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**2005  
Projected  
Commodity  
Costs  
And  
Returns**

**Crawfish and Catfish  
Production in Louisiana**

**Robert W. Boucher and Jeffrey M. Gillespie**



**Farm Management Research & Extension  
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PROJECTED COSTS AND RETURNS FOR CRAWFISH  
AND CATFISH PRODUCTION  
IN LOUISIANA, 2005

by

Robert W. Boucher and Jeffrey M. Gillespie



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# PROJECTED COSTS AND RETURNS FOR CRAWFISH AND CATFISH PRODUCTION IN LOUISIANA, 2005

by

Robert W. Boucher and Jeffrey M. Gillespie<sup>1</sup>

## INTRODUCTION

Aquaculture production enterprises, like other farm enterprises, require advanced planning to make production and marketing management decisions that are likely to result in profit. The purpose of this report is to provide production cost estimates for selected aquaculture enterprises to assist producers in making 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 Microcomputer Enterprise Budget Generator developed at Mississippi State University. 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 1990 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 in a fallow rotation (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, recent studies have shown that, with the use of 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.

## 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. A Summary of Projected Costs and Returns per Acre for Crawfish and Crawfish-Rice Production in Louisiana, 2005.

Crop Description	Yield Per Acre	Direct Expenses	Fixed Expenses	Total Expenses
	Pounds	----- Dollars per Acre -----		
<b>Crawfish Enterprises:</b>				
Northeast Louisiana				
Non-aerated, Owner b	600.00	282.49	158.27	440.76
Southwest Louisiana				
Non-aerated, Owner b	1200.00	445.97	167.35	613.32
Crawfish-Rice, Owner a b	700+5700	847.82	203.41	1051.23

a Income for rice was calculated by multiplying the market price of \$7.50 by actual yield.

b Land costs are not included.

c Yield includes 700 lbs of crawfish and 57 cwt of rice.

Table 2. Breakeven Selling Prices for Crawfish for Selected Yield Levels, Louisiana, 2005.

	Total Costs a	Total Variable Costs	Base Yield Level	-20	-10	Yield Level Base	10	20
	--Dollar/Acre---		lb.	----- Dollars/Lb.-----				
<b>PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS</b>								
<b>Crawfish Enterprises:</b>								
Northeast Louisiana								
Non-aerated, Owner	440.76		600	0.92	0.82	0.73	0.67	0.61
Southwest Louisiana								
Non-aerated, Owner	613.32		1200	0.64	0.57	0.51	0.46	0.43
Crawfish-Rice, Owner b	499.96		700	0.89	0.79	0.71	0.65	0.60
<b>PRICES REQUIRED TO RECOVER VARIABLE COSTS</b>								
<b>Crawfish Enterprises:</b>								
Northeast Louisiana								
Non-aerated, Owner		282.49	600	0.59	0.52	0.47	0.43	0.39
Southwest Louisiana								
Non-aerated, Owner		445.97	1200	0.46	0.41	0.37	0.34	0.31
Crawfish-Rice, Owner b		395.04	700	0.70	0.63	0.56	0.51	0.47

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. Summary of Projected Costs and Returns per Acre for Catfish Production, Louisiana, 2005.

Crop Description	Yield Per Acre	Returns		Returns			Total Expenses
		Total Income	Over Direct Expenses	Direct Expenses	Fixed Expenses	Over Total Expenses	
	Cwt.	-----		Dollars per Acre			-----
Catfish Enterprises:							
Six 10 acre ponds, Elec Pwr, Owner a	52.80	3696.00	2823.98	872.02	400.46	3224.44	471.56
Six 10 acre ponds, Diesel Pwr, Owner a	52.80	3696.00	2883.72	812.28	422.75	3306.47	389.53
Six 10 acre ponds, Elec Pwr, Tenant b	52.80	3696.00	3093.77	602.23	149.75	3243.52	452.48
Six 10 acre ponds, Diesel Pwr, Tenant b	52.80	3696.00	3150.23	545.77	149.75	3299.98	396.02

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, 2005.

	Total Costs	Total Variable Costs	Base Yield Level	Yield Level			10	20
				-20	-10	Base		
	---Dollar/Acre---		cwt.	-----			Dollars/Cwt.	-----
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS								
Six 10 acre ponds, Elec Pwr, Owner a	3224.44		52.8	76.34	67.85	61.07	55.52	50.89
Six 10 acre ponds, Diesel Pwr, Owner a	3306.47		52.8	78.28	69.58	62.62	56.93	52.19
Six 10 acre ponds, Elec Pwr, Tenant b	3243.52		52.8	76.79	68.26	61.43	55.85	51.19
Six 10 acre ponds, Diesel Pwr, Tenant b	3299.98		52.8	78.12	69.44	62.50	56.82	52.08
PRICES REQUIRED TO RECOVER VARIABLE COSTS								
Six 10 acre ponds, Elec Pwr, Owner a		2823.98	52.8	66.85	59.43	53.48	48.62	44.57
Six 10 acre ponds, Diesel Pwr, Owner a		2883.72	52.8	68.27	60.68	54.62	49.65	45.51
Six 10 acre ponds, Elec Pwr, Tenant b		3093.77	52.8	73.24	65.10	58.59	53.27	48.83
Six 10 acre ponds, Diesel Pwr, Tenant b		3150.23	52.8	74.58	66.29	59.66	54.24	49.72

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-Operator, North Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Crawfish (March)	lbs		60.0000		_____
Crawfish (April)	lbs		210.0000		_____
Crawfish (May)	lbs		240.0000		_____
Crawfish (June)	lbs		90.0000		_____
				-----	
<b>TOTAL INCOME</b>					_____
<b>DIRECT EXPENSES</b>					
<b>BAIT</b>					
Manuf. crawfish bait	lbs	0.18	330.0000	59.40	_____
<b>FERTILIZER</b>					
Nitrogen	lbs	0.30	51.0000	15.30	_____
Phosphate	lbs	0.26	51.0000	13.26	_____
Potash	lbs	0.15	51.0000	7.65	_____
<b>HIRED LABOR</b>					
Irrigation labor	hour	9.60	1.5000	14.40	_____
<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	0.21	100.0000	21.00	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.60	0.5033	4.83	_____
Self-propelled eq.	hour	9.60	7.2600	69.69	_____
<b>IRRIGATION LABOR</b>					
Crawf irrig north LA	hour	9.60	0.2400	2.30	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.45	2.7909	4.04	_____
Crawf irrig north LA	gal	1.45	16.0320	23.24	_____
<b>GASOLINE</b>					
Self-propelled eq.	gal	1.78	1.9800	3.52	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements		2.40	1.0000	2.40	_____
Tractors		0.80	1.0000	0.80	_____
Self-propelled eq.		1.58	1.0000	1.58	_____
Crawf irrig north LA	acin	0.35	24.0000	8.54	_____
Crawf pond&eq north	acre	11.58	1.0000	11.58	_____
INTEREST ON OP. CAP.		12.26	1.0000	12.26	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				282.49	_____
<b>FIXED EXPENSES</b>					
Implements		5.30	1.0000	5.30	_____
Tractors		5.31	1.0000	5.31	_____
Self-propelled eq.		5.19	1.0000	5.19	_____
Crawf irrig north LA		16.68	1.0000	16.68	_____
Crawf pond&eq north		125.78	1.0000	125.78	_____
				-----	
<b>TOTAL FIXED EXPENSES</b>				158.27	_____
<b>TOTAL SPECIFIED EXPENSES</b>				440.77	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead (owner)	acre	87.64	1.0000	87.64	_____
Land ( oppor. cost )	acre	45.00	1.0000	45.00	_____

Table 6.A Estimated Costs and Returns per Acre, Single Crop Crawfish, Owner-Operator, Southwest Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
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		_____
				-----	
TOTAL INCOME					_____
DIRECT EXPENSES					
CUSTOM					
Airplane seed	cwt	5.60	1.4000	7.84	_____
Airplane fert	cwt	4.75	0.7500	3.56	_____
BAIT					
Crawfish bait (fish)	lbs	0.32	225.0000	72.00	_____
Manuf. crawfish bait	lbs	0.18	245.0000	44.10	_____
FERTILIZER					
Urea (45%)	lbs	0.12	75.0000	9.00	_____
HIRED LABOR					
Irrigation labor	hour	9.60	1.8500	17.76	_____
OTHER					
Hip boots	pair	74.95	0.0083	0.62	_____
Sacks	each	0.40	29.1220	11.64	_____
SEED					
Rice seed	lbs	0.21	140.0000	29.40	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.3491	3.35	_____
Self-propelled eq.	hour	9.60	8.1580	78.31	_____
IRRIGATION LABOR					
Crawf irrig single	hour	9.60	0.3960	3.80	_____
DIESEL FUEL					
Tractors	gal	1.45	1.7397	2.52	_____
Self-propelled eq.	gal	1.45	1.0075	1.46	_____
Crawf irrig single	gal	1.45	73.4910	106.56	_____
GASOLINE					
Self-propelled eq.	gal	1.78	2.1150	3.76	_____
REPAIR & MAINTENANCE					
Implements		1.27	1.0000	1.27	_____
Tractors		0.50	1.0000	0.50	_____
Self-propelled eq.		2.82	1.0000	2.82	_____
Crawf irrig single	acin	0.52	33.0000	17.32	_____
Crawf pond&eq single	acre	7.49	1.0000	7.49	_____
INTEREST ON OP. CAP.		20.83	1.0000	20.83	_____
				-----	
TOTAL DIRECT EXPENSES				445.97	_____
FIXED EXPENSES					
Implements		3.04	1.0000	3.04	_____
Tractors		3.30	1.0000	3.30	_____
Self-propelled eq.		8.35	1.0000	8.35	_____
Crawf irrig single		34.59	1.0000	34.59	_____
Crawf pond&eq single		118.06	1.0000	118.06	_____
				-----	
TOTAL FIXED EXPENSES				167.35	_____
				-----	
TOTAL SPECIFIED EXPENSES				613.33	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	87.64	1.0000	87.64	_____
Land ( oppor. cost )	acre	45.00	1.0000	45.00	_____

