
TOTAL SPECIFIED EXPENSES				448.71	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				45.48	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
L&W, SWDP Conv. Rice[d/]	acre	33.66	1.0000	33.66	
RESIDUAL RETURNS				-52.66	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 14. Estimated resource use and costs per acre for field operations.
Rice, Drill Planted, Owner-Operators, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	2.00	Feb	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Ditcher rotary	1.5 ft	93	0.050	1.00	Feb	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.59	0.42	0.19	0.28	0.066	0.50				1.97
Nitrogen	lbs											57.0000	0.26	14.82	14.82
Phosphate	lbs											51.0000	0.21	10.71	10.71
Potash	lbs											51.0000	0.12	6.12	6.12
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Spike harrow	18 ft	dblhitch	0.080	1.00	Mar			0.05	0.08						0.13
Cultimulcher	12 Ft	dblhitch	0.160	1.00	Apr			0.42	0.69						1.11
Grain drill	12 ft	143	0.210	1.00	Apr	2.90	2.15	0.71	1.09	0.231	1.73				8.58
Rice seed	lbs											95.0000	0.19	17.58	17.58
Levee plow	8 Ft	143	0.050	3.00	Apr	2.07	1.54	0.20	0.50	0.165	1.24				5.55
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Dozer blade	10ft	93	0.850	0.17	Apr	1.41	1.01	0.16	0.39	0.159	1.19				4.18
Irr sys 9 fl DP	acin			1.00	Apr			7.16	31.20	0.035	0.26	3.5000			38.62
Plastic	sqft											13.5000	0.08	1.08	1.08
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl DP	acin			1.00	Apr			7.16		0.035	0.26	3.5000			7.42
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.17	Apr	1.41	1.01	0.16	0.39	0.159	1.19				4.18
Irr sys 9 fl DP	acin			1.00	Apr			12.27		0.060	0.45	6.0000			12.72
Irr sys 9 fl DP	acin			1.00	May			10.23		0.050	0.38	5.0000			10.60
Airplane furadan	acre											0.5200	3.95	2.05	2.05
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200	0.40	0.21	0.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.10	5.10	5.10
2,4-D-LV4	pt											1.0000	1.78	1.78	1.78
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	3.95	5.53	5.53
Nitrogen	lbs											63.0000	0.26	16.38	16.38
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl DP	acin			1.00	Jun			16.36		0.080	0.60	8.0000			16.96
Airplane benlate	acre			1.00	Jun							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane benlate	acre			1.00	Jul							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane Insect	acre			1.00	Jul							0.1300	3.80	0.49	0.49
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300	0.40	0.05	0.05
Irr sys 9 fl DP	acin			1.00	Jul			12.27		0.060	0.45	6.0000			12.72
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							57.3000	0.95	54.44	54.44
Storage Rice	cwt											51.0000	0.40	20.40	20.40
TOTALS						18.50	13.86	90.93	67.51	2.910	23.71			224.06	438.57
INTEREST ON OPERATING CAPITAL															10.14
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															448.71

Table 15. Estimated costs and returns per acre. Rice, Drill Planted, Tenant-Operators, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	51.0000	497.25	
Land share rent	cwt	9.75	-10.2000	-99.45	
Water share rent	cwt	9.75	-10.2000	-99.45	
Rice checkoff	cwt	0.06	-30.6000	-1.84	
TOTAL INCOME				296.51	
DIRECT EXPENSES					
CUSTOM					
Airplane Stam	acre	4.85	2.0000	9.70	
Global Pos. System	acre	0.40	5.3500	2.14	
Airplane furadan[b/]	acre	3.95	0.5200	2.05	
Airplane 2,4-d	acre	5.10	1.0000	5.10	
Airplane Fert	cwt	3.95	1.4000	5.53	
Airplane benlate[b/]	acre	4.40	0.7000	3.08	
Airplane Insect[b/]	acre	3.80	0.1300	0.49	
Drying Rice[c/]	cwt	0.95	34.3800	32.66	
Storage Rice	cwt	0.40	30.6000	12.24	
FERTILIZER					
Nitrogen	lbs	0.26	72.0000	18.72	
Phosphate	lbs	0.21	30.6000	6.43	
Potash	lbs	0.12	30.6000	3.67	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.4200	6.64	
HERBICIDES					
Stam M4	qt	4.76	3.6000	17.14	
2,4-D-LV4	pt	1.78	0.6000	1.07	
HIRED LABOR					
Other labor	hour	7.50	0.8000	6.00	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	5.3040	3.98	
Methyl parathion 4E[b/]	pt	3.16	0.0780	0.25	
OTHER					
Plastic	sqft	0.08	13.5000	1.08	
SEED					
Rice seed	lbs	0.19	95.0000	17.58	
OPERATOR LABOR					
Tractors	hour	7.50	1.7919	13.44	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys. 10 flood	hour	7.50	0.3200	2.40	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	10.2885	8.75	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	4.90	1.0000	4.90	
Tractors	acre	9.75	1.0000	9.75	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irrig. sys. 10 flood	acin	0.15	32.0000	4.80	
INTEREST ON OP. CAP.	acre	6.51	1.0000	6.51	
TOTAL DIRECT EXPENSES				234.52	
RETURNS ABOVE DIRECT EXPENSES				61.99	
FIXED EXPENSES					
Implements	acre	8.13	1.0000	8.13	
Tractors	acre	13.86	1.0000	13.86	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
TOTAL FIXED EXPENSES				50.17	
TOTAL SPECIFIED EXPENSES				284.69	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				11.82	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-41.64	

*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 survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.

Table 16. Estimated resource use and costs per acre for field operations.
Rice, Drill Planted, Tenant-Operators, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	2.00	Feb	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Ditcher rotary	1.5 ft	93	0.050	1.00	Feb	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.59	0.42	0.19	0.28	0.066	0.50				1.97
Nitrogen	lbs											34.2000	0.26	8.89	8.89
Phosphate	lbs											30.6000	0.21	6.43	6.43
Potash	lbs											30.6000	0.12	3.67	3.67
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Spike harrow	18 ft	dblhitch	0.080	1.00	Mar			0.05	0.08						0.13
Cultimulcher	12 Ft	dblhitch	0.160	1.00	Apr			0.42	0.69						1.11
Grain drill	12 ft	143	0.210	1.00	Apr	2.90	2.15	0.71	1.09	0.231	1.73				8.58
Rice seed	lbs											95.0000	0.19	17.58	17.58
Levee plow	8 Ft	143	0.050	3.00	Apr	2.07	1.54	0.20	0.50	0.165	1.24				5.55
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Dozer blade	10ft	93	0.850	0.17	Apr	1.41	1.01	0.16	0.39	0.159	1.19				4.18
Irrig. sys. 10 flood	acin			1.00	Apr			0.53		0.035	0.26	3.5000			0.79
Plastic	sqft											13.5000	0.08	1.08	1.08
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											1.8000	4.76	8.57	8.57
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 10 flood	acin			1.00	Apr			0.53		0.035	0.26	3.5000			0.79
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											1.8000	4.76	8.57	8.57
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.17	Apr	1.41	1.01	0.16	0.39	0.159	1.19				4.18
Irrig. sys. 10 flood	acin			1.00	Apr			0.90		0.060	0.45	6.0000			1.35
Irrig. sys. 10 flood	acin			1.00	May			0.75		0.050	0.38	5.0000			1.13
Airplane furadan	acre											0.5200	3.95	2.05	2.05
Furadan 3G	lbs											5.3040	0.75	3.98	3.98
Global Pos. System	acre											0.5200	0.40	0.21	0.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.10	5.10	5.10
2,4-D-LV4	pt											0.6000	1.78	1.07	1.07
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	3.95	5.53	5.53
Nitrogen	lbs											37.8000	0.26	9.83	9.83
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 10 flood	acin			1.00	Jun			1.20		0.080	0.60	8.0000			1.80
Airplane benlate	acre			1.00	Jun							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.2100	15.80	3.32	3.32
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane benlate	acre			1.00	Jul							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.2100	15.80	3.32	3.32
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane Insect	acre			1.00	Jul							0.1300	3.80	0.49	0.49
Methyl parathion 4E	pt											0.0780	3.16	0.25	0.25
Global Pos. System	acre											0.1300	0.40	0.05	0.05
Irrig. sys. 10 flood	acin			1.00	Jul			0.90		0.060	0.45	6.0000			1.35
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							34.3800	0.95	32.66	32.66
Storage Rice	cwt											30.6000	0.40	12.24	12.24
TOTALS						18.50	13.86	30.28	36.31	2.910	23.71			155.54	278.19
INTEREST ON OPERATING CAPITAL															6.51
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															284.69

*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 17. Estimated costs and returns per acre. Rice, Drill planted, Owner-Operators, "No till" (Conv. Tillage on 25% of each acre), Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	51.0000	497.25	
Rice checkoff	cwt	0.06	-51.0000	-3.06	
TOTAL INCOME				494.19	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	3.95	2.3495	9.28	
Global Pos. System	acre	0.40	6.1000	2.44	
Airplane Stam	acre	4.85	2.0000	9.70	
Airplane furadan[b/]	acre	3.95	0.5200	2.05	
Airplane 2,4-d	acre	5.10	1.0000	5.10	
Airplane benlate[b/]	acre	4.40	0.7000	3.08	
Airplane Insect[b/]	acre	3.80	0.1300	0.49	
Drying Rice[c/]	cwt	0.95	57.3000	54.44	
Storage Rice	cwt	0.40	51.0000	20.40	
FERTILIZER					
Nitrogen	lbs	0.26	120.0000	31.20	
Phosphate	lbs	0.21	51.0000	10.71	
Potash	lbs	0.12	51.0000	6.12	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.7000	11.06	
HERBICIDES					
Roundup	pt	6.13	0.7500	4.60	
Surfactant	pt	1.34	0.5625	0.75	
Stam M4	qt	4.76	6.0000	28.56	
2,4-D-LV4	pt	1.78	1.0000	1.78	
HIRED LABOR					
Other labor	hour	7.50	0.8000	6.00	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Plastic	sqft	0.08	13.5000	1.08	
SEED					
Rice seed	lbs	0.19	95.0000	17.58	
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 CTDP	hour	7.50	0.2788	2.09	
OWNER LABOR					
Tractors	hour	12.00	0.4290	5.15	
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	11.5338	9.80	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irr sys 9 fl CTDP	gal	0.85	62.1724	52.85	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	4.33	1.0000	4.33	
Tractors	acre	10.54	1.0000	10.54	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irr sys 9 fl CTDP	acin	0.15	27.8800	4.18	
INTEREST ON OP. CAP.	acre	10.63	1.0000	10.63	
TOTAL DIRECT EXPENSES				371.70	
RETURNS ABOVE DIRECT EXPENSES				122.49	
FIXED EXPENSES					
Implements	acre	9.39	1.0000	9.39	
Tractors	acre	15.23	1.0000	15.23	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irr sys 9 fl CTDP	acre	29.99	1.0000	29.99	
TOTAL FIXED EXPENSES				82.80	
TOTAL SPECIFIED EXPENSES				454.49	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				39.70	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
L&W, SWDP NT Rice[d/]	acre	40.78	1.0000	40.78	
RESIDUAL RETURNS				-65.56	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 18. 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, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	0.50	Nov	0.69	0.51	0.28	0.39	0.055	0.41				2.28
Laser Scraper	9 cu. yd	225	1.560	0.25	Nov	6.95	5.14	0.44	0.95	0.429	5.15				18.63
Laser Equipment		dblhitch	1.560	0.25	Nov			0.36	2.23						2.59
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	0.50	Feb	0.69	0.51	0.28	0.39	0.055	0.41				2.28
Ditcher rotary	1.5 ft	93	0.050	0.25	Feb	0.12	0.09	0.02	0.04	0.014	0.10				0.37
Fertilizer buggy	30 ft	93	0.060	0.25	Mar	0.15	0.11	0.05	0.07	0.017	0.12				0.49
Nitrogen	lbs											14.2500	0.26	3.71	3.71
Phosphate	lbs											12.7500	0.21	2.68	2.68
Potash	lbs											12.7500	0.12	1.53	1.53
Fertilizer buggy	30 ft	93	0.060	0.75	Mar	0.44	0.32	0.15	0.21	0.050	0.37				1.48
Phosphate	lbs											38.2500	0.21	8.03	8.03
Potash	lbs											38.2500	0.12	4.59	4.59
Field cultivator	20 ft	143	0.090	0.25	Mar	0.31	0.23	0.07	0.10	0.025	0.19				0.89
Spike harrow (dbl)	18 ft	dblhitch	0.080	0.25	Mar			0.01	0.02						0.03
Cultimulcher	12 Ft	dblhitch	0.160	0.25	Apr			0.11	0.17						0.28
Grain drill	12 ft	143	0.210	0.25	Apr	0.73	0.54	0.18	0.27	0.058	0.43				2.14
Rice seed	lbs											23.7500	0.19	4.39	4.39
No till drill (15)	15 ft	143	0.145	0.75	Apr	1.50	1.11	0.82	1.37	0.120	0.90				5.70
Rice seed	lbs											71.2500	0.19	13.18	13.18
Mtd. Boom Sprayer	15 ft.	dblhitch	0.145	0.75	Apr			0.16	0.17						0.33
Roundup	pt											0.7500	6.13	4.60	4.60
Surfactant	pt											0.5625	1.34	0.75	0.75
Levee plow	8 Ft	143	0.050	3.00	Apr	2.07	1.54	0.20	0.50	0.165	1.24				5.55
Ditcher rotary	1.5 ft	93	0.050	0.25	Apr	0.12	0.09	0.02	0.04	0.014	0.10				0.37
Dozer blade	10ft	93	0.850	0.17	Apr	1.41	1.01	0.16	0.39	0.159	1.19				4.18
Airplane Fert	cwt			0.75	Apr							0.9495	3.95	3.75	3.75
Nitrogen	lbs											42.7500	0.26	11.12	11.12
Global Pos. System	acre											0.7500	0.40	0.30	0.30
Irr sys 9 fl CTDP	acin			1.00	Apr			5.87	29.99	0.029	0.22	2.8700			36.08
Plastic	sqft											13.5000	0.08	1.08	1.08
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTDP	acin			1.00	Apr			5.87		0.029	0.22	2.8700			6.09
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.17	Apr	1.41	1.01	0.16	0.39	0.159	1.19				4.18
Irr sys 9 fl CTDP	acin			1.00	Apr			10.06		0.049	0.37	4.9200			10.43
Irr sys 9 fl CTDP	acin			1.00	May			8.39		0.041	0.31	4.1000			8.69
Airplane furadan	acre											0.5200	3.95	2.05	2.05
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200	0.40	0.21	0.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.10	5.10	5.10
2,4-D-LV4	pt											1.0000	1.78	1.78	1.78
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	3.95	5.53	5.53
Nitrogen	lbs											63.0000	0.26	16.38	16.38
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTDP	acin			1.00	Jun			13.42		0.066	0.49	6.5600			13.91
Airplane benlate	acre			1.00	Jun							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane benlate	acre			1.00	Jul							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane Insect	acre			1.00	Jul							0.1300	3.80	0.49	0.49
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300	0.40	0.05	0.05
Irr sys 9 fl CTDP	acin			1.00	Jul			13.42		0.066	0.49	6.5600			13.91
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							57.3000	0.95	54.44	54.44
Storage Rice	cwt											51.0000	0.40	20.40	20.40
TOTALS						20.35	15.23	81.94	67.57	2.867	25.32			233.46	443.86
INTEREST ON OPERATING CAPITAL															10.63
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															454.49

