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**PROJECTED COSTS AND RETURNS FOR CRAWFISH  
AND CATFISH PRODUCTION  
IN LOUISIANA, 2003**

by

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# PROJECTED COSTS AND RETURNS FOR CRAWFISH AND CATFISH PRODUCTION IN LOUISIANA, 2003

by

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## INTRODUCTION

Aquaculture production enterprises, like other farm enterprises, require advanced planning to make production and marketing management decisions that are likely to result in profits. The purpose of this report is to provide production cost estimates for selected aquaculture enterprises to assist aquaculture producers in making production decisions and obtaining adequate financing. Aquaculture enterprises and their associated costs differ considerably among producers and resource situations. The projected costs presented here should not be interpreted as averages for producers in the industry. The purpose of the cost projections is to provide guidelines whereby producers and others with an interest in aquaculture production costs can make cost estimates appropriate to their unique situation that will facilitate sound management decisions.

Data used in development of the budgets is a combination of information obtained directly from producers, Louisiana Cooperative Extension Service Specialists and Louisiana Agricultural Experiment Station Scientists. Current machinery and other input price data were combined with production practice data using the Mississippi State Budget Generator developed at . Fixed costs were estimated based on typical rates of use and sizes of operations. Production budget estimates are presented on a 'per acre' basis to facilitate using the estimates for different size operations. Overhead costs associated with operation of the farm business have been allocated as a residual claimant on a per acre basis in the enterprise budgets, but have not been included in the computation of breakeven selling prices.

## CRAWFISH BUDGETS

Crawfish budgets are presented for three production-marketing situations. They are based primarily on a survey of 39 commercial crawfish producers with supplemental information provided by researchers and Cooperative Extension Service personnel. The personal interview survey collected information on production, harvesting, and marketing practices.

Budgets are presented for three owner-operator situations without aeration that typify producers included in the survey: 1) Northeast Louisiana single crop ponds (Table 5), 2) Southwest Louisiana single crop ponds (Table 6), and 3) Southwest Louisiana rice-crawfish double crop (Table 7). Fixed costs for non-aerated systems are based on a 120-acre production unit consisting of six 20-acre ponds configured in two 60-acre units.

Harvesting is assumed to be performed by one person using a power boat with 20 traps per acre. In Southwest Louisiana, harvesting is assumed to occur every other day during December through February and daily during March through May. In Northeast Louisiana, harvesting is assumed to occur daily from March 1 to May 15 to accommodate retail marketing.

Appendix table 1 presents a summary of projected costs based on reduced fishing days for the three situations discussed. This table provides the direct, fixed, and total costs for the base

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situation and for 10%, 20%, and 30% reductions in fishing days. Though lower costs for the reduced fishing days do not result in a proportional percentage drop in costs, studies have shown that, with the use of the pyramid traps, 30% fewer fishing days does not reduce the yield significantly.

Seasonal yield distributions reflect those reported by surveyed producers. Total season yields are not absolute sample averages, but reflect typical yields reported by respondents. No crawfish returns are included since there are no publicly published sources of crawfish prices. Marketing costs included in the budgets assume that the product is sold to processors and wholesalers in Southwest Louisiana and is sold retail in Northeast Louisiana.

## CATFISH BUDGETS

Catfish production cost projections are presented for four situations to provide comparisons for tenure and fuel source. The four situations presented include: 1) owner-operator, electric power (Table 8), 2) owner-operator, diesel power (Table 9), 3) tenant-operator, electric power (Table 10), and 4) tenant-operator, diesel power (Table 11). Fixed costs are based on 10 acre pond sizes on a 60-acre production unit for all situations, (six 10-acre ponds). Budget information is presented on a per water-acre basis to facilitate comparisons among pond and production unit sizes. Overhead costs in the budgets are based on 1.2 acres of land associated with each water-acre of pond area.

Production practices are based on information obtained from discussions with producers, extension specialists and researchers. Custom harvesting and custom stocking are assumed in all situations. Monthly feed requirements are based on a series of simulations using the GROWCAT simulation model, accounting for temperature, mortality and fish growth rates. Budgets were then prepared to show the average annual costs and returns per water-acre.

## SUMMARY

Table 1 presents a summary comparison of projected costs and yields per acre for the three crawfish production situations. Breakeven selling prices required to recover costs are presented in Table 2 for five alternative yield levels for each crawfish situation. Costs and returns for the four catfish production situations are summarized and compared in Table 3. Breakeven selling prices required to recover direct cash expenditures and total specified production costs are presented in Table 4 for each of the four production situations and four alternative yield levels.

Tables with an "A" designation provide estimated cost budgets, whereas tables with a "B" designation show costs for detailed operations.

Table 1. Summary of Projected Costs and Returns per Acre for Crawfish and Crawfish-Rice Production in Louisiana, 2003.

Crop Description	Yield	Direct	Fixed	Total
	Per Acre	Expenses	Expenses	Expenses
	Pounds	----Dollars per Acre----		
Crawfish Enterprises:				
Northeast Louisiana				
Non-aerated, Owner b	600.00	227.92	130.62	358.54
Southwest Louisiana				
Non-aerated, Owner b	1200.00	358.78	142.82	501.60
Crawfish-Rice, Owner a b	900+4200	602.92	133.97	736.89

a Income for rice was calculated by multiplying the market price of \$6.50 by actual yield.

b Land costs are not included.

Table 2. Breakeven Selling Prices for Crawfish for Selected Yield Levels, Louisiana, 2003.

	Total	Total	Base	Yield Level					
	Costs	Variable	Yield	-20	-10	Base	10	20	
	a	Costs	Level	-----Dollars/Lb.-----					
	---Dollar/Acre---			lb.					
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS									
Crawfish Enterprises:									
Northeast Louisiana									
Non-aerated, Owner	358.54		600	.75	.66	.60	.54	.50	
Southwest Louisiana									
Non-aerated, Owner	501.60		1200	.52	.46	.42	.38	.35	
Crawfish-Rice, Owner b	326.54		900	.45	.40	.36	.33	.30	
PRICES REQUIRED TO RECOVER VARIABLE COSTS									
Crawfish Enterprises:									
Northeast Louisiana									
Non-aerated, Owner		227.92	600	.47	.42	.38	.35	.32	
Southwest Louisiana									
Non-aerated, Owner		358.78	1200	.37	.33	.30	.27	.25	
Crawfish-Rice, Owner b		276.28	900	.38	.34	.31	.28	.26	

a Land costs are not included.

b Breakeven Selling Prices for Crawfish double cropped with rice represents the net cost of producing crawfish in the double crop situation compared to producing rice alone.

Table 3. A Summary of Projected Costs and Returns per Acre for Catfish Production in Louisiana, 2003.

Crop Description	Yield Per Acre	Total Income	Direct Expenses	Returns Over			Returns Over Total Expenses
				Direct Expenses	Fixed Expenses	Total Expenses	
		Cwt.	Dollars per Acre				
<b>Catfish Enterprises:</b>							
Six 10 acre ponds, Elec Pwr, Owner a	52.80	3168.00	2549.08	618.92	372.44	2921.52	246.48
Six 10 acre ponds, Diesel Pwr, Owner a	52.80	3168.00	2547.69	620.31	392.71	2940.40	227.60
Six 10 acre ponds, Elec Pwr, Tenant b	52.80	3168.00	2820.73	347.27	132.67	2953.40	214.60
Six 10 acre ponds, Diesel Pwr, Tenant b	52.80	3168.00	2814.88	353.11	132.67	2947.56	220.43

a Land costs are not included for owner-operator.

b Rental arrangements consist of a yearly fee of \$250 per acre. This arrangement specifies that the landlord provides most fixed equipment items.

Table 4. Breakeven Selling Prices for Catfish for Selected Yield Levels, Louisiana, 2003.

	Total Costs	Total Variable Costs	Base Yield Level	Yield Level				
				-20	-10	Base	10	20
		---Dollar/Acre---	cwt.	----- Dollars/Cwt.-----				

PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS

Catfish Enterprises:

Six 10 acre ponds, Elec Pwr, Owner a	2921.52	52.8	69.16	61.48	55.33	50.30	46.11
Six 10 acre ponds, Diesel Pwr, Owner a	2940.40	52.8	69.61	61.88	55.69	50.63	46.41
Six 10 acre ponds, Elec Pwr, Tenant b	2953.40	52.8	69.92	62.15	55.94	50.85	46.61
Six 10 acre ponds, Diesel Pwr, Tenant	2947.56	52.8	69.78	62.02	55.82	50.75	46.52

PRICES REQUIRED TO RECOVER VARIABLE COSTS

Six 10 acre ponds, Elec Pwr, Owner a	2549.08	52.8	60.35	53.64	48.28	43.89	40.23
Six 10 acre ponds, Diesel Pwr, Owner a	2547.69	52.8	60.31	53.61	48.25	43.87	40.21
Six 10 acre ponds, Elec Pwr, Tenant b	2820.73	52.8	66.78	59.36	53.42	48.57	44.52
Six 10 acre ponds, Diesel Pwr, Tenant b	2814.88	52.8	66.64	59.23	53.31	48.46	44.43

a Land costs are not included for owner-operator.

b Rental arrangements consist of a yearly fee of \$250 per acre. This arrangement specifies that the landlord provides most fixed equipment items.

Table 5.A Estimated Costs and Returns per Acre, Single Crop Crawfish, Owner-Operators, North Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>YIELD</b>					
Crawfish (March)	lbs		60.0000		_____
Crawfish (April)	lbs		210.0000		_____
Crawfish (May)	lbs		240.0000		_____
Crawfish (June)	lbs		90.0000		_____
<b>DIRECT EXPENSES</b>					
<b>BAIT</b>					
Manuf. crawfish bait	lbs	0.16	330.0000	52.80	_____
<b>FERTILIZER</b>					
Nitrogen	lbs	0.22	51.0000	11.22	_____
Phosphate	lbs	0.19	51.0000	9.69	_____
Potash	lbs	0.15	51.0000	7.65	_____
<b>HIRED LABOR</b>					
Other labor	hour	7.50	1.5000	11.25	_____
<b>OTHER</b>					
Hip boots	pair	74.95	0.0083	0.62	_____
Sacks	each	0.40	15.0260	6.01	_____
<b>SEED</b>					
Rice seed	lbs	0.16	100.0000	16.00	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	0.6000	4.50	_____
Self-Propelled Eq.	hour	7.50	7.2600	54.45	_____
<b>IRRIGATION LABOR</b>					
Crawf irrig north LA	hour	7.50	0.2400	1.80	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	2.9053	3.19	_____
Crawf irrig north LA	gal	1.10	16.0320	17.63	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	1.9800	2.59	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements		2.69	1.0000	2.69	_____
Tractors		1.62	1.0000	1.62	_____
Self-Propelled Eq.		1.56	1.0000	1.56	_____
Crawf irrig north LA	acin	0.10	24.0000	2.42	_____
Crawf pond&eq north	acre	10.34	1.0000	10.34	_____
INTEREST ON OP. CAP.		9.85	1.0000	9.85	_____
<b>TOTAL DIRECT EXPENSES</b>				227.92	_____
<b>FIXED EXPENSES</b>					
Implements		4.30	1.0000	4.30	_____
Tractors		5.17	1.0000	5.17	_____
Self-Propelled Eq.		5.11	1.0000	5.11	_____
Crawf irrig north LA		13.98	1.0000	13.98	_____
Crawf pond&eq north		102.05	1.0000	102.05	_____
<b>TOTAL FIXED EXPENSES</b>				130.62	_____
<b>TOTAL SPECIFIED EXPENSES</b>				358.55	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead (owner)	acre	74.52	1.0000	74.52	_____
Land ( oppor. cost )	acre	45.00	1.0000	45.00	_____