Table 7.A Estimated Costs and Returns per Acre, Rice-Crawfish  
 Double Crop, Owner-Operator, Southwest Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Rice	cwt	7.50	57.0000	427.50	_____
Rice Checkoff	cwt	0.08	-57.0000	-4.56	_____
Crawfish (January)	lbs		21.0000		_____
Crawfish (February)	lbs		56.0000		_____
Crawfish (March)	lbs		126.0000		_____
Crawfish (April)	lbs		210.0000		_____
Crawfish (May)	lbs		196.0000		_____
Crawfish (June)	lbs		88.0000		_____
				-----	
TOTAL INCOME				422.94	_____
<b>DIRECT EXPENSES</b>					
<b>CUSTOM</b>					
Airplane fert	cwt	4.75	3.8000	18.05	_____
Global pos. system	acre	0.35	9.0000	3.15	_____
Airplane seed	cwt	5.60	1.2000	6.72	_____
App by air	appl	4.00	5.0000	20.00	_____
Drying rice	cwt	0.90	63.8000	57.42	_____
Haul rice	cwt	0.25	57.0000	14.25	_____
<b>BAIT</b>					
Crawfish bait (fish)	lbs	0.32	84.3750	27.00	_____
Manuf. crawfish bait	lbs	0.18	226.8750	40.83	_____
<b>FERTILIZER</b>					
Nitrogen	lbs	0.30	130.0000	39.00	_____
Phosphate	lbs	0.26	40.0000	10.40	_____
Potash	lbs	0.15	60.0000	9.00	_____
<b>FUNGICIDES</b>					
Quadris	oz	2.12	10.0000	21.20	_____
<b>HERBICIDES</b>					
Facet 75DF	lb	49.51	0.5000	24.75	_____
Londax 6ODF	oz	14.95	1.0000	14.95	_____
2,4-D Amine 4	pt	1.64	2.5000	4.10	_____
<b>HIRED LABOR</b>					
Other labor	hour	9.60	0.0500	0.48	_____
Irrigation labor	hour	9.60	2.0000	19.20	_____
<b>INSECTICIDES</b>					
Karate Z	oz	2.88	4.0000	11.52	_____
<b>OTHER</b>					
Rice gate	each	2.50	1.0000	2.50	_____
Seed crawfish	lbs	0.80	60.0000	48.00	_____
Hip boots	pair	74.95	1.0000	74.95	_____
Sacks	each	0.40	31.2900	12.51	_____
<b>SEED</b>					
Rice seed	lbs	0.21	120.0000	25.20	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.60	1.3496	12.95	_____
Self-propelled eq.	hour	9.60	7.2415	69.51	_____
<b>IRRIGATION LABOR</b>					
Crawf irrig double	hour	9.60	0.2580	2.47	_____
Irrigation system 1	hour	9.60	0.3000	2.88	_____
<b>OWNER LABOR</b>					
Self-propelled eq.	hour	15.30	0.3303	5.05	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.45	16.1010	23.34	_____
Self-propelled eq.	gal	1.45	3.5675	5.17	_____
Crawf irrig double	gal	1.45	47.8805	69.42	_____
Irrigation system 1	gal	1.45	53.9700	78.25	_____
<b>GASOLINE</b>					
Self-propelled eq.	gal	1.78	1.8675	3.32	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements		3.91	1.0000	3.91	_____
Tractors		4.83	1.0000	4.83	_____
Self-propelled eq.		15.81	1.0000	15.81	_____
Crawf irrig double	acin	0.29	21.5000	6.40	_____
Crawf pond&eq double	acre	1.06	1.0000	1.06	_____
Irrigation system 1	acre	3.75	1.0000	3.75	_____
INTEREST ON OP. CAP.		34.43	1.0000	34.43	_____
				-----	
TOTAL DIRECT EXPENSES				847.82	_____
<b>FIXED EXPENSES</b>					
Implements		9.74	1.0000	9.74	_____
Tractors		32.75	1.0000	32.75	_____
Self-propelled eq.		29.27	1.0000	29.27	_____
Crawf irrig double		34.59	1.0000	34.59	_____
Crawf pond&eq double		58.09	1.0000	58.09	_____
Irrigation system 1		38.96	1.0000	38.96	_____
				-----	
TOTAL FIXED EXPENSES				203.41	_____
				-----	
TOTAL SPECIFIED EXPENSES				1051.24	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead (owner)	acre	87.64	1.0000	87.64	_____

Table 8.A Estimated Costs and Returns per Acre, Catfish,  
Owner-Operator, 10 Acre Ponds, Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Catfish	cwt	70.00	4.8000	336.00	_____
Catfish	cwt	70.00	10.0000	700.00	_____
Catfish	cwt	70.00	9.5000	665.00	_____
Catfish	cwt	70.00	6.9000	483.00	_____
Catfish	cwt	70.00	10.0000	700.00	_____
Catfish	cwt	70.00	11.6000	812.00	_____
				-----	
TOTAL INCOME				3696.00	_____
<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	240.00	4.7260	1134.24	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
<b>HERBICIDES</b>					
Spring chemicals	lbs	0.60	18.0000	10.80	_____
Fall chemicals	lbs	1.90	8.8200	16.75	_____
<b>HIRED LABOR</b>					
Other labor	hour	9.60	20.2000	193.92	_____
<b>OTHER</b>					
Propane	tank	11.00	0.3000	3.30	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	75.00	5.5000	412.50	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.60	1.0920	10.48	_____
Self-propelled eq.	hour	9.60	2.2267	21.37	_____
10Hp aerator-10	hour	9.60	7.4000	71.04	_____
Feeder truck	hour	9.60	1.0000	9.60	_____
<b>IRRIGATION LABOR</b>					
Catf irrig	hour	9.60	0.3330	3.19	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.45	33.3967	48.42	_____
Self-propelled eq.	gal	1.45	5.3750	7.79	_____
<b>ELECTRICITY</b>					
10Hp aerator-10	kWh	0.09	851.0000	76.59	_____
Catf irrig	kWh	0.09	516.9825	46.52	_____
<b>GASOLINE</b>					
Self-propelled eq.	gal	1.78	0.2790	0.49	_____
Feeder truck	gal	1.78	6.0000	10.68	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	7.43	1.0000	7.43	_____
Self-propelled eq.	acre	10.55	1.0000	10.55	_____
10Hp aerator-10	hour	0.02	74.0000	1.77	_____
Feeder truck	ton	4.06	5.0000	20.30	_____
Catf pond&equip 6x10	acre	14.84	1.0000	14.84	_____
Catf irrig	acin	0.13	33.3000	4.56	_____
INTEREST ON OP. CAP.	acre	119.13	1.0000	119.13	_____
				-----	
TOTAL DIRECT EXPENSES				2823.98	_____
RETURNS ABOVE DIRECT EXPENSES				872.01	_____
<b>FIXED EXPENSES</b>					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	49.04	1.0000	49.04	_____
Self-propelled eq.	acre	23.54	1.0000	23.54	_____
10Hp aerator-10	hour	0.44	74.0000	33.15	_____
Feeder truck	acre	52.22	1.0000	52.22	_____
Catf pond&equip 6x10	acre	205.95	1.0000	205.95	_____
Catf irrig	acre	25.59	1.0000	25.59	_____
				-----	
TOTAL FIXED EXPENSES				400.46	_____
				-----	
TOTAL SPECIFIED EXPENSES				3224.45	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				471.54	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead-owner pond	acre	105.17	1.0000	105.17	_____
RESIDUAL RETURNS				366.37	_____

Table 9.A Estimated Costs and Returns per Acre, Catfish,  
Owner-Operator, 10 Acre Ponds with Generator,  
Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Catfish	cwt	70.00	4.8000	336.00	_____
Catfish	cwt	70.00	10.0000	700.00	_____
Catfish	cwt	70.00	9.5000	665.00	_____
Catfish	cwt	70.00	6.9000	483.00	_____
Catfish	cwt	70.00	10.0000	700.00	_____
Catfish	cwt	70.00	11.6000	812.00	_____
				-----	
<b>TOTAL INCOME</b>				<b>3696.00</b>	_____
<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	240.00	4.7260	1134.24	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
<b>HERBICIDES</b>					
Spring chemicals	lbs	0.60	18.0000	10.80	_____
Fall chemicals	lbs	1.90	8.8200	16.75	_____
<b>HIRED LABOR</b>					
Other labor	hour	9.60	20.2000	193.92	_____
<b>OTHER</b>					
Propane	tank	11.00	0.3000	3.30	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	75.00	5.5000	412.50	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.60	1.0920	10.48	_____
Self-propelled eq.	hour	9.60	2.2267	21.37	_____
10Hp aerator-10(d)	hour	9.60	7.4000	71.04	_____
Feeder truck	hour	9.60	1.0000	9.60	_____
<b>IRRIGATION LABOR</b>					
Catf irrig (d)	hour	9.60	0.3330	3.19	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.45	33.3967	48.42	_____
Self-propelled eq.	gal	1.45	5.3750	7.79	_____
10Hp aerator-10(d)	gal	1.45	85.1000	123.39	_____
Catf irrig (d)	gal	1.45	36.0372	52.25	_____
<b>GASOLINE</b>					
Self-propelled eq.	gal	1.78	0.2790	0.49	_____
Feeder truck	gal	1.78	6.0000	10.68	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	7.43	1.0000	7.43	_____
Self-propelled eq.	acre	10.55	1.0000	10.55	_____
10Hp aerator-10(d)	hour	0.44	74.0000	33.15	_____
Feeder truck	ton	4.06	5.0000	20.30	_____
Catf pond&equip 6x10	acre	14.84	1.0000	14.84	_____
Catf irrig (d)	acin	0.27	33.3000	9.25	_____
INTEREST ON OP. CAP.	acre	121.64	1.0000	121.64	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				<b>2883.72</b>	_____
<b>RETURNS ABOVE DIRECT EXPENSES</b>				<b>812.27</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	49.04	1.0000	49.04	_____
Self-propelled eq.	acre	23.54	1.0000	23.54	_____
10Hp aerator-10(d)	hour	0.44	74.0000	33.15	_____
Feeder truck	acre	52.22	1.0000	52.22	_____
Catf pond&equip 6x10	acre	205.95	1.0000	205.95	_____
Catf irrig (d)	acre	47.88	1.0000	47.88	_____
				-----	
<b>TOTAL FIXED EXPENSES</b>				<b>422.75</b>	_____
<b>TOTAL SPECIFIED EXPENSES</b>				<b>3306.47</b>	_____
<b>RETURNS ABOVE TOTAL SPECIFIED EXPENSES</b>				<b>389.52</b>	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead-owner pond	acre	105.17	1.0000	105.17	_____
<b>RESIDUAL RETURNS</b>				<b>284.35</b>	_____