Table 19. Estimated costs and returns per acre. Rice, Drill planted, Owner-Operators, Stale Seedbed, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	51.0000	497.25	
Rice checkoff	cwt	0.06	-51.0000	-3.06	
TOTAL INCOME				494.19	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	3.95	2.6660	10.53	
Global Pos. System	acre	0.40	6.3500	2.54	
Airplane Stam	acre	4.85	2.0000	9.70	
Airplane furadan[b/]	acre	3.95	0.5200	2.05	
Airplane 2,4-d	acre	5.10	1.0000	5.10	
Airplane benlate[b/]	acre	4.40	0.7000	3.08	
Airplane Insect[b/]	acre	3.80	0.1300	0.49	
Drying Rice[c/]	cwt	0.95	57.3000	54.44	
Storage Rice	cwt	0.40	51.0000	20.40	
FERTILIZER					
Phosphate	lbs	0.21	51.0000	10.71	
Potash	lbs	0.12	51.0000	6.12	
Nitrogen	lbs	0.26	120.0000	31.20	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.7000	11.06	
HERBICIDES					
Roundup	pt	6.13	1.0000	6.13	
Surfactant	pt	1.34	0.7500	1.01	
Stam M4	qt	4.76	6.0000	28.56	
2,4-D-LV4	pt	1.78	1.0000	1.78	
HIRED LABOR					
Other labor	hour	7.50	0.8000	6.00	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Plastic	sqft	0.08	13.5000	1.08	
SEED					
Rice seed	lbs	0.19	95.0000	17.58	
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 CTDP	hour	7.50	0.2788	2.09	
OWNER LABOR					
Tractors	hour	12.00	0.4290	5.15	
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	11.8950	10.11	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irr sys 9 fl CTDP	gal	0.85	62.1724	52.85	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	4.79	1.0000	4.79	
Tractors	acre	10.84	1.0000	10.84	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irr sys 9 fl CTDP	acin	0.15	27.8800	4.18	
INTEREST ON OP. CAP.	acre	10.93	1.0000	10.93	
TOTAL DIRECT EXPENSES				376.49	
RETURNS ABOVE DIRECT EXPENSES				117.70	
FIXED EXPENSES					
Implements	acre	10.06	1.0000	10.06	
Tractors	acre	15.68	1.0000	15.68	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irr sys 9 fl CTDP	acre	29.99	1.0000	29.99	
TOTAL FIXED EXPENSES				83.91	
TOTAL SPECIFIED EXPENSES				460.40	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				33.79	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
L&W, SWDP, SS Rice[d/]	acre	40.03	1.0000	40.03	
RESIDUAL RETURNS				-70.72	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 20. Estimated resource use and costs per acre for field operations. Rice, Drill planted, Owner-Operators, Stale Seedbed, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	2.00	Nov	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Laser Scraper	9 cu. yd	225	1.560	0.25	Nov	6.95	5.14	0.44	0.95	0.429	5.15				18.63
Laser Equipment		dblhitch	1.560	0.25	Nov			0.36	2.23						2.59
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Fertilizer buggy	30 ft	93	0.060	1.00	Mar	0.59	0.42	0.19	0.28	0.066	0.50				1.97
Phosphate	lbs											51.0000	0.21	10.71	10.71
Potash	lbs											51.0000	0.12	6.12	6.12
No till drill (15)	15 ft	143	0.145	1.00	Apr	2.00	1.49	1.09	1.82	0.160	1.20				7.60
Rice seed	lbs											95.0000	0.19	17.58	17.58
Mtd. Boom Sprayer	15 ft.	dblhitch	0.145	1.00	Apr			0.21	0.23						0.44
Roundup	pt											1.0000	6.13	6.13	6.13
Surfactant	pt											0.7500	1.34	1.01	1.01
Levee plow	8 Ft	143	0.050	3.00	Apr	2.07	1.54	0.20	0.50	0.165	1.24				5.55
Dozer blade	10ft	93	0.850	0.17	Apr	1.41	1.01	0.16	0.39	0.159	1.19				4.18
Irr sys 9 fl CTDP	acin			1.00	Apr			5.87	29.99	0.029	0.22	2.8700			36.08
Plastic	sqft											13.5000	0.08	1.08	1.08
Other labor	hour											0.6000	7.50	4.50	4.50
Airplane Fert	cwt			1.00	Apr							1.2660	3.95	5.00	5.00
Nitrogen	lbs											57.0000	0.26	14.82	14.82
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTDP	acin			1.00	Apr			5.87		0.029	0.22	2.8700			6.09
Airplane Stam	acre			1.00	Apr							1.0000	4.85	4.85	4.85
Stam M4	qt											3.0000	4.76	14.28	14.28
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Dozer blade	10ft	93	0.850	0.17	Apr	1.41	1.01	0.16	0.39	0.159	1.19				4.18
Irr sys 9 fl CTDP	acin			1.00	Apr			10.06		0.049	0.37	4.9200			10.43
Irr sys 9 fl CTDP	acin			1.00	May			8.39		0.041	0.31	4.1000			8.69
Airplane furadan	acre											0.5200	3.95	2.05	2.05
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200	0.40	0.21	0.21
Airplane 2,4-d	acre			1.00	Jun							1.0000	5.10	5.10	5.10
2,4-D-LV4	pt											1.0000	1.78	1.78	1.78
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Fert	cwt			1.00	Jun							1.4000	3.95	5.53	5.53
Nitrogen	lbs											63.0000	0.26	16.38	16.38
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irr sys 9 fl CTDP	acin			1.00	Jun			13.42		0.066	0.49	6.5600			13.91
Airplane benlate	acre			1.00	Jun							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane benlate	acre			1.00	Jul							0.3500	4.40	1.54	1.54
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.40	0.14	0.14
Airplane Insect	acre			1.00	Jul							0.1300	3.80	0.49	0.49
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300	0.40	0.05	0.05
Irr sys 9 fl CTDP	acin			1.00	Jul			13.42		0.066	0.49	6.5600			13.91
Other labor	hour											0.2000	7.50	1.50	1.50
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							57.3000	0.95	54.44	54.44
Storage Rice	cwt											51.0000	0.40	20.40	20.40
TOTALS						20.95	15.68	82.40	68.24	2.907	25.62			236.59	449.47
INTEREST ON OPERATING CAPITAL															10.93
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															460.40

Table 21. Estimated costs and returns per acre. Rice, Second Cutting, Owner-operators, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	cwt	9.75	16.0000	156.00	
Rice checkoff	cwt	0.06	-16.0000	-0.96	
TOTAL INCOME				155.04	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	3.95	1.2220	4.83	
Global Pos. System	acre	0.40	1.0000	0.40	
Drying Rice[c/]	cwt	0.95	17.9800	17.08	
FERTILIZER					
Nitrogen	lbs	0.26	55.0000	14.30	
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	0.1000	0.75	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2200	2.64	
DIESEL FUEL					
Tractors	gal	0.85	1.3554	1.15	
Self-Propelled Eq.	gal	0.85	1.4200	1.21	
Irrig. sys. 12second	gal	0.85	22.3000	18.96	
GASOLINE					
Self-Propelled Eq.	gal	1.20	0.4000	0.48	
REPAIR & MAINTENANCE					
Implements	acre	0.46	1.0000	0.46	
Tractors	acre	1.30	1.0000	1.30	
Self-Propelled Eq.	acre	7.87	1.0000	7.87	
Irrig. sys. 12second	acin	0.15	10.0000	1.50	
INTEREST ON OP. CAP.	acre	1.63	1.0000	1.63	
TOTAL DIRECT EXPENSES				78.73	
RETURNS ABOVE DIRECT EXPENSES				76.31	
FIXED EXPENSES					
Implements	acre	0.96	1.0000	0.96	
Tractors	acre	1.76	1.0000	1.76	
Self-Propelled Eq.	acre	13.45	1.0000	13.45	
Irrig. sys. 12second	acre	2.93	1.0000	2.93	
TOTAL FIXED EXPENSES				19.09	
TOTAL SPECIFIED EXPENSES				97.83	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				57.21	
ALLOCATED COST ITEMS					
L&W, SW Ratoon Rice[d/]	acre	26.79	1.0000	26.79	
RESIDUAL RETURNS				30.42	

c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 22. Estimated resource use and costs per acre for field operations. Rice, Second Cutting, Owner-operators, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Dozer blade	10ft	93	0.850	0.06	Aug	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irrig. sys. 12second	acin			1.00	Aug			14.32	2.05	0.070	0.53	7.0000			16.89
Airplane Fert	cwt			1.00	Sep							1.2220	3.95	4.83	4.83
Nitrogen	lbs											55.0000	0.26	14.30	14.30
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 12second	acin			1.00	Sep			6.14	0.88	0.030	0.23	3.0000			7.24
Other labor	hour			1.00	Sep							0.2000	7.50	1.50	1.50
Combine Rice second	20 Ft		0.200	1.00	Oct			8.71	12.52	0.220	2.64				23.87
Grain cart	350 bu	93	1.000	0.20	Oct	1.95	1.40	0.41	0.82	0.220	1.65				6.23
Truck	5 ton		1.000	0.08	Oct			0.85	0.93	0.080	0.60				2.38
Drying Rice	cwt			1.00	Nov							17.9800	0.95	17.08	17.08
TOTALS						2.45	1.76	30.47	17.33	0.676	6.06			38.11	96.19
INTEREST ON OPERATING CAPITAL															1.63
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															97.83

Table 23. Estimated costs and returns per acre. Rice, Second Cutting, Tenant operators, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	cwt	9.75	16.0000	156.00	
Rice checkoff	cwt	0.06	-9.6000	-0.58	
Land share rent	cwt	9.75	-3.2000	-31.20	
Water share rent	cwt	9.75	-3.2000	-31.20	
TOTAL INCOME				93.02	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	3.95	1.2220	4.83	
Global Pos. System	acre	0.40	1.0000	0.40	
Drying Rice c/	cwt	0.95	10.7860	10.25	
FERTILIZER					
Nitrogen	lbs	0.26	33.0000	8.58	
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 flood	hour	7.50	0.1000	0.75	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2200	2.64	
DIESEL FUEL					
Tractors	gal	0.85	1.3554	1.15	
Self-Propelled Eq.	gal	0.85	1.4200	1.21	
GASOLINE					
Self-Propelled Eq.	gal	1.20	0.4000	0.48	
REPAIR & MAINTENANCE					
Implements	acre	0.46	1.0000	0.46	
Tractors	acre	1.30	1.0000	1.30	
Self-Propelled Eq.	acre	7.87	1.0000	7.87	
Irrig. sys. 10 flood	acin	0.15	10.0000	1.50	
INTEREST ON OP. CAP.	acre	0.85	1.0000	0.85	
TOTAL DIRECT EXPENSES				46.44	
RETURNS ABOVE DIRECT EXPENSES				46.59	
FIXED EXPENSES					
Implements	acre	0.96	1.0000	0.96	
Tractors	acre	1.76	1.0000	1.76	
Self-Propelled Eq.	acre	13.45	1.0000	13.45	
TOTAL FIXED EXPENSES				16.16	
TOTAL SPECIFIED EXPENSES				62.60	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				30.42	

*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.
c/ Drying cost charged on green weight.

Table 24. Estimated resource use and costs per acre for field operations. Rice, Second Cutting, Tenant operators, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Dozer blade	10ft	93	0.850	0.06	Aug	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irrig. sys. 10 flood	acin			1.00	Aug			1.05		0.070	0.53	7.0000			1.58
Airplane Fert	cwt			1.00	Sep							1.2220	3.95	4.83	4.83
Nitrogen	lbs											33.0000	0.26	8.58	8.58
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Irrig. sys. 10 flood	acin			1.00	Sep			0.45		0.030	0.23	3.0000			0.67
Other labor	hour			1.00	Sep							0.2000	7.50	1.50	1.50
Combine Rice second	20 Ft		0.200	1.00	Oct			8.71	12.52	0.220	2.64				23.87
Grain cart	350 bu	93	1.000	0.20	Oct	1.95	1.40	0.41	0.82	0.220	1.65				6.23
Truck	5 ton		1.000	0.08	Oct			0.85	0.93	0.080	0.60				2.38
Drying Rice	cwt			1.00	Nov							10.7860	0.95	10.25	10.25
TOTALS						2.45	1.76	11.52	14.40	0.676	6.06			25.55	61.75
INTEREST ON OPERATING CAPITAL															0.85
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															62.60

*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 25. Projected Costs and Returns Per Acre, Conventional Tillage Rice, Landlord Share, Southwest Louisiana, 1997.

Item	Drill Planted	Water Planted
Gross Receipts from Production Rice[a]/	99.45	93.60
Nitrogen	6.24	6.24
Phosphate	2.14	2.14
Potash	1.22	1.22
Herbicide	6.07	6.07
Insecticide[b]/	1.41	1.41
Fungicide[b]/	2.21	2.21
Interest on Operating Capital	.86	.85
Drying[c]/	10.89	10.25
Storage	4.08	3.84
Rice Checkoff	.61	.58
Total Specified Variable Costs	35.73	34.81
Income above Variable Costs	63.72	58.79
Total Specified Fixed Costs	.00	.00
Total Specified Costs	35.73	34.81
Net Returns to Land Investment	63.72	58.79

*Rental arrangement was 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 survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.

Table 26. Projected Costs and Returns Per Acre, Conventional Tillage Rice, Waterlord Share, Southwest Louisiana, 1997.

Item	Drill Planted	Water Planted
Gross Receipts from Production Rice[a]/	99.45	93.60
Nitrogen	6.24	6.24
Phosphate	2.14	2.14
Potash	1.22	1.22
Herbicide	6.07	6.07
Insecticide[b]/	1.41	1.41
Fungicide[b]/	2.21	2.21
Irrigation Fuel	60.66	66.34
Interest on Operating Capital	2.77	3.03
Drying[c]/	10.89	10.25
Storage	4.08	3.84
Rice Checkoff	.61	.58
Total Specified Variable Costs	98.30	103.33
Income above Variable Costs	1.15	-9.73
Fixed Cost		
Irrigation Machinery	31.20	32.07
Total Specified Fixed Costs	31.20	32.07
Total Specified Costs	129.50	135.40
Net Returns to Irrigation Investment	-30.05	-41.80

*Rental arrangement was 1/5 crop share with waterlord paying 1/5 of fertilizer, chemicals, drying and storage costs, and all irrigation fuel costs.
a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.

Table 27. Estimated costs and returns per acre.
Soybeans, 6 row (30") equip., owner-operator,
Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	25.5000	165.75	
TOTAL INCOME				165.75	
DIRECT EXPENSES					
CUSTOM					
Airplane Insect	acre	3.80	1.0000	3.80	
Global Pos. System	acre	0.40	1.0000	0.40	
Storage Soybeans	bu	0.30	25.5000	7.65	
FERTILIZER					
Phosphate	lbs	0.21	42.5000	8.92	
Potash	lbs	0.12	85.0000	10.20	
HERBICIDES					
Dual 8E	pt	7.85	2.0000	15.70	
Classic	oz	17.50	0.5000	8.75	
Surfactant	pt	1.34	0.4000	0.54	
HIRED LABOR					
Other labor	hour	7.50	0.2960	2.22	
INSECTICIDES					
Methyl parathion 4E	pt	3.16	1.0000	3.16	
SEED					
Soybean seed	lbs	0.30	50.0000	15.00	
OPERATOR LABOR					
Tractors	hour	7.50	1.2408	9.31	
Self-Propelled Eq.	hour	7.50	0.2500	1.88	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	7.3488	6.25	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	
REPAIR & MAINTENANCE					
Implements	acre	3.60	1.0000	3.60	
Tractors	acre	6.51	1.0000	6.51	
Self-Propelled Eq.	acre	10.53	1.0000	10.53	
INTEREST ON OP. CAP.	acre	5.06	1.0000	5.06	
TOTAL DIRECT EXPENSES				125.78	
RETURNS ABOVE DIRECT EXPENSES				39.97	
FIXED EXPENSES					
Implements	acre	5.17	1.0000	5.17	
Tractors	acre	8.97	1.0000	8.97	
Self-Propelled Eq.	acre	18.55	1.0000	18.55	
TOTAL FIXED EXPENSES				32.68	
TOTAL SPECIFIED EXPENSES				158.46	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				7.29	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
SW Sbean, 6 rowd/	acre	31.61	1.0000	31.61	
RESIDUAL RETURNS				-88.80	

d/ This charge represents net income to a landlord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 28. Estimated resource use and costs per acre for field operations.
Soybeans, 6 row (30") equip., owner-operator,
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Land level	13 ft	143	0.190	0.20	Nov	0.52	0.39	0.06	0.14	0.042	0.31				1.43
Ditcher side	1.5 ft	68	0.050	1.00	Nov	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Disk	20 ft	143	0.100	1.00	Apr	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Other labor	hour											0.1100	7.50	0.83	0.83
Fertilizer buggy	30 ft	93	0.060	1.00	Apr	0.59	0.42	0.19	0.28	0.066	0.50				1.97
Phosphate	lbs											42.5000	0.21	8.92	8.92
Potash	lbs											85.0000	0.12	10.20	10.20
Field cultivator	20 ft	143	0.090	1.00	Apr	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Spike harrow	18 ft	dblhitch	0.080	1.00	Apr			0.05	0.08						0.13
Boom sprayer	30 ft	68	0.060	1.00	May	0.45	0.25	0.14	0.15	0.066	0.50				1.48
Dual 8E	pt											2.0000	7.85	15.70	15.70
Planter	6row 30"	93	0.140	1.00	May	1.37	0.98	0.84	1.29	0.154	1.16				5.64
Soybean seed	lbs											50.0000	0.30	15.00	15.00
Boom sprayer	30 ft	68	0.060	1.00	Jun	0.45	0.25	0.14	0.15	0.066	0.50				1.48
Classic	oz											0.5000	17.50	8.75	8.75
Surfactant	pt											0.4000	1.34	0.54	0.54
Cultivator	6-Row30"	143	0.140	1.00	Jun	1.93	1.43	0.31	0.44	0.154	1.16				5.27
Ditcher side	1.5 ft	68	0.050	1.00	Jun	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Other labor	hour											0.0930	7.50	0.70	0.70
Cultivator	6-Row30"	143	0.140	1.00	Jul	1.93	1.43	0.31	0.44	0.154	1.16				5.27
Airplane Insect	acre			1.00	Jul							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Ditcher side	1.5 ft	68	0.050	1.00	Jul	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Other labor	hour											0.0930	7.50	0.70	0.70
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	Oct			2.66	2.90	0.250	1.88				7.43
Storage Soybeans	bu			1.00	Oct							25.5000	0.30	7.65	7.65
TOTALS						12.76	8.97	17.14	23.72	1.766	14.48			76.34	153.41
INTEREST ON OPERATING CAPITAL															5.06
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															158.46

Table 29. Estimated costs and returns per acre.
Soybeans, 6 row (30") equip., tenant-operator,
Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	25.5000	165.75	
Land share rent	bu	6.50	-5.1000	-33.15	
TOTAL INCOME				132.60	
DIRECT EXPENSES					
CUSTOM					
Airplane Insect	acre	3.80	1.0000	3.80	
Global Pos. System	acre	0.40	1.0000	0.40	
Storage Soybeans	bu	0.30	20.4000	6.12	
FERTILIZER					
Phosphate	lbs	0.21	42.5000	8.92	
Potash	lbs	0.12	85.0000	10.20	
HERBICIDES					
Dual 8E	pt	7.85	2.0000	15.70	
Classic	oz	17.50	0.5000	8.75	
Surfactant	pt	1.34	0.4000	0.54	
HIRED LABOR					
Other labor	hour	7.50	0.2960	2.22	
INSECTICIDES					
Methyl parathion 4E	pt	3.16	1.0000	3.16	
SEED					
Soybean seed	lbs	0.30	50.0000	15.00	
OPERATOR LABOR					
Tractors	hour	7.50	1.2408	9.31	
Self-Propelled Eq.	hour	7.50	0.2500	1.88	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	7.3488	6.25	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	
REPAIR & MAINTENANCE					
Implements	acre	3.60	1.0000	3.60	
Tractors	acre	6.51	1.0000	6.51	
Self-Propelled Eq.	acre	10.53	1.0000	10.53	
INTEREST ON OP. CAP.	acre	5.04	1.0000	5.04	
TOTAL DIRECT EXPENSES				124.23	
RETURNS ABOVE DIRECT EXPENSES				8.37	
FIXED EXPENSES					
Implements	acre	5.17	1.0000	5.17	
Tractors	acre	8.97	1.0000	8.97	
Self-Propelled Eq.	acre	18.55	1.0000	18.55	
TOTAL FIXED EXPENSES				32.68	
TOTAL SPECIFIED EXPENSES				156.92	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-24.32	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-77.78	