Table 6.A Estimated Costs and Returns per Acre, Single Crop Crawfish, Owner-Operators, Southwest Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>YIELD</b>					
Crawfish (December)	lbs		60.0000		_____
Crawfish (January)	lbs		120.0000		_____
Crawfish (February)	lbs		180.0000		_____
Crawfish (March)	lbs		240.0000		_____
Crawfish (April)	lbs		360.0000		_____
Crawfish (May)	lbs		240.0000		_____
<b>DIRECT EXPENSES</b>					
<b>CUSTOM</b>					
Airplane seed	cwt	4.65	1.4000	6.51	_____
Airplane fert	cwt	4.78	0.7500	3.58	_____
<b>BAIT</b>					
Crawfish bait (fish)	lbs	0.29	225.0000	65.25	_____
Manuf. crawfish bait	lbs	0.16	245.0000	39.20	_____
<b>FERTILIZER</b>					
Urea (45%)	lbs	0.09	75.0000	6.75	_____
<b>HIRED LABOR</b>					
Other labor	hour	7.50	1.8500	13.87	_____
<b>OTHER</b>					
Hip boots	pair	74.95	0.0083	0.62	_____
Sacks	each	0.40	29.1220	11.64	_____
<b>SEED</b>					
Rice seed	lbs	0.16	140.0000	22.40	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	0.4240	3.18	_____
Self-Propelled Eq.	hour	7.50	8.1580	61.18	_____
<b>IRRIGATION LABOR</b>					
Crawf irrig single	hour	7.50	0.3960	2.97	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	1.8819	2.07	_____
Crawf irrig single	gal	1.10	73.4910	80.84	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	3.1225	4.09	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements		1.67	1.0000	1.67	_____
Tractors		1.03	1.0000	1.03	_____
Self-Propelled Eq.		2.44	1.0000	2.44	_____
Crawf irrig single	acin	0.19	33.0000	6.27	_____
Crawf pond&eq single	acre	6.62	1.0000	6.62	_____
INTEREST ON OP. CAP.		16.56	1.0000	16.56	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				358.78	_____
<b>FIXED EXPENSES</b>					
Implements		2.69	1.0000	2.69	_____
Tractors		3.30	1.0000	3.30	_____
Self-Propelled Eq.		7.37	1.0000	7.37	_____
Crawf irrig single		34.42	1.0000	34.42	_____
Crawf pond&eq single		95.03	1.0000	95.03	_____
				-----	
<b>TOTAL FIXED EXPENSES</b>				142.82	_____
				-----	
<b>TOTAL SPECIFIED EXPENSES</b>				501.60	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead (owner)	acre	74.52	1.0000	74.52	_____
Land ( oppor. cost )	acre	45.00	1.0000	45.00	_____

Table 7.A Estimated Costs and Returns per Acre, Rice-Crawfish  
 Double Crop, Owner-Operators, Southwest Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Rice	cwt	6.50	42.0000	273.00	_____
Rice Checkoff	cwt	0.08	-42.0000	-3.36	_____
Crawfish (December)	lbs		65.0000		_____
Crawfish (January)	lbs		105.0000		_____
Crawfish (February)	lbs		200.0000		_____
Crawfish (March)	lbs		240.0000		_____
Crawfish (April)	lbs		290.0000		_____
				-----	
TOTAL INCOME				269.64	_____
<b>DIRECT EXPENSES</b>					
<b>CUSTOM</b>					
Airplane fert	cwt	4.78	4.4000	21.03	_____
Global pos. system	acre	0.45	5.0000	2.25	_____
Airplane seed	cwt	4.65	1.4000	6.51	_____
Airplane stam	acre	5.67	2.0000	11.34	_____
Drying rice	cwt	0.90	47.1900	42.47	_____
<b>BAIT</b>					
Crawfish bait (fish)	lbs	0.29	168.7500	48.93	_____
Manuf. crawfish bait	lbs	0.16	93.7500	15.00	_____
<b>FERTILIZER</b>					
Nitrogen	lbs	0.22	120.0000	26.40	_____
Phosphate	lbs	0.19	51.0000	9.69	_____
Potash	lbs	0.15	51.0000	7.65	_____
<b>HERBICIDES</b>					
Stam M4	qt	5.15	6.0000	30.90	_____
<b>HIRED LABOR</b>					
Other labor	hour	7.50	2.8900	21.67	_____
<b>OTHER</b>					
Plastic	sqft	0.05	13.5000	0.67	_____
Seed crawfish	lbs	0.75	60.0000	45.00	_____
Hip boots	pair	74.95	0.0083	0.62	_____
Sacks	each	0.40	19.8700	7.94	_____
<b>SEED</b>					
Rice seed	lbs	0.16	140.0000	22.40	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	1.8551	13.91	_____
Self-Propelled Eq.	hour	7.50	6.4550	48.41	_____
<b>IRRIGATION LABOR</b>					
Crawf irrig double	hour	7.50	0.6120	4.59	_____
<b>OWNER LABOR</b>					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	8.8701	9.75	_____
Self-Propelled Eq.	gal	1.10	2.1300	2.34	_____
Crawf irrig double	gal	1.10	113.5770	124.93	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	4.2250	5.53	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre,	4.41	1.0000	4.41	_____
Tractors	acre,	5.54	1.0000	5.54	_____
Self-Propelled Eq.	acre,	13.47	1.0000	13.47	_____
Crawf irrig double	acin	0.19	51.0000	9.69	_____
Crawf pond&eq double	acre	0.77	1.0000	0.77	_____
INTEREST ON OP. CAP.	acre,	35.08	1.0000	35.08	_____
				-----	
TOTAL DIRECT EXPENSES				602.92	_____
<b>FIXED EXPENSES</b>					
Implements	acre,	8.13	1.0000	8.13	_____
Tractors	acre,	17.69	1.0000	17.69	_____
Self-Propelled Eq.	acre,	31.71	1.0000	31.71	_____
Crawf irrig double	acre,	34.42	1.0000	34.42	_____
Crawf pond&eq double	acre,	42.01	1.0000	42.01	_____
				-----	
TOTAL FIXED EXPENSES				133.97	_____
				-----	
TOTAL SPECIFIED EXPENSES				736.90	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead (owner)	acre	74.52	1.0000	74.52	_____
Land ( oppor. cost )	acre	45.00	1.0000	45.00	_____

Table 8.A Estimated Costs and Returns per Acre, Catfish,  
Owner-Operator, 10 Acre Ponds, Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Catfish	cwt	60.00	4.8000	288.00	_____
Catfish	cwt	60.00	10.0000	600.00	_____
Catfish	cwt	60.00	9.5000	570.00	_____
Catfish	cwt	60.00	6.9000	414.00	_____
Catfish	cwt	60.00	10.0000	600.00	_____
Catfish	cwt	60.00	11.6000	696.00	_____
				-----	
<b>TOTAL INCOME</b>				3168.00	_____
<b>DIRECT EXPENSES</b>					
<b>CUSTOM</b>					
Water consultant	acre	1.75	12.0000	21.00	_____
Harv & haul catfish	cwt	5.00	52.8000	264.00	_____
Custom restk catfish	thou	25.00	5.5000	137.50	_____
<b>FEED</b>					
Catfish feed	ton	230.00	4.7260	1086.98	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
<b>HERBICIDES</b>					
Spring chemicals	lbs	0.41	18.0000	7.38	_____
Fall chemicals	lbs	1.50	8.8200	13.23	_____
<b>HIRED LABOR</b>					
Other labor	hour	7.50	20.2000	151.50	_____
<b>OTHER</b>					
Propane	tank	11.00	0.3000	3.30	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	66.50	5.5000	365.75	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	1.1172	8.37	_____
Self-Propelled Eq.	hour	7.50	2.2267	16.70	_____
10Hp aerator-10	hour	7.50	7.4000	55.50	_____
Feeder truck	hour	7.50	1.0000	7.50	_____
<b>IRRIGATION LABOR</b>					
Catf irrig	hour	7.50	0.3330	2.49	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	23.7300	26.10	_____
<b>ELECTRICITY</b>					
10Hp aerator-10	kWh	0.09	85.1000	7.65	_____
Catf irrig	kWh	0.09	516.9825	46.52	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	5.6540	7.40	_____
Feeder truck	gal	1.31	6.0000	7.86	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre,	2.02	1.0000	2.02	_____
Tractors	acre,	13.65	1.0000	13.65	_____
Self-Propelled Eq.	acre,	8.20	1.0000	8.20	_____
10Hp aerator-10	hour	0.02	74.0000	1.67	_____
Feeder truck	ton	3.69	5.0000	18.46	_____
Catf pond&equip 6x10	acre	13.49	1.0000	13.49	_____
Catf irrig	acin	0.12	33.3000	4.17	_____
INTEREST ON OP. CAP.	acre,	107.49	1.0000	107.49	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				2549.08	_____
<b>RETURNS ABOVE DIRECT EXPENSES</b>				618.91	_____
<b>FIXED EXPENSES</b>					
Implements	acre,	10.96	1.0000	10.96	_____
Tractors	acre,	43.54	1.0000	43.54	_____
Self-Propelled Eq.	acre,	17.97	1.0000	17.97	_____
10Hp aerator-10	acre,	42.00	1.0000	42.00	_____
Feeder truck	acre,	47.47	1.0000	47.47	_____
Catf pond&equip 6x10	acre,	187.22	1.0000	187.22	_____
Catf irrig	acre,	23.26	1.0000	23.26	_____
				-----	
<b>TOTAL FIXED EXPENSES</b>				372.44	_____
<b>TOTAL SPECIFIED EXPENSES</b>				2921.53	_____
<b>RETURNS ABOVE TOTAL SPECIFIED EXPENSES</b>				246.46	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead-owner pond	acre	89.42	1.0000	89.42	_____
<b>RESIDUAL RETURNS</b>				157.04	_____

Table 9.A Estimated Costs and Returns per Acre, Catfish,  
Owner-Operator, 10 Acre Ponds with Generator,  
Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Catfish	cwt	60.00	4.8000	288.00	_____
Catfish	cwt	60.00	10.0000	600.00	_____
Catfish	cwt	60.00	9.5000	570.00	_____
Catfish	cwt	60.00	6.9000	414.00	_____
Catfish	cwt	60.00	10.0000	600.00	_____
Catfish	cwt	60.00	11.6000	696.00	_____
<b>TOTAL INCOME</b>				3168.00	_____
<b>DIRECT EXPENSES</b>					
<b>CUSTOM</b>					
Water consultant	acre	1.75	12.0000	21.00	_____
Harv & haul catfish	cwt	5.00	52.8000	264.00	_____
Custom restk catfish	thou	25.00	5.5000	137.50	_____
<b>FEED</b>					
Catfish feed	ton	230.00	4.7260	1086.98	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
<b>HERBICIDES</b>					
Spring chemicals	lbs	0.41	18.0000	7.38	_____
Fall chemicals	lbs	1.50	8.8200	13.23	_____
<b>HIRED LABOR</b>					
Other labor	hour	7.50	20.2000	151.50	_____
<b>OTHER</b>					
Propane	tank	11.00	0.3000	3.30	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	66.50	5.5000	365.75	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	1.1172	8.37	_____
Self-Propelled Eq.	hour	7.50	2.2267	16.70	_____
10Hp aerator-10(d)	hour	7.50	7.4000	55.50	_____
Feeder truck	hour	7.50	1.0000	7.50	_____
<b>IRRIGATION LABOR</b>					
Catf irrig (d)	hour	7.50	0.3330	2.49	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	23.7300	26.10	_____
10Hp aerator-10(d)	gal	1.10	8.1400	8.95	_____
Catf irrig (d)	gal	1.10	36.0384	39.64	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	5.6540	7.40	_____
Feeder truck	gal	1.31	6.0000	7.86	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre,	2.02	1.0000	2.02	_____
Tractors	acre,	13.65	1.0000	13.65	_____
Self-Propelled Eq.	acre,	8.20	1.0000	8.20	_____
10Hp aerator-10(d)	hour	0.02	74.0000	1.67	_____
Feeder truck	ton	3.69	5.0000	18.46	_____
Catf pond&equip 6x10	acre	13.49	1.0000	13.49	_____
Catf irrig (d)	acin	0.25	33.3000	8.43	_____
INTEREST ON OP. CAP.	acre,	107.43	1.0000	107.43	_____
<b>TOTAL DIRECT EXPENSES</b>				2547.69	_____
<b>RETURNS ABOVE DIRECT EXPENSES</b>				620.30	_____
<b>FIXED EXPENSES</b>					
Implements	acre,	10.96	1.0000	10.96	_____
Tractors	acre,	43.54	1.0000	43.54	_____
Self-Propelled Eq.	acre,	17.97	1.0000	17.97	_____
10Hp aerator-10(d)	acre,	42.00	1.0000	42.00	_____
Feeder truck	acre,	47.47	1.0000	47.47	_____
Catf pond&equip 6x10	acre,	187.22	1.0000	187.22	_____
Catf irrig (d)	acre,	43.53	1.0000	43.53	_____
<b>TOTAL FIXED EXPENSES</b>				392.71	_____
<b>TOTAL SPECIFIED EXPENSES</b>				2940.41	_____
<b>RETURNS ABOVE TOTAL SPECIFIED EXPENSES</b>				227.58	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead-owner pond	acre	89.42	1.0000	89.42	_____
<b>RESIDUAL RETURNS</b>				138.16	_____