Table 10.A Estimated Costs and Returns per Acre, Catfish,  
 Tenant-Operator, 10 Acre Ponds, Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Catfish	cwt	70.00	4.8000	336.00	_____
Catfish	cwt	70.00	10.0000	700.00	_____
Catfish	cwt	70.00	9.5000	665.00	_____
Catfish	cwt	70.00	6.9000	483.00	_____
Catfish	cwt	70.00	10.0000	700.00	_____
Catfish	cwt	70.00	11.6000	812.00	_____
				-----	
<b>TOTAL INCOME</b>				<b>3696.00</b>	_____
<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	240.00	4.7260	1134.24	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
<b>HERBICIDES</b>					
Spring chemicals	lbs	0.60	18.0000	10.80	_____
Fall chemicals	lbs	1.90	8.8200	16.75	_____
<b>HIRED LABOR</b>					
Other labor	hour	9.60	20.2000	193.92	_____
<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	75.00	5.5000	412.50	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.60	1.0920	10.48	_____
Self-propelled eq.	hour	9.60	2.2267	21.37	_____
Feeder truck	hour	9.60	1.0000	9.60	_____
10Hp aerator-10(r)	hour	9.60	7.4000	71.04	_____
<b>IRRIGATION LABOR</b>					
Catf irrig (r)	hour	9.60	0.3330	3.19	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.45	33.3967	48.42	_____
Self-propelled eq.	gal	1.45	5.3750	7.79	_____
<b>ELECTRICITY</b>					
Catf irrig (r)	kWh	0.09	516.9825	46.52	_____
10Hp aerator-10(r)	kWh	0.09	851.0000	76.59	_____
<b>GASOLINE</b>					
Self-propelled eq.	gal	1.78	0.2790	0.49	_____
Feeder truck	gal	1.78	6.0000	10.68	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	7.43	1.0000	7.43	_____
Self-propelled eq.	acre	10.55	1.0000	10.55	_____
Catf irrig (r)	acin	0.05	33.3000	1.96	_____
Catf pond&eq 6x10(r)	acre	14.84	1.0000	14.84	_____
Feeder truck	ton	4.06	5.0000	20.30	_____
10Hp aerator-10(r)	hour	0.02	74.0000	1.77	_____
INTEREST ON OP. CAP.	acre	141.51	1.0000	141.51	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				<b>3093.77</b>	_____
<b>RETURNS ABOVE DIRECT EXPENSES</b>				<b>602.22</b>	_____
<b>FIXED EXPENSES</b>					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	49.04	1.0000	49.04	_____
Self-propelled eq.	acre	23.54	1.0000	23.54	_____
Catf pond&eq 6x10(r)	acre	13.98	1.0000	13.98	_____
Feeder truck	acre	52.22	1.0000	52.22	_____
				-----	
<b>TOTAL FIXED EXPENSES</b>				<b>149.75</b>	_____
				-----	
<b>TOTAL SPECIFIED EXPENSES</b>				<b>3243.52</b>	_____
<b>RETURNS ABOVE TOTAL SPECIFIED EXPENSES</b>				<b>452.47</b>	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead-tenant pond	acre	90.65	1.0000	90.65	_____
<b>RESIDUAL RETURNS</b>				<b>361.82</b>	_____

Table 11.A Estimated Costs and Returns per Acre, Catfish,  
 Tenant-Operator, 10 Acre Ponds with Generator,  
 Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>INCOME</b>					
Catfish	cwt	70.00	4.8000	336.00	_____
Catfish	cwt	70.00	10.0000	700.00	_____
Catfish	cwt	70.00	9.5000	665.00	_____
Catfish	cwt	70.00	6.9000	483.00	_____
Catfish	cwt	70.00	10.0000	700.00	_____
Catfish	cwt	70.00	11.6000	812.00	_____
TOTAL INCOME				3696.00	_____
<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	240.00	4.7260	1134.24	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
<b>HERBICIDES</b>					
Spring chemicals	lbs	0.60	18.0000	10.80	_____
Fall chemicals	lbs	1.90	8.8200	16.75	_____
<b>HIRED LABOR</b>					
Other labor	hour	9.60	20.2000	193.92	_____
<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	75.00	5.5000	412.50	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.60	1.0920	10.48	_____
Self-propelled eq.	hour	9.60	2.2267	21.37	_____
Feeder truck	hour	9.60	1.0000	9.60	_____
10Hp aerator-10(d,r)	hour	9.60	7.4000	71.04	_____
<b>IRRIGATION LABOR</b>					
Catf irrig (d,r)	hour	9.60	0.3330	3.19	_____
<b>DIESEL FUEL</b>					
Tractors	gal	1.45	33.3967	48.42	_____
Self-propelled eq.	gal	1.45	5.3750	7.79	_____
Catf irrig (d,r)	gal	1.45	36.0372	52.25	_____
10Hp aerator-10(d,r)	gal	1.45	85.1000	123.39	_____
<b>GASOLINE</b>					
Self-propelled eq.	gal	1.78	0.2790	0.49	_____
Feeder truck	gal	1.78	6.0000	10.68	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	7.43	1.0000	7.43	_____
Self-propelled eq.	acre	10.55	1.0000	10.55	_____
Catf pond&eq 6x10(r)	acre	14.84	1.0000	14.84	_____
Feeder truck	ton	4.06	5.0000	20.30	_____
Catf irrig (d,r)	acin	0.10	33.3000	3.52	_____
10Hp aerator-10(d,r)	hour	0.02	74.0000	1.77	_____
INTEREST ON OP. CAP.	acre	143.88	1.0000	143.88	_____
TOTAL DIRECT EXPENSES				3150.23	_____
RETURNS ABOVE DIRECT EXPENSES				545.76	_____
<b>FIXED EXPENSES</b>					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	49.04	1.0000	49.04	_____
Self-propelled eq.	acre	23.54	1.0000	23.54	_____
Catf pond&eq 6x10(r)	acre	13.98	1.0000	13.98	_____
Feeder truck	acre	52.22	1.0000	52.22	_____
TOTAL FIXED EXPENSES				149.75	_____
TOTAL SPECIFIED EXPENSES				3299.98	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				396.01	_____
<b>ALLOCATED COST ITEMS</b>					
Overhead-tenant pond	acre	90.65	1.0000	90.65	_____
RESIDUAL RETURNS				305.36	_____

Table 5.B Estimated Resource Use and Costs for Field Operations per Acre, Single Crop Crawfish, Owner-Operators, North Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Crawf pond&eq north	acre			1.00	Jul			11.58	125.78			1.0000			137.36
Disk	24 ft	150	0.081	2.00	Jul	2.22	2.61	1.13	2.64	0.163	1.57				10.19
Fertilizer buggy	30 ft	105	0.060	1.00	Jul	0.54	0.50	0.22	0.34	0.060	0.57				2.19
Nitrogen	lbs											51.0000	0.30	15.30	15.30
Phosphate	lbs											51.0000	0.26	13.26	13.26
Potash	lbs											51.0000	0.15	7.65	7.65
Rotary mower-levees	6.7 ft	50	0.500	0.05	Jul	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Grain drill	20 ft	150	0.094	1.00	Jul	1.28	1.50	0.90	1.91	0.094	0.90				6.51
Rice seed	lbs											100.0000	0.21	21.00	21.00
Rotary mower-levees	6.7 ft	50	0.500	0.05	Aug	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Rotary mower-levees	6.7 ft	50	0.500	0.05	Sep	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawf irrig north LA	acin			1.00	Oct			7.94	16.68	0.060	0.57	6.0000			25.20
Hip boots	pair											0.0083	74.95	0.62	0.62
Irrigation labor	hour											0.5000	9.60	4.80	4.80
Rotary mower-levees	6.7 ft	50	0.500	0.05	Oct	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawf irrig north LA	acin			1.00	Nov			7.94		0.060	0.57	6.0000			8.52
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawf irrig north LA	acin			1.00	Dec			2.64		0.020	0.19	2.0000			2.84
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawf irrig north LA	acin			1.00	Jan			1.32		0.010	0.09	1.0000			1.42
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawf irrig north LA	acin			1.00	Feb			3.97		0.030	0.28	3.0000			4.26
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawfish combine	12 hp		0.075	26.00	Mar			1.51	1.53	2.145	20.59				23.63
Manuf. crawfish bait	lbs											97.5000	0.18	17.55	17.55
Sacks	each											1.5080	0.40	0.60	0.60
Crawf irrig north LA	acin			1.00	Mar			1.32		0.010	0.09	1.0000			1.42
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawfish combine	12 hp		0.075	24.00	Apr			1.39	1.41	1.980	19.00				21.81
Manuf. crawfish bait	lbs											90.0000	0.18	16.20	16.20
Sacks	each											5.2560	0.40	2.10	2.10
Crawf irrig north LA	acin			1.00	Apr			1.32		0.010	0.09	1.0000			1.42
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Rotary mower-levees	6.7 ft	50	0.500	0.05	Apr	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawfish combine	12 hp		0.075	26.00	May			1.51	1.53	2.145	20.59				23.63
Manuf. crawfish bait	lbs											97.5000	0.18	17.55	17.55
Sacks	each											6.0060	0.40	2.40	2.40
Crawf irrig north LA	acin			1.00	May			2.64		0.020	0.19	2.0000			2.84
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Rotary mower-levees	6.7 ft	50	0.500	0.05	May	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawfish combine	12 hp		0.075	12.00	Jun			0.69	0.70	0.990	9.50				10.90
Manuf. crawfish bait	lbs											45.0000	0.18	8.10	8.10
Sacks	each											2.2560	0.40	0.90	0.90
Crawf irrig north LA	acin			1.00	Jun			2.64		0.020	0.19	2.0000			2.84
Irrigation labor	hour											0.3000	9.60	2.88	2.88
Rotary mower-levees	6.7 ft	50	0.500	0.05	Jun	0.11	0.09	0.01	0.05	0.026	0.25				0.54
TOTALS						4.85	5.31	50.89	152.96	8.003	76.83			137.64	428.50
INTEREST ON OPERATING CAPITAL															12.26
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															440.77