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

Table 30. Estimated resource use and costs per acre for field operations.
Soybeans, 6 row (30") equip., tenant-operator,
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Land level	13 ft	143	0.190	0.20	Nov	0.52	0.39	0.06	0.14	0.042	0.31				1.43
Ditcher side	1.5 ft	68	0.050	1.00	Nov	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Disk	20 ft	143	0.100	1.00	Apr	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Other labor	hour											0.1100	7.50	0.83	0.83
Fertilizer buggy	30 ft	93	0.060	1.00	Apr	0.59	0.42	0.19	0.28	0.066	0.50				1.97
Phosphate	lbs											42.5000	0.21	8.92	8.92
Potash	lbs											85.0000	0.12	10.20	10.20
Field cultivator	20 ft	143	0.090	1.00	Apr	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Spike harrow	18 ft	dblhitch	0.080	1.00	Apr			0.05	0.08						0.13
Boom sprayer	30 ft	68	0.060	1.00	May	0.45	0.25	0.14	0.15	0.066	0.50				1.48
Dual 8E	pt											2.0000	7.85	15.70	15.70
Planter	6row 30"	93	0.140	1.00	May	1.37	0.98	0.84	1.29	0.154	1.16				5.64
Soybean seed	lbs											50.0000	0.30	15.00	15.00
Boom sprayer	30 ft	68	0.060	1.00	Jun	0.45	0.25	0.14	0.15	0.066	0.50				1.48
Classic	oz											0.5000	17.50	8.75	8.75
Surfactant	pt											0.4000	1.34	0.54	0.54
Cultivator	6-Row30"	143	0.140	1.00	Jun	1.93	1.43	0.31	0.44	0.154	1.16				5.27
Ditcher side	1.5 ft	68	0.050	1.00	Jun	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Other labor	hour											0.0930	7.50	0.70	0.70
Cultivator	6-Row30"	143	0.140	1.00	Jul	1.93	1.43	0.31	0.44	0.154	1.16				5.27
Airplane Insect	acre			1.00	Jul							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Ditcher side	1.5 ft	68	0.050	1.00	Jul	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Other labor	hour											0.0930	7.50	0.70	0.70
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	Oct			2.66	2.90	0.250	1.88				7.43
Storage Soybeans	bu			1.00	Oct							20.4000	0.30	6.12	6.12
TOTALS						12.76	8.97	17.14	23.72	1.766	14.48			74.81	151.88
INTEREST ON OPERATING CAPITAL															5.04
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															156.92

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

Table 31. Estimated costs and returns per acre.
Soybeans, Drill Planted, owner-operator,
Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	28.0000	182.00	
TOTAL INCOME				182.00	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane Insect	acre	3.80	1.0000	3.80	
Global Pos. System	acre	0.40	1.0000	0.40	
Storage Soybeans	bu	0.30	28.0000	8.40	
FERTILIZER					
Phosphate	lbs	0.21	42.5000	8.92	
Potash	lbs	0.12	85.0000	10.20	
HERBICIDES					
Dual 8E	pt	7.85	2.0000	15.70	
Classic	oz	17.50	0.5000	8.75	
Surfactant	pt	1.34	0.4000	0.54	
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.94	
INSECTICIDES					
Methyl parathion 4E	pt	3.16	1.0000	3.16	
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	1.88	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	6.4458	5.48	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	
REPAIR & MAINTENANCE					
Implements	acre	3.59	1.0000	3.59	
Tractors	acre	5.63	1.0000	5.63	
Self-Propelled Eq.	acre	10.53	1.0000	10.53	
INTEREST ON OP. CAP.	acre	5.63	1.0000	5.63	
TOTAL DIRECT EXPENSES				133.40	
RETURNS ABOVE DIRECT EXPENSES				48.60	
FIXED EXPENSES					
Implements	acre	5.22	1.0000	5.22	
Tractors	acre	8.00	1.0000	8.00	
Self-Propelled Eq.	acre	18.55	1.0000	18.55	
TOTAL FIXED EXPENSES				31.76	
TOTAL SPECIFIED EXPENSES				165.16	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				16.84	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
SW Sbeans, Drill&NTd/	acre	33.47	1.0000	33.47	
RESIDUAL RETURNS				-81.11	

d/ This charge represents net income to a landlord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 32. Estimated resource use and costs per acre for field operations.
Soybeans, Drill Planted, owner-operator,
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Land level	13 ft	143	0.190	0.20	Nov	0.52	0.39	0.06	0.14	0.042	0.31				1.43
Ditcher side	1.5 ft	68	0.050	1.00	Nov	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Disk	20 ft	143	0.100	2.00	Mar	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Fertilizer Truck	acre			1.00	Mar							1.0000	3.55	3.55	3.55
Phosphate	lbs											42.5000	0.21	8.92	8.92
Potash	lbs											85.0000	0.12	10.20	10.20
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Spike harrow	18 ft	dblhitch	0.080	1.00	Mar			0.05	0.08						0.13
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Boom sprayer	30 ft	93	0.060	1.00	May	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Dual 8E	pt											2.0000	7.85	15.70	15.70
Cultimulcher	12 Ft	dblhitch	0.160	1.00	May			0.42	0.69						1.11
Grain drill	12 ft	143	0.210	1.00	May	2.90	2.15	0.71	1.09	0.231	1.73				8.58
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.94	0.94
Ditcher side	1.5 ft	68	0.050	1.00	Jun	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Classic	oz											0.5000	17.50	8.75	8.75
Surfactant	pt											0.4000	1.34	0.54	0.54
Airplane Insect	acre			1.00	Aug							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	Oct			2.66	2.90	0.250	1.88				7.43
Storage Soybeans	bu			1.00	Oct							28.0000	0.30	8.40	8.40
TOTALS						11.11	8.00	17.13	23.76	1.524	12.67			86.86	159.53
INTEREST ON OPERATING CAPITAL															5.63
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															165.16

Table 33. Estimated costs and returns per acre.
Soybeans, Drill Planted, Tenant-operator,
Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	28.0000	182.00	
Land share rent	bu	6.50	-5.6000	-36.40	
TOTAL INCOME				145.60	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane Insect	acre	3.80	1.0000	3.80	
Global Pos. System	acre	0.40	1.0000	0.40	
Storage Soybeans	bu	0.30	22.4000	6.72	
FERTILIZER					
Phosphate	lbs	0.21	42.5000	8.92	
Potash	lbs	0.12	85.0000	10.20	
HERBICIDES					
Dual 8E	pt	7.85	2.0000	15.70	
Classic	oz	17.50	0.5000	8.75	
Surfactant	pt	1.34	0.4000	0.54	
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.94	
INSECTICIDES					
Methyl parathion 4E	pt	3.16	1.0000	3.16	
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	1.88	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	6.4458	5.48	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	
REPAIR & MAINTENANCE					
Implements	acre	3.59	1.0000	3.59	
Tractors	acre	5.63	1.0000	5.63	
Self-Propelled Eq.	acre	10.53	1.0000	10.53	
INTEREST ON OP. CAP.	acre	5.62	1.0000	5.62	
TOTAL DIRECT EXPENSES				131.70	
RETURNS ABOVE DIRECT EXPENSES				13.90	
FIXED EXPENSES					
Implements	acre	5.22	1.0000	5.22	
Tractors	acre	8.00	1.0000	8.00	
Self-Propelled Eq.	acre	18.55	1.0000	18.55	
TOTAL FIXED EXPENSES				31.76	
TOTAL SPECIFIED EXPENSES				163.47	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-17.87	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-71.33	

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

Table 34. Estimated resource use and costs per acre for field operations.
Soybeans, Drill Planted, Tenant-operator,
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Land level	13 ft	143	0.190	0.20	Nov	0.52	0.39	0.06	0.14	0.042	0.31				1.43
Ditcher side	1.5 ft	68	0.050	1.00	Nov	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Disk	20 ft	143	0.100	2.00	Mar	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Fertilizer Truck	acre			1.00	Mar							1.0000	3.55	3.55	3.55
Phosphate	lbs											42.5000	0.21	8.92	8.92
Potash	lbs											85.0000	0.12	10.20	10.20
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Spike harrow	18 ft	dblhitch	0.080	1.00	Mar			0.05	0.08						0.13
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Boom sprayer	30 ft	93	0.060	1.00	May	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Dual 8E	pt											2.0000	7.85	15.70	15.70
Cultimulcher	12 Ft	dblhitch	0.160	1.00	May			0.42	0.69						1.11
Grain drill	12 ft	143	0.210	1.00	May	2.90	2.15	0.71	1.09	0.231	1.73				8.58
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.94	0.94
Ditcher side	1.5 ft	68	0.050	1.00	Jun	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Classic	oz											0.5000	17.50	8.75	8.75
Surfactant	pt											0.4000	1.34	0.54	0.54
Airplane Insect	acre			1.00	Aug							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	Oct			2.66	2.90	0.250	1.88				7.43
Storage Soybeans	bu			1.00	Oct							22.4000	0.30	6.72	6.72
TOTALS						11.11	8.00	17.13	23.76	1.524	12.67			85.18	157.85
INTEREST ON OPERATING CAPITAL															5.62
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															163.47

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

Table 35. Estimated costs and returns per acre.
Soybeans, Drill Planted, owner-operator, no-till
(after rice), Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Soybean	bu	6.50	28.0000	182.00	
TOTAL INCOME				182.00	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane Insect	acre	3.80	1.0000	3.80	
Global Pos. System	acre	0.40	1.0000	0.40	
Storage Soybeans	bu	0.30	27.0000	8.10	
FERTILIZER					
Phosphate	lbs	0.21	42.5000	8.92	
Potash	lbs	0.12	85.0000	10.20	
HERBICIDES					
Roundup	pt	6.13	1.2500	7.66	
Surfactant	pt	1.34	1.5000	2.01	
Reflex	oz	0.62	10.0000	6.20	
Fusilade DX	pt	13.80	1.1250	15.53	
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.94	
INSECTICIDES					
Methyl parathion 4E	pt	3.16	1.0000	3.16	
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	1.88	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	2.8425	2.42	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	
REPAIR & MAINTENANCE					
Implements	acre	1.55	1.0000	1.55	
Tractors	acre	2.52	1.0000	2.52	
Self-Propelled Eq.	acre	10.53	1.0000	10.53	
INTEREST ON OP. CAP.	acre	4.80	1.0000	4.80	
TOTAL DIRECT EXPENSES				126.39	
RETURNS ABOVE DIRECT EXPENSES				55.61	
FIXED EXPENSES					
Implements	acre	2.52	1.0000	2.52	
Tractors	acre	3.56	1.0000	3.56	
Self-Propelled Eq.	acre	18.55	1.0000	18.55	
TOTAL FIXED EXPENSES				24.62	
TOTAL SPECIFIED EXPENSES				151.01	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				30.99	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
SW Sbeans, Drill&NTd/	acre	33.47	1.0000	33.47	
RESIDUAL RETURNS				-66.96	

d/ This charge represents net income to a landlord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 36. Estimated resource use and costs per acre for field operations.
Soybeans, Drill Planted, owner-operator, no-till
(after rice), Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Levee plow	8 Ft	143	0.050	2.00	Mar	1.38	1.02	0.13	0.33	0.110	0.83				3.70
Fertilizer Truck	acre			1.00	Mar							1.0000	3.55	3.55	3.55
Phosphate	lbs											42.5000	0.21	8.92	8.92
Potash	lbs											85.0000	0.12	10.20	10.20
Ditcher side	1.5 ft	68	0.050	1.00	Apr	0.38	0.21	0.05	0.07	0.055	0.41				1.11
Boom sprayer	30 ft	93	0.060	1.00	May	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Roundup	pt											1.2500	6.13	7.66	7.66
Surfactant	pt											0.7500	1.34	1.01	1.01
No till drill (15)	15 ft	143	0.145	1.00	May	2.00	1.49	1.09	1.82	0.160	1.20				7.60
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.94	0.94
Boom sprayer	30 ft	93	0.060	1.00	Jul	0.59	0.42	0.14	0.15	0.066	0.50				1.79
Reflex	oz											10.0000	0.62	6.20	6.20
Fusilade DX	pt											1.1250	13.80	15.53	15.53
Surfactant	pt											0.7500	1.34	1.01	1.01
Airplane Insect	acre			1.00	Aug							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.0000	3.16	3.16	3.16
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.250	1.00	Oct			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	Oct			2.66	2.90	0.250	1.88				7.43
Storage Soybeans	bu			1.00	Oct							27.0000	0.30	8.10	8.10
TOTALS						4.93	3.56	15.09	21.06	0.982	8.60			92.97	146.21
INTEREST ON OPERATING CAPITAL															4.80
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															151.01

Table 37. Estimated costs and returns per acre.
Corn, 6 row (36") equip, Owner-operator,
Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	2.70	100.0000	270.00	
TOTAL INCOME				270.00	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Drying Charge	bu	0.19	100.0000	19.00	
FERTILIZER					
Nitrogen	lbs	0.26	160.0000	41.60	
Phosphate	lbs	0.21	40.0000	8.40	
Potash	lbs	0.12	40.0000	4.80	
HERBICIDES					
Atrazine 4L	pt	1.35	2.0000	2.70	
Lasso	pt	3.23	2.0000	6.46	
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	
INSECTICIDES					
Counter 20G	lbs	1.85	4.5000	8.33	
SEED					
Corn seed	thou	0.93	28.0000	26.04	
OPERATOR LABOR					
Implements	hour	7.50	0.1100	0.83	
Tractors	hour	7.50	1.3530	10.15	
Self-Propelled Eq.	hour	7.50	0.4000	3.00	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	9.2070	7.83	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	2.0000	2.40	
REPAIR & MAINTENANCE					
Implements	acre	4.90	1.0000	4.90	
Tractors	acre	8.04	1.0000	8.04	
Self-Propelled Eq.	acre	11.60	1.0000	11.60	
INTEREST ON OP. CAP.	acre	7.38	1.0000	7.38	
TOTAL DIRECT EXPENSES				184.79	
RETURNS ABOVE DIRECT EXPENSES				85.21	
FIXED EXPENSES					
Implements	acre	6.78	1.0000	6.78	
Tractors	acre	11.70	1.0000	11.70	
Self-Propelled Eq.	acre	20.91	1.0000	20.91	
TOTAL FIXED EXPENSES				39.39	
TOTAL SPECIFIED EXPENSES				224.18	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				45.82	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
RESIDUAL RETURNS				-18.66	
SW Corn, 6 rowd/	acre	50.17	1.0000	50.17	
RESIDUAL RETURNS				-68.83	

d/ This charge represents net income to a landlord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 38. Estimated resource use and costs per acre for field operations.
Corn, 6 row (36") equip, Owner-operator,
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Sep	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Sep	0.49	0.35	0.10	0.14	0.055	0.41				1.49
V- Ripper	7 shank	143	0.170	1.00	Nov	2.35	1.74	0.44	0.57	0.187	1.40				6.50
Disk	20 ft	143	0.100	1.00	Feb	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Feb	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	1.00	Feb	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Fertilizer Truck	acre			1.00	Feb							1.0000	3.55	3.55	3.55
Nitrogen	lbs											40.0000	0.26	10.40	10.40
Phosphate	lbs											40.0000	0.21	8.40	8.40
Potash	lbs											40.0000	0.12	4.80	4.80
Hipper	20 ft	143	0.090	2.00	Feb	2.49	1.84	0.45	0.64	0.198	1.49				6.91
Conditioner	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.43	0.54	0.099	0.74				3.88
Plant + pre	20 Ft	143	0.110	1.00	Mar	1.52	1.13	0.82	1.26	0.231	1.73				6.46
Corn seed	thou											28.0000	0.93	26.04	26.04
Atrazine 4L	pt											2.0000	1.35	2.70	2.70
Lasso	pt											2.0000	3.23	6.46	6.46
Counter 20G	lbs											4.5000	1.85	8.33	8.33
Fertilizer app liq	18 ft	93	0.130	1.00	Apr	1.27	0.91	0.55	0.63	0.143	1.07				4.43
Nitrogen	lbs											120.0000	0.26	31.20	31.20
Cultivator	20 ft	143	0.100	1.00	Apr	1.38	1.02	0.26	0.38	0.110	0.83				3.87
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Combine corn	20 Ft		0.250	1.00	Aug			11.26	16.28	0.275	3.30				30.83
Truck	5 ton		1.000	0.40	Aug			4.25	4.63	0.400	3.00				11.88
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						15.86	11.70	20.41	27.69	2.138	17.27			123.88	216.80
INTEREST ON OPERATING CAPITAL															7.38
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															224.18

Table 39. Estimated costs and returns per acre.
Corn, 6 row (36") equip, tenant operator,
Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Corn	bu	2.70	100.0000	270.00	
Land share rent	bu	2.70	-20.0000	-54.00	
TOTAL INCOME				216.00	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Drying Charge	bu	0.19	80.0000	15.20	
FERTILIZER					
Nitrogen	lbs	0.26	160.0000	41.60	
Phosphate	lbs	0.21	40.0000	8.40	
Potash	lbs	0.12	40.0000	4.80	
HERBICIDES					
Atrazine 4L	pt	1.35	2.0000	2.70	
Lasso	pt	3.23	2.0000	6.46	
HIRED LABOR					
Other labor	hour	7.50	0.4000	3.00	
INSECTICIDES					
Counter 20G	lbs	1.85	4.5000	8.33	
SEED					
Corn seed	thou	0.93	28.0000	26.04	
OPERATOR LABOR					
Implements	hour	7.50	0.1100	0.83	
Tractors	hour	7.50	1.3530	10.15	
Self-Propelled Eq.	hour	7.50	0.4000	3.00	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	9.2070	7.83	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	2.0000	2.40	
REPAIR & MAINTENANCE					
Implements	acre	4.90	1.0000	4.90	
Tractors	acre	8.04	1.0000	8.04	
Self-Propelled Eq.	acre	11.60	1.0000	11.60	
INTEREST ON OP. CAP.	acre	7.35	1.0000	7.35	
TOTAL DIRECT EXPENSES				180.96	
RETURNS ABOVE DIRECT EXPENSES				35.04	
FIXED EXPENSES					
Implements	acre	6.78	1.0000	6.78	
Tractors	acre	11.70	1.0000	11.70	
Self-Propelled Eq.	acre	20.91	1.0000	20.91	
TOTAL FIXED EXPENSES				39.39	
TOTAL SPECIFIED EXPENSES				220.35	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-4.35	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-57.81	