Table 10.A Estimated Costs and Returns per Acre, Catfish,  
 Tenant-Operator, 10 Acre Ponds, Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Catfish	cwt	60.00	4.8000	288.00	_____
Catfish	cwt	60.00	10.0000	600.00	_____
Catfish	cwt	60.00	9.5000	570.00	_____
Catfish	cwt	60.00	6.9000	414.00	_____
Catfish	cwt	60.00	10.0000	600.00	_____
Catfish	cwt	60.00	11.6000	696.00	_____
				-----	
<b>TOTAL INCOME</b>				3168.00	_____
<b>DIRECT EXPENSES</b>					
<b>CUSTOM</b>					
Water consultant	acre	1.75	12.0000	21.00	_____
Harv & haul catfish	cwt	5.00	52.8000	264.00	_____
Custom restk catfish	thou	25.00	5.5000	137.50	_____
<b>FEED</b>					
Catfish feed	ton	230.00	4.7260	1086.98	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
<b>HERBICIDES</b>					
Spring chemicals	lbs	0.41	18.0000	7.38	_____
Fall chemicals	lbs	1.50	8.8200	13.23	_____
<b>HIRED LABOR</b>					
Other labor	hour	7.50	20.2000	151.50	_____
<b>OTHER</b>					
Rent (catf electric)	acre	250.00	1.0000	250.00	_____
Propane	tank	11.00	0.3000	3.30	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	66.50	5.5000	365.75	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	1.1172	8.37	_____
Self-Propelled Eq.	hour	7.50	2.2267	16.70	_____
Feeder truck	hour	7.50	1.0000	7.50	_____
10Hp aerator-10(r)	hour	7.50	7.4000	55.50	_____
<b>IRRIGATION LABOR</b>					
Catf irrig (r)	hour	7.50	0.3330	2.49	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	23.7300	26.10	_____
<b>ELECTRICITY</b>					
Catf irrig (r)	kWh	0.09	516.9825	46.52	_____
10Hp aerator-10(r)	kWh	0.09	85.1000	7.65	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	5.6540	7.40	_____
Feeder truck	gal	1.31	6.0000	7.86	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre,	2.02	1.0000	2.02	_____
Tractors	acre,	13.65	1.0000	13.65	_____
Self-Propelled Eq.	acre,	8.20	1.0000	8.20	_____
Catf irrig (r)	acin	0.10	33.3000	3.36	_____
Catf pond&eq 6x10(r)	acre	13.49	1.0000	13.49	_____
Feeder truck	ton	3.69	5.0000	18.46	_____
10Hp aerator-10(r)	HOURL	0.02	74.0000	1.67	_____
INTEREST ON OP. CAP.	acre,	129.96	1.0000	129.96	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				2820.73	_____
<b>RETURNS ABOVE DIRECT EXPENSES</b>				347.26	_____
<b>FIXED EXPENSES</b>					
Implements	acre,	10.96	1.0000	10.96	_____
Tractors	acre,	43.54	1.0000	43.54	_____
Self-Propelled Eq.	acre,	17.97	1.0000	17.97	_____
Catf pond&eq 6x10(r)	acre,	12.71	1.0000	12.71	_____
Feeder truck	acre,	47.47	1.0000	47.47	_____
				-----	
<b>TOTAL FIXED EXPENSES</b>				132.67	_____
				-----	
<b>TOTAL SPECIFIED EXPENSES</b>				2953.41	_____
<b>RETURNS ABOVE TOTAL SPECIFIED EXPENSES</b>				214.58	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead-tenant pond	acre	76.26	1.0000	76.26	_____
<b>RESIDUAL RETURNS</b>				138.32	_____

Table 11.A Estimated Costs and Returns per Acre, Catfish,  
 Tenant-Operator, 10 Acre Ponds with Generator,  
 Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Catfish	cwt	60.00	4.8000	288.00	_____
Catfish	cwt	60.00	10.0000	600.00	_____
Catfish	cwt	60.00	9.5000	570.00	_____
Catfish	cwt	60.00	6.9000	414.00	_____
Catfish	cwt	60.00	10.0000	600.00	_____
Catfish	cwt	60.00	11.6000	696.00	_____
<b>TOTAL INCOME</b>				3168.00	_____
<b>DIRECT EXPENSES</b>					
<b>CUSTOM</b>					
Water consultant	acre	1.75	12.0000	21.00	_____
Harv & haul catfish	cwt	5.00	52.8000	264.00	_____
Custom restk catfish	thou	25.00	5.5000	137.50	_____
<b>FEED</b>					
Catfish feed	ton	230.00	4.7260	1086.98	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
<b>HERBICIDES</b>					
Spring chemicals	lbs	0.41	18.0000	7.38	_____
Fall chemicals	lbs	1.50	8.8200	13.23	_____
<b>HIRED LABOR</b>					
Other labor	hour	7.50	20.2000	151.50	_____
<b>OTHER</b>					
Rent (catf diesel)	acre	250.00	1.0000	250.00	_____
Propane	tank	11.00	0.3000	3.30	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	66.50	5.5000	365.75	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	1.1172	8.37	_____
Self-Propelled Eq.	hour	7.50	2.2267	16.70	_____
Feeder truck	hour	7.50	1.0000	7.50	_____
10Hp aerator-10(d,r)	hour	7.50	7.4000	55.50	_____
<b>IRRIGATION LABOR</b>					
Catf irrig (d,r)	hour	7.50	0.3330	2.49	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	23.7300	26.10	_____
Catf irrig (d,r)	gal	1.10	36.0384	39.64	_____
10Hp aerator-10(d,r)	gal	1.10	8.1400	8.95	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	5.6540	7.40	_____
Feeder truck	gal	1.31	6.0000	7.86	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre,	2.02	1.0000	2.02	_____
Tractors	acre,	13.65	1.0000	13.65	_____
Self-Propelled Eq.	acre,	8.20	1.0000	8.20	_____
Catf pond&eq 6x10(r)	acre	13.49	1.0000	13.49	_____
Feeder truck	ton	3.69	5.0000	18.46	_____
Catf irrig (d,r)	acin	0.10	33.3000	3.36	_____
10Hp aerator-10(d,r)	HOURL	0.02	74.0000	1.67	_____
INTEREST ON OP. CAP.	acre,	129.69	1.0000	129.69	_____
<b>TOTAL DIRECT EXPENSES</b>				2814.88	_____
<b>RETURNS ABOVE DIRECT EXPENSES</b>				353.11	_____
<b>FIXED EXPENSES</b>					
Implements	acre,	10.96	1.0000	10.96	_____
Tractors	acre,	43.54	1.0000	43.54	_____
Self-Propelled Eq.	acre,	17.97	1.0000	17.97	_____
Catf pond&eq 6x10(r)	acre,	12.71	1.0000	12.71	_____
Feeder truck	acre,	47.47	1.0000	47.47	_____
<b>TOTAL FIXED EXPENSES</b>				132.67	_____
<b>TOTAL SPECIFIED EXPENSES</b>				2947.56	_____
<b>RETURNS ABOVE TOTAL SPECIFIED EXPENSES</b>				220.43	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead-tenant pond	acre	76.26	1.0000	76.26	_____
<b>RESIDUAL RETURNS</b>				144.17	_____

Table 5.B Estimated Resource Use and Costs for Field Operations, per Acre, Single Crop Crawfish, Owner-Operators, North Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars		dollars		dollars		dollars			
Crawf pond&eq north	acre			1.00	Jul			10.34	102.05			1.0000			112.39
Disk	20 ft	143	0.100	2.00	Jul	2.46	2.70	1.54	2.29	0.220	1.65				10.65
Fertilizer buggy	30 ft	93	0.060	1.00	Jul	0.47	0.52	0.22	0.34	0.066	0.49				2.06
Nitrogen	lbs											51.0000	0.22	11.22	11.22
Phosphate	lbs											51.0000	0.19	9.69	9.69
Potash	lbs											51.0000	0.15	7.65	7.65
Rotary mower-levees	6.7 ft	43	0.500	0.05	Jul	0.09	0.08	0.01	0.05	0.029	0.21				0.47
Grain drill	20 ft	143	0.100	1.00	Jul	1.23	1.35	0.79	1.26	0.110	0.82				5.47
Rice seed	lbs											100.0000	0.16	16.00	16.00
Rotary mower-levees	6.7 ft	43	0.500	0.05	Aug	0.09	0.08	0.01	0.05	0.029	0.21				0.47
Rotary mower-levees	6.7 ft	43	0.500	0.05	Sep	0.09	0.08	0.01	0.05	0.029	0.21				0.47
Crawf irrig north LA	acin			1.00	Oct			5.01	13.98	0.060	0.45	6.0000			19.44
Hip boots	pair											0.0083	74.95	0.62	0.62
Other labor	hour											0.5000	7.50	3.75	3.75
Rotary mower-levees	6.7 ft	43	0.500	0.05	Oct	0.09	0.08	0.01	0.05	0.029	0.21				0.47
Crawf irrig north LA	acin			1.00	Nov			5.01		0.060	0.45	6.0000			5.46
Other labor	hour											0.1000	7.50	0.75	0.75
Crawf irrig north LA	acin			1.00	Dec			1.67		0.020	0.15	2.0000			1.82
Other labor	hour											0.1000	7.50	0.75	0.75
Crawf irrig north LA	acin			1.00	Jan			0.83		0.010	0.07	1.0000			0.91
Other labor	hour											0.1000	7.50	0.75	0.75
Crawf irrig north LA	acin			1.00	Feb			2.50		0.030	0.22	3.0000			2.73
Other labor	hour											0.1000	7.50	0.75	0.75
Crawfish combine	12 hp		0.075	26.00	Mar			1.22	1.51	2.145	16.08				18.82
Manuf. crawf bait	lbs											97.5000	0.16	15.60	15.60
Sacks	each											1.5080	0.40	0.60	0.60
Crawf irrig north LA	acin			1.00	Mar			0.83		0.010	0.07	1.0000			0.91
Other labor	hour											0.1000	7.50	0.75	0.75
Crawfish combine	12 hp		0.075	24.00	Apr			1.13	1.39	1.980	14.85				17.37
Manuf. crawf bait	lbs											90.0000	0.16	14.40	14.40
Sacks	each											5.2560	0.40	2.10	2.10
Crawf irrig north LA	acin			1.00	Apr			0.83		0.010	0.07	1.0000			0.91
Other labor	hour											0.1000	7.50	0.75	0.75
Rotary mower-levees	6.7 ft	43	0.500	0.05	Apr	0.09	0.08	0.01	0.05	0.029	0.21				0.47
Crawfish combine	12 hp		0.075	26.00	May			1.22	1.51	2.145	16.08				18.82
Manuf. crawf bait	lbs											97.5000	0.16	15.60	15.60
Sacks	each											6.0060	0.40	2.40	2.40
Crawf irrig north LA	acin			1.00	May			1.67		0.020	0.15	2.0000			1.82
Other labor	hour											0.1000	7.50	0.75	0.75
Rotary mower-levees	6.7 ft	43	0.500	0.05	May	0.09	0.08	0.01	0.05	0.029	0.21				0.47
Crawfish combine	12 hp		0.075	12.00	Jun			0.56	0.69	0.990	7.42				8.68
Manuf. crawf bait	lbs											45.0000	0.16	7.20	7.20
Sacks	each											2.2560	0.40	0.90	0.90
Crawf irrig north LA	acin			1.00	Jun			1.67		0.020	0.15	2.0000			1.82
Other labor	hour											0.3000	7.50	2.25	2.25
Rotary mower-levees	6.7 ft	43	0.500	0.05	Jun	0.09	0.08	0.01	0.05	0.029	0.21				0.47
TOTALS							4.81	5.17	37.25	125.45	8.100	60.75		115.24	348.69
INTEREST ON OPERATING CAPITAL															9.85
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															358.55