Table 6.B Estimated Resource Use and Costs for Field Operations per Acre, Single Crop Crawfish, Owner-Operators, Southwest Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Crawf pond&eq single acre				1.00	Jul			7.49	118.06			1.0000			125.55
Disk	24 ft	150	0.081	2.00	Jul	2.22	2.61	1.13	2.64	0.163	1.57				10.19
Crawf irrig single	acin			1.00	Jul			5.63	34.59	0.018	0.17	1.5000			40.39
Irrigation labor	hour											0.2500	9.60	2.40	2.40
Airplane seed	cwt			1.00	Jul							1.4000	5.60	7.84	7.84
Rice seed	lbs											140.0000	0.21	29.40	29.40
Rotary mower-levees	6.7 ft	50	0.500	0.05	Jul	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Airplane fert	cwt			1.00	Jul							0.7500	4.75	3.56	3.56
Urea (45%)	lbs											75.0000	0.12	9.00	9.00
Crawf irrig single	acin			1.00	Aug			5.63		0.018	0.17	1.5000			5.80
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Rotary mower-levees	6.7 ft	50	0.500	0.05	Aug	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawf irrig single	acin			1.00	Sep			5.63		0.018	0.17	1.5000			5.80
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Rotary mower-levees	6.7 ft	50	0.500	0.05	Sep	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawf irrig single	acin			1.00	Oct			45.04		0.144	1.38	12.0000			46.43
Hip boots	pair											0.0083	74.95	0.62	0.62
Irrigation labor	hour											0.5000	9.60	4.80	4.80
Rotary mower-levees	6.7 ft	50	0.500	0.05	Oct	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawf irrig single	acin			1.00	Nov			15.01		0.048	0.46	4.0000			15.47
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawfish combine	12 hp		0.075	10.00	Dec			0.58	0.59	0.825	7.92				9.09
Crawfish bait (fish)	lbs											50.0000	0.32	16.00	16.00
Sacks	each											1.3300	0.40	0.53	0.53
Crawf irrig single	acin			1.00	Dec			9.38		0.030	0.28	2.5000			9.67
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Pickup truck	1/2 ton		1.000	0.04	Dec			0.27	0.29	0.043	0.41				0.98
Crawfish combine	12 hp		0.075	13.00	Jan			0.75	0.76	1.072	10.29				11.81
Crawfish bait (fish)	lbs											65.0000	0.32	20.80	20.80
Sacks	each											3.0030	0.40	1.20	1.20
Crawf irrig single	acin			1.00	Jan			7.50		0.024	0.23	2.0000			7.73
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Pickup truck	1/2 ton		1.000	0.05	Jan			0.36	0.38	0.056	0.53				1.28
Crawfish combine	12 hp		0.075	12.00	Feb			0.69	0.70	0.990	9.50				10.90
Crawfish bait (fish)	lbs											60.0000	0.32	19.20	19.20
Sacks	each											4.5000	0.40	1.80	1.80
Crawf irrig single	acin			1.00	Feb			7.50		0.024	0.23	2.0000			7.73
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Pickup truck	1/2 ton		1.000	0.05	Feb			0.32	0.35	0.051	0.48				1.17
Crawfish combine	12 hp		0.075	20.00	Mar			1.16	1.18	1.650	15.84				18.18
Manuf. crawfish bait	lbs											50.0000	0.18	9.00	9.00
Crawfish bait (fish)	lbs											50.0000	0.32	16.00	16.00
Sacks	each											5.3400	0.40	2.13	2.13
Crawf irrig single	acin			1.00	Mar			7.50		0.024	0.23	2.0000			7.73
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Pickup truck	1/2 ton		1.000	0.08	Mar			0.55	0.59	0.086	0.82				1.97
Crawfish combine	12 hp		0.075	21.00	Apr			1.21	1.24	1.732	16.63				19.09
Manuf. crawfish bait	lbs											105.0000	0.18	18.90	18.90
Sacks	each											9.0090	0.40	3.60	3.60
Crawf irrig single	acin			1.00	Apr			7.50		0.024	0.23	2.0000			7.73
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Pickup truck	1/2 ton		1.000	0.09	Apr			0.57	0.62	0.090	0.86				2.06
Rotary mower-levees	6.7 ft	50	0.500	0.05	Apr	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawfish combine	12 hp		0.075	18.00	May			1.04	1.06	1.485	14.25				16.36
Manuf. crawfish bait	lbs											90.0000	0.18	16.20	16.20
Sacks	each											5.9400	0.40	2.37	2.37
Crawf irrig single	acin			1.00	May			7.50		0.024	0.23	2.0000			7.73
Irrigation labor	hour											0.3000	9.60	2.88	2.88
Pickup truck	1/2 ton		1.000	0.07	May			0.49	0.53	0.077	0.73				1.77
Rotary mower-levees	6.7 ft	50	0.500	0.05	May	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Rotary mower-levees	6.7 ft	50	0.500	0.05	Jun	0.11	0.09	0.01	0.05	0.026	0.25				0.54
TOTALS								3.02	3.30	140.71	164.05	8.903	85.46	195.93	592.49
INTEREST ON OPERATING CAPITAL															20.83
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															613.33

Table 7.B Estimated Resource Use and Costs for Field Operations per Acre, Rice-Crawfish Double Crop, Owner-Operators, Southwest Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES		MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER		DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Disk	32'	300	0.061	3.00	Sep	4.91	5.43	1.54	3.57	0.184	1.76				17.24
Disk	32'	300	0.061	1.00	Oct	1.63	1.81	0.51	1.19	0.061	0.58				5.74
Disk	32'	300	0.061	1.00	Nov	1.63	1.81	0.51	1.19	0.061	0.58				5.74
Levee plow	8 Ft	300	0.050	2.00	Nov	2.66	2.95	0.15	0.40	0.100	0.96				7.13
Blade-Scraper	10'	150 MFWD	1.176	0.09	Nov	1.47	1.93	0.00	0.07	0.105	1.01				4.49
Ditcher rotary	1.5 ft	150 MFWD	0.020	1.00	Nov	0.27	0.36	0.04	0.06	0.020	0.19				0.94
Field cultivator	32'	300	0.046	1.00	Feb	1.24	1.37	0.25	1.17	0.046	0.44				4.49
Airplane fert	cwt			1.00	Feb							1.5000	4.75	7.12	7.12
Nitrogen	lbs											70.0000	0.30	21.00	21.00
Global pos. system	acre											1.0000	0.35	0.35	0.35
Airplane fert	cwt			1.00	Feb							1.0000	4.75	4.75	4.75
Phosphate	lbs											40.0000	0.26	10.40	10.40
Potash	lbs											60.0000	0.15	9.00	9.00
Global pos. system	acre											1.0000	0.35	0.35	0.35
Ditcher rotary	1.5 ft	150 MFWD	0.020	1.00	Feb	0.27	0.36	0.04	0.06	0.020	0.19				0.94
Blade-Scraper	10'	150 MFWD	1.176	0.09	Feb	1.47	1.93	0.00	0.07	0.105	1.01				4.49
Rice gate	each			1.00	Feb							1.0000	2.50	2.50	2.50
Backhoe		150 MFWD	0.500	0.05	Feb	0.34	0.45	0.13	0.19	0.025	0.24				1.37
Water level	24 Ft	300	0.149	2.00	Feb	8.00	8.85	0.46	1.06	0.299	2.87				21.26
Irrigation system 1	acre			1.00	Mar							1.0000			123.84
Airplane seed	cwt			1.00	Apr							1.2000	5.60	6.72	6.72
Rice seed	lbs											120.0000	0.21	25.20	25.20
Global pos. system	acre											1.0000	0.35	0.35	0.35
App by air	appl			1.00	Apr							1.0000	4.00	4.00	4.00
Karate Z	oz											2.0000	2.88	5.76	5.76
Global pos. system	acre											1.0000	0.35	0.35	0.35
App by air	appl			1.00	Apr							1.0000	4.00	4.00	4.00
Facet 75DF	lb											0.5000	49.51	24.75	24.75
Londax 60DF	oz											1.0000	14.95	14.95	14.95
Global pos. system	acre											1.0000	0.35	0.35	0.35
App by air	appl			1.00	Jun							1.0000	4.00	4.00	4.00
2,4-D Amine 4	pt											2.5000	1.64	4.10	4.10
Global pos. system	acre											1.0000	0.35	0.35	0.35
Airplane fert	cwt			1.00	Jun							1.3000	4.75	6.17	6.17
Nitrogen	lbs											60.0000	0.30	18.00	18.00
Global pos. system	acre											1.0000	0.35	0.35	0.35
App by air	appl			1.00	Jun							1.0000	4.00	4.00	4.00
Quadris	oz											10.0000	2.12	21.20	21.20
Global pos. system	acre											1.0000	0.35	0.35	0.35
Seed crawfish	lbs			1.00	Jun							60.0000	0.80	48.00	48.00
Other labor	hour											0.0500	9.60	0.48	0.48
App by air	appl			1.00	Jul							1.0000	4.00	4.00	4.00
Karate Z	oz											2.0000	2.88	5.76	5.76
Global pos. system	acre											1.0000	0.35	0.35	0.35
Combine Rice	25 Ft		0.300	1.00	Aug			16.95	21.63	0.330	5.05				43.65
Grain cart	500 bu	150 MFWD	0.288	0.20	Aug	0.80	1.05	0.23	0.45	0.057	0.55				3.10
Drying rice	cwt			1.00	Aug							63.8000	0.90	57.42	57.42
Haul rice	cwt			1.00	Aug							57.0000	0.25	14.25	14.25
Blade-Scraper	10'	150 MFWD	1.176	0.20	Aug	3.28	4.29	0.00	0.15	0.235	2.25				9.99
Crawf irrig double	acin			1.00	Oct			21.16	34.59	0.072	0.69	6.0000			56.44
Hip boots	pair											1.0000	74.95	74.95	74.95
Irrigation labor	hour											0.6000	9.60	5.76	5.76
Rotary mower-levees	6.7 ft	50	0.500	0.05	Oct	0.11	0.09	0.01	0.05	0.026	0.25				0.54
Crawf irrig double	acin			1.00	Nov			14.10		0.048	0.46	4.0000			14.56
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Crawf irrig double	acin			1.00	Dec			7.05		0.024	0.23	2.0000			7.28
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Crawfish combine	12 hp		0.075	5.00	Jan			0.29	0.29	0.412	3.96				4.54
Crawfish bait (fish)	lbs											18.7500	0.32	6.00	6.00
Sacks	each											0.9000	0.40	0.36	0.36
Crawf irrig double	acin			1.00	Jan			5.29		0.018	0.17	1.5000			5.46
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Pickup truck	1/2 ton		1.000	0.05	Jan			0.36	0.38	0.056	0.53				1.28
Crawf pond&eq double	acre			1.00	Jan			1.06	58.09			1.0000			59.15
Crawfish combine	12 hp		0.075	10.00	Feb			0.58	0.59	0.825	7.92				9.09
Crawfish bait (fish)	lbs											37.5000	0.32	12.00	12.00
Sacks	each											3.7000	0.40	1.48	1.48
Crawf irrig double	acin			1.00	Feb			7.05		0.024	0.23	2.0000			7.28
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Pickup truck	1/2 ton		1.000	0.05	Feb			0.32	0.35	0.051	0.48				1.17
Crawfish combine	12 hp		0.075	15.00	Mar			0.87	0.88	1.237	11.88				13.63
Manuf. crawfish bait	lbs											28.1250	0.18	5.06	5.06
Crawfish bait (fish)	lbs											28.1250	0.32	9.00	9.00
Sacks	each											3.9000	0.40	1.56	1.56
Crawf irrig double	acin			1.00	Mar			7.05		0.024	0.23	2.0000			7.28
Irrigation labor	hour											0.4000	9.60	3.84	3.84
Pickup truck	1/2 ton		1.000	0.08	Mar			0.55	0.59	0.086	0.82				1.97
Crawfish combine	12 hp		0.075	21.00	Apr			1.21	1.24	1.732	16.63				19.09
Manuf. crawfish bait	lbs											78.7500	0.18	14.17	14.17
Sacks	each											9.0300	0.40	3.61	3.61
Crawf irrig double	acin			1.00	Apr			7.05		0.024	0.23	2.0000			7.28
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Pickup truck	1/2 ton		1.000	0.06	Apr			0.41	0.44	0.064	0.61				1.47
Pickup truck	1/2 ton		1.000	0.05	Apr			0.32	0.35	0.051	0.48				1.17
Crawfish combine	12 hp		0.075	21.00	May			1.21	1.24	1.732	16.63				19.09
Manuf. crawfish bait	lbs											78.7500	0.18	14.17	14.17
Sacks	each											9.0300	0.40	3.61	3.61
Crawf irrig double	acin			1.00	May			7.05		0.024	0.23	2.0000			7.28
Pickup truck	1/2 ton		1.000	0.08	May			0.55	0.59	0.086	0.82				1.97
Crawfish combine	12 hp		0.075	11.00	Jun			0.63	0.64	0.907	8.71				10.00
Manuf. crawfish bait	lbs											41.2500	0.18	7.42	7.42
Sacks	each											4.7300	0.40	1.89	1.89
TOTALS								28.17	32.75	187.13	170.66	9.479	92.88	505.19	1016.81
INTEREST ON OPERATING CAPITAL															34.43
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															1051.24