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

Table 40. Estimated resource use and costs per acre for field operations.
Corn, 6 row (36") equip, tenant operator,
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars		dollars			dollars			dollars	
Disk	20 ft	143	0.100	1.00	Sep	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Sep	0.49	0.35	0.10	0.14	0.055	0.41				1.49
V- Ripper	7 shank	143	0.170	1.00	Nov	2.35	1.74	0.44	0.57	0.187	1.40				6.50
Disk	20 ft	143	0.100	1.00	Feb	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Feb	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	1.00	Feb	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Fertilizer Truck	acre			1.00	Feb							1.0000	3.55	3.55	3.55
Nitrogen	lbs											40.0000	0.26	10.40	10.40
Phosphate	lbs											40.0000	0.21	8.40	8.40
Potash	lbs											40.0000	0.12	4.80	4.80
Hipper	20 ft	143	0.090	2.00	Feb	2.49	1.84	0.45	0.64	0.198	1.49				6.91
Conditioner	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.43	0.54	0.099	0.74				3.88
Plant + pre	20 Ft	143	0.110	1.00	Mar	1.52	1.13	0.82	1.26	0.231	1.73				6.46
Corn seed	thou											28.0000	0.93	26.04	26.04
Atrazine 4L	pt											2.0000	1.35	2.70	2.70
Lasso	pt											2.0000	3.23	6.46	6.46
Counter 20G	lbs											4.5000	1.85	8.33	8.33
Fertilizer app liq	18 ft	93	0.130	1.00	Apr	1.27	0.91	0.55	0.63	0.143	1.07				4.43
Nitrogen	lbs											120.0000	0.26	31.20	31.20
Cultivator	20 ft	143	0.100	1.00	Apr	1.38	1.02	0.26	0.38	0.110	0.83				3.87
Ditcher rotary	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Combine corn	20 Ft		0.250	1.00	Aug			11.26	16.28	0.275	3.30				30.83
Truck	5 ton		1.000	0.40	Aug			4.25	4.63	0.400	3.00				11.88
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						15.86	11.70	20.41	27.69	2.138	17.27			120.08	213.00
INTEREST ON OPERATING CAPITAL															7.35
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															220.35

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

Table 41. Estimated costs and returns per acre.
Milo, Drill planted, Owner-operator, Southwest Louisiana,1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milo	Cwt	4.50	37.0000	166.50	_____
TOTAL INCOME				166.50	_____
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	_____
Airplane Insect	acre	3.80	1.0000	3.80	_____
Global Pos. System	acre	0.40	1.0000	0.40	_____
FERTILIZER					
Nitrogen	lbs	0.26	104.0000	27.04	_____
Phosphate	lbs	0.21	48.0000	10.08	_____
Potash	lbs	0.12	48.0000	5.76	_____
HERBICIDES					
Bicep	qt	8.10	2.4000	19.44	_____
INSECTICIDES					
Sevin XLR	pt	3.05	2.0000	6.10	_____
SEED					
Milo seed	lbs	0.85	9.0000	7.65	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.5720	4.29	_____
Self-Propelled Eq.	hour	7.50	0.2500	1.88	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	_____
DIESEL FUEL					
Tractors	gal	0.85	4.6440	3.95	_____
Self-Propelled Eq.	gal	0.85	1.7750	1.51	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	_____
REPAIR & MAINTENANCE					
Implements	acre	2.50	1.0000	2.50	_____
Tractors	acre	3.87	1.0000	3.87	_____
Self-Propelled Eq.	acre	10.53	1.0000	10.53	_____
INTEREST ON OP. CAP.	acre	4.08	1.0000	4.08	_____
TOTAL DIRECT EXPENSES				121.23	_____
RETURNS ABOVE DIRECT EXPENSES				45.27	_____
FIXED EXPENSES					
Implements	acre	3.57	1.0000	3.57	_____
Tractors	acre	5.77	1.0000	5.77	_____
Self-Propelled Eq.	acre	18.55	1.0000	18.55	_____
TOTAL FIXED EXPENSES				27.88	_____
TOTAL SPECIFIED EXPENSES				149.11	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				17.39	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	_____
Land, Milo1/	acre	33.30	1.0000	33.30	_____
RESIDUAL RETURNS				-80.39	_____

d/ This charge represents net income to a landlord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 42. Estimated resource use and costs per acre for field operations. Milo, Drill planted, Owner-operator, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars		dollars			dollars		dollars		
Disk	26.6 ft	225	0.070	1.00	Feb	1.25	0.92	0.49	0.70	0.077	0.58				3.94
Disk	26.6 ft	225	0.070	2.00	Mar	2.49	1.84	0.99	1.40	0.154	1.16				7.88
Ditcher side	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.05	0.07	0.055	0.41				1.36
Boom sprayer	30 ft	143	0.060	1.00	Apr	0.83	0.61	0.14	0.15	0.066	0.50				2.22
Bicep	qt											2.4000	8.10	19.44	19.44
Fertilizer Truck	acre			1.00	Apr							1.0000	3.55	3.55	3.55
Nitrogen	lbs											104.0000	0.26	27.04	27.04
Phosphate	lbs											48.0000	0.21	10.08	10.08
Potash	lbs											48.0000	0.12	5.76	5.76
Field cultivator	32 ft	225	0.050	1.00	Apr	0.89	0.66	0.26	0.38	0.055	0.41				2.60
Grain drill	20 ft	143	0.100	1.00	Apr	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Milo seed	lbs											9.0000	0.85	7.65	7.65
Ditcher side	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.05	0.07	0.055	0.41				1.36
Airplane Insect	acre			1.00	Jul							1.0000	3.80	3.80	3.80
Sevin XLR	pt											2.0000	3.05	6.10	6.10
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.250	1.00	Aug			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	Aug			2.66	2.90	0.250	1.88				7.43
TOTALS						7.82	5.77	16.04	22.12	1.097	9.47			83.82	145.03
INTEREST ON OPERATING CAPITAL															4.08
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															149.11

Table 43. Estimated costs and returns per acre. Milo, Drill planted, Tenant-operator, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milo	Cwt	4.50	37.0000	166.50	
Land share rent	Cwt	4.50	-7.4000	-33.30	
TOTAL INCOME				133.20	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane Insect	acre	3.80	1.0000	3.80	
Global Pos. System	acre	0.40	1.0000	0.40	
FERTILIZER					
Nitrogen	lbs	0.26	104.0000	27.04	
Phosphate	lbs	0.21	48.0000	10.08	
Potash	lbs	0.12	48.0000	5.76	
HERBICIDES					
Bicep	qt	8.10	2.4000	19.44	
INSECTICIDES					
Sevin XLR	pt	3.05	2.0000	6.10	
SEED					
Milo seed	lbs	0.85	9.0000	7.65	
OPERATOR LABOR					
Tractors	hour	7.50	0.5720	4.29	
Self-Propelled Eq.	hour	7.50	0.2500	1.88	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	4.6440	3.95	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	
REPAIR & MAINTENANCE					
Implements	acre	2.50	1.0000	2.50	
Tractors	acre	3.87	1.0000	3.87	
Self-Propelled Eq.	acre	10.53	1.0000	10.53	
INTEREST ON OP. CAP.	acre	4.08	1.0000	4.08	
TOTAL DIRECT EXPENSES				121.23	
RETURNS ABOVE DIRECT EXPENSES				11.97	
FIXED EXPENSES					
Implements	acre	3.57	1.0000	3.57	
Tractors	acre	5.77	1.0000	5.77	
Self-Propelled Eq.	acre	18.55	1.0000	18.55	
TOTAL FIXED EXPENSES				27.88	
TOTAL SPECIFIED EXPENSES				149.11	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-15.91	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-69.37	

Table 44. Estimated resource use and costs per acre for field operations. Milo, Drill planted, Tenant-operator, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	26.6 ft	225	0.070	1.00	Feb	1.25	0.92	0.49	0.70	0.077	0.58				3.94
Disk	26.6 ft	225	0.070	2.00	Mar	2.49	1.84	0.99	1.40	0.154	1.16				7.88
Ditcher side	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.05	0.07	0.055	0.41				1.36
Boom sprayer	30 ft	143	0.060	1.00	Apr	0.83	0.61	0.14	0.15	0.066	0.50				2.22
Bicep	qt											2.4000	8.10	19.44	19.44
Fertilizer Truck	acre			1.00	Apr							1.0000	3.55	3.55	3.55
Nitrogen	lbs											104.0000	0.26	27.04	27.04
Phosphate	lbs											48.0000	0.21	10.08	10.08
Potash	lbs											48.0000	0.12	5.76	5.76
Field cultivator	32 ft	225	0.050	1.00	Apr	0.89	0.66	0.26	0.38	0.055	0.41				2.60
Grain drill	20 ft	143	0.100	1.00	Apr	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Milo seed	lbs											9.0000	0.85	7.65	7.65
Ditcher side	1.5 ft	93	0.050	1.00	Apr	0.49	0.35	0.05	0.07	0.055	0.41				1.36
Airplane Insect	acre			1.00	Jul							1.0000	3.80	3.80	3.80
Sevin XLR	pt											2.0000	3.05	6.10	6.10
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.250	1.00	Aug			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	Aug			2.66	2.90	0.250	1.88				7.43
TOTALS						7.82	5.77	16.04	22.12	1.097	9.47			83.82	145.03
INTEREST ON OPERATING CAPITAL															4.08
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															149.11

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

Table 45. Estimated costs and returns per acre. Wheat, drill planted, owner-operator, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	3.70	34.0000	125.80	
TOTAL INCOME				125.80	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane Fert	cwt	3.95	0.9000	3.56	
Global Pos. System	acre	0.40	2.0000	0.80	
Airplane Insect	acre	3.80	1.0000	3.80	
FERTILIZER					
Nitrogen	lbs	0.26	70.5000	18.33	
Phosphate	lbs	0.21	45.0000	9.45	
Potash	lbs	0.12	45.0000	5.40	
INSECTICIDES					
Methyl parathion 4E	pt	3.16	1.5000	4.74	
SEED					
Wheat seed	lbs	0.25	75.0000	18.75	
OPERATOR LABOR					
Tractors	hour	7.50	0.4840	3.63	
Self-Propelled Eq.	hour	7.50	0.2500	1.88	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	
DIESEL FUEL					
Tractors	gal	0.85	3.4290	2.91	
Self-Propelled Eq.	gal	0.85	1.7750	1.51	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	
REPAIR & MAINTENANCE					
Implements	acre	2.01	1.0000	2.01	
Tractors	acre	2.96	1.0000	2.96	
Self-Propelled Eq.	acre	10.53	1.0000	10.53	
INTEREST ON OP. CAP.	acre	4.08	1.0000	4.08	
TOTAL DIRECT EXPENSES				102.68	
RETURNS ABOVE DIRECT EXPENSES				23.12	
FIXED EXPENSES					
Implements	acre	2.91	1.0000	2.91	
Tractors	acre	4.35	1.0000	4.35	
Self-Propelled Eq.	acre	18.55	1.0000	18.55	
TOTAL FIXED EXPENSES				25.80	
TOTAL SPECIFIED EXPENSES				128.49	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-2.69	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Land, Wheatd/	acre	25.16	1.0000	25.16	
RESIDUAL RETURNS				-92.33	

d/ This charge represents net income to a landlord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 46. Estimated resource use and costs per acre for field operations. Wheat, drill planted, owner-operator, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	2.00	Nov	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Fertilizer Truck	acre			1.00	Nov							1.0000	3.55	3.55	3.55
Nitrogen	lbs											30.0000	0.26	7.80	7.80
Phosphate	lbs											45.0000	0.21	9.45	9.45
Potash	lbs											45.0000	0.12	5.40	5.40
Field cultivator	20 ft	143	0.090	1.00	Nov	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Grain drill	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Wheat seed	lbs											75.0000	0.25	18.75	18.75
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Airplane Fert	cwt			1.00	Feb							0.9000	3.95	3.56	3.56
Nitrogen	lbs											40.5000	0.26	10.53	10.53
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Apr							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.250	1.00	May			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	May			2.66	2.90	0.250	1.88				7.43
TOTALS						5.88	4.35	15.55	21.46	1.009	8.81			68.38	124.41
INTEREST ON OPERATING CAPITAL															4.08
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															128.49

0Table 47. Estimated costs and returns per acre. Wheat, drill planted, Tenant-operator, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	3.70	34.0000	125.80	_____
Land share rent	bu	3.70	-6.8000	-25.16	_____
TOTAL INCOME				100.64	_____
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	_____
Airplane Fert	cwt	3.95	0.9000	3.56	_____
Global Pos. System	acre	0.40	2.0000	0.80	_____
Airplane Insect	acre	3.80	1.0000	3.80	_____
FERTILIZER					
Nitrogen	lbs	0.26	70.5000	18.33	_____
Phosphate	lbs	0.21	45.0000	9.45	_____
Potash	lbs	0.12	45.0000	5.40	_____
INSECTICIDES					
Methyl parathion 4E	pt	3.16	1.5000	4.74	_____
SEED					
Wheat seed	lbs	0.25	75.0000	18.75	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.4840	3.63	_____
Self-Propelled Eq.	hour	7.50	0.2500	1.88	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.2750	3.30	_____
DIESEL FUEL					
Tractors	gal	0.85	3.4290	2.91	_____
Self-Propelled Eq.	gal	0.85	1.7750	1.51	_____
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.2500	1.50	_____
REPAIR & MAINTENANCE					
Implements	acre	2.01	1.0000	2.01	_____
Tractors	acre	2.96	1.0000	2.96	_____
Self-Propelled Eq.	acre	10.53	1.0000	10.53	_____
INTEREST ON OP. CAP.	acre	4.08	1.0000	4.08	_____
TOTAL DIRECT EXPENSES				102.68	_____
RETURNS ABOVE DIRECT EXPENSES				-2.04	_____
FIXED EXPENSES					
Implements	acre	2.91	1.0000	2.91	_____
Tractors	acre	4.35	1.0000	4.35	_____
Self-Propelled Eq.	acre	18.55	1.0000	18.55	_____
TOTAL FIXED EXPENSES				25.80	_____
TOTAL SPECIFIED EXPENSES				128.49	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-27.85	_____
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	_____
RESIDUAL RETURNS				-81.31	_____

Table 48. Estimated resource use and costs per acre for field operations. Wheat, drill planted, Tenant-operator, Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	2.00	Nov	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Fertilizer Truck	acre			1.00	Nov							1.0000	3.55	3.55	3.55
Nitrogen	lbs											30.0000	0.26	7.80	7.80
Phosphate	lbs											45.0000	0.21	9.45	9.45
Potash	lbs											45.0000	0.12	5.40	5.40
Field cultivator	20 ft	143	0.090	1.00	Nov	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Grain drill	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Wheat seed	lbs											75.0000	0.25	18.75	18.75
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Airplane Fert	cwt			1.00	Feb							0.9000	3.95	3.56	3.56
Nitrogen	lbs											40.5000	0.26	10.53	10.53
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Apr							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine medium	20 Ft		0.250	1.00	May			10.88	15.65	0.275	3.30				29.83
Truck	5 ton		1.000	0.25	May			2.66	2.90	0.250	1.88				7.43
TOTALS						5.88	4.35	15.55	21.46	1.009	8.81			68.38	124.41
INTEREST ON OPERATING CAPITAL															4.08
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															128.49

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

Table 49. Estimated costs and returns per acre.
Wheat-Soybean double crop, drill planted, owner- operator,
Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	3.70	34.0000	125.80	
Soybean	bu	6.50	26.0000	169.00	
TOTAL INCOME				294.80	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane Fert	cwt	3.95	0.9000	3.56	
Global Pos. System	acre	0.40	4.0000	1.60	
Airplane Insect	acre	3.80	2.0000	7.60	
Airplane benlate	acre	4.40	1.0000	4.40	
FERTILIZER					
Nitrogen	lbs	0.26	70.5000	18.33	
Phosphate	lbs	0.21	45.0000	9.45	
Potash	lbs	0.12	45.0000	5.40	
HERBICIDES					
Dual 8E	pt	7.85	2.0000	15.70	
Classic	oz	17.50	0.5000	8.75	
Surfactant	pt	1.34	0.4000	0.54	
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.94	
INSECTICIDES					
Methyl parathion 4E	pt	3.16	2.0000	6.32	
SEED					
Wheat seed	lbs	0.25	75.0000	18.75	
Soybean seed	lbs	0.30	75.0000	22.50	
OPERATOR LABOR					
Tractors	hour	7.50	1.0450	7.84	
Self-Propelled Eq.	hour	7.50	0.5000	3.75	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.5500	6.60	
DIESEL FUEL					
Tractors	gal	0.85	6.9930	5.94	
Self-Propelled Eq.	gal	0.85	3.5500	3.02	
GASOLINE					
Self-Propelled Eq.	gal	1.20	2.5000	3.00	
REPAIR & MAINTENANCE					
Implements	acre	4.29	1.0000	4.29	
Tractors	acre	6.13	1.0000	6.13	
Self-Propelled Eq.	acre	21.06	1.0000	21.06	
INTEREST ON OP. CAP.	acre	11.95	1.0000	11.95	
TOTAL DIRECT EXPENSES				200.96	
RETURNS ABOVE DIRECT EXPENSES				93.84	
FIXED EXPENSES					
Implements	acre	6.26	1.0000	6.26	
Tractors	acre	8.89	1.0000	8.89	
Self-Propelled Eq.	acre	32.69	1.0000	32.69	
TOTAL FIXED EXPENSES				47.85	
TOTAL SPECIFIED EXPENSES				248.81	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				45.99	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Land, Wheat/SB Dbled/	acre	58.96	1.0000	58.96	
RESIDUAL RETURNS				-77.45	

d/ This charge represents net income to a landlord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 50. Estimated resource use and costs per acre for field operations.
Wheat-Soybean double crop, drill planted, owner-operator,
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	2.00	Dec	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Fertilizer Truck	acre			1.00	Dec							1.0000	3.55	3.55	3.55
Nitrogen	lbs											30.0000	0.26	7.80	7.80
Phosphate	lbs											45.0000	0.21	9.45	9.45
Potash	lbs											45.0000	0.12	5.40	5.40
Field cultivator	20 ft	143	0.090	1.00	Dec	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Grain drill	20 ft	143	0.100	1.00	Dec	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Wheat seed	lbs											75.0000	0.25	18.75	18.75
Ditcher rotary	1.5 ft	93	0.050	1.00	Dec	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Airplane Fert	cwt			1.00	Feb							0.9000	3.95	3.56	3.56
Nitrogen	lbs											40.5000	0.26	10.53	10.53
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Apr							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine double crop	20 Ft		0.250	1.00	May			10.88	13.45	0.275	3.30				27.63
Truck	5 ton		1.000	0.25	May			2.66	2.90	0.250	1.88				7.43
Disk	20 ft	143	0.100	2.00	May	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Cultimulcher	12 Ft	93	0.160	1.00	Jun	1.56	1.12	0.42	0.69	0.176	1.32				5.12
Grain drill	20 ft	143	0.100	1.00	Jun	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.94	0.94
Boom sprayer	30 ft	dblhitch	0.060	1.00	Jun			0.14	0.15						0.29
Dual 8E	pt											2.0000	7.85	15.70	15.70
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Airplane benlate	acre			1.00	Aug							1.0000	4.40	4.40	4.40
Classic	oz											0.5000	17.50	8.75	8.75
Surfactant	pt											0.4000	1.34	0.54	0.54
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Sep							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											0.5000	3.16	1.58	1.58
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine double crop	20 Ft		0.250	1.00	Nov			10.88	13.45	0.275	3.30				27.63
Truck	5 ton		1.000	0.25	Nov			2.66	2.90	0.250	1.88				7.43
TOTALS						12.07	8.89	31.37	38.95	2.095	18.19			127.38	236.86
INTEREST ON OPERATING CAPITAL															11.95
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															248.81