Table 6.B Estimated Resource Use and Costs for Field Operations, per Acre, Single Crop Crawfish, Owner-Operators, Southwest Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						dollars		dollars		dollars		dollars				
Crawf pond&eq single	acre			1.00	Jul			6.62	95.03			1.0000			101.65	
Disk	20 ft	143	0.100	2.00	Jul	2.46	2.70	1.54	2.29	0.220	1.65				10.65	
Crawf irrig single	acin			1.00	Jul			3.95	34.42	0.018	0.13	1.5000			38.51	
Other labor	hour											0.2500	7.50	1.87	1.87	
Airplane seed	cwt			1.00	Jul							1.4000	4.65	6.51	6.51	
Rice seed	lbs											140.0000	0.16	22.40	22.40	
Rotary mower-levees	6.7 ft	43	0.500	0.05	Jul	0.09	0.08	0.01	0.05	0.029	0.21				0.47	
Airplane fert	cwt			1.00	Jul							0.7500	4.78	3.58	3.58	
Urea (45%)	lbs											75.0000	0.09	6.75	6.75	
Crawf irrig single	acin			1.00	Aug			3.95		0.018	0.13	1.5000			4.09	
Other labor	hour											0.1000	7.50	0.75	0.75	
Rotary mower-levees	6.7 ft	43	0.500	0.05	Aug	0.09	0.08	0.01	0.05	0.029	0.21				0.47	
Crawf irrig single	acin			1.00	Sep			3.95		0.018	0.13	1.5000			4.09	
Other labor	hour											0.1000	7.50	0.75	0.75	
Rotary mower-levees	6.7 ft	43	0.500	0.05	Sep	0.09	0.08	0.01	0.05	0.029	0.21				0.47	
Crawf irrig single	acin			1.00	Oct			31.67		0.144	1.08	12.0000			32.75	
Hip boots	pair											0.0083	74.95	0.62	0.62	
Other labor	hour											0.5000	7.50	3.75	3.75	
Rotary mower-levees	6.7 ft	43	0.500	0.05	Oct	0.09	0.08	0.01	0.05	0.029	0.21				0.47	
Crawf irrig single	acin			1.00	Nov			10.55		0.048	0.36	4.0000			10.91	
Other labor	hour											0.1000	7.50	0.75	0.75	
Crawfish combine	12 hp		0.075	10.00	Dec			0.47	0.58	0.825	6.18				7.24	
Crawfish bait(fish)lbs												50.0000	0.29	14.50	14.50	
Sacks	each											1.3300	0.40	0.53	0.53	
Crawf irrig single	acin			1.00	Dec			6.59		0.030	0.22	2.5000			6.82	
Other labor	hour											0.1000	7.50	0.75	0.75	
Pickup truck	1/2 ton		1.000	0.04	Dec			0.22	0.20	0.043	0.32				0.74	
Crawfish combine	12 hp		0.075	13.00	Jan			0.61	0.75	1.072	8.04				9.41	
Crawfish bait(fish)lbs												65.0000	0.29	18.85	18.85	
Sacks	each											3.0030	0.40	1.20	1.20	
Crawf irrig single	acin			1.00	Jan			5.27		0.024	0.18	2.0000			5.45	
Other labor	hour											0.1000	7.50	0.75	0.75	
Pickup truck	1/2 ton		1.000	0.05	Jan			0.29	0.26	0.056	0.42				0.97	
Crawfish combine	12 hp		0.075	12.00	Feb			0.56	0.69	0.990	7.42				8.68	
Crawfish bait(fish)lbs												60.0000	0.29	17.40	17.40	
Sacks	each											4.5000	0.40	1.80	1.80	
Crawf irrig single	acin			1.00	Feb			5.27		0.024	0.18	2.0000			5.45	
Other labor	hour											0.1000	7.50	0.75	0.75	
Pickup truck	1/2 ton		1.000	0.05	Feb			0.26	0.24	0.051	0.38				0.88	
Crawfish combine	12 hp		0.075	20.00	Mar			0.94	1.16	1.650	12.37				14.48	
Manuf. crawf bait	lbs											50.0000	0.16	8.00	8.00	
Crawfish bait(fish)lbs												50.0000	0.29	14.50	14.50	
Sacks	each											5.3400	0.40	2.13	2.13	
Crawf irrig single	acin			1.00	Mar			5.27		0.024	0.18	2.0000			5.45	
Other labor	hour											0.1000	7.50	0.75	0.75	
Pickup truck	1/2 ton		1.000	0.08	Mar			0.44	0.40	0.086	0.64				1.49	
Crawfish combine	12 hp		0.075	21.00	Apr			0.99	1.22	1.732	12.99				15.20	
Manuf. crawf bait	lbs											105.0000	0.16	16.80	16.80	
Sacks	each											9.0090	0.40	3.60	3.60	
Crawf irrig single	acin			1.00	Apr			5.27		0.024	0.18	2.0000			5.45	
Other labor	hour											0.1000	7.50	0.75	0.75	
Pickup truck	1/2 ton		1.000	0.09	Apr			0.46	0.42	0.090	0.67				1.56	
Rotary mower-levees	6.7 ft	43	0.500	0.05	Apr	0.09	0.08	0.01	0.05	0.029	0.21				0.47	
Crawfish combine	12 hp		0.075	18.00	May			0.85	1.04	1.485	11.13				13.03	
Manuf. crawf bait	lbs											90.0000	0.16	14.40	14.40	
Sacks	each											5.9400	0.40	2.37	2.37	
Crawf irrig single	acin			1.00	May			5.27		0.024	0.18	2.0000			5.45	
Other labor	hour											0.3000	7.50	2.25	2.25	
Pickup truck	1/2 ton		1.000	0.07	May			0.39	0.36	0.077	0.57				1.34	
Rotary mower-levees	6.7 ft	43	0.500	0.05	May	0.09	0.08	0.01	0.05	0.029	0.21				0.47	
Rotary mower-levees	6.7 ft	43	0.500	0.05	Jun	0.09	0.08	0.01	0.05	0.029	0.21				0.47	
TOTALS								3.10	3.30	101.93	139.51	8.978	67.33		169.84	485.04
INTEREST ON OPERATING CAPITAL																16.56
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																501.60

Table 7.B Estimated Resource Use and Costs for Field Operations, per Acre, Rice-Crawfish Double Crop, Owner-Operators, Southwest Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						dollars		dollars		dollars		dollars				
Crawf pond&eq double	acre			1.00	May			0.77	42.01			1.0000			42.78	
Disk	20 ft	143	0.100	2.00	May	2.46	2.70	1.54	2.29	0.220	1.65				10.65	
Airplane fert	cwt			1.00	May							3.0000	4.78	14.34	14.34	
Nitrogen	lbs											57.0000	0.22	12.54	12.54	
Phosphate	lbs											51.0000	0.19	9.69	9.69	
Potash	lbs											51.0000	0.15	7.65	7.65	
Global pos. system	acre											1.0000	0.45	0.45	0.45	
Field cultivator	20 ft	143	0.090	1.00	May	1.11	1.21	0.34	0.51	0.099	0.74				3.93	
Levee plow	8 Ft	143	0.050	3.00	May	1.85	2.02	0.23	0.60	0.165	1.23				5.94	
Ditcher rotary	1.5 ft	93	0.050	1.00	May	0.39	0.43	0.11	0.16	0.055	0.41				1.52	
Dozer blade	8 ft	93	0.850	0.10	May	0.67	0.73	0.09	0.26	0.093	0.70				2.47	
Backhoe		93	1.000	0.10	May	0.79	0.86	0.52	0.78	0.110	0.82				3.80	
Other labor	hour											0.0200	7.50	0.15	0.15	
Crawf irrig double	acin			1.00	May			23.75	34.42	0.108	0.81	9.0000			58.98	
Other labor	hour											0.6000	7.50	4.50	4.50	
Plastic	sqft											13.5000	0.05	0.67	0.67	
Water level	16 Ft	143	0.220	1.00	May	2.71	2.97	0.26	0.61	0.242	1.81				8.38	
Drag	14 ft	93	0.130	1.00	May	1.03	1.12	0.05	0.07	0.143	1.07				3.37	
Airplane seed	cwt			1.00	May							1.4000	4.65	6.51	6.51	
Rice seed	lbs											140.0000	0.16	22.40	22.40	
Global pos. system	acre											1.0000	0.45	0.45	0.45	
Seed crawfish	lbs			1.00	Jun							60.0000	0.75	45.00	45.00	
Other labor	hour											0.0500	7.50	0.37	0.37	
Crawf irrig double	acin			1.00	Jun			21.11		0.096	0.72	8.0000			21.83	
Other labor	hour											0.2000	7.50	1.50	1.50	
Airplane stam	acre			2.00	Jun							2.0000	5.67	11.34	11.34	
Stam M4	qt											6.0000	5.15	30.90	30.90	
Global pos. system	acre											2.0000	0.45	0.90	0.90	
Crawf irrig double	acin			1.00	Jul			21.11		0.096	0.72	8.0000			21.83	
Airplane fert	cwt			1.00	Jul							1.4000	4.78	6.69	6.69	
Nitrogen	lbs											63.0000	0.22	13.86	13.86	
Global pos. system	acre											1.0000	0.45	0.45	0.45	
Dozer blade	8 ft	93	0.850	0.10	Aug	0.67	0.73	0.09	0.26	0.093	0.70				2.47	
Other labor	hour											0.0200	7.50	0.15	0.15	
Combine Rice	20 Ft		0.300	1.00	Aug			12.24	21.61	0.330	3.96				37.81	
Grain cart	450 bu	93	1.000	0.38	Aug	2.11	3.30	0.92	1.98	0.418	3.13				11.46	
Truck	5 ton		1.000	0.38	Aug			4.24	4.60	0.380	2.85				11.70	
Drying rice	cwt			1.00	Aug							47.1900	0.90	42.47	42.47	
Dozer blade	8 ft	93	0.850	0.20	Aug	1.35	1.47	0.19	0.52	0.187	1.40				4.95	
Crawf irrig double	acin			1.00	Oct			31.67		0.144	1.08	12.0000			32.75	
Hip boots	pair											0.0083	74.95	0.62	0.62	
Other labor	hour											0.6000	7.50	4.50	4.50	
Rotary mower-levees	6.7 ft	43	0.500	0.05	Oct	0.09	0.08	0.01	0.05	0.029	0.21				0.47	
Crawf irrig double	acin			1.00	Nov			10.55		0.048	0.36	4.0000			10.91	
Other labor	hour											0.2000	7.50	1.50	1.50	
Crawfish combine	12 hp		0.075	10.00	Dec			0.47	0.58	0.825	6.18				7.24	
Crawfish bait(fish)	lbs											37.5000	0.29	10.87	10.87	
Sacks	each											1.4400	0.40	0.57	0.57	
Crawf irrig double	acin			1.00	Dec			6.59		0.030	0.22	2.5000			6.82	
Other labor	hour											0.2000	7.50	1.50	1.50	
Pickup truck	1/2 ton		1.000	0.04	Dec			0.22	0.20	0.043	0.32				0.74	
Crawfish combine	12 hp		0.075	13.00	Jan			0.61	0.75	1.072	8.04				9.41	
Crawfish bait(fish)	lbs											48.7500	0.29	14.13	14.13	
Sacks	each											2.3400	0.40	0.93	0.93	
Crawf irrig double	acin			1.00	Jan			3.95		0.018	0.13	1.5000			4.09	
Other labor	hour											0.2000	7.50	1.50	1.50	
Pickup truck	1/2 ton		1.000	0.05	Jan			0.29	0.26	0.056	0.42				0.97	
Crawfish combine	12 hp		0.075	12.00	Feb			0.56	0.69	0.990	7.42				8.68	
Crawfish bait(fish)	lbs											45.0000	0.29	13.05	13.05	
Sacks	each											4.4400	0.40	1.77	1.77	
Crawf irrig double	acin			1.00	Feb			5.27		0.024	0.18	2.0000			5.45	
Other labor	hour											0.2000	7.50	1.50	1.50	
Pickup truck	1/2 ton		1.000	0.05	Feb			0.26	0.24	0.051	0.38				0.88	
Crawfish combine	12 hp		0.075	20.00	Mar			0.94	1.16	1.650	12.37				14.48	
Manuf. crawf bait	lbs											37.5000	0.16	6.00	6.00	
Crawfish bait(fish)	lbs											37.5000	0.29	10.87	10.87	
Sacks	each											5.2000	0.40	2.08	2.08	
Crawf irrig double	acin			1.00	Mar			5.27		0.024	0.18	2.0000			5.45	
Other labor	hour											0.4000	7.50	3.00	3.00	
Pickup truck	1/2 ton		1.000	0.08	Mar			0.44	0.40	0.086	0.64				1.49	
Crawfish combine	12 hp		0.075	15.00	Apr			0.70	0.87	1.237	9.28				10.86	
Manuf. crawf bait	lbs											56.2500	0.16	9.00	9.00	
Sacks	each											6.4500	0.40	2.58	2.58	
Crawf irrig double	acin			1.00	Apr			5.27		0.024	0.18	2.0000			5.45	
Other labor	hour											0.2000	7.50	1.50	1.50	
Pickup truck	1/2 ton		1.000	0.06	Apr			0.33	0.30	0.064	0.48				1.11	
TOTALS								15.30	17.69	161.16	116.27	9.252	70.87		320.50	701.82
INTEREST ON OPERATING CAPITAL																35.08
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																736.90