Table 8.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10 Acre Ponds, Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES		TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE		COST
					-----dollars-----				-----dollars-----						
Catf pond&equip	6x10 acre		1.00		Jan			14.84	205.95			1.0000			220.79
Catf irrig	acin		1.00		Jan			3.22	25.59	0.021	0.20	2.1000			29.01
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92	52.22	0.030	0.28	0.1500			53.43
Catfish feed	ton											0.1500	240.00	36.00	36.00
Catf irrig	acin		1.00		Feb			3.52		0.023	0.22	2.3000			3.74
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
Pickup truck	1/2 ton		1.000	0.42	Feb			2.70	2.91	0.420	4.03				9.65
Catf irrig	acin		1.00		Mar			3.83		0.025	0.24	2.5000			4.07
Other labor	hour											1.0000	9.60	9.60	9.60
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			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Boat, Motor&Trailer	14 ft		0.075	0.75	Mar			4.03	6.93	0.061	0.59				11.56
Spring chemicals	lbs											18.0000	0.60	10.80	10.80
10Hp aerator-10	hour		1.00		Apr			6.35	2.68	0.600	5.76	6.0000			14.80
Other labor	hour											2.1000	9.60	20.16	20.16
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig	acin		1.00		Apr			3.52		0.023	0.22	2.3000			3.74
Feeder truck	ton		1.00		Apr			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.30	Apr			1.96	2.11	0.305	2.92				7.01
Harv & haul catfish	cwt		1.00		Apr							4.8000	5.00	24.00	24.00
Custom restk catfish	thou											0.5000	25.00	12.50	12.50
Fingerlings	thou											0.5000	75.00	37.50	37.50
PTO aerator	hour	68	1.000	1.10	Apr	7.10	6.23	0.16	0.87	0.110	1.05				15.43
10Hp aerator-10	hour		1.00		May			6.35	2.68	0.600	5.76	6.0000			14.80
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig	acin		1.00		May			3.98		0.026	0.24	2.6000			4.23
Feeder truck	ton		1.00		May			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.10	May			0.64	0.69	0.100	0.96				2.29
Harv & haul catfish	cwt		1.00		May							10.0000	5.00	50.00	50.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	75.00	78.75	78.75
Side Mount Mower	6 ft	75	0.500	0.25	May	0.81	0.71	0.36	2.12	0.126	1.20				5.23
PTO aerator	hour	68	1.000	0.60	May	3.87	3.40	0.09	0.47	0.060	0.57				8.42
10Hp aerator-10	hour		1.00		Jun			14.82	6.27	1.400	13.44	14.0000			34.53
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig	acin		1.00		Jun			2.14		0.014	0.13	1.4000			2.28
Feeder truck	ton		1.00		Jun			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.4130	240.00	99.12	99.12
Medicated feed	ton											0.1370	495.00	67.81	67.81
Pickup truck	1/2 ton		1.000	0.15	Jun			0.96	1.04	0.150	1.44				3.44
PTO aerator	hour	68	1.000	1.40	Jun	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10	hour		1.00		Jul			14.82	6.27	1.400	13.44	14.0000			34.53
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig	acin		1.00		Jul			5.98		0.039	0.37	3.9000			6.35
Feeder truck	ton		1.00		Jul			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Jul			0.96	1.04	0.150	1.44				3.44
PTO aerator	hour	68	1.000	1.40	Jul	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10	hour		1.00		Aug			14.82	6.27	1.400	13.44	14.0000			34.53
Other labor	hour											2.1000	9.60	20.16	20.16
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig	acin		1.00		Aug			7.05		0.046	0.44	4.6000			7.49
Feeder truck	ton		1.00		Aug			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.35	Aug			2.28	2.46	0.355	3.40				8.16
Harv & haul catfish	cwt		1.00		Aug							9.5000	5.00	47.50	47.50
Custom restk catfish	thou											0.9800	25.00	24.50	24.50
Fingerlings	thou											0.9800	75.00	73.50	73.50
Side Mount Mower	6 ft	75	0.500	0.25	Aug	0.81	0.71	0.36	2.12	0.126	1.20				5.23

Table 8.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10 Acre Ponds, (CON'T) Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				-----dollars-----						
PTO aerator	hour	68	1.000	1.90	Aug	12.26	10.76	0.28	1.51	0.190	1.82				26.66	
10Hp aerator-10	hour			1.00	Sep			14.82	6.27	1.400	13.44	14.0000			34.53	
Other labor	hour											2.0000	9.60	19.20	19.20	
Water consultant	acre											1.0000	1.75	1.75	1.75	
Catf irrig	acin			1.00	Sep			4.29		0.028	0.26	2.8000			4.56	
Feeder truck	ton			1.00	Sep			3.40		0.110	1.05	0.5500			4.46	
Catfish feed	ton											0.5500	240.00	132.00	132.00	
Pickup truck	1/2 ton		1.000	0.15	Sep			0.96	1.04	0.150	1.44				3.44	
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.00	34.50	34.50	
Custom restk catfish	thou											0.7200	25.00	18.00	18.00	
Fingerlings	thou											0.7200	75.00	54.00	54.00	
PTO aerator	hour	68	1.000	1.40	Sep	9.03	7.93	0.21	1.11	0.140	1.34				19.65	
10Hp aerator-10	hour			1.00	Oct			6.35	2.68	0.600	5.76	6.0000			14.80	
Other labor	hour											3.0000	9.60	28.80	28.80	
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	
Catf irrig	acin			1.00	Oct			7.05		0.046	0.44	4.6000			7.49	
Feeder truck	ton			1.00	Oct			3.40		0.110	1.05	0.5500			4.46	
Catfish feed	ton											0.4130	240.00	99.12	99.12	
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 catfish	thou											1.0500	25.00	26.25	26.25	
Fingerlings	thou											1.0500	75.00	78.75	78.75	
PTO aerator	hour	68	1.000	0.60	Oct	3.87	3.40	0.09	0.47	0.060	0.57				8.42	
Catf irrig	acin			1.00	Nov			3.22		0.021	0.20	2.1000			3.42	
Other labor	hour											1.0000	9.60	9.60	9.60	
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			0.92		0.030	0.28	0.1500			1.21	
Catfish feed	ton											0.1500	240.00	36.00	36.00	
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.96	1.66	0.014	0.14				2.77	
Fall chemicals	lbs											8.8200	1.90	16.75	16.75	
Pickup truck	1/2 ton		1.000	0.52	Nov			3.34	3.61	0.520	4.99				11.95	
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.00	58.00	58.00	
Custom restk catfish	thou											1.2000	25.00	30.00	30.00	
Fingerlings	thou											1.2000	75.00	90.00	90.00	
Catf irrig	acin			1.00	Dec			3.22		0.021	0.20	2.1000			3.42	
Other labor	hour											1.0000	9.60	9.60	9.60	
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			0.92		0.030	0.28	0.1500			1.21	
Catfish feed	ton											0.1500	240.00	36.00	36.00	
TOTALS								55.85	49.04	196.15	351.42	12.051	115.69		2337.14	3105.31
INTEREST ON OPERATING CAPITAL																119.13
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																3224.45

