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January 2001

A.E.A. Information Series No. 187

**PROJECTED COSTS AND RETURNS FOR CRAWFISH
AND CATFISH PRODUCTION
IN LOUISIANA, 2001**

by

Robert W. Boucher and Jeffrey M. Gillespie



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ACKNOWLEDGMENTS

The authors express appreciation to the many producers, LCES, and LAES personnel who cooperated in providing information and review of the production practice and performance data incorporated into budget estimates. Specific recognition is extended to, Tom Hymel, Mark Shirley, Greg Lutz, Chris Breden, Ray McClain, Robert Romaine. The authors are also indebted to Dr. Gail L. Cramer, Head of the Department of Agricultural Economics and Agribusiness for review and support of this publication.

PROJECTED COSTS AND RETURNS FOR CRAWFISH AND CATFISH PRODUCTION IN LOUISIANA, 2001

by

Robert W. Boucher and Jeffrey M. Gillespie¹

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 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 (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 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. A Summary of Projected Costs per Acre for Crawfish and Crawfish-Rice Production, Louisiana, 2001.

Crop Description	Yield Per Acre	Direct Expenses	Fixed Expenses	Total Specified Expenses
	Pounds	Dollars per Acre		
Crawfish Enterprises:				
Northeast Louisiana				
Non-aerated, Owner b	600.00	237.46	130.66	368.12
Southwest Louisiana				
Non-aerated, Owner b	1200.00	327.20	138.93	466.13
Crawfish-Rice, Owner a b	900+4200	622.97	126.57	749.54

- a Income for rice was calculated by multiplying the market price of \$7.00 by actual yield.
b Land costs are not included.
c Yield includes 900 lbs of crawfish and 42 cwt of rice.

Table 2. Breakeven Selling Prices for Crawfish for Selected Yield Levels, Louisiana, 2001.

	Total Costs a	Total Variable Costs	Base Yield Level	-20%	-10%	Base	10%	20%
	---Dollar/Acre---		lb.	--Breakeven Price, Dollars/lb--				
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS								
Crawfish Enterprises:								
Northeast Louisiana								
Non-aerated, Owner	368.12		600	.77	.68	.61	.56	.51
Southwest Louisiana								
Non-aerated, Owner	466.13		1200	.48	.43	.39	.35	.32
Crawfish-Rice, Owner b	292.57		900	.41	.36	.33	.30	.27
PRICES REQUIRED TO RECOVER VARIABLE COSTS								
Crawfish Enterprises:								
Northeast Louisiana								
Non-aerated, Owner		237.46	600	.49	.44	.40	.36	.33
Southwest Louisiana								
Non-aerated, Owner		327.20	1200	.34	.30	.27	.25	.23
Crawfish-Rice, Owner b		246.31	900	.34	.30	.27	.25	.23

- a Overhead and 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, Louisiana, 2001.

Crop Description	Yield Per Acre	Total Income	Direct Expenses	Returns Over			Total Expenses	Returns Over Total Expenses
				Direct Expenses	Fixed Expenses	Total Expenses		
	Cwt.	-----Dollars per Acre -----						
Catfish Enterprises:								
Six 10 acre ponds, Elec Pwr, Owner a	52.80	3907.20	2694.66	1212.54	359.47	3054.13	853.07	
Six 10 acre ponds, Diesel Pwr, Owner a	52.80	3907.20	2696.51	1210.69	379.74	3076.25	830.95	
Six 10 acre ponds, Elec Pwr, Tenant b	52.80	3907.20	2967.17	940.03	119.70	3086.87	820.33	
Six 10 acre ponds, Diesel Pwr, Tenant b	52.80	3907.20	2966.04	941.16	119.70	3085.74	821.46	

- 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, 2001.

	Total Costs	Total Variable Costs	Base Yield Level	Yield Level				
				-20%	-10%	Base	10%	20%
	--Dollar/Acre--		cwt.	---- Breakeven Price, Dollars/cwt ----				
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS								
Catfish Enterprises:								
Six 10 acre ponds, Elec Pwr, Owner a	3054.13		52.8	72.30	64.27	57.84	52.59	48.20
Six 10 acre ponds, Diesel Pwr, Owner a	3076.25		52.8	72.83	64.74	58.26	52.97	48.55
Six 10 acre ponds, Elec Pwr, Tenant b	3086.87		52.8	73.08	64.96	58.46	53.15	48.72
Six 10 acre ponds, Diesel Pwr, Tenant b	3085.74		52.8	73.05	64.94	58.44	53.13	48.70
PRICES REQUIRED TO RECOVER VARIABLE COSTS								
Six 10 acre ponds, Elec Pwr, Owner a		2694.66	52.8	63.79	56.71	51.04	46.40	42.53
Six 10 acre ponds, Diesel Pwr, Owner a		2696.51	52.8	63.84	56.74	51.07	46.43	42.56
Six 10 acre ponds, Elec Pwr, Tenant b		2967.17	52.8	70.24	62.44	56.20	51.09	46.83
Six 10 acre ponds, Diesel Pwr, Tenant b		2966.04	52.8	70.22	62.42	56.18	51.07	46.81