Table 51. Estimated costs and returns per acre.
Wheat-Soybean double crop, drill planted, tenant-operator, Southwest Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Wheat	bu	3.70	34.0000	125.80	
Land share rent	bu	3.70	-6.8000	-25.16	
Soybean	bu	6.50	26.0000	169.00	
Land share rent	bu	6.50	-5.2000	-33.80	
TOTAL INCOME				235.84	
DIRECT EXPENSES					
CUSTOM					
Fertilizer Truck	acre	3.55	1.0000	3.55	
Airplane Fert	cwt	3.95	0.9000	3.56	
Global Pos. System	acre	0.40	4.0000	1.60	
Airplane Insect	acre	3.80	2.0000	7.60	
Airplane benlate	acre	4.40	1.0000	4.40	
FERTILIZER					
Nitrogen	lbs	0.26	70.5000	18.33	
Phosphate	lbs	0.21	45.0000	9.45	
Potash	lbs	0.12	45.0000	5.40	
HERBICIDES					
Dual 8E	pt	7.85	2.0000	15.70	
Classic	oz	17.50	0.5000	8.75	
Surfactant	pt	1.34	0.4000	0.54	
HIRED LABOR					
Other labor	hour	7.50	0.1250	0.94	
INSECTICIDES					
Methyl parathion 4E	pt	3.16	2.0000	6.32	
SEED					
Wheat seed	lbs	0.25	75.0000	18.75	
Soybean seed	lbs	0.30	75.0000	22.50	
OPERATOR LABOR					
Tractors	hour	7.50	1.0450	7.84	
Self-Propelled Eq.	hour	7.50	0.5000	3.75	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.5500	6.60	
DIESEL FUEL					
Tractors	gal	0.85	6.9930	5.94	
Self-Propelled Eq.	gal	0.85	3.5500	3.02	
GASOLINE					
Self-Propelled Eq.	gal	1.20	2.5000	3.00	
REPAIR & MAINTENANCE					
Implements	acre	4.29	1.0000	4.29	
Tractors	acre	6.13	1.0000	6.13	
Self-Propelled Eq.	acre	21.06	1.0000	21.06	
INTEREST ON OP. CAP.	acre	11.95	1.0000	11.95	
TOTAL DIRECT EXPENSES				200.96	
RETURNS ABOVE DIRECT EXPENSES				34.88	
FIXED EXPENSES					
Implements	acre	6.26	1.0000	6.26	
Tractors	acre	8.89	1.0000	8.89	
Self-Propelled Eq.	acre	32.69	1.0000	32.69	
TOTAL FIXED EXPENSES				47.85	
TOTAL SPECIFIED EXPENSES				248.81	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-12.97	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-66.43	

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

Table 52. Estimated resource use and costs per acre for field operations.
Wheat-Soybean double crop, drill planted, tenant-operator,
Southwest Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	2.00	Dec	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Fertilizer Truck	acre			1.00	Dec							1.0000	3.55	3.55	3.55
Nitrogen	lbs											30.0000	0.26	7.80	7.80
Phosphate	lbs											45.0000	0.21	9.45	9.45
Potash	lbs											45.0000	0.12	5.40	5.40
Field cultivator	20 ft	143	0.090	1.00	Dec	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Grain drill	20 ft	143	0.100	1.00	Dec	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Wheat seed	lbs											75.0000	0.25	18.75	18.75
Ditcher rotary	1.5 ft	93	0.050	1.00	Dec	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Airplane Fert	cwt			1.00	Feb							0.9000	3.95	3.56	3.56
Nitrogen	lbs											40.5000	0.26	10.53	10.53
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Apr							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											1.5000	3.16	4.74	4.74
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine double crop	20 Ft		0.250	1.00	May			10.88	13.45	0.275	3.30				27.63
Truck	5 ton		1.000	0.25	May			2.66	2.90	0.250	1.88				7.43
Disk	20 ft	143	0.100	2.00	May	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Cultimulcher	12 Ft	93	0.160	1.00	Jun	1.56	1.12	0.42	0.69	0.176	1.32				5.12
Grain drill	20 ft	143	0.100	1.00	Jun	1.38	1.02	0.53	0.81	0.110	0.83				4.57
Soybean seed	lbs											75.0000	0.30	22.50	22.50
Other labor	hour											0.1250	7.50	0.94	0.94
Boom sprayer	30 ft	dblhitch	0.060	1.00	Jun			0.14	0.15						0.29
Dual 8E	pt											2.0000	7.85	15.70	15.70
Ditcher rotary	1.5 ft	93	0.050	1.00	Jun	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Airplane benlate	acre			1.00	Aug							1.0000	4.40	4.40	4.40
Classic	oz											0.5000	17.50	8.75	8.75
Surfactant	pt											0.4000	1.34	0.54	0.54
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Airplane Insect	acre			1.00	Sep							1.0000	3.80	3.80	3.80
Methyl parathion 4E	pt											0.5000	3.16	1.58	1.58
Global Pos. System	acre											1.0000	0.40	0.40	0.40
Combine double crop	20 Ft		0.250	1.00	Nov			10.88	13.45	0.275	3.30				27.63
Truck	5 ton		1.000	0.25	Nov			2.66	2.90	0.250	1.88				7.43
TOTALS						12.07	8.89	31.37	38.95	2.095	18.19			127.38	236.86
INTEREST ON OPERATING CAPITAL															11.95
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															248.81

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

Table 53. Estimated costs and returns per acre. Rice, water planted, owner-operators, Central Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	50.0000	487.50	
Rice checkoff	cwt	0.06	-50.0000	-3.00	
TOTAL INCOME				484.50	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	acre	4.10	2.0000	8.20	
Global Pos. System	acre	0.20	6.3500	1.27	
Airplane seed	cwt	4.25	1.4000	5.95	
Airplane benlate	acre	4.40	1.0000	4.40	
Airplane Furadan[b/]	acre	4.05	0.5200	2.11	
Airplane hi-vol[b/]	acre	3.40	1.7000	5.78	
Airplane lo-vol[b/]	acre	2.45	0.1300	0.32	
Drying Ric[c/]	cwt	0.95	56.1770	53.37	
Storage Rice	cwt	0.40	50.0000	20.00	
FERTILIZER					
Nitrogen	lbs	0.26	135.0000	35.10	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.7000	11.06	
HERBICIDES					
Stam M4	qt	4.76	4.0000	19.04	
Londax	oz	14.15	1.0000	14.15	
HIRED LABOR					
Other labor	hour	7.50	1.0000	7.50	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.19	140.0000	25.90	
OPERATOR LABOR					
Tractors	hour	7.50	0.9581	7.19	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys.13 flood	hour	7.50	1.0800	8.10	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	5.2233	4.44	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irrig. sys.13 flood	gal	0.85	42.1200	35.80	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	2.44	1.0000	2.44	
Tractors	acre	5.20	1.0000	5.20	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irrig. sys.13 flood	acin	0.11	36.0000	3.96	
INTEREST ON OP. CAP.	acre	8.66	1.0000	8.66	
TOTAL DIRECT EXPENSES				326.92	
RETURNS ABOVE DIRECT EXPENSES				157.58	
FIXED EXPENSES					
Implements	acre	4.12	1.0000	4.12	
Tractors	acre	7.37	1.0000	7.37	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irrig. sys.13 flood	acre	19.28	1.0000	19.28	
TOTAL FIXED EXPENSES				58.97	
TOTAL SPECIFIED EXPENSES				385.88	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				98.62	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
Cen Rice Water Plant[d/]	acre	72.20	1.0000	72.20	
RESIDUAL RETURNS				-38.06	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 54. Estimated resource use and costs per acre for field operations.
Rice, water planted, owner-operators, Central Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Levee plow	8 Ft	143	0.050	2.00	Nov	1.38	1.02	0.13	0.33	0.110	0.83				3.70
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	1.00	Feb	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Dozer blade	10ft	93	0.850	0.06	Mar	0.50	0.36	0.06	0.14	0.056	0.42				1.47
Irrig. sys.13 flood	acin			1.00	Mar			9.94	19.28	0.270	2.03	9.0000			31.25
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	4.10	4.10	4.10
Nitrogen	lbs											90.0000	0.26	23.40	23.40
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane seed	cwt			1.00	Apr							1.4000	4.25	5.95	5.95
Rice seed	lbs											140.0000	0.19	25.90	25.90
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Other labor	hour			1.00	Apr							0.2000	7.50	1.50	1.50
Airplane benlate	acre			1.00	Apr							1.0000	4.40	4.40	4.40
Stam M4	qt											4.0000	4.76	19.04	19.04
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Irrig. sys.13 flood	acin			1.00	Apr			6.63		0.180	1.35	6.0000			7.98
Irrig. sys.13 flood	acin			1.00	May			5.52		0.150	1.13	5.0000			6.65
Airplane Furadan	acre											0.5200	4.05	2.11	2.11
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200	0.20	0.10	0.10
Irrig. sys.13 flood	acin			1.00	Jun			12.15		0.330	2.48	11.0000			14.62
Airplane Fert	acre											1.0000	4.10	4.10	4.10
Nitrogen	lbs											45.0000	0.26	11.70	11.70
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane hi-vol	acre			1.00	Jun							1.0000	3.40	3.40	3.40
Londax	oz											1.0000	14.15	14.15	14.15
Global Pos. System	acre											1.0000	0.20	0.20	0.20
Airplane hi-vol	acre			1.00	Jun							0.3500	3.40	1.19	1.19
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.20	0.07	0.07
Airplane hi-vol	acre			1.00	Jul							0.3500	3.40	1.19	1.19
Benlate 50% WP	lbs											0.3500	15.80	5.53	5.53
Global Pos. System	acre											0.3500	0.20	0.07	0.07
Irrig. sys.13 flood	acin			1.00	Jul			5.52		0.150	1.13	5.0000			6.65
Other labor	hour											0.2000	7.50	1.50	1.50
Airplane lo-vol	acre											0.1300	2.45	0.32	0.32
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300	0.20	0.03	0.03
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	93	1.000	0.38	Aug	3.26	2.67	0.77	1.55	0.418	3.14				11.39
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Aug							56.1770	0.95	53.37	53.37
Storage Rice	cwt											50.0000	0.40	20.00	20.00
TOTALS						9.64	7.37	62.78	51.59	2.836	23.15			222.68	377.22
INTEREST ON OPERATING CAPITAL															8.66
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															385.88

Table 55. Estimated costs and returns per acre. Rice, water planted, owner-operators, Northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	54.5000	531.38	
Rice checkoff	cwt	0.06	-54.5000	-3.27	
TOTAL INCOME				528.11	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.05	3.0000	12.15	
Airplane seed	cwt	4.25	1.4000	5.95	
Airplane Stam	acre	4.40	1.0000	4.40	
Airplane Furadan[b/]	acre	4.05	0.5200	2.11	
Airplane hi-vol[b/]	acre	3.15	0.4000	1.26	
Airplane lo-vol[b/]	acre	2.10	0.1300	0.27	
Drying Rice[c/]	cwt	0.95	61.2330	58.17	
Storage Rice	cwt	0.40	54.5000	21.80	
FERTILIZER					
Nitrogen	lbs	0.26	135.0000	35.10	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.4000	6.32	
HERBICIDES					
Stam M4	qt	4.76	4.0000	19.04	
HIRED LABOR					
Other labor	hour	7.50	0.2850	2.14	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.19	140.0000	25.90	
OPERATOR LABOR					
Tractors	hour	7.50	1.4410	10.81	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 4, fld, WP	hour	7.50	0.7200	5.40	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	9.0283	7.67	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irr sys 4, fld, WP	gal	0.85	24.1200	20.50	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	3.54	1.0000	3.54	
Tractors	acre	8.57	1.0000	8.57	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irr sys 4, fld, WP	acin	0.09	36.0000	3.24	
INTEREST ON OP. CAP.	acre	8.11	1.0000	8.11	
TOTAL DIRECT EXPENSES				299.45	
RETURNS ABOVE DIRECT EXPENSES				228.66	
FIXED EXPENSES					
Implements	acre	5.85	1.0000	5.85	
Tractors	acre	12.48	1.0000	12.48	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irr sys 4, fld, WP	acre	15.21	1.0000	15.21	
TOTAL FIXED EXPENSES				61.73	
TOTAL SPECIFIED EXPENSES				361.18	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				166.92	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
NE Rice, Water Plant[d/]	acre	142.61	1.0000	142.61	
RESIDUAL RETURNS				-40.17	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 56. Estimated resource use and costs per acre for field operations.
Rice, water planted, owner-operators, Northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	2.00	Mar	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Levee plow	8 Ft	143	0.050	5.00	Apr	3.45	2.56	0.33	0.83	0.275	2.06				9.24
Backhoe		93	1.000	0.06	Apr	0.59	0.42	0.26	0.38	0.066	0.50				2.14
Levee Gate	gate											0.1500	10.00	1.50	1.50
Irr sys 4, fld, WP	acin			1.00	Apr			5.94	15.21	0.180	1.35	9.0000			22.50
Other labor	hour											0.0750	7.50	0.56	0.56
Drag	14 ft	93	0.130	1.00	Apr	1.27	0.91	0.05	0.07	0.143	1.07				3.37
Airplane Fert	cwt											2.0000	4.05	8.10	8.10
Nitrogen	lbs											90.0000	0.26	23.40	23.40
Global Pos. System	acre											1.0000			
Airplane seed	cwt			1.00	May							1.4000	4.25	5.95	5.95
Rice seed	lbs											140.0000	0.19	25.90	25.90
Global Pos. System	acre											1.0000			
Other labor	hour			1.00	May							0.0750	7.50	0.56	0.56
Airplane Stam	acre			1.00	Jun							1.0000	4.40	4.40	4.40
Stam M4	qt											4.0000	4.76	19.04	19.04
Global Pos. System	acre											1.0000			
Irr sys 4, fld, WP	acin			1.00	Jun			7.25		0.220	1.65	11.0000			8.90
Other labor	hour											0.0600	7.50	0.45	0.45
Airplane Furadan	acre			1.00	Jun							0.5200	4.05	2.11	2.11
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200			
Airplane Fert	cwt			1.00	Jun							1.0000	4.05	4.05	4.05
Nitrogen	lbs											45.0000	0.26	11.70	11.70
Global Pos. System	acre											1.0000			
Airplane hi-vol	acre			1.00	Jul							0.2000	3.15	0.63	0.63
Benlate 50% WP	lbs											0.2000	15.80	3.16	3.16
Global Pos. System	acre											0.2000			
Irr sys 4, fld, WP	acin			1.00	Jul			7.25		0.220	1.65	11.0000			8.90
Airplane hi-vol	acre			1.00	Jul							0.2000	3.15	0.63	0.63
Benlate 50% WP	lbs											0.2000	15.80	3.16	3.16
Global Pos. System	acre											0.2000			
Irr sys 4, fld, WP	acin			1.00	Aug			3.30		0.100	0.75	5.0000			4.05
Airplane lo-vol	acre											0.1300	2.10	0.27	0.27
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300			
Other labor	hour			1.00	Aug							0.0750	7.50	0.56	0.56
Combine Rice	20 Ft		0.380	1.00	Sep			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	143	1.000	0.38	Sep	4.57	3.89	0.77	1.55	0.418	3.14				13.92
Truck	5 ton		1.000	0.38	Sep			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Sep							61.2330	0.95	58.17	58.17
Storage Rice	cwt											54.5000	0.40	21.80	21.80
TOTALS						16.25	12.48	47.87	49.25	2.959	24.07			203.15	353.07
INTEREST ON OPERATING CAPITAL															8.11
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															361.18

Table 57. Estimated costs and returns per acre. Rice, water planted, Tenant-operators, Northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	54.5000	531.38	
Land share rent	cwt	9.75	-10.9000	-106.28	
Water share rent	cwt	9.75	-10.9000	-106.28	
Rice checkoff	cwt	0.06	-32.7000	-1.96	
TOTAL INCOME				316.86	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.05	3.0000	12.15	
Airplane seed	cwt	4.25	1.4000	5.95	
Airplane Stam	acre	4.40	1.0000	4.40	
Airplane Furadan[b/]	acre	4.05	0.5200	2.11	
Airplane hi-vol[b/]	acre	3.15	0.4000	1.26	
Airplane lo-vol[b/]	acre	2.10	0.1300	0.27	
Drying Rice[c/]	cwt	0.95	36.7390	34.90	
Storage Rice	cwt	0.40	32.7000	13.08	
FERTILIZER					
Nitrogen	lbs	0.26	135.0000	35.10	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.4000	6.32	
HERBICIDES					
Stam M4	qt	4.76	4.0000	19.04	
HIRED LABOR					
Other labor	hour	7.50	0.2850	2.14	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.19	140.0000	25.90	
OPERATOR LABOR					
Tractors	hour	7.50	1.4410	10.81	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys. 5 flood	hour	7.50	0.7200	5.40	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	9.0283	7.67	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	3.54	1.0000	3.54	
Tractors	acre	8.57	1.0000	8.57	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irrig. sys. 5 flood	acin	0.09	36.0000	3.24	
INTEREST ON OP. CAP.	acre	7.18	1.0000	7.18	
TOTAL DIRECT EXPENSES				246.02	
RETURNS ABOVE DIRECT EXPENSES				70.84	
FIXED EXPENSES					
Implements	acre	5.85	1.0000	5.85	
Tractors	acre	12.48	1.0000	12.48	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
TOTAL FIXED EXPENSES				46.52	
TOTAL SPECIFIED EXPENSES				292.54	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				24.32	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-29.14	

*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/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1997.
c/ Drying cost charged on green weight.