Table 9.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10 Acre Ponds with Generator, Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES		TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE		COST
					-----dollars-----				dollars		-----dollars-----				
Catf pond&equip 6x10	acre		1.00		Jan			14.84	205.95			1.0000			220.79
Catf irrig (d)	acin		1.00		Jan			3.87	47.88	0.021	0.20	2.1000			51.96
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92	52.22	0.030	0.28	0.1500			53.43
Catfish feed	ton											0.1500	240.00	36.00	36.00
Catf irrig (d)	acin		1.00		Feb			4.24		0.023	0.22	2.3000			4.46
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
Pickup truck	1/2 ton		1.000	0.42	Feb			2.70	2.91	0.420	4.03				9.65
Catf irrig (d)	acin		1.00		Mar			4.61		0.025	0.24	2.5000			4.85
Other labor	hour											1.0000	9.60	9.60	9.60
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			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Boat, Motor&Trailer	14 ft		0.075	0.75	Mar			4.03	6.93	0.061	0.59				11.56
Spring chemicals	lbs											18.0000	0.60	10.80	10.80
10Hp aerator-10(d)	hour		1.00		Apr			10.14	2.68	0.600	5.76	6.0000			18.59
Other labor	hour											2.1000	9.60	20.16	20.16
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin		1.00		Apr			4.24		0.023	0.22	2.3000			4.46
Feeder truck	ton		1.00		Apr			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.30	Apr			1.96	2.11	0.305	2.92				7.01
Harv & haul catfish	cwt		1.00		Apr							4.8000	5.00	24.00	24.00
Custom restk catfish	thou											0.5000	25.00	12.50	12.50
Fingerlings	thou											0.5000	75.00	37.50	37.50
PTO aerator	hour	68	1.000	1.10	Apr	7.10	6.23	0.16	0.87	0.110	1.05				15.43
10Hp aerator-10(d)	hour		1.00		May			10.14	2.68	0.600	5.76	6.0000			18.59
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin		1.00		May			4.80		0.026	0.24	2.6000			5.05
Feeder truck	ton		1.00		May			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.10	May			0.64	0.69	0.100	0.96				2.29
Harv & haul catfish	cwt		1.00		May							10.0000	5.00	50.00	50.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	75.00	78.75	78.75
Side Mount Mower	6 ft	75	0.500	0.25	May	0.81	0.71	0.36	2.12	0.126	1.20				5.23
PTO aerator	hour	68	1.000	0.60	May	3.87	3.40	0.09	0.47	0.060	0.57				8.42
10Hp aerator-10(d)	hour		1.00		Jun			23.68	6.27	1.400	13.44	14.0000			43.39
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin		1.00		Jun			2.58		0.014	0.13	1.4000			2.72
Feeder truck	ton		1.00		Jun			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.4130	240.00	99.12	99.12
Medicated feed	ton											0.1370	495.00	67.81	67.81
Pickup truck	1/2 ton		1.000	0.15	Jun			0.96	1.04	0.150	1.44				3.44
PTO aerator	hour	68	1.000	1.40	Jun	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(d)	hour		1.00		Jul			23.68	6.27	1.400	13.44	14.0000			43.39
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin		1.00		Jul			7.20		0.039	0.37	3.9000			7.57
Feeder truck	ton		1.00		Jul			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Jul			0.96	1.04	0.150	1.44				3.44
PTO aerator	hour	68	1.000	1.40	Jul	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(d)	hour		1.00		Aug			23.68	6.27	1.400	13.44	14.0000			43.39
Other labor	hour											2.1000	9.60	20.16	20.16
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin		1.00		Aug			8.49		0.046	0.44	4.6000			8.93
Feeder truck	ton		1.00		Aug			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.35	Aug			2.28	2.46	0.355	3.40				8.16
Harv & haul catfish	cwt		1.00		Aug							9.5000	5.00	47.50	47.50
Custom restk catfish	thou											0.9800	25.00	24.50	24.50
Fingerlings	thou											0.9800	75.00	73.50	73.50
Side Mount Mower	6 ft	75	0.500	0.25	Aug	0.81	0.71	0.36	2.12	0.126	1.20				5.23

Table 9.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10 Acre Ponds with Generator, (CON'T) Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
PTO aerator	hour	68	1.000	1.90	Aug	12.26	10.76	0.28	1.51	0.190	1.82				26.66
10Hp aerator-10(d)	hour			1.00	Sep			23.68	6.27	1.400	13.44	14.0000			43.39
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d)	acin			1.00	Sep			5.17		0.028	0.26	2.8000			5.44
Feeder truck	ton			1.00	Sep			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Sep			0.96	1.04	0.150	1.44				3.44
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.00	34.50	34.50
Custom restk catfish	thou											0.7200	25.00	18.00	18.00
Fingerlings	thou											0.7200	75.00	54.00	54.00
PTO aerator	hour	68	1.000	1.40	Sep	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(d)	hour			1.00	Oct			10.14	2.68	0.600	5.76	6.0000			18.59
Other labor	hour											3.0000	9.60	28.80	28.80
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
Catf irrig (d)	acin			1.00	Oct			8.49		0.046	0.44	4.6000			8.93
Feeder truck	ton			1.00	Oct			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.4130	240.00	99.12	99.12
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 catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	75.00	78.75	78.75
PTO aerator	hour	68	1.000	0.60	Oct	3.87	3.40	0.09	0.47	0.060	0.57				8.42
Catf irrig (d)	acin			1.00	Nov			3.87		0.021	0.20	2.1000			4.08
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.96	1.66	0.014	0.14				2.77
Fall chemicals	lbs											8.8200	1.90	16.75	16.75
Pickup truck	1/2 ton		1.000	0.52	Nov			3.34	3.61	0.520	4.99				11.95
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.00	58.00	58.00
Custom restk catfish	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	75.00	90.00	90.00
Catf irrig (d)	acin			1.00	Dec			3.87		0.021	0.20	2.1000			4.08
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
TOTALS						55.85	49.04	253.37	373.71	12.051	115.69			2337.14	3184.82
INTEREST ON OPERATING CAPITAL															121.64
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3306.47

Table 10.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10 Acre Ponds, Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Catf pond&eq 6x10(r) acre			1.00		Jan			14.84	13.98			1.0000			28.82
Rent (catf electric) acre												1.0000	250.00	250.00	250.00
Catf irrig (r)	acin		1.00		Jan			3.05		0.021	0.20	2.1000			3.25
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92	52.22	0.030	0.28	0.1500			53.43
Catfish feed	ton											0.1500	240.00	36.00	36.00
Catf irrig (r)	acin		1.00		Feb			3.34		0.023	0.22	2.3000			3.57
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
Pickup truck	1/2 ton		1.000	0.42	Feb			2.70	2.91	0.420	4.03				9.65
Catf irrig (r)	acin		1.00		Mar			3.64		0.025	0.24	2.5000			3.88
Other labor	hour											1.0000	9.60	9.60	9.60
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			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Boat, Motor&Trailer	14 ft		0.075	0.75	Mar			4.03	6.93	0.061	0.59				11.56
Spring chemicals	lbs											18.0000	0.60	10.80	10.80
10Hp aerator-10(r)	hour		1.00		Apr			6.35		0.600	5.76	6.0000			12.11
Other labor	hour											2.1000	9.60	20.16	20.16
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (r)	acin		1.00		Apr			3.34		0.023	0.22	2.3000			3.57
Feeder truck	ton		1.00		Apr			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.30	Apr			1.96	2.11	0.305	2.92				7.01
Harv & haul catfish	cwt		1.00		Apr							4.8000	5.00	24.00	24.00
Custom restk catfish	thou											0.5000	25.00	12.50	12.50
Fingerlings	thou											0.5000	75.00	37.50	37.50
PTO aerator	hour	68	1.000	1.10	Apr	7.10	6.23	0.16	0.87	0.110	1.05				15.43
10Hp aerator-10(r)	hour		1.00		May			6.35		0.600	5.76	6.0000			12.11
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (r)	acin		1.00		May			3.78		0.026	0.24	2.6000			4.03
Feeder truck	ton		1.00		May			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.10	May			0.64	0.69	0.100	0.96				2.29
Harv & haul catfish	cwt		1.00		May							10.0000	5.00	50.00	50.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	75.00	78.75	78.75
Side Mount Mower	6 ft	75	0.500	0.25	May	0.81	0.71	0.36	2.12	0.126	1.20				5.23
PTO aerator	hour	68	1.000	0.60	May	3.87	3.40	0.09	0.47	0.060	0.57				8.42
10Hp aerator-10(r)	hour		1.00		Jun			14.82		1.400	13.44	14.0000			28.26
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (r)	acin		1.00		Jun			2.03		0.014	0.13	1.4000			2.17
Feeder truck	ton		1.00		Jun			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.4130	240.00	99.12	99.12
Medicated feed	ton											0.1370	495.00	67.81	67.81
Pickup truck	1/2 ton		1.000	0.15	Jun			0.96	1.04	0.150	1.44				3.44
PTO aerator	hour	68	1.000	1.40	Jun	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(r)	hour		1.00		Jul			14.82		1.400	13.44	14.0000			28.26
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (r)	acin		1.00		Jul			5.67		0.039	0.37	3.9000			6.05
Feeder truck	ton		1.00		Jul			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Jul			0.96	1.04	0.150	1.44				3.44
PTO aerator	hour	68	1.000	1.40	Jul	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(r)	hour		1.00		Aug			14.82		1.400	13.44	14.0000			28.26
Other labor	hour											2.1000	9.60	20.16	20.16
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (r)	acin		1.00		Aug			6.69		0.046	0.44	4.6000			7.14
Feeder truck	ton		1.00		Aug			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.35	Aug			2.28	2.46	0.355	3.40				8.16
Harv & haul catfish	cwt		1.00		Aug							9.5000	5.00	47.50	47.50
Custom restk catfish	thou											0.9800	25.00	24.50	24.50
Fingerlings	thou											0.9800	75.00	73.50	73.50