- 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, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Crawfish (March)	lbs		60.0000		_____
Crawfish (April)	lbs		210.0000		_____
Crawfish (May)	lbs		240.0000		_____
Crawfish (June)	lbs		90.0000		_____
DIRECT EXPENSES					
BAIT					
Mmuf. crawfish bait	lbs	0.16	330.0000	52.80	_____
FERTILIZER					
Nitrogen	lbs	0.25	51.0000	12.75	_____
Phosphate	lbs	0.19	51.0000	9.69	_____
Potash	lbs	0.14	51.0000	7.14	_____
HIRE D LABOR					
Other labor	hour	7.50	1.5000	11.25	_____
OTHER					
Hip boots	pair	71.05	0.0083	0.59	_____
Sacks	each	0.39	15.0260	5.86	_____
SEED					
Rice seed	lbs	0.14	100.0000	14.00	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.6001	4.50	_____
Self-Propelled Eq.	hour	7.50	7.2600	54.45	_____
IRRIGATION LABOR					
Crawf irrig north IA	hour	7.50	0.1200	0.90	_____
DIESEL FUEL					
Tractors	gal	1.17	3.2549	3.81	_____
Crawf irrig north IA	gal	1.17	17.0009	19.89	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	1.9800	2.83	_____
REPAIR & MAINTENANCE					
Implements	acre	2.70	1.0000	2.70	_____
Tractors	acre	3.22	1.0000	3.22	_____
Self-Propelled Eq.	acre	1.56	1.0000	1.56	_____
Crawf irrig north IA	acre	7.77	1.0000	7.77	_____
Crawf pond&eq north	acre	10.34	1.0000	10.34	_____
INTEREST ON OP. CAP.	acre	11.40	1.0000	11.40	_____
TOTAL DIRECT EXPENSES				237.46	_____
FIXED EXPENSES					
Implements	acre	4.12	1.0000	4.12	_____
Tractors	acre	4.43	1.0000	4.43	_____
Self-Propelled Eq.	acre	4.89	1.0000	4.89	_____
Crawf irrig north IA	acre	15.17	1.0000	15.17	_____
Crawf pond&eq north	acre	102.05	1.0000	102.05	_____
TOTAL FIXED EXPENSES				130.66	_____
TOTAL SPECIFIED EXPENSES				368.12	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.39	1.0000	73.39	_____
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, 2001.

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		_____
DIRECT EXPENSES					
CUSTOM					
Airplane seed	cwt	4.50	1.4000	6.30	_____
Airplane fert	cwt	4.52	0.7500	3.39	_____
BAIT					
Crawfish bait (fish)	lbs	0.28	225.0000	63.00	_____
Mnuf. crawfish bait	lbs	0.16	245.0000	39.20	_____
FERTILIZER					
Urea (45%)	lbs	0.10	75.0000	7.50	_____
Hired Labor					
Other labor	hour	7.50	1.8500	13.88	_____
OTHER					
Hip boots	pair	71.05	0.0083	0.59	_____
Sacks	each	0.39	29.1220	11.36	_____
SEED					
Rice seed	lbs	0.14	140.0000	19.60	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.4241	3.18	_____
Self-Propelled Eq.	hour	7.50	8.1580	61.19	_____
IRRIGATION LABOR					
Crawf irrig single	hour	7.50	0.1650	1.24	_____
DIESEL FUEL					
Tractors	gal	1.17	2.1209	2.48	_____
Crawf irrig single	gal	1.17	38.3111	44.82	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	3.1225	4.47	_____
REPAIR & MAINTENANCE					
Implements	acre	1.68	1.0000	1.68	_____
Tractors	acre	2.10	1.0000	2.10	_____
Self-Propelled Eq.	acre	2.44	1.0000	2.44	_____
Crawf irrig single	acre	15.75	1.0000	15.75	_____
Crawf pond&eq single	acre	6.62	1.0000	6.62	_____
INTEREST ON OP. CAP.	acre	16.42	1.0000	16.42	_____
TOTAL DIRECT EXPENSES				327.20	_____
FIXED EXPENSES					
Implements	acre	2.58	1.0000	2.58	_____
Tractors	acre	2.82	1.0000	2.82	_____
Self-Propelled Eq.	acre	7.07	1.0000	7.07	_____
Crawf irrig single	acre	31.44	1.0000	31.44	_____
Crawf pond&eq single	acre	95.03	1.0000	95.03	_____
TOTAL FIXED EXPENSES				138.93	_____
TOTAL SPECIFIED EXPENSES				466.13	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.39	1.0000	73.39	_____
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, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	cwt	7.00	42.0000	294.00	_____
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				290.64	_____
DIRECT EXPENSES					
CUSTOM					
Airplane fert	cwt	4.52	4.4000	19.89	_____
Airplane seed	cwt	4.50	1.4000	6.30	_____
Airplane stam	acre	5.23	2.0000	10.46	_____
Drying rice	cwt	0.93	47.1900	43.89	_____
Storage rice	cwt	0.45	42.0000	18.90	_____
BAIT					
Crawfish bait (fish)	lbs	0.28	168.7500	47.25	_____
Mnuf. crawfish bait	lbs	0.16	93.7500	15.00	_____
FERTILIZER					
Nitrogen	lbs	0.25	120.0000	30.00	_____
Phosphate	lbs	0.19	51.0000	9.69	_____
Potash	lbs	0.14	51.0000	7.14	_____
HERBICIDES					
Stam M	qt	4.92	6.0000	29.52	_____
Hired Labor					
Other labor	hour	7.50	2.8900	21.68	_____
OTHER					
Seed crawfish	lbs	1.25	60.0000	75.00	_____
Hip boots	pair	71.05	0.0083	0.59	_____
Sacks	each	0.39	19.8700	7.75	_____
SEED					
Rice seed	lbs	0.16	140.0000	22.40	_____
OPERATOR LABOR					
Tractors	hour	7.50	1.8552	13.91	_____
Self-Propelled Eq.	hour	7.50	6.4550	48.41	_____
IRRIGATION LABOR					
Crawf irrig double	hour	7.50	0.3000	2.25	_____
OWNER LABOR					
Self-Propelled Eq.	hour	12.00	0.3300	3.96	_____
DIESEL FUEL					
Tractors	gal	1.17	10.2844	12.03	_____
Self-Propelled Eq.	gal	1.17	2.1300	2.49	_____
Crawf irrig double	gal	1.17	69.6566	81.50	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	4.2250	6.04	_____
REPAIR & MAINTENANCE					
Implements	acre	4.42	1.0000	4.42	_____
Tractors	acre	10.70	1.0000	10.70	_____
Self-Propelled Eq.	acre	13.47	1.0000	13.47	_____
Crawf irrig double	acre	16.29	1.0000	16.29	_____
Crawf pond&eq double	acre	0.77	1.0000	0.77	_____
INTEREST ON OP. CAP.	acre	41.26	1.0000	41.26	_____
TOTAL DIRECT EXPENSES				622.97	_____
FIXED EXPENSES					
Implements	acre	7.69	1.0000	7.69	_____
Tractors	acre	15.11	1.0000	15.11	_____
Self-Propelled Eq.	acre	30.32	1.0000	30.32	_____
Crawf irrig double	acre	31.44	1.0000	31.44	_____
Crawf pond&eq double	acre	42.01	1.0000	42.01	_____
TOTAL FIXED EXPENSES				126.57	_____
TOTAL SPECIFIED EXPENSES				749.54	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	73.39	1.0000	73.39	_____
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, 2001.**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Catfish	cwt	74.00	4.8000	355.20	_____
Catfish	cwt	74.00	10.0000	740.00	_____
Catfish	cwt	74.00	9.5000	703.00	_____
Catfish	cwt	74.00	6.9000	510.60	_____
Catfish	cwt	74.00	10.0000	740.00	_____
Catfish	cwt	74.00	11.6000	858.40	_____
TOTAL INCOME				3907.20	_____
DIRECT EXPENSES					
CUSTOM					
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	_____
FEED					
Catfish feed	ton	240.00	4.7260	1134.24	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
HERBICIDES					
Spring chemicals	lbs	0.45	18.0000	8.10	_____
Fall chemicals	lbs	1.50	8.8200	13.23	_____
HIRED LABOR					
Other labor	hour	7.50	20.2000	151.50	_____
OTHER					
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	_____
OPERATOR LABOR					
Tractors	hour	7.50	1.1172	8.38	_____
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	_____
IRRIGATION LABOR					
Catf irrig	hour	7.50	0.1665	1.25	_____
DIESEL FUEL					
Tractors	gal	1.17	36.3384	42.52	_____
ELECTRICITY					
10Hp aerator-10	kWh	0.09	85.1000	7.66	_____
Catf irrig	kWh	0.09	516.9825	46.53	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	5.6540	8.09	_____
Feeder truck	gal	1.43	6.0000	8.58	_____
REPAIR & MAINTENANCE					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	29.85	1.0000	29.85	_____
Self-Propelled Eq.	acre	8.21	1.0000	8.21	_____
10Hp aerator-10	acre	1.68	1.0000	1.68	_____
Feeder truck	acre	18.46	1.0000	18.46	_____
Catf pond&equip 6x10	acre	13.49	1.0000	13.49	_____
Catf irrig	acre	4.17	1.0000	4.17	_____
INTEREST ON OP. CAP.	acre	125.58	1.0000	125.58	_____
TOTAL DIRECT EXPENSES				2694.66	_____
RETURNS ABOVE DIRECT EXPENSES				1212.54	_____
FIXED EXPENSES					
Implements	acre	10.53	1.0000	10.53	_____
Tractors	acre	31.65	1.0000	31.65	_____
Self-Propelled Eq.	acre	17.34	1.0000	17.34	_____
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	_____
TOTAL FIXED EXPENSES				359.47	_____
TOTAL SPECIFIED EXPENSES				3054.13	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				853.07	_____
ALLOCATED COST ITEMS					
Overhead-owner pond	acre	88.07	1.0000	88.07	_____
RESIDUAL RETURNS				765.00	_____