Table 58. Estimated resource use and costs per acre for field operations.
Rice, water planted, Tenant-operators,
Northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	2.00	Mar	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Levee plow	8 Ft	143	0.050	5.00	Apr	3.45	2.56	0.33	0.83	0.275	2.06				9.24
Backhoe		93	1.000	0.06	Apr	0.59	0.42	0.26	0.38	0.066	0.50				2.14
Levee Gate	gate											0.1500	10.00	1.50	1.50
Irrig. sys. 5 flood	acin			1.00	Apr			0.81		0.180	1.35	9.0000			2.16
Other labor	hour											0.0750	7.50	0.56	0.56
Drag	14 ft	93	0.130	1.00	Apr	1.27	0.91	0.05	0.07	0.143	1.07				3.37
Airplane Fert	cwt											2.0000	4.05	8.10	8.10
Nitrogen	lbs											90.0000	0.26	23.40	23.40
Global Pos. System	acre											1.0000			
Airplane seed	cwt			1.00	May							1.4000	4.25	5.95	5.95
Rice seed	lbs											140.0000	0.19	25.90	25.90
Global Pos. System	acre											1.0000			
Other labor	hour			1.00	May							0.0750	7.50	0.56	0.56
Airplane Stam	acre			1.00	Jun							1.0000	4.40	4.40	4.40
Stam M4	qt											4.0000	4.76	19.04	19.04
Global Pos. System	acre											1.0000			
Irrig. sys. 5 flood	acin			1.00	Jun			0.99		0.220	1.65	11.0000			2.64
Other labor	hour											0.0600	7.50	0.45	0.45
Airplane Furadan	acre			1.00	Jun							0.5200	4.05	2.11	2.11
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200			
Airplane Fert	cwt			1.00	Jun							1.0000	4.05	4.05	4.05
Nitrogen	lbs											45.0000	0.26	11.70	11.70
Global Pos. System	acre											1.0000			
Airplane hi-vol	acre			1.00	Jul							0.2000	3.15	0.63	0.63
Benlate 50% WP	lbs											0.2000	15.80	3.16	3.16
Global Pos. System	acre											0.2000			
Irrig. sys. 5 flood	acin			1.00	Jul			0.99		0.220	1.65	11.0000			2.64
Airplane hi-vol	acre			1.00	Jul							0.2000	3.15	0.63	0.63
Benlate 50% WP	lbs											0.2000	15.80	3.16	3.16
Global Pos. System	acre											0.2000			
Irrig. sys. 5 flood	acin			1.00	Aug			0.45		0.100	0.75	5.0000			1.20
Airplane lo-vol	acre											0.1300	2.10	0.27	0.27
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300			
Other labor	hour			1.00	Aug							0.0750	7.50	0.56	0.56
Combine Rice	20 Ft		0.380	1.00	Sep			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	143	1.000	0.38	Sep	4.57	3.89	0.77	1.55	0.418	3.14				13.92
Truck	5 ton		1.000	0.38	Sep			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Sep							36.7390	0.95	34.90	34.90
Storage Rice	cwt											32.7000	0.40	13.08	13.08
TOTALS						16.25	12.48	27.36	34.04	2.959	24.07			171.16	285.37
INTEREST ON OPERATING CAPITAL															7.18
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															292.54

* 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.

Table 59. Estimated costs and returns per acre. Rice, Drill planted, owner-operators, Northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a]/					
Rice	cwt	9.75	54.5000	531.38	
Rice checkoff	cwt	0.06	-54.5000	-3.27	
TOTAL INCOME				528.11	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.05	3.0000	12.15	
Airplane Stam	acre	4.40	1.0000	4.40	
Airplane Furadan[b]/	acre	4.05	0.5200	2.11	
Airplane hi-vol[b]/	acre	3.15	0.4000	1.26	
Airplane lo-vol[b]/	acre	2.10	0.1300	0.27	
Drying Rice[c]/	cwt	0.95	61.2330	58.17	
Storage Rice	cwt	0.40	54.5000	21.80	
FERTILIZER					
Nitrogen	lbs	0.26	135.0000	35.10	
FUNGICIDES					
Benlate 50% WP[b]/	lbs	15.80	0.4000	6.32	
HERBICIDES					
Stam M4	qt	4.76	4.0000	19.04	
HIRED LABOR					
Other labor	hour	7.50	0.2850	2.14	
INSECTICIDES					
Furadan 3G[b]/	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b]/	pt	3.16	0.1300	0.41	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.19	90.0000	16.65	
OPERATOR LABOR					
Tractors	hour	7.50	1.8260	13.70	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irr sys 4, fld, DP	hour	7.50	0.8000	6.00	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	11.4313	9.72	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
Irr sys 4, fld, DP	gal	0.85	26.8000	22.78	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	4.57	1.0000	4.57	
Tractors	acre	10.72	1.0000	10.72	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irr sys 4, fld, DP	acin	0.09	40.0000	3.60	
INTEREST ON OP. CAP.	acre	8.38	1.0000	8.38	
TOTAL DIRECT EXPENSES				295.85	
RETURNS ABOVE DIRECT EXPENSES				232.26	
FIXED EXPENSES					
Implements	acre	7.62	1.0000	7.62	
Tractors	acre	15.55	1.0000	15.55	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
Irr sys 4, fld, DP	acre	15.84	1.0000	15.84	
TOTAL FIXED EXPENSES				67.21	
TOTAL SPECIFIED EXPENSES				363.05	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				165.05	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	64.48	1.0000	64.48	
NE Rice, Drill Plant[d]/	acre	139.61	1.0000	139.61	
RESIDUAL RETURNS				-39.04	

a/ Includes estimated market income only.
b/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.
d/ This charge represents net income to a land/water lord based on budgets applicable to a tenant version of the above budget, incorporating relevant cost share items, and may be interpreted as an opportunity cost to an owner/operator. **It does not represent an estimated cost of land**.

Table 60. Estimated resource use and costs per acre for field operations.
Rice, Drill planted, owner-operators,
Northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	2.00	Mar	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Land level	13 ft	143	0.190	1.00	Apr	2.62	1.95	0.31	0.68	0.209	1.57				7.13
Grain drill	12 ft	93	0.210	1.00	Apr	2.05	1.47	0.71	1.09	0.231	1.73				7.05
Rice seed	lbs											90.0000	0.19	16.65	16.65
Spike harrow	18 ft	93	0.080	1.00	Apr	0.78	0.56	0.05	0.08	0.088	0.66				2.13
Levee plow	8 Ft	143	0.050	5.00	Apr	3.45	2.56	0.33	0.83	0.275	2.06				9.24
Backhoe		93	1.000	0.06	May	0.59	0.42	0.26	0.38	0.066	0.50				2.14
Levee Gate	gate											0.1500	10.00	1.50	1.50
Irr sys 4, fld, DP	acin			1.00	May			2.64	15.84	0.080	0.60	4.0000			19.08
Other labor	hour											0.0750	7.50	0.56	0.56
Irr sys 4, fld, DP	acin			1.00	May			2.31		0.070	0.53	3.5000			2.83
Other labor	hour											0.0750	7.50	0.56	0.56
Airplane Fert	cwt			1.00	May							2.0000	4.05	8.10	8.10
Nitrogen	lbs											90.0000	0.26	23.40	23.40
Global Pos. System	acre											1.0000			
Airplane Stam	acre			1.00	May							1.0000	4.40	4.40	4.40
Stam M4	qt											4.0000	4.76	19.04	19.04
Global Pos. System	acre											1.0000			
Irr sys 4, fld, DP	acin			1.00	May			4.62		0.140	1.05	7.0000			5.67
Other labor	hour											0.0600	7.50	0.45	0.45
Airplane Furadan	acre			1.00	Jun							0.5200	4.05	2.11	2.11
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200			
Irr sys 4, fld, DP	acin			1.00	Jun			7.58		0.230	1.73	11.5000			9.31
Airplane Fert	cwt											1.0000	4.05	4.05	4.05
Nitrogen	lbs											45.0000	0.26	11.70	11.70
Global Pos. System	acre											1.0000			
Airplane hi-vol	acre			1.00	Jul							0.2000	3.15	0.63	0.63
Benlate 50% WP	lbs											0.2000	15.80	3.16	3.16
Global Pos. System	acre											0.2000			
Irr sys 4, fld, DP	acin			1.00	Jul			9.23		0.280	2.10	14.0000			11.33
Airplane hi-vol	acre											0.2000	3.15	0.63	0.63
Benlate 50% WP	lbs											0.2000	15.80	3.16	3.16
Global Pos. System	acre											0.2000			
Airplane lo-vol	acre			1.00	Jul							0.1300	2.10	0.27	0.27
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300			
Other labor	hour			1.00	Aug							0.0750	7.50	0.56	0.56
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	143	1.000	0.38	Aug	4.57	3.89	0.77	1.55	0.418	3.14				13.92
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Sep							61.2330	0.95	58.17	58.17
Storage Rice	cwt											54.5000	0.40	21.80	21.80
TOTALS						20.43	15.55	51.53	51.65	3.424	27.56			187.95	354.68
INTEREST ON OPERATING CAPITAL															8.38
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															363.05

Table 61. Estimated costs and returns per acre. Rice, Drill planted, Tenant-operators, Northeast Louisiana, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME[a/]					
Rice	cwt	9.75	54.5000	531.38	
Land share rent	cwt	9.75	-10.9000	-106.28	
Water share rent	cwt	9.75	-10.9000	-106.28	
Rice checkoff	cwt	0.06	-32.7000	-1.96	
TOTAL INCOME				316.86	
DIRECT EXPENSES					
CUSTOM					
Airplane Fert	cwt	4.05	3.0000	12.15	
Airplane Stam	acre	4.40	1.0000	4.40	
Airplane Furadan[b/]	acre	4.05	0.5200	2.11	
Airplane hi-vol[b/]	acre	3.15	0.4000	1.26	
Airplane lo-vol[b/]	acre	2.10	0.1300	0.27	
Drying Rice[c/]	cwt	0.95	36.7390	34.90	
Storage Rice	cwt	0.40	32.7000	13.08	
FERTILIZER					
Nitrogen	lbs	0.26	135.0000	35.10	
FUNGICIDES					
Benlate 50% WP[b/]	lbs	15.80	0.4000	6.32	
HERBICIDES					
Stam M4	qt	4.76	4.0000	19.04	
HIRED LABOR					
Other labor	hour	7.50	0.2850	2.14	
INSECTICIDES					
Furadan 3G[b/]	lbs	0.75	8.8400	6.63	
Methyl parathion 4E[b/]	pt	3.16	0.1300	0.41	
OTHER					
Levee Gate	gate	10.00	0.1500	1.50	
SEED					
Rice seed	lbs	0.19	90.0000	16.65	
OPERATOR LABOR					
Tractors	hour	7.50	1.8260	13.70	
Self-Propelled Eq.	hour	7.50	0.3800	2.85	
IRRIGATION LABOR					
Irrig. sys. 5 flood	hour	7.50	0.8000	6.00	
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.4180	5.02	
DIESEL FUEL					
Tractors	gal	0.85	11.4313	9.72	
Self-Propelled Eq.	gal	0.85	2.6980	2.29	
GASOLINE					
Self-Propelled Eq.	gal	1.20	1.9000	2.28	
REPAIR & MAINTENANCE					
Implements	acre	4.57	1.0000	4.57	
Tractors	acre	10.72	1.0000	10.72	
Self-Propelled Eq.	acre	16.01	1.0000	16.01	
Irrig. sys. 5 flood	acin	0.09	40.0000	3.60	
INTEREST ON OP. CAP.	acre	7.35	1.0000	7.35	
TOTAL DIRECT EXPENSES				240.05	
RETURNS ABOVE DIRECT EXPENSES				76.81	
FIXED EXPENSES					
Implements	acre	7.62	1.0000	7.62	
Tractors	acre	15.55	1.0000	15.55	
Self-Propelled Eq.	acre	28.19	1.0000	28.19	
TOTAL FIXED EXPENSES				51.37	
TOTAL SPECIFIED EXPENSES				291.42	
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				25.45	
ALLOCATED COST ITEMS					
Overhead (tenant)	acre	53.46	1.0000	53.46	
RESIDUAL RETURNS				-28.01	

*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/ Prorated use based on survey results of percentage of rice acreage actually treated in 1991 and expert opinion of these percentages for 1996.
c/ Drying cost charged on green weight.

Table 62. Estimated resource use and costs per acre for field operations.
Rice, Drill planted, Tenant-operators,
Northeast Louisiana, 1997.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk	20 ft	143	0.100	1.00	Nov	1.38	1.02	0.55	0.78	0.110	0.83				4.56
Ditcher rotary	1.5 ft	93	0.050	1.00	Nov	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Disk	20 ft	143	0.100	2.00	Mar	2.76	2.05	1.10	1.57	0.220	1.65				9.13
Ditcher rotary	1.5 ft	93	0.050	1.00	Mar	0.49	0.35	0.10	0.14	0.055	0.41				1.49
Field cultivator	20 ft	143	0.090	1.00	Mar	1.24	0.92	0.28	0.39	0.099	0.74				3.58
Land level	13 ft	143	0.190	1.00	Apr	2.62	1.95	0.31	0.68	0.209	1.57				7.13
Grain drill	12 ft	93	0.210	1.00	Apr	2.05	1.47	0.71	1.09	0.231	1.73				7.05
Rice seed	lbs											90.0000	0.19	16.65	16.65
Spike harrow	18 ft	93	0.080	1.00	Apr	0.78	0.56	0.05	0.08	0.088	0.66				2.13
Levee plow	8 Ft	143	0.050	5.00	Apr	3.45	2.56	0.33	0.83	0.275	2.06				9.24
Backhoe		93	1.000	0.06	May	0.59	0.42	0.26	0.38	0.066	0.50				2.14
Levee Gate	gate											0.1500	10.00	1.50	1.50
Irrig. sys. 5 flood	acin			1.00	May			0.36		0.080	0.60	4.0000			0.96
Other labor	hour											0.0750	7.50	0.56	0.56
Irrig. sys. 5 flood	acin			1.00	May			0.32		0.070	0.53	3.5000			0.84
Other labor	hour											0.0750	7.50	0.56	0.56
Airplane Fert	cwt			1.00	May							2.0000	4.05	8.10	8.10
Nitrogen	lbs											90.0000	0.26	23.40	23.40
Global Pos. System	acre											1.0000			
Airplane Stam	acre			1.00	May							1.0000	4.40	4.40	4.40
Stam M4	qt											4.0000	4.76	19.04	19.04
Global Pos. System	acre											1.0000			
Irrig. sys. 5 flood	acin			1.00	May			0.63		0.140	1.05	7.0000			1.68
Other labor	hour											0.0600	7.50	0.45	0.45
Airplane Furadan	acre			1.00	Jun							0.5200	4.05	2.11	2.11
Furadan 3G	lbs											8.8400	0.75	6.63	6.63
Global Pos. System	acre											0.5200			
Irrig. sys. 5 flood	acin			1.00	Jun			1.04		0.230	1.73	11.5000			2.76
Airplane Fert	cwt											1.0000	4.05	4.05	4.05
Nitrogen	lbs											45.0000	0.26	11.70	11.70
Global Pos. System	acre											1.0000			
Airplane hi-vol	acre			1.00	Jul							0.2000	3.15	0.63	0.63
Benlate 50% WP	lbs											0.2000	15.80	3.16	3.16
Global Pos. System	acre											0.2000			
Irrig. sys. 5 flood	acin			1.00	Jul			1.26		0.280	2.10	14.0000			3.36
Airplane hi-vol	acre											0.2000	3.15	0.63	0.63
Benlate 50% WP	lbs											0.2000	15.80	3.16	3.16
Global Pos. System	acre											0.2000			
Airplane lo-vol	acre			1.00	Jul							0.1300	2.10	0.27	0.27
Methyl parathion 4E	pt											0.1300	3.16	0.41	0.41
Global Pos. System	acre											0.1300			
Other labor	hour			1.00	Aug							0.0750	7.50	0.56	0.56
Combine Rice	20 Ft		0.380	1.00	Aug			16.54	23.79	0.418	5.02				45.35
Grain cart	350 bu	143	1.000	0.38	Aug	4.57	3.89	0.77	1.55	0.418	3.14				13.92
Truck	5 ton		1.000	0.38	Aug			4.04	4.40	0.380	2.85				11.29
Drying Rice	cwt			1.00	Sep							36.7390	0.95	34.90	34.90
Storage Rice	cwt											32.7000	0.40	13.08	13.08
TOTALS						20.43	15.55	28.75	35.81	3.424	27.56			155.96	284.07
INTEREST ON OPERATING CAPITAL															7.35
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															291.42

* 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.

Table 63. Projected Costs and Returns Per Acre, Rice, Landlord and Waterlord Share, Northeast Louisiana, 1997.

Item	Drill Planted	Water Planted
Gross Receipts from Production Rice[a]/	212.56	212.56
Irrigation Fuel	22.78	20.50
Drying [b]/	23.27	23.27
Storage	8.72	8.72
Interest on Operating Capital	1.03	.94
Rice Checkoff	1.31	1.31
Total Specified Variable Costs	57.11	54.74
Income above Variable Costs	155.45	157.82
Fixed Cost		
Irrigation Machinery	15.84	15.21
Total Specified Fixed Costs	15.84	15.21
Total Specified Costs	72.95	69.95
Net Returns to Ownership	139.61	142.61

*Rental arrangement was 1/5 cropshare each to the waterlord and the landlord. The waterlord paid all the irrigation fuel costs and both the landlord and the waterlord each paid 1/5 of the drying and storage costs. For most situations in Northeast Louisiana, the landlord and waterlord are the same entity.

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, 1997.