Table 10.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10 Acre Ponds,  
(CON'T) Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Side Mount Mower	6 ft	75	0.500	0.25	Aug	0.81	0.71	0.36	2.12	0.126	1.20				5.23
PTO aerator	hour	68	1.000	1.90	Aug	12.26	10.76	0.28	1.51	0.190	1.82				26.66
10Hp aerator-10(r)	hour			1.00	Sep			14.82		1.400	13.44	14.0000			28.26
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (r)	acin			1.00	Sep			4.07		0.028	0.26	2.8000			4.34
Feeder truck	ton			1.00	Sep			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Sep			0.96	1.04	0.150	1.44				3.44
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.00	34.50	34.50
Custom restk catfish	thou											0.7200	25.00	18.00	18.00
Fingerlings	thou											0.7200	75.00	54.00	54.00
PTO aerator	hour	68	1.000	1.40	Sep	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(r)	hour			1.00	Oct			6.35		0.600	5.76	6.0000			12.11
Other labor	hour											3.0000	9.60	28.80	28.80
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
Catf irrig (r)	acin			1.00	Oct			6.69		0.046	0.44	4.6000			7.14
Feeder truck	ton			1.00	Oct			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.4130	240.00	99.12	99.12
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 catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	75.00	78.75	78.75
PTO aerator	hour	68	1.000	0.60	Oct	3.87	3.40	0.09	0.47	0.060	0.57				8.42
Catf irrig (r)	acin			1.00	Nov			3.05		0.021	0.20	2.1000			3.25
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.96	1.66	0.014	0.14				2.77
Fall chemicals	lbs											8.8200	1.90	16.75	16.75
Pickup truck	1/2 ton		1.000	0.52	Nov			3.34	3.61	0.520	4.99				11.95
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.00	58.00	58.00
Custom restk catfish	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	75.00	90.00	90.00
Catf irrig (r)	acin			1.00	Dec			3.05		0.021	0.20	2.1000			3.25
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
TOTALS						55.85	49.04	193.55	100.70	12.051	115.69			2587.14	3102.00
INTEREST ON OPERATING CAPITAL															141.51
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3243.52

Table 11.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10 Acre Ponds with Generator, Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
			-----dollars-----					dollars					-----dollars-----		
Catf pond&eq 6x10(r)	acre		1.00		Jan		14.84	13.98				1.0000			28.82
Rent (catf diesel)	acre											1.0000	250.00	250.00	250.00
Catf irrig (d,r)	acin		1.00		Jan		3.51		0.021	0.20		2.1000			3.71
Other labor	hour											1.0000	9.60	9.60	9.60
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		0.92	52.22	0.030	0.28		0.1500			53.43
Catfish feed	ton											0.1500	240.00	36.00	36.00
Catf irrig (d,r)	acin		1.00		Feb		3.85		0.023	0.22		2.3000			4.07
Other labor	hour											1.0000	9.60	9.60	9.60
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		0.92		0.030	0.28		0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
Pickup truck	1/2 ton		1.000	0.42	Feb		2.70	2.91	0.420	4.03					9.65
Catf irrig (d,r)	acin		1.00		Mar		4.18		0.025	0.24		2.5000			4.42
Other labor	hour											1.0000	9.60	9.60	9.60
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		3.40		0.110	1.05		0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Boat,Motor&Trailer	14 ft		0.075	0.75	Mar		4.03	6.93	0.061	0.59					11.56
Spring chemicals	lbs											18.0000	0.60	10.80	10.80
10Hp aerator-10(d,r)	hour		1.00		Apr		10.14		0.600	5.76		6.0000			15.90
Other labor	hour											2.1000	9.60	20.16	20.16
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin		1.00		Apr		3.85		0.023	0.22		2.3000			4.07
Feeder truck	ton		1.00		Apr		3.40		0.110	1.05		0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.30	Apr		1.96	2.11	0.305	2.92					7.01
Harv & haul catfish	cwt		1.00		Apr							4.8000	5.00	24.00	24.00
Custom restk catfish	thou											0.5000	25.00	12.50	12.50
Fingerlings	thou											0.5000	75.00	37.50	37.50
PTO aerator	hour	68	1.000	1.10	Apr	7.10	6.23	0.16	0.87	0.110	1.05				15.43
10Hp aerator-10(d,r)	hour		1.00		May					0.600	5.76	6.0000			15.90
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin		1.00		May		4.35		0.026	0.24		2.6000			4.60
Feeder truck	ton		1.00		May		3.40		0.110	1.05		0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.10	May		0.64	0.69	0.100	0.96					2.29
Harv & haul catfish	cwt		1.00		May							10.0000	5.00	50.00	50.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	75.00	78.75	78.75
Side Mount Mower	6 ft	75	0.500	0.25	May	0.81	0.71	0.36	2.12	0.126	1.20				5.23
PTO aerator	hour	68	1.000	0.60	May	3.87	3.40	0.09	0.47	0.060	0.57				8.42
10Hp aerator-10(d,r)	hour		1.00		Jun					1.400	13.44	14.0000			37.12
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin		1.00		Jun		2.34		0.014	0.13		1.4000			2.47
Feeder truck	ton		1.00		Jun		3.40		0.110	1.05		0.5500			4.46
Catfish feed	ton											0.4130	240.00	99.12	99.12
Medicated feed	ton											0.1370	495.00	67.81	67.81
Pickup truck	1/2 ton		1.000	0.15	Jun		0.96	1.04	0.150	1.44					3.44
PTO aerator	hour	68	1.000	1.40	Jun	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(d,r)	hour		1.00		Jul					1.400	13.44	14.0000			37.12
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin		1.00		Jul		6.53		0.039	0.37		3.9000			6.90
Feeder truck	ton		1.00		Jul		3.40		0.110	1.05		0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Jul		0.96	1.04	0.150	1.44					3.44
PTO aerator	hour	68	1.000	1.40	Jul	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(d,r)	hour		1.00		Aug					1.400	13.44	14.0000			37.12
Other labor	hour											2.1000	9.60	20.16	20.16
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin		1.00		Aug		7.70		0.046	0.44		4.6000			8.14
Feeder truck	ton		1.00		Aug		3.40		0.110	1.05		0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.35	Aug		2.28	2.46	0.355	3.40					8.16
Harv & haul catfish	cwt		1.00		Aug							9.5000	5.00	47.50	47.50
Custom restk catfish	thou											0.9800	25.00	24.50	24.50
Fingerlings	thou											0.9800	75.00	73.50	73.50

Table 11.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10 Acre Ponds with Generator, (CON'T) Louisiana, 2005.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF TIMES			TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Side Mount Mower	6 ft	75	0.500	0.25	Aug	0.81	0.71	0.36	2.12	0.126	1.20				5.23
PTO aerator	hour	68	1.000	1.90	Aug	12.26	10.76	0.28	1.51	0.190	1.82				26.66
10Hp aerator-10(d,r)	hour			1.00	Sep			23.68		1.400	13.44	14.0000			37.12
Other labor	hour											2.0000	9.60	19.20	19.20
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin			1.00	Sep			4.69		0.028	0.26	2.8000			4.95
Feeder truck	ton			1.00	Sep			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Sep			0.96	1.04	0.150	1.44				3.44
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.00	34.50	34.50
Custom restk catfish	thou											0.7200	25.00	18.00	18.00
Fingerlings	thou											0.7200	75.00	54.00	54.00
PTO aerator	hour	68	1.000	1.40	Sep	9.03	7.93	0.21	1.11	0.140	1.34				19.65
10Hp aerator-10(d,r)	hour			1.00	Oct			10.14		0.600	5.76	6.0000			15.90
Other labor	hour											3.0000	9.60	28.80	28.80
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
Catf irrig (d,r)	acin			1.00	Oct			7.70		0.046	0.44	4.6000			8.14
Feeder truck	ton			1.00	Oct			3.40		0.110	1.05	0.5500			4.46
Catfish feed	ton											0.4130	240.00	99.12	99.12
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 catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	75.00	78.75	78.75
PTO aerator	hour	68	1.000	0.60	Oct	3.87	3.40	0.09	0.47	0.060	0.57				8.42
Catf irrig (d,r)	acin			1.00	Nov			3.51		0.021	0.20	2.1000			3.71
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.96	1.66	0.014	0.14				2.77
Fall chemicals	lbs											8.8200	1.90	16.75	16.75
Pickup truck	1/2 ton		1.000	0.52	Nov			3.34	3.61	0.520	4.99				11.95
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.00	58.00	58.00
Custom restk catfish	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	75.00	90.00	90.00
Catf irrig (d,r)	acin			1.00	Dec			3.51		0.021	0.20	2.1000			3.71
Other labor	hour											1.0000	9.60	9.60	9.60
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			0.92		0.030	0.28	0.1500			1.21
Catfish feed	ton											0.1500	240.00	36.00	36.00
TOTALS						55.85	49.04	247.64	100.70	12.051	115.69			2587.14	3156.10
INTEREST ON OPERATING CAPITAL															143.88
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3299.98

Appendix Table 1. A Summary of Projected Costs Based on Reduced Fishing Days for Crawfish and Crawfish-Rice Production, Louisiana, 2005.

	Base	-10%	-20%	-30%
<hr/>				
Crawfish Enterprises:	----- Dollars per Acre -----			
Northeast Louisiana				
Non-aerated, Owner				
fishing days	88	79	71	61
Direct Expenses	282.49	267.87	254.84	238.61
Fixed Expenses	158.27	157.74	157.27	156.68
Total Expenses	440.76	425.61	412.11	395.29
Southwest Louisiana				
Non-aerated, Owner				
fishing days	94	85	75	66
Direct Expenses	445.97	425.69	402.74	381.67
Fixed Expenses	167.35	166.82	166.23	165.7
Total Expenses	613.32	592.51	568.97	547.37
Crawfish -Rice Owner				
fishing days	83	75	67	59
Direct Expenses	847.82	832.80	817.51	802.22
Fixed Expenses	203.41	202.94	202.47	202.00
Total Expenses	1051.23	1035.74	1019.98	1004.22

Appendix Table 2. Operating Inputs: Estimated Prices, Louisiana, 2005.