Table 8.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Owner-Operator, 10 Acre Ponds, Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						dollars		dollars		dollars		dollars				
Catf pond&equip 6x10	acre			1.00	Jan			13.49	187.22			1.0000			200.71	
Catf irrig	acin			1.00	Jan			3.19	23.26	0.021	0.15	2.1000			26.61	
Other labor	hour											1.0000	7.50	7.50	7.50	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Propane	tank											0.0500	11.00	0.55	0.55	
Shotgun shells	box											0.2500	5.00	1.25	1.25	
Feeder truck	ton			1.00	Jan			0.78	47.47	0.030	0.22	0.1500			48.48	
Catfish feed	ton											0.1500	230.00	34.50	34.50	
Catf irrig	acin			1.00	Feb			3.50		0.023	0.17	2.3000			3.67	
Other labor	hour											1.0000	7.50	7.50	7.50	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Propane	tank											0.0500	11.00	0.55	0.55	
Shotgun shells	box											0.2500	5.00	1.25	1.25	
Feeder truck	ton			1.00	Feb			0.78		0.030	0.22	0.1500			1.01	
Catfish feed	ton											0.1500	230.00	34.50	34.50	
Pickup truck	1/2 ton		1.000	0.42	Feb			2.17	1.98	0.420	3.15				7.31	
Catf irrig	acin			1.00	Mar			3.80		0.025	0.18	2.5000			3.99	
Other labor	hour											1.0000	7.50	7.50	7.50	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Propane	tank											0.0500	11.00	0.55	0.55	
Shotgun shells	box											0.2500	5.00	1.25	1.25	
Feeder truck	ton			1.00	Mar			2.89		0.110	0.82	0.5500			3.72	
Catfish feed	ton											0.5500	230.00	126.50	126.50	
Boat,Motor&Trailer	14 ft		0.075	0.75	Mar			3.59	6.30	0.061	0.46		18.0000	0.41	7.38	10.36
Spring chemicals	lbs											6.0000			7.38	
10Hp aerator-10	hour			1.00	Apr			0.75	42.00	0.600	4.50				47.25	
Other labor	hour											2.1000	7.50	15.75	15.75	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Catf irrig	acin			1.00	Apr			3.50		0.023	0.17	2.3000			3.67	
Feeder truck	ton			1.00	Apr			2.89		0.110	0.82	0.5500			3.72	
Catfish feed	ton											0.5500	230.00	126.50	126.50	
Pickup truck	1/2 ton		1.000	0.30	Apr			1.58	1.44	0.305	2.28				5.31	
Harv & haul catfish	cwt			1.00	Apr							4.8000	5.00	24.00	24.00	
Custom restk catf	thou											0.5000	25.00	12.50	12.50	
Fingerlings	thou											0.5000	66.50	33.25	33.25	
PTO aerator	hour	68	1.000	1.10	Apr	5.02	5.53	0.16	0.87	0.110	0.82				12.43	
10Hp aerator-10	hour			1.00	May			0.75		0.600	4.50				5.25	
Other labor	hour											2.0000	7.50	15.00	15.00	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Catf irrig	acin			1.00	May			3.95		0.026	0.19	2.6000			4.15	
Feeder truck	ton			1.00	May			2.89		0.110	0.82	0.5500			3.72	
Catfish feed	ton											0.5500	230.00	126.50	126.50	
Pickup truck	1/2 ton		1.000	0.10	May			0.51	0.47	0.100	0.75				1.74	
Harv & haul catfish	cwt			1.00	May							10.0000	5.00	50.00	50.00	
Custom restk catf	thou											1.0500	25.00	26.25	26.25	
Fingerlings	thou											1.0500	66.50	69.82	69.82	
Side Mount Mower	6 ft	68	0.500	0.25	May	0.68	0.63	0.36	2.12	0.138	1.03				4.85	
PTO aerator	hour	68	1.000	0.60	May	2.74	3.02	0.09	0.47	0.060	0.45				6.78	
10Hp aerator-10	hour			1.00	Jun			1.76		1.400	10.50				12.26	
Other labor	hour											2.0000	7.50	15.00	15.00	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Catf irrig	acin			1.00	Jun			2.13		0.014	0.10	1.4000			2.23	
Feeder truck	ton			1.00	Jun			2.89		0.110	0.82	0.5500			3.72	
Catfish feed	ton											0.4130	230.00	94.99	94.99	
Medicated feed	ton											0.1370	495.00	67.81	67.81	
Pickup truck	1/2 ton		1.000	0.15	Jun			0.77	0.70	0.150	1.12				2.61	
PTO aerator	hour	68	1.000	1.40	Jun	6.39	7.04	0.21	1.11	0.140	1.05				15.82	
10Hp aerator-10	hour			1.00	Jul			1.76		1.400	10.50				12.26	
Other labor	hour											2.0000	7.50	15.00	15.00	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Catf irrig	acin			1.00	Jul			5.93		0.039	0.29	3.9000			6.23	
Feeder truck	ton			1.00	Jul			2.89		0.110	0.82	0.5500			3.72	
Catfish feed	ton											0.5500	230.00	126.50	126.50	
Pickup truck	1/2 ton		1.000	0.15	Jul			0.77	0.70	0.150	1.12				2.61	
PTO aerator	hour	68	1.000	1.40	Jul	6.39	7.04	0.21	1.11	0.140	1.05				15.82	
10Hp aerator-10	hour			1.00	Aug			1.76		1.400	10.50				12.26	
Other labor	hour											2.1000	7.50	15.75	15.75	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Catf irrig	acin			1.00	Aug			7.00		0.046	0.34	4.6000			7.34	
Feeder truck	ton			1.00	Aug			2.89		0.110	0.82	0.5500			3.72	
Catfish feed	ton											0.5500	230.00	126.50	126.50	
Pickup truck	1/2 ton		1.000	0.35	Aug			1.84	1.67	0.355	2.66				6.18	
Harv & haul catfish	cwt			1.00	Aug							9.5000	5.00	47.50	47.50	
Custom restk catf	thou											0.9800	25.00	24.50	24.50	
Fingerlings	thou											0.9800	66.50	65.17	65.17	
Side Mount Mower	6 ft	68	0.500	0.25	Aug	0.68	0.63	0.36	2.12	0.138	1.03				4.85	
PTO aerator	hour	68	1.000	1.90	Aug	8.68	9.56	0.28	1.51	0.190	1.42				21.48	
10Hp aerator-10	hour			1.00	Sep			1.76		1.400	10.50				12.26	
Other labor	hour											2.0000	7.50	15.00	15.00	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Catf irrig	acin			1.00	Sep			4.26		0.028	0.21	2.8000			4.47	
Feeder truck	ton			1.00	Sep			2.89		0.110	0.82	0.5500			3.72	
Catfish feed	ton											0.5500	230.00	126.50	126.50	
Pickup truck	1/2 ton		1.000	0.15	Sep			0.77	0.70	0.150	1.12				2.61	
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.00	34.50	34.50	
Custom restk catf	thou											0.7200	25.00	18.00	18.00	
Fingerlings	thou											0.7200	66.50	47.88	47.88	
PTO aerator	hour	68	1.000	1.40	Sep	6.39	7.04	0.21	1.11	0.140	1.05				15.82	
10Hp aerator-10	hour			1.00	Oct			0.75		0.600	4.50				5.25	
Other labor	hour											3.0000	7.50	22.50	22.50	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Propane	tank											0.0500	11.00	0.55	0.55	
Shotgun shells	box											0.2500	5.00	1.25	1.25	

Table 8.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Owner-Operator, 10 Acre Ponds,  
(CON'T) Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Catf irrig	acin			1.00	Oct			7.00		0.046	0.34	4.6000			7.34
Feeder truck	ton			1.00	Oct			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.4130	230.00	94.99	94.99
Medicated feed	ton											0.1370	495.00	67.81	67.81
Harv & haul catfish	cwt			1.00	Oct							10.0000	5.00	50.00	50.00
Custom restk catf	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	66.50	69.82	69.82
PTO aerator	hour	68	1.000	0.60	Oct	2.74	3.02	0.09	0.47	0.060	0.45				6.78
Catf irrig	acin			1.00	Nov			3.19		0.021	0.15	2.1000			3.35
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Nov			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.86	1.51	0.014	0.11				2.48
Fall chemicals	lbs											8.8200	1.50	13.23	13.23
Pickup truck	1/2 ton		1.000	0.52	Nov			2.69	2.45	0.520	3.90				9.05
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.00	58.00	58.00
Custom restk catf	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	66.50	79.80	79.80
Catf irrig	acin			1.00	Dec			3.19		0.021	0.15	2.1000			3.35
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Dec			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
TOTALS						39.75	43.54	117.48	328.89	12.076	90.57			2193.77	2814.03
INTEREST ON OPERATING CAPITAL															107.49
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															2921.53