ITEM NAME	UNIT	UNIT PRICE (Dollars)	ITEM NAME	UNIT	UNIT PRICE (Dollars)
		Fertilizer			
Ammonium sulfate 21%	ton	150.00	0-26-26	ton	196.05
Lime (spread)	ton	32.00	6-24-24	ton	204.35
Urea (45%)	ton	230.00	8-24-24	ton	202.00
0-17-34	ton	176.90	13-13-13	ton	189.00
0-18-36	ton	185.00	17-17-17	ton	212.00
0-24-24	ton	196.00	19-19-19	ton	224.60
		Herbicides			
Arrosolo	gal.	23.70	Lexone 75DF	lbs.	24.90
Assure II	gal.	114.75	Londax	oz.	14.15
Atrazine 4L	gal.	10.80	Lorox 4L	gal.	56.00
Basagran 4L	gal.	66.30	Ordram 8E	gal.	51.15
Bicep (6L)	gal.	76.75	Ordram 15G	lbs.	1.00
Blazer 2L	gal.	57.55	Poast Plus	gal.	47.80
Bolero	gal.	45.00	Prowl 4	gal.	24.90
Canopy (75%G)	lbs.	37.40	Reflex	gal.	79.30
Classic (25%G)	oz.	17.50	Roundup Ultra	gal.	49.02
Cobra	gal.	112.70	Scepter OT	gal.	108.00
Command 4EC	gal.	78.70	Stam M4 (propanil)	gal.	19.05
Dual 8E	gal.	62.80	Surfactant	gal.	10.75
Fusilade DX	gal.	110.45	Treflan 4L	gal.	30.00
Lasso 4EC	gal.	25.80	2,4-D Amine	gal.	11.75
Lasso II	lbs.	1.05	2,4-DB Butoxone	gal.	33.00
			2,4-D LV4	gal.	14.25
		Insecticides			
Furadan 3G	lbs	0.75	Counter 20G	lbs	1.85
Methyl parathion 4E	gal.	25.30	Sevin XLR	gal.	24.20
		Fungicides			
Benlate 50% WP	lbs.	15.80	Rovral 4F	gal.	153.50
Tilt 428C	gal.	321.00	Topsin M 70W	lb.	14.00
		Seed			
Long Grain Rice	cwt.	18.50	Medium Grain Rice	cwt.	19.50
Milo (treated)	50 lbs.	52.90	Soybeans (Private)	50 lbs.	15.15
Corn	80,000 kernels	74.00	Wheat (grain)	50 lbs.	14.00
			Ryegrass (Gulf)	cwt.	27.75
		Seed Treatments			
Apron + TSX	lb.	21.06	Innoculant	5 bu.	2.25
		Fuels and Lubricants			
Gasoline	gal.	1.20	Hydraulic Oil	5 gal.	22.80
Diesel	gal.	0.85	Natural gas	mcf.	4.25
Motor Oil	gal.	5.55	Grease	tube	1.37
Gear Oil	gal.	5.69			

Appendix Table 1. Suggested Prices for Selected Farm Inputs and Aerial Application Rates, Louisiana, 1997. (cont.)

ITEM NAME	UNIT	UNIT PRICE (Dollars)	ITEM NAME	UNIT	UNIT PRICE (Dollars)
		Aerial Rates			
Southwest La:					
Rice: Dry Seed	cwt.	4.15	Fertilizer:		
Sprouted	cwt.	4.40	100-199 #/acre	cwt.	3.95
Ryegrass Seed	acre.	4.00	200-299#/acre	cwt.	3.70
Insecticides	2 gal.	3.80	300-399#/acre	cwt.	3.15
Fungicides	5 gal.	4.40	Granular	acre.	3.95
Herbicides	5 gal.	4.40	Propanil	10 gal.	4.85
2,4-D Herbicide	2 gal.	5.10	Global Pos. System	acre.	0.40
Central La:					
Rice: Dry Seed	cwt.	4.05	Fertilizer	cwt.	4.00
Sprouted	cwt.	4.25	Granular	acre.	4.50
Ryegrass Seed	acre.	4.00	Insecticides	2 gal.	2.45
Fungicides	5 gal.	3.40	Propanil	10 gal.	4.70
Global Pos. System	acre.	0.20			
Northeast La:					
Rice: Dry Seed	cwt.	4.05	Fertilizer	cwt.	4.05
Sprouted	cwt.	4.25	Granular	acre	4.05
Ryegrass Seed	acre.	4.05	Insecticides	2 gal.	2.10
Fungicides	5 gal.	3.15	Propanil	10 gal.	4.40
Global Pos. System	acre.	0.00			

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, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acre Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at $0.85 per gal	13,448.48	14,709.27
Oil	402.45	437.44
Oil Filters	137.87	149.86
Oil Change Labor	103.40	112.40
Gearhead Lubrication (labor included)	21.40	21.40
Repair and Maintenance (.5% of engine price)	75.83	75.83
Daily Inspection	106.56	116.55
Total Variable Cost (Power Unit)	$14,295.99	$15,622.75
Variable Costs (Well & Pump)	330.08	345.21
Total Variable Costs	$14,626.07	$15,967.96
Acre Inches Applied	7,104	7,770
Variable Cost/Acre Inch	2.059	2.055
Variable Costs/Acre	65.88	71.93
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	.975	.916
Fixed Cost/Acre	31.20	32.07
Total Costs	$21,551.47	$23,088.42
Total Costs/Acre Inch	3.034	2.971
Total Costs/Acre	97.08	104.00

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. Values used in the enterprise budgets are calculated based on variable costs of $2.06 per acre inch for all systems, excluding irrigation labor, and fixed costs per acre as indicated above. For con-till water plant and con-till drill plant systems, fixed costs per acre are reduced to $30.23 and $29.99, respectively.

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 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, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acre Inches of Irrigation Water Applied	7,104	7,770
Acre Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at $4.25 per mcf	10,318.01	11,285.32
Oil	103.84	110.84
Oil Filters	35.57	37.97
Oil Change Labor	26.68	28.48
Gearhead Lubrication (labor included)	21.40	21.40
Repair and Maintenance (.5% of engine price)	70.71	70.71
Daily Inspection	106.56	116.55
Total Variable Cost (Power Unit)	$10,682.77	$11,671.27
Variable Costs (Well & Pump)	330.08	345.21
Total Variable Costs	$11,012.85	$12,016.48
Acre Inches Applied	7,104	7,770
Variable Cost/Acre Inch	1.550	1.547
Variable Costs/Acre	49.61	54.13
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	.961	.903
Fixed Cost/Acre	30.75	31.60
Total Costs	$17,838.55	$19,030.97
Total Costs/Acre Inch	2.511	2.449
Total Costs/Acre	80.35	85.73

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 4. Summary of Estimated Irrigation Costs for a Well 10 Inches in Diameter and 300 Feet Deep with an Electric Power Unit, Southwest Louisiana, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acre Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at $0.09 per kwh	20,074.18	21,956.14
Oil	6.95	6.95
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)	$20,438.54	$22,325.50
Variable Costs (Well & Pump)	308.52	323.64
Total Variable Costs	$20,747.06	$22,649.14
Acre Inches Applied	7,104	7,770
Variable Cost/Acre Inch	2.920	2.915
Variable Costs/Acre	93.46	102.02
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	.797	.743
Fixed Cost/Acre	25.51	26.00
Total Costs	$26,409.72	$28,420.07
Total Costs/Acre Inch	3.718	3.658
Total Costs/Acre	118.96	128.02

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 5. Summary of Estimated Irrigation Costs for a Surface Water Source with a Diesel Power Unit, Southwest Louisiana, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acre Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at $0.85 per gal	5,524.77	6,042.72
Oil	229.97	249.97
Oil Filters	137.87	149.86
Oil Change Labor	103.40	112.40
Gearhead Lubrication (labor included)	21.40	21.40
Repair and Maintenance (.5% of engine price)	41.21	41.21
Daily Inspection	106.56	116.55
Total Variable Cost (Power Unit)	$6,165.18	$6,734.11
Variable Costs (Well & Pump)	273.09	288.22
Total Variable Costs	$6,438.27	$7,022.33
Acre Inches Applied	7,104	7,770
Variable Cost/Acre Inch	.906	.904
Variable Costs/Acre	29.00	31.63
Fixed Costs		
Interest on Investment	1,740.46	1,740.46
Other Fixed Costs	2,066.89	2,154.46
Total Fixed Costs	$3,807.35	$3,894.92
Fixed Cost/Acre Inch	.536	.501
Fixed Cost/Acre	17.15	17.54
Total Costs		
Total Costs/Acre Inch	1.442	1.405
Total Costs/Acre	46.15	49.18

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, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acre Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at $4.25 per mcf	4,238.74	4,636.13
Oil	59.34	63.34
Oil Filters	35.57	37.97
Oil Change Labor	26.68	28.48
Gearhead Lubrication (labor included)	21.40	21.40
Repair and Maintenance (.5% of engine price)	36.09	36.09
Daily Inspection	106.56	116.55
Total Variable Cost (Power Unit)	$4,524.38	$4,939.96
Variable Costs (Well & Pump)	273.09	288.22
Total Variable Costs	$4,797.47	$5,228.18
Acre Inches Applied	7,104	7,770
Variable Cost/Acre Inch	.675	.673
Variable Costs/Acre	21.61	23.55
Fixed Costs		
Interest on Investment	1,707.66	1,707.66
Other Fixed Costs	1,999.99	2,081.28
Total Fixed Costs	$3,707.65	$3,788.94
Fixed Cost/Acre Inch	.522	.488
Fixed Cost/Acre	16.70	17.07
Total Costs	$8,505.12	$9,017.12
Total Costs/Acre Inch	1.197	1.161
Total Costs/Acre	38.31	40.62

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 7. Summary of Estimated Irrigation Costs for a Surface Water Source with an Electric Power Unit, Southwest Louisiana, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	222	222
Acre Inches of Irrigation Water Applied	7,104	7,770
Variable Costs		
Fuel at $0.09 per kwh	7,345.22	8,033.84
Oil	5.56	5.56
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)	$7,680.44	$8,374.06
Variable Costs (Well & Pump)	261.88	277.00
Total Variable Costs	$7,942.32	$8,651.06
Acre Inches Applied	7,104	7,770
Variable Cost/Acre Inch	1.118	1.113
Variable Costs/Acre	35.78	38.97
Fixed Costs		
Interest on Investment	1,525.75	1,525.75
Other Fixed Costs	1,530.16	1,567.41
Total Fixed Costs	$3,055.91	$3,093.16
Fixed Cost/Acre Inch	.430	.398
Fixed Cost/Acre	13.77	13.93
Total Costs	$10,998.23	$11,744.22
Total Costs/Acre Inch	1.548	1.511
Total Costs/Acre	49.54	52.90

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 8. Summary of Estimated Irrigation Costs for a Well 12 Inches in Diameter and 100 Feet Deep with a Diesel Power Unit, Northeast Louisiana, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	200	200
Acre Inches of Irrigation Water Applied	8,000	7,200
Variable Costs		
Fuel at $0.85 per gal	4,541.66	4,087.50
Oil	188.25	171.09
Oil Filters	112.86	102.57
Oil Change Labor	84.64	76.93
Gearhead Lubrication (labor included)	21.40	21.40
Repair and Maintenance (.5% of engine price)	41.74	41.74
Daily Inspection	85.71	77.14
Total Variable Cost (Power Unit)	$5,076.26	$4,578.37
Variable Costs (Well & Pump)	223.19	210.21
Total Variable Costs	$5,299.45	$4,788.58
Acre Inches Applied	8,000	7,200
Variable Cost/Acre Inch	.662	.665
Variable Costs/Acre	26.50	23.94
Fixed Costs		
Interest on Investment	1,045.34	1,045.34
Other Fixed Costs	2,123.18	1,996.66
Total Fixed Costs	$3,168.52	$3,042.00
Fixed Cost/Acre Inch	.396	.423
Fixed Cost/Acre	15.84	15.21
Total Costs	$8,467.97	$7,830.58
Total Costs/Acre Inch	1.058	1.088
Total Costs/Acre	42.34	39.15

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. Values used in the enterprise budgets are calculated based on variable costs of $0.66 per acre inch, excluding irrigation labor, and fixed costs of $15.21 and $15.84 per acre for water and drill plant systems, respectively.

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 9. Summary of Estimated Irrigation Costs for a Well 12 Inches in Diameter and 100 Feet Deep with an Electric Power Unit, Northeast Louisiana, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	200	200
Acre Inches of Irrigation Water Applied	8,000	7,200
Variable Costs		
Fuel at $0.09 per kwh	6,752.37	6,077.13
Oil	5.56	5.56
Oil Change Labor	7.50	7.50
Repair and Maintenance (.5% of engine price)	21.01	21.01
Daily Inspection	42.86	38.57
Connection Charge	250.00	250.00
Total Variable Cost (Power Unit)	$7,079.30	$6,399.77
Variable Costs (Well & Pump)	211.87	198.89
Total Variable Costs	$7,291.17	$6,598.66
Acre Inches Applied	8,000	7,200
Variable Cost/Acre Inch	.911	.916
Variable Costs/Acre	36.46	32.99
Fixed Costs		
Interest on Investment	840.18	840.18
Other Fixed Costs	1,544.20	1,475.58
Total Fixed Costs	$2,384.38	$2,315.76
Fixed Cost/Acre Inch	.298	.322
Fixed Cost/Acre	11.92	11.58
Total Costs	$9,675.55	$8,914.42
Total Costs/Acre Inch	1.209	1.238
Total Costs/Acre	48.38	44.57

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, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	200	200
Acre Inches of Irrigation Water Applied	8,000	7,200
Variable Costs		
Fuel at $0.85 per gal	3,760.30	3,384.27
Oil	172.56	156.83
Oil Filters	112.86	102.57
Oil Change Labor	84.64	76.93
Gearhead Lubrication (labor included)	21.40	21.40
Repair and Maintenance (.5% of engine price)	37.50	37.50
Daily Inspection	85.71	77.14
Total Variable Cost (Power Unit)	$4,274.97	$3,856.64
Variable Costs (Well & Pump)	208.14	195.17
Total Variable Costs	$4,483.11	$4,051.81
Acre Inches Applied	8,000	7,200
Variable Cost/Acre Inch	.560	.563
Variable Costs/Acre	22.42	20.26
Fixed Costs		
Interest on Investment	741.70	741.70
Other Fixed Costs	1,580.50	1,480.10
Total Fixed Costs	$2,322.20	$2,221.80
Fixed Cost/Acre Inch	.290	.309
Fixed Cost/Acre	11.61	11.11
Total Costs	$6,805.31	$6,273.61
Total Costs/Acre Inch	.851	.871
Total Costs/Acre	34.03	31.37

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 11. Summary of Estimated Irrigation Costs for a Surface Water Source with an Electric Power Unit, Northeast Louisiana, 1997.

Item	Planting Method	
	Drill Planted	Water Planted
Acres	200	200
Acre Inches of Irrigation Water Applied	8,000	7,200
Variable Costs		
Fuel at $0.09 per kwh	3,913.30	3,521.97
Oil	5.56	5.56
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)	$4,233.05	$3,837.43
Variable Costs (Well & Pump)	197.67	184.70
Total Variable Costs	$4,430.72	$4,022.13
Acre Inches Applied	8,000	7,200
Variable Cost/Acre Inch	.554	.559
Variable Costs/Acre	22.15	20.11
Fixed Costs		
Interest on Investment	523.24	523.24
Other Fixed Costs	1,016.12	972.16
Total Fixed Costs	$1,539.36	$1,495.40
Fixed Cost/Acre Inch	.192	.208
Fixed Cost/Acre	7.70	7.48
Total Costs	$5,970.08	$5,517.53
Total Costs/Acre Inch	.746	.766
Total Costs/Acre	29.85	27.59

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 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, 1997.

Item	Costs
Acres	200
Acre Inches of Irrigation Water Applied	7,600
Variable Costs	
Fuel at $0.85 per gal	7,577.58
Oil	258.54
Oil Filters	124.00
Oil Change Labor	93.00
Gearhead Lubrication (labor included)	21.40
Repair and Maintenance (.5% of engine price)	54.21
Daily Inspection	95.00
Total Variable Cost (Power Unit)	$8,223.73
Variable Costs (Well & Pump)	235.55
Total Variable Costs	$8,459.28
Acre Inches Applied	7,600
Variable Cost/Acre Inch	1.113
Variable Costs/Acre	42.30
Fixed Costs	
Interest on Investment	1,294.44
Other Fixed Costs	2,560.69
Total Fixed Costs	$3,855.13
Fixed Cost/Acre Inch	.507
Fixed Cost/Acre	19.28
Total Costs	$12,314.41
Total Costs/Acre Inch	1.620
Total Costs/Acre	61.57

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. Values used in the enterprise budgets are calculated based on variable costs of $1.11 per acre inch, excluding irrigation labor, and fixed costs of $19.28 per acre.

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, 1997.

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
Large 4 wheel drive	300	16	625	107,000	96	14.40	22.51	15.66
Pickup Truck	1\2 ton	5	800	15,000	45	2.50	4.69	4.04
Small 4 wheel drive	225	16	625	90,000	96	10.80	17.82	13.17
Sml 4 whl drive (LS)	225	16	625	90,000	96	10.80	17.82	13.17
Tractor 106-130	118	16	625	65,000	104	6.80	12.54	9.51
Tractor 131-155	143	16	625	70,000	99	8.10	13.82	10.24
Tractor 131-155 (GC)	143	16	625	70,000	99	6.00	12.03	10.24
Tractor 15-30	23	16	625	11,300	170	1.60	3.84	1.65
Tractor 156-180	168	16	625	81,000	95	9.70	15.94	11.85
Tractor 31-55	43	16	625	17,500	159	2.70	5.08	2.56
Tractor 56-80	68	16	625	28,500	138	4.20	7.50	4.17
Tractor 80-105	93	16	625	48,000	108	5.40	9.77	7.02
Tractor 80-105 (GC)	93	16	625	48,000	108	4.00	8.58	7.02

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, 1997.

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	0.25	10	250	130,000	75	7.10	45.04	11.26	65.10	16.28
Combine double crop	20 Ft	0.25	5	500	125,000	75	7.10	43.54	10.88	53.80	13.45
Combine large	20 Ft	0.21	10	250	155,000	75	8.60	53.81	11.30	77.62	16.30
Combine medium	20 Ft	0.25	10	250	125,000	75	7.10	43.54	10.88	62.60	15.65
Combine Rice	20 Ft	0.38	10	250	125,000	75	7.10	43.54	16.54	62.60	23.79
Combine Rice second	20 Ft	0.20	10	250	125,000	75	7.10	43.54	8.71	62.60	12.52
Combine Small	20 Ft	0.31	10	250	105,000	75	5.20	35.92	11.14	52.58	16.30
Cotton Picker	2 Row	0.58	10	250	105,000	85	7.70	42.25	24.50	52.58	30.50
Cotton Picker	4 Row	0.26	10	250	170,000	85	9.60	65.96	17.15	85.14	22.14
Cotton Picker	5-row	0.20	10	250	184,000	85	9.60	70.72	14.14	92.15	18.43
Cotton Picker second	2 Row	0.40	10	250	105,000	85	7.70	42.25	16.90	52.58	21.03
Cotton Picker second	4 Row	0.20	10	250	170,000	85	9.60	65.96	13.19	85.14	17.03
Crawfish combine		1.00	10	400	6,500	55	3.50	3.87	3.87	2.03	2.03
Hi-cycle sprayer	60 Ft	0.03	12	250	55,000	60	2.90	13.47	0.44	24.24	0.80
Pickup truck	1/2 ton	1.00	5	800	15,000	45	2.50	4.69	4.69	4.04	4.04
Truck	1 ton	1.00	10	400	22,000	50	3.00	6.35	6.35	6.89	6.89
Truck	2 ton	1.00	10	400	30,000	50	3.70	8.19	8.19	9.39	9.39
Truck	5 ton	1.00	10	400	37,000	50	5.00	10.63	10.63	11.58	11.58

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, 1997.