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
<b>BAIT</b>					
Crawfish bait (fish)	lbs	0.32	Manuf. crawfish bait	lbs	0.18
<b>CUSTOM</b>					
Airplane fert	cwt	4.75	Airplane fert	acre	4.75
Airplane fert	cwt	4.75	Airplane seed	acre	5.00
Airplane seed	cwt	5.60	Airplane stam	acre	6.00
App by air	appl	4.00	Custom haul catfish	lbs	0.02
Custom restk catfish	thou	25.00	Drying rice	cwt	0.90
Fertilizer truck	acre	5.00	Global pos. system	acre	0.35
Harv & haul catfish	cwt	5.00	Haul rice	cwt	0.25
Storage rice	cwt	0.10	Water consultant	acre	1.75
<b>FEED</b>					
Catfish feed	ton	240.00	Medicated feed	ton	495.00
<b>FERTILIZER</b>					
Nitrogen	lbs	0.30	Phosphate	lbs	0.26
Potash	lbs	0.15	Urea (45%)	lbs	0.12
<b>FUNGICIDES</b>					
Quadris	oz	2.12	Tilt	oz	2.53
<b>HERBICIDES</b>					
2,4-D Amine 4	pt	1.64	2,4-D LV4	pt	1.64
Facet 75DF	lb	49.51	Fall chemicals	lbs	1.90
Londax 60DF	oz	14.95	Spring chemicals	lbs	0.60
Stam M4	qt	7.86			
<b>HIRED LABOR</b>					
Irrigation labor	hour	9.60	Other labor	hour	9.60
Predator cntrl labor	hour	9.60			
<b>INSECTICIDES</b>					
Ambush 2EC	pt	14.05	Karate Z	oz	2.88
Methyl parathion	pt	3.67	Sevin 80% WP	lbs	5.29
<b>OTHER</b>					
Accounting service	dol	1.00	Farmstead & drainage	dol	1.00
Fingerlings	thou	75.00	Hip boots	pair	74.95
Levee gate	gate	10.00	Misc. overhead	dol	1.00
Plastic	sqft	0.05	Propane	tank	11.00
Rent (catf diesel)	acre	250.00	Rent (catf electric)	acre	250.00
Sacks	each	0.40	Seed crawfish	lbs	0.80
Shotgun shells	box	5.00	Stunted crawfish	lbs	0.45
Waders	pair	120.00			
<b>SEED</b>					
Common bermuda seed	lbs	2.53	Rice seed	lbs	0.21
Ryegrass seed	lbs	0.41			

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, 2005.

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
Pickup Truck	1\2 ton		5	800	25,000	45	2.50	6.43	6.94
Tractor (15-30hp)	22		8	600	8,200	15	1.13	2.26	1.69
Tractor (40-59hp)	50		8	600	18,032	15	2.57	4.29	3.71
Tractor PTO(60-89hp)	68		8	600	27,481	15	3.86	6.45	5.66
Tractor (60-89hp)	75		8	600	27,481	15	3.86	6.45	5.66
Tractor (90-115hp)	105		8	600	40,934	15	5.40	9.10	8.44
Tractor GC(90-115hp)	105		8	600	40,934	15	2.59	5.03	8.44
Tractor (106-130hp)	118		8	600	69,025	15	6.69	11.85	14.23
Tractor (140-159hp)	150		8	600	77,542	15	7.72	13.61	15.99
Tractor (140-159hp)	150 MFWD		8	600	88,497	15	7.72	13.96	18.25
Tractor (160-170hp)	170		8	600	86,873	15	8.75	15.40	18.63
Tractor (180-199hp)	190		8	600	108,199	15	9.77	17.56	23.21
Tractor (200-249hp)	225		8	600	120,401	15	11.58	20.55	25.83
Tractor (250-349hp)	300		8	600	137,673	15	15.44	26.69	29.53
2 man cf combine	12 hp	0.063	10	923	6,600	40	0.30	0.81	0.93
Boat, Motor & Trailer	14 ft	0.075	8	4	3,465	65	4.00	71.70	5.37
Combine Rice	25 Ft	0.300	10	300	165,000	80	8.60	56.47	16.95
Crawfish combine	12 hp	0.075	10	1098	6,600	40	0.30	0.77	0.05
Pickup truck	1/2 ton	1.000	5	800	25,000	45	2.50	6.43	6.94
Truck	5 ton	1.000	12	100	115,000	100	5.00	104.73	104.73

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, 2005.

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		0.500	10	100	6,000	88	5.28	2.64	7.86	3.93
Blade-Scraper	10'	1.176	2015	200	2,066	190	0.00	0.01	0.66	0.77
Cultimulcher	12 Ft	0.160	15	120	5,500	88	2.68	0.43	4.65	0.74
Disk	24 ft	0.081	10	180	25,040	50	6.95	0.56	16.15	1.32
Disk	32'	0.061	10	180	30,136	50	8.37	0.51	19.44	1.19
Ditcher rotary	1.5 ft	0.020	10	100	2,500	88	2.20	0.04	3.27	0.06
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	24 ft	0.062	10	100	16,030	25	4.00	0.24	18.61	1.15
Field cultivator	32'	0.046	10	100	21,673	25	5.41	0.25	25.16	1.17
Grain cart	500 bu	0.288	12	200	15,237	65	4.12	1.19	7.96	2.29
Grain drill	12 ft	0.157	8	150	11,487	45	4.30	0.67	9.09	1.42
Grain drill	20 ft	0.094	8	150	25,666	45	9.62	0.90	20.32	1.91
Harrow	13Ft	0.119	10	200	770	70	0.26	0.03	0.44	0.05
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	150	2,000	44	0.58	0.07	1.74	0.21
Tractor blade	6 ft	1.000	20	200	764	190	0.36	0.36	0.32	0.32
Water level	24 Ft	0.149	15	100	3,500	66	1.54	0.23	3.55	0.53

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, 2005.

ITEM NAME	UNIT	REPAIR	FUEL	DIRECT COST	----FIXED COST----	
		COST	CONS			
		\$/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		23.11
10 Hp ss pdwl	hour	0.117	11.500	1.152		80.60
10Hp aerator-10	hour	0.024	11.500	1.059	0.448	46.21
10Hp aerator-10(d)	hour	0.024	1.150	1.691	0.448	46.21
10Hp aerator-10(d,r)	hour	0.024	1.150	1.691		
10Hp aerator-10(r)	hour	0.024	11.500	1.059		
10Hp aerator-15	hour	0.013	11.500	1.048	0.359	30.81
10Hp aerator-15(d)	hour	0.013	1.100	1.608	0.359	30.81
10Hp aerator-15(d,r)	hour	0.013	1.100	1.608		
10Hp aerator-15(r)	hour	0.013	11.500	1.048		
Catf irrig	acin	0.137	15.525	1.534		25.59
Catf irrig (d)	acin	0.278	1.082	1.847		47.88
Catf irrig (d,r)	acin	0.106	1.082	1.675		
Catf irrig (r)	acin	0.059	15.525	1.456		
Catf pond&eq 6x10(r)	acre	14.846	0.000	14.846		13.98
Catf pond&equip 6x10	acre	14.846	0.000	14.846		205.95
Crawf irrig double	acin	0.298	2.227	3.527		34.59
Crawf irrig north LA	acin	0.356	0.668	1.324		16.68
Crawf irrig single	acin	0.525	2.227	3.754		34.59
Crawf pond&eq double	acre	1.060	0.000	1.060		58.09
Crawf pond&eq north	acre	11.587	0.000	11.587		125.78
Crawf pond&eq single	acre	7.498	0.000	7.498		118.06
Irrigation system 1	acre	3.750	53.970	82.006		38.96
Feeder truck	ton	4.061	1.200	6.197		52.22

Appendix Table 6. Estimated Costs per Acre, Overhead Costs,  
 Tenant-Operator, Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HIRED LABOR					
Other labor	hour	9.60	0.7600	7.29	_____
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	9.60	0.1500	1.44	_____
Self-propelled eq.	hour	9.60	1.5000	14.40	_____
Shop bld. & equip.	hour	9.60	0.5800	5.56	_____
DIESEL FUEL					
Tractors	gal	1.45	0.3860	0.55	_____
Self-propelled eq.	gal	1.45	3.7500	5.43	_____
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	_____
Tractors	acre	0.08	1.0000	0.08	_____
Self-propelled eq.	acre	4.21	1.0000	4.21	_____
Shop bld. & equip.	acre	7.68	1.0000	7.68	_____
INTEREST ON OP. CAP.	acre	2.61	1.0000	2.61	_____
TOTAL DIRECT EXPENSES				57.68	_____
FIXED EXPENSES					
Implements	acre	0.32	1.0000	0.32	_____
Tractors	acre	0.55	1.0000	0.55	_____
Self-propelled eq.	acre	10.42	1.0000	10.42	_____
Shop bld. & equip.	acre	6.55	1.0000	6.55	_____
TOTAL FIXED EXPENSES				17.85	_____
TOTAL SPECIFIED EXPENSES				75.54	_____

Appendix Table 7. Estimated costs per Acre, Overhead Costs,  
Owner-Operators, Louisiana, 2005.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HIRED LABOR					
Other labor	hour	9.60	1.2700	12.19	_____
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	9.60	0.1500	1.44	_____
Self-propelled eq.	hour	9.60	1.5000	14.40	_____
Shop bld. & equip.	hour	9.60	0.5800	5.56	_____
DIESEL FUEL					
Tractors	gal	1.45	0.3860	0.55	_____
Self-propelled eq.	gal	1.45	3.7500	5.43	_____
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	_____
Tractors	acre	0.08	1.0000	0.08	_____
Self-propelled eq.	acre	4.21	1.0000	4.21	_____
Shop bld. & equip.	acre	7.68	1.0000	7.68	_____
INTEREST ON OP. CAP.	acre	3.12	1.0000	3.12	_____
				-----	
TOTAL DIRECT EXPENSES				69.78	_____
FIXED EXPENSES					
Implements	acre	0.32	1.0000	0.32	_____
Tractors	acre	0.55	1.0000	0.55	_____
Self-propelled eq.	acre	10.42	1.0000	10.42	_____
Shop bld. & equip.	acre	6.55	1.0000	6.55	_____
				-----	
TOTAL FIXED EXPENSES				17.85	_____
				-----	
TOTAL SPECIFIED EXPENSES				87.64	_____

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
Irrigation system1	Irrigation system for rice portion of rice-crawfish double-crop production in Southwest Louisiana
Self-Propelled Eq	Pickup truck
10Hp aerator-10	10 horsepower aerator, powered by electricity
10Hp aerator-10(d)	10 horsepower aerator, powered by diesel