Table 9.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Owner-Operator, 10 Acre Ponds with Generator, Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars		dollars		dollars		dollars			
Catf pond&equip 6x10	acre			1.00	Jan			13.49	187.22			1.0000			200.71
Catf irrig (d)	acin			1.00	Jan			3.03	43.53	0.021	0.15	2.1000			46.71
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Jan			0.78	47.47	0.030	0.22	0.1500			48.48
Catfish feed	ton											0.1500	230.00	34.50	34.50
Catf irrig (d)	acin			1.00	Feb			3.32		0.023	0.17	2.3000			3.49
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Feb			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
Pickup truck	1/2 ton			1.000	0.42	Feb		2.17	1.98	0.420	3.15				7.31
Catf irrig (d)	acin			1.00	Mar			3.60		0.025	0.18	2.5000			3.79
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Mar			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Boat, Motor & Trailer	14 ft			0.075	0.75	Mar		3.59	6.30	0.061	0.46				10.36
Spring chemicals	lbs											18.0000	0.41	7.38	7.38
10Hp aerator-10(d)	hour			1.00	Apr			0.86	42.00	0.600	4.50	6.0000			47.36
Other labor	hour											2.1000	7.50	15.75	15.75
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin			1.00	Apr			3.32		0.023	0.17	2.3000			3.49
Feeder truck	ton			1.00	Apr			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	0.30	Apr		1.58	1.44	0.305	2.28				5.31
Harv & haul catfish	cwt			1.00	Apr							4.8000	5.00	24.00	24.00
Custom restk catf	thou											0.5000	25.00	12.50	12.50
Fingerlings	thou											0.5000	66.50	33.25	33.25
PTO aerator	hour	68		1.000	1.10	Apr	5.02	5.53	0.16	0.87	0.110	0.82			12.43
10Hp aerator-10(d)	hour			1.00	May			0.86		0.600	4.50	6.0000			5.36
Other labor	hour											2.0000	7.50	15.00	15.00
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin			1.00	May			3.75		0.026	0.19	2.6000			3.94
Feeder truck	ton			1.00	May			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	0.10	May		0.51	0.47	0.100	0.75				1.74
Harv & haul catfish	cwt			1.00	May							10.0000	5.00	50.00	50.00
Custom restk catf	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	66.50	69.82	69.82
Side Mount Mower	6 ft	68		0.500	0.25	May	0.68	0.63	0.36	2.12	0.138	1.03			4.85
PTO aerator	hour	68		1.000	0.60	May	2.74	3.02	0.09	0.47	0.060	0.45			6.78
10Hp aerator-10(d)	hour			1.00	Jun			2.01		1.400	10.50	14.0000			12.51
Other labor	hour											2.0000	7.50	15.00	15.00
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin			1.00	Jun			2.02		0.014	0.10	1.4000			2.12
Feeder truck	ton			1.00	Jun			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.4130	230.00	94.99	94.99
Medicated feed	ton											0.1370	495.00	67.81	67.81
Pickup truck	1/2 ton			1.000	0.15	Jun		0.77	0.70	0.150	1.12				2.61
PTO aerator	hour	68		1.000	1.40	Jun	6.39	7.04	0.21	1.11	0.140	1.05			15.82
10Hp aerator-10(d)	hour			1.00	Jul			2.01		1.400	10.50	14.0000			12.51
Other labor	hour											2.0000	7.50	15.00	15.00
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin			1.00	Jul			5.63		0.039	0.29	3.9000			5.92
Feeder truck	ton			1.00	Jul			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	0.15	Jul		0.77	0.70	0.150	1.12				2.61
PTO aerator	hour	68		1.000	1.40	Jul	6.39	7.04	0.21	1.11	0.140	1.05			15.82
10Hp aerator-10(d)	hour			1.00	Aug			2.01		1.400	10.50	14.0000			12.51
Other labor	hour											2.1000	7.50	15.75	15.75
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin			1.00	Aug			6.64		0.046	0.34	4.6000			6.98
Feeder truck	ton			1.00	Aug			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	0.35	Aug		1.84	1.67	0.355	2.66				6.18
Harv & haul catfish	cwt			1.00	Aug							9.5000	5.00	47.50	47.50
Custom restk catf	thou											0.9800	25.00	24.50	24.50
Fingerlings	thou											0.9800	66.50	65.17	65.17
Side Mount Mower	6 ft	68		0.500	0.25	Aug	0.68	0.63	0.36	2.12	0.138	1.03			4.85
PTO aerator	hour	68		1.000	1.90	Aug	8.68	9.56	0.28	1.51	0.190	1.42			21.48
10Hp aerator-10(d)	hour			1.00	Sep			2.01		1.400	10.50	14.0000			12.51
Other labor	hour											2.0000	7.50	15.00	15.00
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin			1.00	Sep			4.04		0.028	0.21	2.8000			4.25
Feeder truck	ton			1.00	Sep			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	0.15	Sep		0.77	0.70	0.150	1.12				2.61
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.00	34.50	34.50
Custom restk catf	thou											0.7200	25.00	18.00	18.00
Fingerlings	thou											0.7200	66.50	47.88	47.88
PTO aerator	hour	68		1.000	1.40	Sep	6.39	7.04	0.21	1.11	0.140	1.05			15.82
10Hp aerator-10(d)	hour			1.00	Oct			0.86		0.600	4.50	6.0000			5.36
Other labor	hour											3.0000	7.50	22.50	22.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25

Table 9.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Owner-Operator, 10 Acre Ponds with Generator, (CON'T) Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Catf irrig (d)	acin			1.00	Oct			6.64		0.046	0.34	4.6000			6.98
Feeder truck	ton			1.00	Oct			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.4130	230.00	94.99	94.99
Medicated feed	ton											0.1370	495.00	67.81	67.81
Harv & haul catfish	cwt			1.00	Oct							10.0000	5.00	50.00	50.00
Custom restk catf	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	66.50	69.82	69.82
PTO aerator	hour	68	1.000	0.60	Oct	2.74	3.02	0.09	0.47	0.060	0.45				6.78
Catf irrig (d)	acin			1.00	Nov			3.03		0.021	0.15	2.1000			3.18
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Nov			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.86	1.51	0.014	0.11				2.48
Fall chemicals	lbs											8.8200	1.50	13.23	13.23
Pickup truck	1/2 ton		1.000	0.52	Nov			2.69	2.45	0.520	3.90				9.05
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.00	58.00	58.00
Custom restk catf	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	66.50	79.80	79.80
Catf irrig (d)	acin			1.00	Dec			3.03		0.021	0.15	2.1000			3.18
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Dec			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
TOTALS						39.75	43.54	116.16	349.16	12.076	90.57			2193.77	2832.97
INTEREST ON OPERATING CAPITAL															107.43
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															2940.41

Table 10.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Tenant-Operator, 10 Acre Ponds, Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars		dollars		dollars		dollars			
Catf pond&eq 6x10(r) acre				1.00	Jan			13.49	12.71			1.0000			26.20
Rent(catf electric)acre												1.0000	250.00	250.00	250.00
Catf irrig (r) acin				1.00	Jan			3.14		0.021	0.15	2.1000			3.30
Other labor hour												1.0000	7.50	7.50	7.50
Water consultant acre												1.0000	1.75	1.75	1.75
Propane tank												0.0500	11.00	0.55	0.55
Shotgun shells box												0.2500	5.00	1.25	1.25
Feeder truck ton				1.00	Jan			0.78	47.47	0.030	0.22	0.1500			48.48
Catfish feed ton												0.1500	230.00	34.50	34.50
Catf irrig (r) acin				1.00	Feb			3.44		0.023	0.17	2.3000			3.61
Other labor hour												1.0000	7.50	7.50	7.50
Water consultant acre												1.0000	1.75	1.75	1.75
Propane tank												0.0500	11.00	0.55	0.55
Shotgun shells box												0.2500	5.00	1.25	1.25
Feeder truck ton				1.00	Feb			0.78		0.030	0.22	0.1500			1.01
Catfish feed ton												0.1500	230.00	34.50	34.50
Pickup truck 1/2 ton				1.000	Feb			2.17	1.98	0.420	3.15	2.5000			7.31
Catf irrig (r) acin				1.00	Mar			3.74		0.025	0.18	2.5000			3.93
Other labor hour												1.0000	7.50	7.50	7.50
Water consultant acre												1.0000	1.75	1.75	1.75
Propane tank												0.0500	11.00	0.55	0.55
Shotgun shells box												0.2500	5.00	1.25	1.25
Feeder truck ton				1.00	Mar			2.89		0.110	0.82	0.5500			3.72
Catfish feed ton												0.5500	230.00	126.50	126.50
Boat, Motor&Trailer 14 ft				0.075	0.75	Mar			3.59	6.30	0.061	0.46			10.36
Spring chemicals lbs												18.0000	0.41	7.38	7.38
10Hp aerator-10(r) HOUR				1.00	Apr			0.75		0.600	4.50	6.0000			5.25
Other labor hour												2.1000	7.50	15.75	15.75
Water consultant acre												1.0000	1.75	1.75	1.75
Catf irrig (r) acin				1.00	Apr			3.44		0.023	0.17	2.3000			3.61
Feeder truck ton				1.00	Apr			2.89		0.110	0.82	0.5500			3.72
Catfish feed ton												0.5500	230.00	126.50	126.50
Pickup truck 1/2 ton				1.000	0.30	Apr			1.58	1.44	0.305	2.28			5.31
Harv & haul catfish cwt				1.00	Apr							4.8000	5.00	24.00	24.00
Custom restk catf thou												0.5000	25.00	12.50	12.50
Fingerlings thou												0.5000	66.50	33.25	33.25
PTO aerator hour	68			1.000	1.10	Apr	5.02	5.53	0.16	0.87	0.110	0.82			12.43
10Hp aerator-10(r) HOUR				1.00	May			0.75		0.600	4.50	6.0000			5.25
Other labor hour												2.0000	7.50	15.00	15.00
Water consultant acre												1.0000	1.75	1.75	1.75
Catf irrig (r) acin				1.00	May			3.89		0.026	0.19	2.6000			4.09
Feeder truck ton				1.00	May			2.89		0.110	0.82	0.5500			3.72
Catfish feed ton												0.5500	230.00	126.50	126.50
Pickup truck 1/2 ton				1.000	0.10	May			0.51	0.47	0.100	0.75			1.74
Harv & haul catfish cwt				1.00	May							10.0000	5.00	50.00	50.00
Custom restk catf thou												1.0500	25.00	26.25	26.25
Fingerlings thou												1.0500	66.50	69.82	69.82
Side Mount Mower 6 ft	68			0.500	0.25	May	0.68	0.63	0.36	2.12	0.138	1.03			4.85
PTO aerator hour	68			1.000	0.60	May	2.74	3.02	0.09	0.47	0.060	0.45			6.78
10Hp aerator-10(r) HOUR				1.00	Jun			1.76		1.400	10.50	14.0000			12.26
Other labor hour												2.0000	7.50	15.00	15.00
Water consultant acre												1.0000	1.75	1.75	1.75
Catf irrig (r) acin				1.00	Jun			2.09		0.014	0.10	1.4000			2.20
Feeder truck ton				1.00	Jun			2.89		0.110	0.82	0.5500			3.72
Catfish feed ton												0.4130	230.00	94.99	94.99
Medicated feed ton												0.1370	495.00	67.81	67.81
Pickup truck 1/2 ton				1.000	0.15	Jun			0.77	0.70	0.150	1.12			2.61
PTO aerator hour	68			1.000	1.40	Jun	6.39	7.04	0.21	1.11	0.140	1.05			15.82
10Hp aerator-10(r) HOUR				1.00	Jul			1.76		1.400	10.50	14.0000			12.26
Other labor hour												2.0000	7.50	15.00	15.00
Water consultant acre												1.0000	1.75	1.75	1.75
Catf irrig (r) acin				1.00	Jul			5.84		0.039	0.29	3.9000			6.13
Feeder truck ton				1.00	Jul			2.89		0.110	0.82	0.5500			3.72
Catfish feed ton												0.5500	230.00	126.50	126.50
Pickup truck 1/2 ton				1.000	0.15	Jul			0.77	0.70	0.150	1.12			2.61
PTO aerator hour	68			1.000	1.40	Jul	6.39	7.04	0.21	1.11	0.140	1.05			15.82
10Hp aerator-10(r) HOUR				1.00	Aug			1.76		1.400	10.50	14.0000			12.26
Other labor hour												2.1000	7.50	15.75	15.75
Water consultant acre												1.0000	1.75	1.75	1.75
Catf irrig (r) acin				1.00	Aug			6.89		0.046	0.34	4.6000			7.23
Feeder truck ton				1.00	Aug			2.89		0.110	0.82	0.5500			3.72
Catfish feed ton												0.5500	230.00	126.50	126.50
Pickup truck 1/2 ton				1.000	0.35	Aug			1.84	1.67	0.355	2.66			6.18
Harv & haul catfish cwt				1.00	Aug							9.5000	5.00	47.50	47.50
Custom restk catf thou												0.9800	25.00	24.50	24.50
Fingerlings thou												0.9800	66.50	65.17	65.17
Side Mount Mower 6 ft	68			0.500	0.25	Aug	0.68	0.63	0.36	2.12	0.138	1.03			4.85
PTO aerator hour	68			1.000	1.90	Aug	8.68	9.56	0.28	1.51	0.190	1.42			21.48
10Hp aerator-10(r) HOUR				1.00	Sep			1.76		1.400	10.50	14.0000			12.26
Other labor hour												2.0000	7.50	15.00	15.00
Water consultant acre												1.0000	1.75	1.75	1.75
Catf irrig (r) acin				1.00	Sep			4.19		0.028	0.21	2.8000			4.40
Feeder truck ton				1.00	Sep			2.89		0.110	0.82	0.5500			3.72
Catfish feed ton												0.5500	230.00	126.50	126.50
Pickup truck 1/2 ton				1.000	0.15	Sep			0.77	0.70	0.150	1.12			2.61
Harv & haul catfish cwt				1.00	Sep							6.9000	5.00	34.50	34.50
Custom restk catf thou												0.7200	25.00	18.00	18.00
Fingerlings thou												0.7200	66.50	47.88	47.88
PTO aerator hour	68			1.000	1.40	Sep	6.39	7.04	0.21	1.11	0.140	1.05			15.82
10Hp aerator-10(r) HOUR				1.00	Oct			0.75		0.600	4.50	6.0000			5.25
Other labor hour												3.0000	7.50	22.50	22.50
Water consultant acre												1.0000	1.75	1.75	1.75
Propane tank												0.0500	11.00	0.55	0.55