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		1.00	10	100	5,000	88	4.40	4.40	6.26	6.26
Baler convention	20 ft	0.14	10	150	11,500	92	7.05	0.99	9.60	1.34
Baler Round	Large	0.20	10	150	19,000	94	11.91	2.38	15.86	3.17
Boll buggy	6 bale	1.00	12	200	18,000	80	6.00	6.00	9.92	9.92
Boom sprayer	30 ft	0.06	8	150	2,500	110	2.29	0.14	2.46	0.15
Chisel plow	13.3 ft	0.14	10	200	4,700	88	2.07	0.29	2.94	0.41
Chisel plow	20 ft	0.09	10	200	6,000	88	2.64	0.24	3.76	0.34
Conditioner	13.3 ft	0.15	6	200	4,500	88	3.30	0.49	4.17	0.63
Conditioner	20 ft	0.09	6	200	6,500	88	4.77	0.43	6.02	0.54
Conditioner	26.6 Ft	0.07	6	200	7,500	88	5.50	0.39	6.95	0.49
Cult + Post(2x1)skip	26.6 ft	0.08	10	200	9,000	88	3.96	0.32	5.63	0.45
Cultimulcher	12 Ft	0.16	15	120	5,400	88	2.64	0.42	4.28	0.69
Cultivate + post	13.3 ft	0.16	10	200	5,800	88	2.55	0.41	3.63	0.58
Cultivate + Post	20 ft	0.11	10	200	8,000	88	3.52	0.39	5.01	0.55
Cultivate + Post	26.6 ft	0.08	10	200	10,500	88	4.62	0.37	6.57	0.53
Cultivator	13.3 ft	0.14	10	200	4,000	88	1.76	0.25	2.50	0.35
Cultivator	20 ft	0.10	10	200	6,000	88	2.64	0.26	3.76	0.38
Cultivator	26.6 ft	0.08	10	200	7,600	88	3.34	0.27	4.76	0.38
Cultivator	6-Row30"	0.14	10	200	5,000	88	2.20	0.31	3.13	0.44
Cultivator (2x1)skip	26.6 ft	0.08	10	200	6,800	88	2.99	0.24	4.26	0.34
Disk	13.3 ft	0.15	10	200	6,500	88	2.86	0.43	4.07	0.61
Disk	20 ft	0.10	10	200	12,500	88	5.50	0.55	7.83	0.78
Disk	26.6 ft	0.07	10	200	16,000	88	7.04	0.49	10.02	0.70
Disk	6 ft	0.41	10	200	1,500	88	0.66	0.27	0.94	0.38
Disk (water)	20 ft	0.35	10	200	12,500	88	5.50	1.93	7.83	2.74
Disk + pre	13.3 ft	0.16	10	200	8,100	88	3.56	0.57	5.07	0.81
Disk + pre	20 ft	0.10	10	200	15,000	88	6.60	0.66	9.39	0.94
Disk + pre	26.6 ft	0.07	10	200	18,500	88	8.14	0.57	11.58	0.81

Appendix Table 15. (cont'd) Implements: estimated performance rate, useful life, annual use, purchase price, repair cost, and direct and fixed cost per hour and per acre, Louisiana, 1997.

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	--DIRECT COST--		--FIXED COST--	
Ditcher rotary	1.5 ft	0.05	10	100	2,250	88	1.98	0.10	2.82	0.14
Ditcher side	1.5 ft	0.05	10	200	2,100	88	0.92	0.05	1.31	0.07
Doall (water)	20 ft	0.35	15	100	2,500	88	1.47	0.51	2.38	0.83
Dozer blade	10ft	0.85	20	100	3,400	66	1.12	0.95	2.73	2.32
Drag	14 ft	0.13	8	200	700	88	0.39	0.05	0.52	0.07
Fertilizer app anh	18 ft	0.17	8	150	3,000	93	2.33	0.40	2.95	0.50
Fertilizer app liq	18 ft	0.13	10	130	5,000	110	4.23	0.55	4.82	0.63
Fertilizer buggy	30 ft	0.06	10	150	5,500	88	3.23	0.19	4.59	0.28
Fertilizer buggy (R)	30 ft	0.06	10	150	1	0	0.00	0.00	0.00	0.00
Fertilizer app (R)	20 ft	0.09	10	200	1	0	0.00	0.00	0.00	0.00
Field cult + pre	20 ft	0.10	10	200	9,000	88	3.96	0.40	5.63	0.56
Field cult + pre	32 ft	0.06	10	200	14,000	88	6.16	0.37	8.76	0.53
Field cultivator	20 ft	0.09	10	200	7,000	88	3.08	0.28	4.38	0.39
Field cultivator	32 ft	0.05	10	200	12,000	88	5.28	0.26	7.51	0.38
Frontend loader	3 cuyd	1.00	15	100	5,500	88	3.23	3.23	5.24	5.24
Grain cart	350 bu	1.00	15	175	7,500	71	2.03	2.03	4.08	4.08
Grain drill	12 ft	0.21	8	200	7,000	77	3.37	0.71	5.17	1.09
Grain drill	20 ft	0.10	8	200	11,000	77	5.29	0.53	8.12	0.81
Harrow	6 Ft	0.41	10	300	460	88	0.13	0.06	0.19	0.08
Hay fork	2	1.00	10	300	650	88	0.19	0.19	0.27	0.27
Hay rake	10 Ft	0.20	10	150	3,700	110	2.71	0.54	3.09	0.62
Hay rake	15 ft	0.13	10	150	4,200	110	3.08	0.40	3.51	0.46
Hay tedder	10 ft	0.20	10	150	3,000	110	2.20	0.44	2.50	0.50
Hipper	13.3 ft	0.15	10	200	3,500	88	1.54	0.23	2.19	0.33
Hipper	20 ft	0.09	10	200	5,700	88	2.51	0.23	3.57	0.32
Hipper	26.6 ft	0.07	10	200	7,500	88	3.30	0.23	4.70	0.33
Hipper + Fert	20 ft	0.11	10	200	7,200	88	3.17	0.35	4.51	0.50
Honey wagon	3000 gal	1.00	10	200	6,380	88	2.81	2.81	3.99	3.99
Land level	13 ft	0.19	15	200	7,500	66	1.65	0.31	3.57	0.68
Laser Equipment		1.56	10	350	16,000	20	0.91	1.43	5.72	8.93
Laser Scraper	9 cu. yd	1.56	15	350	9,000	66	1.13	1.77	2.45	3.82
Levee plow	8 Ft	0.05	10	150	4,000	50	1.33	0.07	3.34	0.17
Manure spreader	110 yd	1.00	15	100	6,000	88	3.52	3.52	5.71	5.71
Middle buster	13.3 ft	0.15	15	100	1,800	70	0.84	0.13	1.71	0.26
Module Builder	32 Ft	1.00	12	125	20,000	80	10.67	10.67	17.63	17.63
Molboard 4 bottom	6 Ft	0.33	15	200	1,700	108	0.61	0.20	0.81	0.27
Mower conditioner	9 Ft	0.19	10	150	10,000	198	13.20	2.51	8.35	1.59
Mower drum	6.7 Ft	0.25	10	150	4,000	44	1.17	0.29	3.34	0.83
Mower sickle	9 Ft	0.34	10	150	3,750	176	4.40	1.50	3.13	1.06
Mtd. Boom Sprayer	15 ft.	0.15	8	150	1,600	110	1.47	0.21	1.58	0.23
No till drill (15)	15 ft	0.15	8	200	17,000	71	7.54	1.09	12.55	1.82
No till planter	20 Ft	0.10	8	200	18,300	117	13.38	1.34	13.51	1.35
Nurse tank	1000 gal	0.13	10	130	2,700	22	0.46	0.06	2.60	0.34
Plant + pre	13.3 ft	0.16	8	200	10,000	77	4.81	0.77	7.39	1.18
Plant + pre	20 Ft	0.11	8	200	15,500	77	7.46	0.82	11.45	1.26
Plant + pre	26.6 Ft	0.08	8	200	19,500	77	9.38	0.75	14.40	1.15
Plant + Pre (2x1)	26.6 ft	0.08	8	200	16,700	77	8.04	0.64	12.33	0.99
Planter	13.3 ft	0.14	8	200	8,250	77	3.97	0.56	6.09	0.85
Planter	20 Ft	0.09	8	200	13,500	77	6.50	0.58	9.97	0.90
Planter	26.6 ft	0.07	8	200	17,000	77	8.18	0.57	12.55	0.88
Planter	6row 30"	0.14	8	200	12,500	77	6.02	0.84	9.23	1.29
Ridge tiller	26.6 ft	1.00	12	200	18,000	80	6.00	6.00	9.92	9.92
Ripper- hipper	13.3 ft	0.16	10	200	6,000	88	2.64	0.42	3.76	0.60
Rotary hoe	18 ft	0.08	20	75	4,500	110	3.30	0.26	4.81	0.38
Rotary mower	13.3 ft	0.13	10	150	6,500	44	1.91	0.25	5.43	0.71
Rotary mower	6.7 ft	0.15	10	150	2,500	44	0.73	0.11	2.09	0.31
Self unload wagon	4 ton	0.10	10	100	6,000	110	6.60	0.66	7.51	0.75
Setaside Maint.	disc	0.10	10	200	12,500	88	5.50	0.55	7.83	0.78
Silage Blower	large	0.06	10	100	4,800	71	3.41	0.20	6.01	0.36
Silage Blower	small	0.08	10	100	3,500	71	2.49	0.20	4.38	0.35
Silage harvester	1 row	0.08	10	100	10,000	71	7.10	0.57	12.52	1.00
Silage Harvester	2 row	0.06	10	100	18,000	71	12.78	0.77	22.54	1.35
Silage Wagon	6 tons	0.08	10	100	5,200	71	3.69	0.30	6.51	0.52
Silage Wagon	8 tons	0.06	10	100	6,250	71	4.44	0.27	7.83	0.47
Sodseeder	12 ft	0.11	8	200	6,000	77	2.89	0.32	4.43	0.49
Spike harrow	18 ft	0.08	10	200	1,500	88	0.66	0.05	0.94	0.08
Spike harrow (dbl)	18 ft	0.08	10	200	1,500	88	0.66	0.05	0.94	0.08
Sprayer cattle	6 ft	1.00	15	70	700	71	0.47	0.47	0.95	0.95
Sprigger	60 bu	0.40	10	100	8,000	77	6.16	2.46	10.02	4.01
Springtooth harrow	20 ft	0.11	13	150	2,625	132	1.78	0.20	1.83	0.20
Stalk cutter	13.3 ft	0.13	10	150	6,500	44	1.91	0.25	5.43	0.71
Stalk cutter	6.7 ft	0.25	10	150	2,500	44	0.73	0.18	2.09	0.52
Subsoiler	3 shank	0.40	15	100	1,700	100	1.13	0.45	1.62	0.65
Tractor blade	6 ft	1.00	15	100	400	137	0.37	0.37	0.38	0.38
Tractor Spreader	20 ft	0.11	10	150	700	88	0.41	0.05	0.58	0.06
Trailer cotton	10 bale	1.00	15	200	5,000	88	1.47	1.47	2.38	2.38
Trailer gooseneck	6 ft	1.00	15	100	5,000	88	2.93	2.93	4.76	4.76
Trailer hay	6 Ft	0.50	15	100	2,500	88	1.47	0.73	2.38	1.19
Trailer utility	10 Ft	1.00	15	200	3,000	35	0.35	0.35	1.43	1.43
V- Ripper	7 shank	0.17	15	100	3,500	110	2.57	0.44	3.33	0.57
V-Ripper	9 shank	0.13	15	100	4,800	110	3.52	0.46	4.57	0.59
Water level	16 Ft	0.22	15	100	2,500	66	1.10	0.24	2.38	0.52

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, 1997.

ITEM NAME	UNIT	REPAIR COST	FUEL CONS RATE	DIRECT COST	----FIXED COST----	
		$/U of M	/U of M	$/U of M	$/U of M	$/acre
Irg sys 29 sec wlord	acin	0.000	2.230	1.896	0.293	
Irr sys 16 WLWP	acin	0.000	0.340	1.445		31.60
Irr sys 11 WLCTDP	acin	0.000	2.230	1.896		29.99
Irr sys 11 WLCTWP	acin	0.000	2.230	1.896		30.23
Irr sys 11 WLDP	acin	0.000	2.230	1.896		31.20
Irr sys 11 WLWP	acin	0.000	2.230	1.896		32.07
Irr sys 14 fld. DP	acin	0.090	0.340	1.535		30.75
Irr sys 14 fld. WP	acin	0.090	0.340	1.535		31.60
Irr sys 16 fld. WLDP	acin	0.000	0.340	1.445		30.75
Irr sys 18 fl DP	acin	0.090	31.400	2.916		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	0.120	0.920	0.902		17.54
Irr sys 22, fld, DP	acin	0.120	0.920	0.902		17.15
Irr sys 24 fld, WP	acin	0.070	0.140	0.665		17.07
Irr sys 24, fld, DP	acin	0.070	0.140	0.665		16.70
Irr sys 26 fl, WP	acin	0.080	11.490	1.114		13.93
Irr sys 26, fld., DP	acin	0.080	11.490	1.114		13.77
Irr sys 30, fld, DP	acin	0.070	9.380	0.914		11.92
Irr sys 30, fld, WP	acin	0.070	9.380	0.914		11.58
Irr sys 31 fld, WP	acin	0.070	5.430	0.559		7.48
Irr sys 31, fld, DP	acin	0.070	5.430	0.559		7.70
Irr sys 32 fld, WP	acin	0.090	0.550	0.558		11.11
Irr sys 32, fld, DP	acin	0.090	0.550	0.558		11.61
Irr sys 4, fld, DP	acin	0.090	0.670	0.660		15.84
Irr sys 4, fld, WP	acin	0.090	0.670	0.660		15.21
Irr sys 6, fld, WLDP	acin	0.000	0.670	0.570		15.84
Irr sys 6, WLWP	acin	0.000	0.670	0.570		15.21
Irr sys 9 fl CTDP	acin	0.150	2.230	2.046		29.99
Irr sys 9 fl CTWP	acin	0.150	2.230	2.046		30.23
Irr sys 9 fl DP	acin	0.150	2.230	2.046		31.20
Irr. Sys13,flood, WL	acin	0.000	1.170	0.994		19.28
Irrig sys 9 fl WP	acin	0.150	2.230	2.046		32.07
Irrig. sys. 1 pivot	acin	0.610	2.140	2.429		38.70
Irrig. sys. 10 flood	acin	0.150	0.000	0.150		
Irrig. sys. 12second	acin	0.150	2.230	2.046	0.293	
Irrig. sys. 15 flood	acin	0.090	0.000	0.090		
Irrig. sys. 2 Pipe	acin	0.590	1.410	1.789		27.69
Irrig. sys. 3 gun	acin	0.970	2.260	2.891		44.06
Irrig. sys. 5 flood	acin	0.090	0.000	0.090		
Irrig. sys. 7	acin	0.910	2.110	2.704		47.33
Irrig. sys.13 flood	acin	0.110	1.170	1.105		19.28
Irrig. sys.17 second	acin	0.090	0.340	1.535		
Irrig. sys.19 flood	acin	0.090	0.000	0.090		
Irrig. sys.21 second	acin	0.090	31.400	2.916		
Irrig. sys.23 second	acin	0.120	0.920	0.902		
irrig. sys.25 second	acin	0.070	0.140	0.665		
Irrig. sys.27 second	acin	0.080	11.490	1.114		
Irrig. sys.28 second	acin	0.150	0.000	0.150		
Irrig.sys. 8 pipe	acin	0.080	6.630	0.677		23.04
Pond & equipment	acre	4.840	0.000	4.840		105.84
shop bld.& equip.	acre	3.260	0.000	3.260	2.540	

Appendix Table 17. Estimated costs and returns per acre. Overhead Costs, Owner-operator, Louisiana 1997.

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	1.24	
Self-Propelled Eq.	hour	7.50	1.5000	11.25	
shop bld.& equip.	hour	7.50	0.5800	4.35	
DIESEL FUEL					
Tractors	gal	0.85	0.4050	0.34	
GASOLINE					
Self-Propelled Eq.	gal	1.20	3.7500	4.50	
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	
Tractors	acre	0.42	1.0000	0.42	
Self-Propelled Eq.	acre	2.53	1.0000	2.53	
shop bld.& equip.	acre	3.26	1.0000	3.26	
INTEREST ON OP. CAP.	acre	2.70	1.0000	2.70	
TOTAL DIRECT EXPENSES				55.19	
FIXED EXPENSES					
Implements	acre	0.31	1.0000	0.31	
Tractors	acre	0.38	1.0000	0.38	
Self-Propelled Eq.	acre	6.05	1.0000	6.05	
shop bld.& equip.	acre	2.54	1.0000	2.54	
TOTAL FIXED EXPENSES				9.29	
TOTAL SPECIFIED EXPENSES				64.48	

Appendix Table 18. Estimated costs and returns per acre. Overhead Costs, Tenant-operator, Louisiana 1997.

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	1.24	
Self-Propelled Eq.	hour	7.50	1.5000	11.25	
shop bld.& equip.	hour	7.50	0.5800	4.35	
DIESEL FUEL					
Tractors	gal	0.85	0.4050	0.34	
GASOLINE					
Self-Propelled Eq.	gal	1.20	3.7500	4.50	
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	
Tractors	acre	0.42	1.0000	0.42	
Self-Propelled Eq.	acre	2.53	1.0000	2.53	
shop bld.& equip.	acre	3.26	1.0000	3.26	
INTEREST ON OP. CAP.	acre	2.20	1.0000	2.20	
TOTAL DIRECT EXPENSES				44.17	
FIXED EXPENSES					
Implements	acre	0.31	1.0000	0.31	
Tractors	acre	0.38	1.0000	0.38	
Self-Propelled Eq.	acre	6.05	1.0000	6.05	
shop bld.& equip.	acre	2.54	1.0000	2.54	
TOTAL FIXED EXPENSES				9.29	
TOTAL SPECIFIED EXPENSES				53.46	