**Table 9.A Estimated Costs and Returns per Acre, Catfish
Owner-Operator, 10-Acre Ponds with Generator,
Louisiana, 2001.**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Catfish	cwt	74.00	4.8000	355.20	_____
Catfish	cwt	74.00	10.0000	740.00	_____
Catfish	cwt	74.00	9.5000	703.00	_____
Catfish	cwt	74.00	6.9000	510.60	_____
Catfish	cwt	74.00	10.0000	740.00	_____
Catfish	cwt	74.00	11.6000	858.40	_____
TOTAL INCOME				3907.20	_____
DIRECT EXPENSES					
CUSTOM					
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	_____
FEED					
Catfish feed	ton	240.00	4.7260	1134.24	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
HERBICIDES					
Spring chemicals	lbs	0.45	18.0000	8.10	_____
Fall chemicals	lbs	1.50	8.8200	13.23	_____
HIRED LABOR					
Other labor	hour	7.50	20.2000	151.50	_____
OTHER					
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	_____
OPERATOR LABOR					
Tractors	hour	7.50	1.1172	8.38	_____
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	_____
IRRIGATION LABOR					
Catf irrig (d)	hour	7.50	0.1665	1.25	_____
DIESEL FUEL					
Tractors	gal	1.17	36.3384	42.52	_____
10Hp aerator-10(d)	gal	1.17	8.1400	9.52	_____
Catf irrig (d)	gal	1.17	36.0384	42.16	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	5.6540	8.09	_____
Feeder truck	gal	1.43	6.0000	8.58	_____
REPAIR & MAINTENANCE					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	29.85	1.0000	29.85	_____
Self-Propelled Eq.	acre	8.21	1.0000	8.21	_____
10Hp aerator-10(d)	acre	1.68	1.0000	1.68	_____
Feeder truck	acre	18.46	1.0000	18.46	_____
Catf pond&equip 6x10	acre	13.49	1.0000	13.49	_____
Catf irrig (d)	acre	8.44	1.0000	8.44	_____
INTEREST ON OP. CAP.	acre	125.66	1.0000	125.66	_____
TOTAL DIRECT EXPENSES				2696.51	_____
RETURNS ABOVE DIRECT EXPENSES				1210.69	_____
FIXED EXPENSES					
Implements	acre	10.53	1.0000	10.53	_____
Tractors	acre	31.65	1.0000	31.65	_____
Self-Propelled Eq.	acre	17.34	1.0000	17.34	_____
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	_____
TOTAL FIXED EXPENSES				379.74	_____
TOTAL SPECIFIED EXPENSES				3076.25	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				830.95	_____
ALLOCATED COST ITEMS					
Overhead-owner pond	acre	88.07	1.0000	88.07	_____
RESIDUAL RETURNS				742.88	_____