Table 10.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Tenant-Operator, 10 Acre Ponds,  
(CON'T) Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Shotgun shells	box											0.2500	5.00	1.25	1.25
Catf irrig (r)	acin			1.00	Oct			6.89		0.046	0.34	4.6000			7.23
Feeder truck	ton			1.00	Oct			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.4130	230.00	94.99	94.99
Medicated feed	ton											0.1370	495.00	67.81	67.81
Harv & haul catfish	cwt			1.00	Oct							10.0000	5.00	50.00	50.00
Custom restk catf	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	66.50	69.82	69.82
PTO aerator	hour	68	1.000	0.60	Oct	2.74	3.02	0.09	0.47	0.060	0.45				6.78
Catf irrig (r)	acin			1.00	Nov			3.14		0.021	0.15	2.1000			3.30
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Nov			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
Boat, Motor&Trailer	14 ft		0.075	0.18	Nov			0.86	1.51	0.014	0.11				2.48
Fall chemicals	lbs											8.8200	1.50	13.23	13.23
Pickup truck	1/2 ton		1.000	0.52	Nov			2.69	2.45	0.520	3.90				9.05
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.00	58.00	58.00
Custom restk catf	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	66.50	79.80	79.80
Catf irrig (r)	acin			1.00	Dec			3.14		0.021	0.15	2.1000			3.30
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Dec			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
TOTALS						39.75	43.54	116.67	89.12	12.076	90.57			2443.77	2823.45
INTEREST ON OPERATING CAPITAL															129.96
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															2953.41

Table 11.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Tenant-Operator, 10 Acre Ponds with Generator, Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars		dollars		dollars		dollars			
Catf pond&eq 6x10(r)	acre			1.00	Jan			13.49	12.71			1.0000			26.20
Rent (catf diesel)	acre											1.0000	250.00	250.00	250.00
Catf irrig (d,r)	acin			1.00	Jan			2.71		0.021	0.15	2.1000			2.86
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Jan			0.78	47.47	0.030	0.22	0.1500			48.48
Catfish feed	ton											0.1500	230.00	34.50	34.50
Catf irrig (d,r)	acin			1.00	Feb			2.97		0.023	0.17	2.3000			3.14
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Feb			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
Pickup truck	1/2 ton			1.000	Feb			2.17	1.98	0.420	3.15	2.5000			7.31
Catf irrig (d,r)	acin			1.00	Mar			3.22		0.025	0.18	1.0000	7.50	7.50	7.50
Other labor	hour											1.0000	1.75	1.75	1.75
Water consultant	acre											0.0500	11.00	0.55	0.55
Propane	tank											0.2500	5.00	1.25	1.25
Shotgun shells	box											0.5500			3.72
Feeder truck	ton			1.00	Mar			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Boat, Motor&Trailer	14 ft			0.075	Mar			3.59	6.30	0.061	0.46	18.0000	0.41	7.38	10.36
Spring chemicals	lbs											6.0000			5.36
10Hp aerator-10(d,r)	HOUR			1.00	Apr			0.86		0.600	4.50	2.1000	7.50	15.75	15.75
Other labor	hour											1.0000	1.75	1.75	1.75
Water consultant	acre											2.3000			3.14
Catf irrig (d,r)	acin			1.00	Apr			2.97		0.023	0.17	2.3000			3.14
Feeder truck	ton			1.00	Apr			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	Apr			1.58	1.44	0.305	2.28	4.8000	5.00	24.00	24.00
Harv & haul catfish	cwt			1.00	Apr							0.5000	25.00	12.50	12.50
Custom restk catf	thou											0.5000	66.50	33.25	33.25
Fingerlings	thou											0.5000	66.50	33.25	33.25
PTO aerator	hour	68		1.000	Apr	5.02	5.53	0.16	0.87	0.110	0.82	2.0000	7.50	15.00	15.00
10Hp aerator-10(d,r)	HOUR			1.00	May			0.86		0.600	4.50	6.0000			5.36
Other labor	hour											2.0000	7.50	15.00	15.00
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin			1.00	May			3.35		0.026	0.19	2.6000			3.55
Feeder truck	ton			1.00	May			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	May			0.51	0.47	0.100	0.75	10.0000	5.00	50.00	50.00
Harv & haul catfish	cwt			1.00	May							1.0500	25.00	26.25	26.25
Custom restk catf	thou											1.0500	66.50	69.82	69.82
Fingerlings	thou											1.0500	66.50	69.82	69.82
Side Mount Mower	6 ft	68		0.500	May	0.68	0.63	0.36	2.12	0.138	1.03	2.0000	7.50	15.00	15.00
PTO aerator	hour	68		1.000	May	2.74	3.02	0.09	0.47	0.060	0.45	1.0000	1.75	1.75	1.75
10Hp aerator-10(d,r)	HOUR			1.00	Jun			2.01		1.400	10.50	14.0000			12.51
Other labor	hour											2.0000	7.50	15.00	15.00
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin			1.00	Jun			1.80		0.014	0.10	1.4000			1.91
Feeder truck	ton			1.00	Jun			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.4130	230.00	94.99	94.99
Medicated feed	ton											0.1370	495.00	67.81	67.81
Pickup truck	1/2 ton			1.000	Jun			0.77	0.70	0.150	1.12	2.0000	7.50	15.00	15.00
PTO aerator	hour	68		1.000	Jun	6.39	7.04	0.21	1.11	0.140	1.05	1.0000	1.75	1.75	1.75
10Hp aerator-10(d,r)	HOUR			1.00	Jul			2.01		1.400	10.50	14.0000			12.51
Other labor	hour											2.0000	7.50	15.00	15.00
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin			1.00	Jul			5.03		0.039	0.29	3.9000			5.32
Feeder truck	ton			1.00	Jul			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	Jul			0.77	0.70	0.150	1.12	2.0000	7.50	15.00	15.00
PTO aerator	hour	68		1.000	Jul	6.39	7.04	0.21	1.11	0.140	1.05	1.0000	1.75	1.75	1.75
10Hp aerator-10(d,r)	HOUR			1.00	Aug			2.01		1.400	10.50	14.0000			12.51
Other labor	hour											2.1000	7.50	15.75	15.75
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin			1.00	Aug			5.94		0.046	0.34	4.6000			6.28
Feeder truck	ton			1.00	Aug			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	Aug			1.84	1.67	0.355	2.66	9.5000	5.00	47.50	47.50
Harv & haul catfish	cwt			1.00	Aug							0.9800	25.00	24.50	24.50
Custom restk catf	thou											0.9800	66.50	65.17	65.17
Fingerlings	thou											0.9800	66.50	65.17	65.17
Side Mount Mower	6 ft	68		0.500	Aug	0.68	0.63	0.36	2.12	0.138	1.03	2.0000	7.50	15.00	15.00
PTO aerator	hour	68		1.000	Aug	8.68	9.56	0.28	1.51	0.190	1.42	1.0000	1.75	1.75	1.75
10Hp aerator-10(d,r)	HOUR			1.00	Sep			2.01		1.400	10.50	14.0000			12.51
Other labor	hour											2.0000	7.50	15.00	15.00
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin			1.00	Sep			3.61		0.028	0.21	2.8000			3.82
Feeder truck	ton			1.00	Sep			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.5500	230.00	126.50	126.50
Pickup truck	1/2 ton			1.000	Sep			0.77	0.70	0.150	1.12	6.9000	5.00	34.50	34.50
Harv & haul catfish	cwt			1.00	Sep							0.7200	25.00	18.00	18.00
Custom restk catf	thou											0.7200	66.50	47.88	47.88
Fingerlings	thou											0.7200	66.50	47.88	47.88
PTO aerator	hour	68		1.000	Sep	6.39	7.04	0.21	1.11	0.140	1.05	6.0000			15.82
10Hp aerator-10(d,r)	HOUR			1.00	Oct			0.86		0.600	4.50	2.0000	7.50	15.00	15.00
Other labor	hour											3.0000	7.50	22.50	22.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55

Table 11.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Tenant-Operator, 10 Acre Ponds with Generator, (CON'T) Louisiana, 2003.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Shotgun shells	box											0.2500	5.00	1.25	1.25
Catf irrig (d,r)	acin			1.00	Oct			5.94		0.046	0.34	4.6000			6.28
Feeder truck	ton			1.00	Oct			2.89		0.110	0.82	0.5500			3.72
Catfish feed	ton											0.4130	230.00	94.99	94.99
Medicated feed	ton											0.1370	495.00	67.81	67.81
Harv & haul catfish	cwt			1.00	Oct							10.0000	5.00	50.00	50.00
Custom restk catf	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	66.50	69.82	69.82
PTO aerator	hour	68	1.000	0.60	Oct	2.74	3.02	0.09	0.47	0.060	0.45				6.78
Catf irrig (d,r)	acin			1.00	Nov			2.71		0.021	0.15	2.1000			2.86
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Nov			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.86	1.51	0.014	0.11				2.48
Fall chemicals	lbs											8.8200	1.50	13.23	13.23
Pickup truck	1/2 ton		1.000	0.52	Nov			2.69	2.45	0.520	3.90				9.05
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.00	58.00	58.00
Custom restk catf	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	66.50	79.80	79.80
Catf irrig (d,r)	acin			1.00	Dec			2.71		0.021	0.15	2.1000			2.86
Other labor	hour											1.0000	7.50	7.50	7.50
Water consultant	acre											1.0000	1.75	1.75	1.75
Propane	tank											0.0500	11.00	0.55	0.55
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Dec			0.78		0.030	0.22	0.1500			1.01
Catfish feed	ton											0.1500	230.00	34.50	34.50
TOTALS						39.75	43.54	111.08	89.12	12.076	90.57			2443.77	2817.86
INTEREST ON OPERATING CAPITAL															129.69
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															2947.56

Appendix Table 1. A Summary of Projected Costs Based on Reduced Fishing Days for Crawfish and Crawfish-Rice Production, Louisiana, 2003.

	Base	-10%	-20%	-30%
<b>Crawfish Enterprises:</b>				
<b>Northeast Louisiana</b>				
Non-aerated, Owner				
Fishing Days	88	79	71	61
Direct Expenses	\$227.92	\$215.68	\$204.76	\$191.17
Fixed Expenses	\$130.62	\$130.10	\$129.63	\$129.05
Total Expenses	\$358.55	\$345.78	\$334.40	\$320.23
<b>Southwest Louisiana</b>				
Non-aerated, Owner				
Fishing Days	94	85	75	66
Direct Expenses	\$358.78	\$341.34	\$321.59	\$303.41
Fixed Expenses	\$142.82	\$142.29	\$141.71	\$141.19
Total Expenses	\$501.60	\$483.63	\$463.30	\$444.60
Crawfish-Rice, Owner				
Fishing Days	70	64	56	49
Direct Expenses	\$602.92	\$619.07	\$605.31	\$592.94
Fixed Expenses	\$133.97	\$133.62	\$133.16	\$132.75
Total Expenses	\$736.90	\$752.70	\$738.47	\$725.69

Appendix Table 2. Operating Inputs: Estimated Prices, Louisiana, 2003.