**Table 10.A Estimated Costs and Returns per Acre, Catfish,
Tenant-Operator, 10-Acre Ponds, Louisiana, 2001.**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Catfish	cwt	74.00	4.8000	355.20	_____
Catfish	cwt	74.00	10.0000	740.00	_____
Catfish	cwt	74.00	9.5000	703.00	_____
Catfish	cwt	74.00	6.9000	510.60	_____
Catfish	cwt	74.00	10.0000	740.00	_____
Catfish	cwt	74.00	11.6000	858.40	_____
TOTAL INCOME				3907.20	_____
DIRECT EXPENSES					
CUSTOM					
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	_____
FEED					
Catfish feed	ton	240.00	4.7260	1134.24	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
HERBICIDES					
Spring chemicals	lbs	0.45	18.0000	8.10	_____
Fall chemicals	lbs	1.50	8.8200	13.23	_____
HIRED LABOR					
Other labor	hour	7.50	20.2000	151.50	_____
OTHER					
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	_____
OPERATOR LABOR					
Tractors	hour	7.50	1.1172	8.38	_____
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	_____
IRRIGATION LABOR					
Catf irrig (r)	hour	7.50	0.1665	1.25	_____
DIESEL FUEL					
Tractors	gal	1.17	36.3384	42.52	_____
ELECTRICITY					
Catf irrig (r)	kWh	0.09	516.9825	46.53	_____
10Hp aerator-10(r)	kWh	0.09	85.1000	7.66	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	5.6540	8.09	_____
Feeder truck	gal	1.43	6.0000	8.58	_____
REPAIR & MAINTENANCE					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	29.85	1.0000	29.85	_____
Self-Propelled Eq.	acre	8.21	1.0000	8.21	_____
Catf irrig (r)	acre	1.80	1.0000	1.80	_____
Catf pond&eq 6x10(r)	acre	13.49	1.0000	13.49	_____
Feeder truck	acre	18.46	1.0000	18.46	_____
10Hp aerator-10(r)	acre	1.68	1.0000	1.68	_____
INTEREST ON OP. CAP.	acre	150.46	1.0000	150.46	_____
TOTAL DIRECT EXPENSES				2967.17	_____
RETURNS ABOVE DIRECT EXPENSES				940.03	_____
FIXED EXPENSES					
Implements	acre	10.53	1.0000	10.53	_____
Tractors	acre	31.65	1.0000	31.65	_____
Self-Propelled Eq.	acre	17.34	1.0000	17.34	_____
Catf pond&eq 6x10(r)	acre	12.71	1.0000	12.71	_____
Feeder truck	acre	47.47	1.0000	47.47	_____
TOTAL FIXED EXPENSES				119.70	_____
TOTAL SPECIFIED EXPENSES				3086.86	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				820.34	_____
ALLOCATED COST ITEMS					
Overhead-tenant pond	acre	74.84	1.0000	74.84	_____
RESIDUAL RETURNS				745.50	_____

Table 11.A Estimated Costs and Returns per Acre, Catfish, Tenant-Operator, 10-Acre Ponds with Generator, Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Catfish	cwt	74.00	4.8000	355.20	_____
Catfish	cwt	74.00	10.0000	740.00	_____
Catfish	cwt	74.00	9.5000	703.00	_____
Catfish	cwt	74.00	6.9000	510.60	_____
Catfish	cwt	74.00	10.0000	740.00	_____
Catfish	cwt	74.00	11.6000	858.40	_____
TOTAL INCOME				3907.20	_____
DIRECT EXPENSES					
CUSTOM					
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	_____
FEED					
Catfish feed	ton	240.00	4.7260	1134.24	_____
Medicated feed	ton	495.00	0.2740	135.63	_____
HERBICIDES					
Spring chemicals	lbs	0.45	18.0000	8.10	_____
Fall chemicals	lbs	1.50	8.8200	13.23	_____
HIRED LABOR					
Other labor	hour	7.50	20.2000	151.50	_____
OTHER					
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	_____
OPERATOR LABOR					
Tractors	hour	7.50	1.1172	8.38	_____
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	_____
IRRIGATION LABOR					
Catf irrig (d,r)	hour	7.50	0.1665	1.25	_____
DIESEL FUEL					
Tractors	gal	1.17	36.3384	42.52	_____
Catf irrig (d,r)	gal	1.17	36.0384	42.16	_____
10Hp aerator-10(d,r)	gal	1.17	8.1400	9.52	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	5.6540	8.09	_____
Feeder truck	gal	1.43	6.0000	8.58	_____
REPAIR & MAINTENANCE					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	29.85	1.0000	29.85	_____
Self-Propelled Eq.	acre	8.21	1.0000	8.21	_____
Catf pond&eq 6x10(r)	acre	13.49	1.0000	13.49	_____
Feeder truck	acre	18.46	1.0000	18.46	_____
Catf irrig (d,r)	acre	3.24	1.0000	3.24	_____
10Hp aerator-10(d,r)	acre	1.68	1.0000	1.68	_____
INTEREST ON OP. CAP.	acre	150.40	1.0000	150.40	_____
TOTAL DIRECT EXPENSES				2966.04	_____
RETURNS ABOVE DIRECT EXPENSES				941.16	_____
FIXED EXPENSES					
Implements	acre	10.53	1.0000	10.53	_____
Tractors	acre	31.65	1.0000	31.65	_____
Self-Propelled Eq.	acre	17.34	1.0000	17.34	_____
Catf pond&eq 6x10(r)	acre	12.71	1.0000	12.71	_____
Feeder truck	acre	47.47	1.0000	47.47	_____
TOTAL FIXED EXPENSES				119.70	_____
TOTAL SPECIFIED EXPENSES				3085.74	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				821.46	_____
ALLOCATED COST ITEMS					
Overhead-tenant pond	acre	74.84	1.0000	74.84	_____
RESIDUAL RETURNS				746.62	_____

Table 5.B Estimated Resource Use and Costs for Field Operations, per Acre, Single Crop Crawfish, Owner-Operators, North Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Crawf pond&eq north	acre			1.00	Jul			10.34	102.05							112.39
Disk	20 ft	143	0.100	2.00	Jul	3.48	2.34	1.54	2.19	0.220	1.65					11.20
Fertilizer buggy	30 ft	93	0.060	1.00	Jul	0.70	0.44	0.23	0.33	0.066	0.50					2.19
Nitrogen	lbs											51.0000	0.25	12.75		12.75
Phosphate	lbs											51.0000	0.19	9.69		9.69
Potash	lbs											51.0000	0.14	7.14		7.14
Rotary mower-levees	6.7 ft	43	0.500	0.05	Jul	0.16	0.07	0.02	0.06	0.029	0.22					0.52
Grain drill	20 ft	143	0.100	1.00	Jul	1.74	1.17	0.79	1.22	0.110	0.83					5.75
Rice seed	lbs											100.0000	0.14	14.00		14.00
Rotary mower-levees	6.7 ft	43	0.500	0.05	Aug	0.16	0.07	0.02	0.06	0.029	0.22					0.52
Rotary mower-levees	6.7 ft	43	0.500	0.05	Sep	0.16	0.07	0.02	0.06	0.029	0.22					0.52
Crawf irrig north LA acin				1.00	Oct			6.92	15.17	0.030	0.23					22.31
Hip boots	pair											0.0083	71.05	0.59		0.59
Other labor	hour											0.5000	7.50	3.75		3.75
Rotary mower-levees	6.7 ft	43	0.500	0.05	Oct	0.16	0.07	0.02	0.06	0.029	0.22					0.52
Crawf irrig north LA acin				1.00	Nov			6.92		0.030	0.23					7.14
Other labor	hour											0.1000	7.50	0.75		0.75
Crawf irrig north LA acin				1.00	Dec			2.31		0.010	0.08					2.38
Other labor	hour											0.1000	7.50	0.75		0.75
Crawf irrig north LA acin				1.00	Jan			1.15		0.005	0.04					1.19
Other labor	hour											0.1000	7.50	0.75		0.75
Crawf irrig north LA acin				1.00	Feb			3.46		0.015	0.11					3.57
Other labor	hour											0.1000	7.50	0.75		0.75
Crawfish combine	12 hp		0.075	26.00	Mr			1.30	1.45	2.145	16.09					18.83
Manuf. crawfish bait lbs												97.5000	0.16	15.60		15.60
Sacks	each											1.5080	0.39	0.59		0.59
Crawf irrig north LA acin				1.00	Mr			1.15		0.005	0.04					1.19
Other labor	hour											0.1000	7.50	0.75		0.75
Crawfish combine	12 hp		0.075	24.00	Apr			1.20	1.33	1.980	14.85					17.38
Manuf. crawfish bait lbs												90.0000	0.16	14.40		14.40
Sacks	each											5.2560	0.39	2.05		2.05
Crawf irrig north LA acin				1.00	Apr			1.15		0.005	0.04					1.19
Other labor	hour											0.1000	7.50	0.75		0.75
Rotary mower-levees	6.7 ft	43	0.500	0.05	Apr	0.16	0.07	0.02	0.06	0.029	0.22					0.52
Crawfish combine	12 hp		0.075	26.00	My			1.30	1.45	2.145	16.09					18.83
Manuf. crawfish bait lbs												97.5000	0.16	15.60		15.60
Sacks	each											6.0060	0.39	2.34		2.34
Crawf irrig north LA acin				1.00	My			2.31		0.010	0.08					2.38
Other labor	hour											0.1000	7.50	0.75		0.75
Rotary mower-levees	6.7 ft	43	0.500	0.05	My	0.16	0.07	0.02	0.06	0.029	0.22					0.52
Crawfish combine	12 hp		0.075	12.00	Jun			0.60	0.67	0.990	7.43					8.69
Manuf. crawfish bait lbs												45.0000	0.16	7.20		7.20
Sacks	each											2.2560	0.39	0.88		0.88
Crawf irrig north LA acin				1.00	Jun			2.31		0.010	0.08					2.38
Other labor	hour											0.3000	7.50	2.25		2.25
Rotary mower-levees	6.7 ft	43	0.500	0.05	Jun	0.16	0.07	0.02	0.06	0.029	0.22					0.52
TOTALS								7.02	4.43	45.10	126.23	7.980	59.85			356.71
INTEREST ON OPERATING CAPITAL																11.40
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																368.12