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
<b>BAIT</b>					
Crawfish bait (fish)	lbs	0.28	Manuf. crawfish bait	lbs	0.16
Crawfish bait (fish)	lbs	0.29	Manuf. crawfish bait	lbs	0.16
<b>CUSTOM</b>					
Airplane fert	cwt	4.78	Airplane fert	acre	4.78
Airplane seed	acre	4.65	Airplane stam	acre	5.67
Custom haul catfish	lbs	0.02	Custom restk catfish	thou	25.00
Drying rice	cwt	0.90	Fertilizer truck	acre	4.20
Global pos. system	acre	0.45	Harv & haul catfish	cwt	5.00
Storage rice	cwt	0.08	Water consultant	acre	1.75
<b>FEED</b>					
Catfish feed	ton	230.00	Medicated feed	ton	495.00
<b>FERTILIZER</b>					
Nitrogen	lbs	0.22	Phosphate	lbs	0.19
Potash	lbs	0.15	Urea (45%)	lbs	0.09
<b>HERBICIDES</b>					
2,4-D LV4	pt	1.88	Fall chemicals	lbs	1.50
Spring chemicals	lbs	0.41	Stam M4	qt	5.15
<b>HIRED LABOR</b>					
Other labor	hour	7.50	Predator cntrl labor	hour	7.50
<b>OTHER</b>					
Accounting service	dol	1.00	Farmstead & drainage	dol	1.00
Fingerlings	thou	66.50	Hip boots	pair	74.95
Levee gate	gate	10.00	Misc. overhead	dol	1.00
Plastic	sqft	0.05	Propane	tank	11.00
Rent	acre	250.00	Sacks	each	0.40
Seed crawfish	lbs	0.75	Shotgun shells	box	5.00
Stunted crawfish	lbs	0.35	Waders	pair	120.00
<b>SEED</b>					
Common bermuda seed	lbs	2.67	Rice seed	lbs	0.16
Ryegrass seed	lbs	0.32			

Appendix Table 3. Powered Equipment: Estimated Useful Life, Annual Use, Purchase Price, Repair Cost, Fuel Consumption Rate, and Direct and Fixed Cost per Hour, Louisiana, 2003.

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	CONS RATE	--DIRECT COST--	--FIXEDCOST--		
		hrs/ac	years	hours	dollars	percent	/hour	\$/hr	\$/ac		
Double Hitch	0		10	1000	0	100	0.00	0.00	0.00		
Large 4wd	300		10	600	122,286	25	15.44	22.07	22.75		
Pickup Truck	1\2 ton		5	800	17,000	45	2.50	5.18	4.72		
Small 4wd	225		10	600	104,362	25	11.58	17.08	19.42		
Tractor - PTO	68		10	600	27,049	35	2.72	4.56	5.03		
Tractor 106-130 hp	118		10	600	60,457	35	6.07	10.20	11.25		
Tractor 131-155 hp	143		10	600	72,690	35	7.36	12.33	13.52		
Tractor 15-30 hp	23		10	600	8,200	35	1.13	1.95	1.52		
Tractor 156-180 hp	168		10	600	83,266	35	8.65	14.37	15.49		
Tractor 31-55 hp	43		10	600	17,240	35	2.21	3.43	3.20		
Tractor 56-80 hp	68		10	600	27,049	35	3.50	5.42	5.03		
Tractor 81-105 (GC)	93		10	600	46,683	35	2.59	5.57	8.68		
Tractor 81-105 hp	93		10	600	46,683	35	4.79	7.99	8.68		
2 man cf combine	12 hp	0.063	10	923	6,500	40	0.30	0.67	0.04	0.92	0.05
Boat, Motor & Trailer	14 ft	0.075	8	4	3,150	65	4.00	63.95	4.79	112.08	8.40
Combine Rice	20 Ft	0.300	10	300	165,000	60	7.10	40.81	12.24	72.05	21.61
Crawfish combine	12 hp	0.075	10	1098	6,500	40	0.30	0.62	0.04	0.77	0.05
Pickup truck	1/2 ton	1.000	5	800	17,000	45	2.50	5.18	5.18	4.72	4.72
Truck	5 ton	1.000	10	400	37,000	50	5.00	11.17	11.17	12.11	12.11

Appendix Table 4. Implements: Estimated Performance Rate, Useful Life, Annual Use, Purchase Price, Repair Cost, and Direct and Fixed Cost per Hour and per Acre, Louisiana, 2003.

ITEM NAME	SIZE	PERF	USEFUL	ANNUAL	PURCHASE	REPAIR	--DIRECT COST--		--FIXED COST--	
		RATE	LIFE	USE	PRICE	COST	\$/hr	\$/ac	\$/hr	\$/ac
		hrs/ac	years	hours	dollars	percent				
Backhoe		1.000	10	100	6,000	88	5.28	5.28	7.86	7.86
Cultimulcher	12 Ft	0.160	15	120	5,500	88	2.68	0.43	4.65	0.74
Disk	20 ft	0.100	10	200	17,500	88	7.70	0.77	11.46	1.14
Ditcher rotary	1.5 ft	0.050	10	100	2,500	88	2.20	0.11	3.27	0.16
Ditcher side	1.5	0.050	10	100	3,750	88	3.30	0.16	4.91	0.24
Dozer blade	8 ft	0.850	20	100	3,500	66	1.15	0.98	3.06	2.60
Drag	14 ft	0.130	8	200	800	88	0.44	0.05	0.61	0.07
Fertilizer buggy	30 ft	0.060	10	150	6,500	88	3.81	0.22	5.67	0.34
Fertilizer buggy (R)	30 ft	0.060	10	150	1	0	0.00	0.00	0.00	0.00
Field cultivator	20 ft	0.090	10	200	8,750	88	3.85	0.34	5.73	0.51
Grain cart	450 bu	1.000	15	175	9,000	71	2.43	2.43	5.22	5.22
Grain drill	12 ft	0.210	8	200	7,500	77	3.60	0.75	5.76	1.20
Grain drill	20 ft	0.100	8	200	16,500	77	7.94	0.79	12.67	1.26
Harrow	6 Ft	0.410	10	200	800	88	0.35	0.14	0.52	0.21
Levee plow	8 Ft	0.050	10	150	4,600	50	1.53	0.07	4.01	0.20
PTO aerator	hour	1.000	10	426	2,600	25	0.15	0.15	0.79	0.79
Rotary mower	13.3 ft	0.130	10	150	7,000	44	2.05	0.26	6.11	0.79
Rotary mower-levees	6.7 ft	0.500	10	150	2,500	44	0.73	0.36	2.18	1.09
Side Mount Mower	6 ft	0.500	6	50	4,400	20	2.93	1.46	16.87	8.43
Spike harrow	18 ft	0.125	10	200	2,000	88	0.88	0.11	1.31	0.16
Tractor blade	6 ft	1.000	15	100	500	137	0.45	0.45	0.50	0.50
Water level	16 Ft	0.220	15	100	2,750	66	1.21	0.26	2.79	0.61

Appendix Table 5. 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, 2003.

ITEM NAME	UNIT	REPAIR	FUEL	DIRECT COST	----FIXED COST----	
		COST	CONS		\$/U of M	\$/acre
		\$/U of M	/U of M	\$/U of M	\$/U of M	\$/acre
10 Hp pw el (cf)	hour	0.005	0.575	0.056		21.00
10 Hp ss pdwl	hour	0.106	11.500	1.141		73.26
10Hp aerator-10	hour	0.022	1.150	0.126		42.00
10Hp aerator-10(d)	hour	0.022	0.110	0.143		42.00
10Hp aerator-10(d,r)	hour	0.022	0.110	0.143		
10Hp aerator-10(r)	hour	0.022	1.150	0.126		
Catf irrig	acin	0.125	15.525	1.522		23.26
Catf irrig (d)	acin	0.253	1.082	1.443		43.53
Catf irrig (d,r)	acin	0.101	1.082	1.291		
Catf irrig (r)	acin	0.101	15.525	1.498		
Catf pond&eq 6x10(r)	acre	13.492	0.000	13.492		12.71
Catf pond&equip 6x10	acre	13.492	0.000	13.492		187.22
Crawf irrig double	acin	0.190	2.227	2.639		34.42
Crawf irrig north LA	acin	0.101	0.668	0.835		13.98
Crawf irrig single	acin	0.190	2.227	2.639		34.42
Crawf pond&eq double	acre	0.770	0.000	0.770		42.01
Crawf pond&eq north	acre	10.340	0.000	10.340		102.05
Crawf pond&eq single	acre	6.620	0.000	6.620		95.03
Feeder truck	ton	3.692	1.200	5.264		47.47

Appendix Table 6. Estimated Costs per Acre, Overhead Costs,  
 Tenant-Operator, Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>HIRED LABOR</b>					
Other labor	hour	7.50	0.7600	5.70	_____
<b>OTHER</b>					
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	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	0.1650	1.23	_____
Self-Propelled Eq.	hour	7.50	1.5000	11.25	_____
Shop bld. & equip.	hour	7.50	0.5800	4.35	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	0.3315	0.36	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	3.7500	4.91	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	Acre,	0.11	1.0000	0.11	_____
Tractors	Acre,	0.15	1.0000	0.15	_____
Self-Propelled Eq.	Acre,	2.86	1.0000	2.86	_____
Shop bld. & equip.	acre	7.68	1.0000	7.68	_____
INTEREST ON OP. CAP.	Acre,	2.21	1.0000	2.21	_____
<b>TOTAL DIRECT EXPENSES</b>				49.10	_____
<b>FIXED EXPENSES</b>					
Implements	Acre,	0.32	1.0000	0.32	_____
Tractors	Acre,	0.48	1.0000	0.48	_____
Self-Propelled Eq.	Acre,	7.08	1.0000	7.08	_____
Shop bld. & equip.	acre	6.55	1.0000	6.55	_____
<b>TOTAL FIXED EXPENSES</b>				14.44	_____
<b>TOTAL SPECIFIED EXPENSES</b>				63.55	_____

Appendix Table 7. Estimated costs per Acre, Overhead Costs, Owner-Operators, Louisiana, 2003.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>HIRED LABOR</b>					
Other labor	hour	7.50	1.2700	9.52	_____
<b>OTHER</b>					
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	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	7.50	0.1650	1.23	_____
Self-Propelled Eq.	hour	7.50	1.5000	11.25	_____
Shop bld. & equip.	hour	7.50	0.5800	4.35	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.10	0.3315	0.36	_____
<b>GASOLINE</b>					
Self-Propelled Eq.	gal	1.31	3.7500	4.91	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	Acre,	0.11	1.0000	0.11	_____
Tractors	Acre,	0.15	1.0000	0.15	_____
Self-Propelled Eq.	Acre,	2.86	1.0000	2.86	_____
Shop bld. & equip.	acre	7.68	1.0000	7.68	_____
INTEREST ON OP. CAP.	Acre,	2.66	1.0000	2.66	_____
<b>TOTAL DIRECT EXPENSES</b>				60.08	_____
<b>FIXED EXPENSES</b>					
Implements	Acre,	0.32	1.0000	0.32	_____
Tractors	Acre,	0.48	1.0000	0.48	_____
Self-Propelled Eq.	Acre,	7.08	1.0000	7.08	_____
Shop bld. & equip.	acre	6.55	1.0000	6.55	_____
<b>TOTAL FIXED EXPENSES</b>				14.44	_____
<b>TOTAL SPECIFIED EXPENSES</b>				74.52	_____

Appendix Table 8. Definitions of Selected Line Items in the Crawfish and Catfish Production Budgets.

Item	Definition
Catf irrig	Irrigation system for catfish production, powered by electricity
Catf irrig (d)	Irrigation system for catfish production, powered by diesel
Catf pond&equip 6x10	Pond and equipment for catfish production assuming six 10-acre ponds
Crawf irrig double	Irrigation system for rice-crawfish double crop production in Southwest Louisiana
Crawf irrig north LA	Irrigation system for crawfish production in North Louisiana
Crawf irrig single	Irrigation system for single-crop crawfish production in Southwest Louisiana
Crawf pond&eq double	Pond and equipment for rice-crawfish double crop production in Southwest Louisiana
Crawf pond&eq north	Pond and equipment for crawfish production in North Louisiana
Crawf pond&eq single	Pond and equipment for single-crop crawfish production in Southwest Louisiana
Custom restk catfish	Custom restocking of catfish
Self-Propelled Eq	Pickup truck
10Hp aerator-10	10 horsepower aerator, powered by electricity
10Hp aerator-10(d)	10 horsepower aerator, powered by diesel