Table 6.B Estimated Resource Use and Costs for Field Operations, per Acre, Single Crop Crawfish, Owner-Operators, Southwest Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES		TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST						
				OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST							
															dollars		dollars		dollars		
Crawf pond&eq single acre				1.00	Jul			6.62	95.03							101.65					
Disk	20 ft	143	0.100	2.00	Jul	3.48	2.34	1.54	2.19	0.220	1.65					11.20					
Crawf irrig single	acin			1.00	Jul			2.75	31.44	0.008	0.06					34.25					
Other labor	hour											0.2500	7.50	1.88		1.88					
Airplane seed	cwt			1.00	Jul							1.4000	4.50	6.30		6.30					
Rice seed	lbs											140.0000	0.14	19.60		19.60					
Rotary mower-levees	6.7 ft	43	0.500	0.05	Jul	0.16	0.07	0.02	0.06	0.029	0.22					0.52					
Airplane fert	cwt			1.00	Jul							0.7500	4.52	3.39		3.39					
Urea (45%)	lbs											75.0000	0.10	7.50		7.50					
Crawf irrig single	acin			1.00	Aug			2.75		0.008	0.06					2.81					
Other labor	hour											0.1000	7.50	0.75		0.75					
Rotary mower-levees	6.7 ft	43	0.500	0.05	Aug	0.16	0.07	0.02	0.06	0.029	0.22					0.52					
Crawf irrig single	acin			1.00	Sep			2.75		0.008	0.06					2.81					
Other labor	hour											0.1000	7.50	0.75		0.75					
Rotary mower-levees	6.7 ft	43	0.500	0.05	Sep	0.16	0.07	0.02	0.06	0.029	0.22					0.52					
Crawf irrig single	acin			1.00	Oct			22.03		0.060	0.45					22.48					
Hip boots	pair											0.0083	71.05	0.59		0.59					
Other labor	hour											0.5000	7.50	3.75		3.75					
Rotary mower-levees	6.7 ft	43	0.500	0.05	Oct	0.16	0.07	0.02	0.06	0.029	0.22					0.52					
Crawf irrig single	acin			1.00	Nov			7.34		0.020	0.15					7.49					
Other labor	hour											0.1000	7.50	0.75		0.75					
Crawfish combine	12 hp		0.075	10.00	Dec			0.50	0.56	0.825	6.19					7.24					
Crawfish bait (fish)	lbs											50.0000	0.28	14.00		14.00					
Sacks	each											1.3300	0.39	0.52		0.52					
Crawf irrig single	acin			1.00	Dec			4.59		0.013	0.09					4.68					
Other labor	hour											0.1000	7.50	0.75		0.75					
Pickup truck	1/2 ton		1.000	0.04	Dec			0.24	0.20	0.043	0.32					0.76					
Crawfish combine	12 hp		0.075	13.00	Jan			0.65	0.72	1.073	8.04					9.42					
Crawfish bait (fish)	lbs											65.0000	0.28	18.20		18.20					
Sacks	each											3.0030	0.39	1.17		1.17					
Crawf irrig single	acin			1.00	Jan			3.67		0.010	0.08					3.75					
Other labor	hour											0.1000	7.50	0.75		0.75					
Pickup truck	1/2 ton		1.000	0.06	Jan			0.31	0.26	0.056	0.42					0.98					
Crawfish combine	12 hp		0.075	12.00	Feb			0.60	0.67	0.990	7.43					8.69					
Crawfish bait (fish)	lbs											60.0000	0.28	16.80		16.80					
Sacks	each											4.5000	0.39	1.76		1.76					
Crawf irrig single	acin			1.00	Feb			3.67		0.010	0.08					3.75					
Other labor	hour											0.1000	7.50	0.75		0.75					
Pickup truck	1/2 ton		1.000	0.05	Feb			0.28	0.23	0.051	0.38					0.90					
Crawfish combine	12 hp		0.075	20.00	Mr			1.00	1.11	1.650	12.38					14.49					
Mnuf. crawfish bait	lbs											50.0000	0.16	8.00		8.00					
Crawfish bait (fish)	lbs											50.0000	0.28	14.00		14.00					
Sacks	each											5.3400	0.39	2.08		2.08					
Crawf irrig single	acin			1.00	Mr			3.67		0.010	0.08					3.75					
Other labor	hour											0.1000	7.50	0.75		0.75					
Pickup truck	1/2 ton		1.000	0.09	Mr			0.47	0.39	0.086	0.64					1.51					
Crawfish combine	12 hp		0.075	21.00	Apr			1.05	1.17	1.733	12.99					15.21					
Mnuf. crawfish bait	lbs											105.0000	0.16	16.80		16.80					
Sacks	each											9.0090	0.39	3.51		3.51					
Crawf irrig single	acin			1.00	Apr			3.67		0.010	0.08					3.75					
Other labor	hour											0.1000	7.50	0.75		0.75					
Pickup truck	1/2 ton		1.000	0.09	Apr			0.49	0.41	0.090	0.67					1.58					
Rotary mower-levees	6.7 ft	43	0.500	0.05	Apr	0.16	0.07	0.02	0.06	0.029	0.22					0.52					
Crawfish combine	12 hp		0.075	18.00	My			0.90	1.00	1.485	11.14					13.04					
Mnuf. crawfish bait	lbs											90.0000	0.16	14.40		14.40					
Sacks	each											5.9400	0.39	2.32		2.32					
Crawf irrig single	acin			1.00	My			3.67		0.010	0.08					3.75					
Other labor	hour											0.3000	7.50	2.25		2.25					
Pickup truck	1/2 ton		1.000	0.08	My			0.42	0.35	0.077	0.58					1.35					
Rotary mower-levees	6.7 ft	43	0.500	0.05	My	0.16	0.07	0.02	0.06	0.029	0.22					0.52					
Rotary mower-levees	6.7 ft	43	0.500	0.05	Jun	0.16	0.07	0.02	0.06	0.029	0.22					0.52					
TOTALS								4.58	2.82	75.78	136.12	8.747	65.60		164.81	449.71					
INTEREST ON OPERATING CAPITAL																16.42					
UNALLOCATED LABOR																0.00					
TOTAL SPECIFIED COST																466.13					

Table 8.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Owner-Operator, 10-Acre Ponds, Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Catf pond&equip 6x10	acre			1.00	Jan			13.49	187.22							200.71
Catf irrig	acin			1.00	Jan			3.20	23.26	0.011	0.08					26.54
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			0.81	47.47	0.030	0.23					48.51
Catfish feed	ton											0.1500	240.00	36.00		36.00
Catf irrig	acin			1.00	Feb			3.50		0.012	0.09					3.59
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			0.81		0.030	0.23					1.04
Catfish feed	ton											0.1500	240.00	36.00		36.00
Pickup truck	1/2 ton		1.000	0.42	Feb			2.30	1.92	0.420	3.15					7.38
Catf irrig	acin			1.00	Mar			3.81		0.013	0.09					3.90
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			2.97		0.110	0.83					3.80
Catfish feed	ton											0.5500	240.00	132.00		132.00
Boat, Motor&Trailer	14 ft		0.075	0.75	Mar			3.62	6.06	0.062	0.46					10.14
Spring chemicals	lbs											18.0000	0.45	8.10		8.10
10Hp aerator-10	hour			1.00	Apr			0.76	42.00	0.600	4.50					47.26
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	Apr			3.50		0.012	0.09					3.59
Feeder truck	ton			1.00	Apr			2.97		0.110	0.83					3.80
Catfish feed	ton											0.5500	240.00	132.00		132.00
Pickup truck	1/2 ton		1.000	0.31	Apr			1.67	1.39	0.305	2.29					5.36
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	9.20	4.02	0.17	0.84	0.110	0.83					15.06
10Hp aerator-10	hour			1.00	May			0.76		0.600	4.50					5.26
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	May			3.96		0.013	0.10					4.06
Feeder truck	ton			1.00	May			2.97		0.110	0.83					3.80
Catfish feed	ton											0.5500	240.00	132.00		132.00
Pickup truck	1/2 ton		1.000	0.10	May			0.55	0.46	0.100	0.75					1.76
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 Munt Mower	6 ft	68	0.500	0.25	May	1.05	0.46	0.37	2.05	0.139	1.04					4.98
PTO aerator	hour	68	1.000	0.60	May	5.02	2.19	0.09	0.46	0.060	0.45					8.21
10Hp aerator-10	hour			1.00	Jun			1.77		1.400	10.50					12.27
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		0.007	0.05					2.18
Feeder truck	ton			1.00	Jun			2.97		0.110	0.83					3.80
Catfish feed	ton											0.4130	240.00	99.12		99.12
Medicated feed	ton											0.1370	495.00	67.82		67.82
Pickup truck	1/2 ton		1.000	0.15	Jun			0.82	0.69	0.150	1.13					2.63
PTO aerator	hour	68	1.000	1.40	Jun	11.71	5.12	0.21	1.07	0.140	1.05					19.16
10Hp aerator-10	hour			1.00	Jul			1.77		1.400	10.50					12.27
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			5.94		0.020	0.15					6.08
Feeder truck	ton			1.00	Jul			2.97		0.110	0.83					3.80
Catfish feed	ton											0.5500	240.00	132.00		132.00
Pickup truck	1/2 ton		1.000	0.15	Jul			0.82	0.69	0.150	1.13					2.63
PTO aerator	hour	68	1.000	1.40	Jul	11.71	5.12	0.21	1.07	0.140	1.05					19.16
10Hp aerator-10	hour			1.00	Aug			1.77		1.400	10.50					12.27
Other labor	hour											2.1000	7.50	15.75		15.75
Water consultant	acre											1.0000	1.75	1.75		1.75

Table 8.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Owner-Operator, 10-Acre Ponds,
(CON T) Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Catf irrig	acin			1.00	Aug			7.00		0.023	0.17				7.18
Feeder truck	ton			1.00	Aug			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.36	Aug			1.95	1.62	0.355	2.66				6.23
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 Munt Mower	6 ft	68	0.500	0.25	Aug	1.05	0.46	0.37	2.05	0.139	1.04				4.98
PTO aerator	hour	68	1.000	1.90	Aug	15.89	6.95	0.29	1.45	0.190	1.43				26.01
10Hp aerator-10	hour			1.00	Sep			1.77		1.400	10.50				12.27
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		0.014	0.11				4.37
Feeder truck	ton			1.00	Sep			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Sep			0.82	0.69	0.150	1.13				2.63
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	11.71	5.12	0.21	1.07	0.140	1.05				19.16
10Hp aerator-10	hour			1.00	Oct			0.76		0.600	4.50				5.26
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
Catf irrig	acin			1.00	Oct			7.00		0.023	0.17				7.18
Feeder truck	ton			1.00	Oct			2.97		0.110	0.83				3.80
Catfish feed	ton											0.4130	240.00	99.12	99.12
Mdicated feed	ton											0.1370	495.00	67.82	67.82
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	5.02	2.19	0.09	0.46	0.060	0.45				8.21
Catf irrig	acin			1.00	Nov			3.20		0.011	0.08				3.28
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
Boat, Mtor&Trailer	14 ft		0.075	0.18	Nov			0.87	1.45	0.015	0.11				2.43
Fall chemicals	lbs											8.8200	1.50	13.23	13.23
Pickup truck	1/2 ton		1.000	0.52	Nov			2.85	2.38	0.520	3.90				9.13
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			3.20		0.011	0.08				3.28
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
TOTALS								72.37	31.65	118.89	327.82	11.910	89.33		
INTEREST ON OPERATING CAPITAL															125.58
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3054.13

Table 9.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Owner-Operator, 10-Acre Ponds with Generator, Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIR	FIXED	DIR	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----						dollars		-----dollars-----	
Catf pond&equip 6x10	acre			1.00	Jan			13.49	187.22						200.71
Catf irrig (d)	acin			1.00	Jan			3.19	43.53	0.011	0.08				46.80
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			0.81	47.47	0.030	0.23				48.51
Catfish feed	ton											0.1500	240.00	36.00	36.00
Catf irrig (d)	acin			1.00	Feb			3.50		0.012	0.09				3.58
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
Pickup truck	1/2 ton		1.000	0.42	Feb			2.30	1.92	0.420	3.15				7.38
Catf irrig (d)	acin			1.00	Mar			3.80		0.013	0.09				3.89
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			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Boat, Motor&Trailer	14 ft		0.075	0.75	Mar			3.62	6.06	0.062	0.46				10.14
Spring chemicals	lbs											18.0000	0.45	8.10	8.10
10Hp aerator-10(d)	hour			1.00	Apr			0.91	42.00	0.600	4.50				47.41
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			3.50		0.012	0.09				3.58
Feeder truck	ton			1.00	Apr			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.31	Apr			1.67	1.39	0.305	2.29				5.36
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	9.20	4.02	0.17	0.84	0.110	0.83				15.06
10Hp aerator-10(d)	hour			1.00	May			0.91		0.600	4.50				5.41
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			3.95		0.013	0.10				4.05
Feeder truck	ton			1.00	May			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.10	May			0.55	0.46	0.100	0.75				1.76
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 Munt Mower	6 ft	68	0.500	0.25	May	1.05	0.46	0.37	2.05	0.139	1.04				4.98
PTO aerator	hour	68	1.000	0.60	May	5.02	2.19	0.09	0.46	0.060	0.45				8.21
10Hp aerator-10(d)	hour			1.00	Jun			2.12		1.400	10.50				12.62
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			2.13		0.007	0.05				2.18
Feeder truck	ton			1.00	Jun			2.97		0.110	0.83				3.80
Catfish feed	ton											0.4130	240.00	99.12	99.12
Medicated feed	ton											0.1370	495.00	67.82	67.82
Pickup truck	1/2 ton		1.000	0.15	Jun			0.82	0.69	0.150	1.13				2.63
PTO aerator	hour	68	1.000	1.40	Jun	11.71	5.12	0.21	1.07	0.140	1.05				19.16
10Hp aerator-10(d)	hour			1.00	Jul			2.12		1.400	10.50				12.62
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			5.93		0.020	0.15				6.07
Feeder truck	ton			1.00	Jul			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Jul			0.82	0.69	0.150	1.13				2.63
PTO aerator	hour	68	1.000	1.40	Jul	11.71	5.12	0.21	1.07	0.140	1.05				19.16
10Hp aerator-10(d)	hour			1.00	Aug			2.12		1.400	10.50				12.62
Other labor	hour											2.1000	7.50	15.75	15.75
Water consultant	acre											1.0000	1.75	1.75	1.75

Table 9.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Owner-Operator, 10-Acre Ponds with Generator, (CON'T) Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Catf irrig (d)	acin			1.00	Aug			6.99		0.023	0.17				7.16
Feeder truck	ton			1.00	Aug			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.36	Aug			1.95	1.62	0.355	2.66				6.23
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 Munt Mower	6 ft	68	0.500	0.25	Aug	1.05	0.46	0.37	2.05	0.139	1.04				4.98
PTO aerator	hour	68	1.000	1.90	Aug	15.89	6.95	0.29	1.45	0.190	1.43				26.01
10Hp aerator-10(d)	hour			1.00	Sep			2.12		1.400	10.50				12.62
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			4.25		0.014	0.11				4.36
Feeder truck	ton			1.00	Sep			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Sep			0.82	0.69	0.150	1.13				2.63
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	11.71	5.12	0.21	1.07	0.140	1.05				19.16
10Hp aerator-10(d)	hour			1.00	Oct			0.91		0.600	4.50				5.41
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
Catf irrig (d)	acin			1.00	Oct			6.99		0.023	0.17				7.16
Feeder truck	ton			1.00	Oct			2.97		0.110	0.83				3.80
Catfish feed	ton											0.4130	240.00	99.12	99.12
Mdicated feed	ton											0.1370	495.00	67.82	67.82
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	5.02	2.19	0.09	0.46	0.060	0.45				8.21
Catf irrig (d)	acin			1.00	Nov			3.19		0.011	0.08				3.27
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
Boat, Mtor&Trailer	14 ft		0.075	0.18	Nov			0.87	1.45	0.015	0.11				2.43
Fall chemicals	lbs											8.8200	1.50	13.23	13.23
Pickup truck	1/2 ton		1.000	0.52	Nov			2.85	2.38	0.520	3.90				9.13
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			3.19		0.011	0.08				3.27
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
TOTALS								72.37	31.65	120.65	348.09	11.910	89.33		
INTEREST ON OPERATING CAPITAL															125.66
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3076.25

Table 10.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Tenant-Operator, 10-Acre Ponds, Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Catf pond&eq 6x10(r)	acre			1.00	Jan			13.49	12.71							26.20
Rent (catf electric)	acre											1.0000	250.00	250.00		250.00
Catf irrig (r)	acin			1.00	Jan			3.05		0.011	0.08					3.13
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			0.81	47.47	0.030	0.23					48.51
Catfish feed	ton											0.1500	240.00	36.00		36.00
Catf irrig (r)	acin			1.00	Feb			3.34		0.012	0.09					3.42
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			0.81		0.030	0.23					1.04
Catfish feed	ton											0.1500	240.00	36.00		36.00
Pickup truck	1/2 ton		1.000	0.42	Feb			2.30	1.92	0.420	3.15					7.38
Catf irrig (r)	acin			1.00	Mar			3.63		0.013	0.09					3.72
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			2.97		0.110	0.83					3.80
Catfish feed	ton											0.5500	240.00	132.00		132.00
Boat, Motor&Trailer	14 ft		0.075	0.75	Mar			3.62	6.06	0.062	0.46					10.14
Spring chemicals	lbs											18.0000	0.45	8.10		8.10
10Hp aerator-10(r)	HOUR			1.00	Apr			0.76		0.600	4.50					5.26
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	Apr			3.34		0.012	0.09					3.42
Feeder truck	ton			1.00	Apr			2.97		0.110	0.83					3.80
Catfish feed	ton											0.5500	240.00	132.00		132.00
Pickup truck	1/2 ton		1.000	0.31	Apr			1.67	1.39	0.305	2.29					5.36
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	9.20	4.02	0.17	0.84	0.110	0.83					15.06
10Hp aerator-10(r)	HOUR			1.00	May			0.76		0.600	4.50					5.26
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	May			3.77		0.013	0.10					3.87
Feeder truck	ton			1.00	May			2.97		0.110	0.83					3.80
Catfish feed	ton											0.5500	240.00	132.00		132.00
Pickup truck	1/2 ton		1.000	0.10	May			0.55	0.46	0.100	0.75					1.76
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	68	0.500	0.25	May	1.05	0.46	0.37	2.05	0.139	1.04					4.98
PTO aerator	hour	68	1.000	0.60	May	5.02	2.19	0.09	0.46	0.060	0.45					8.21
10Hp aerator-10(r)	HOUR			1.00	Jun			1.77		1.400	10.50					12.27
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			2.03		0.007	0.05					2.08
Feeder truck	ton			1.00	Jun			2.97		0.110	0.83					3.80
Catfish feed	ton											0.4130	240.00	99.12		99.12
Medicated feed	ton											0.1370	495.00	67.82		67.82
Pickup truck	1/2 ton		1.000	0.15	Jun			0.82	0.69	0.150	1.13					2.63
PTO aerator	hour	68	1.000	1.40	Jun	11.71	5.12	0.21	1.07	0.140	1.05					19.16
10Hp aerator-10(r)	HOUR			1.00	Jul			1.77		1.400	10.50					12.27
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			5.66		0.020	0.15					5.81
Feeder truck	ton			1.00	Jul			2.97		0.110	0.83					3.80
Catfish feed	ton											0.5500	240.00	132.00		132.00
Pickup truck	1/2 ton		1.000	0.15	Jul			0.82	0.69	0.150	1.13					2.63
PTO aerator	hour	68	1.000	1.40	Jul	11.71	5.12	0.21	1.07	0.140	1.05					19.16
10Hp aerator-10(r)	HOUR			1.00	Aug			1.77		1.400	10.50					12.27
Other labor	hour											2.1000	7.50	15.75		15.75
Water consultant	acre											1.0000	1.75	1.75		1.75

Table 10.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Tenant-Operator, 10-Acre Ponds,
(CON T) Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Catf irrig (r)	acin			1.00	Aug			6.68		0.023	0.17				6.85
Feeder truck	ton			1.00	Aug			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.36	Aug			1.95	1.62	0.355	2.66				6.23
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 Munt Mower	6 ft	68	0.500	0.25	Aug	1.05	0.46	0.37	2.05	0.139	1.04				4.98
PTO aerator	hour	68	1.000	1.90	Aug	15.89	6.95	0.29	1.45	0.190	1.43				26.01
10Hp aerator-10(r)	HDUR			1.00	Sep			1.77		1.400	10.50				12.27
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			4.06		0.014	0.11				4.17
Feeder truck	ton			1.00	Sep			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Sep			0.82	0.69	0.150	1.13				2.63
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	11.71	5.12	0.21	1.07	0.140	1.05				19.16
10Hp aerator-10(r)	HDUR			1.00	Oct			0.76		0.600	4.50				5.26
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
Catf irrig (r)	acin			1.00	Oct			6.68		0.023	0.17				6.85
Feeder truck	ton			1.00	Oct			2.97		0.110	0.83				3.80
Catfish feed	ton											0.4130	240.00	99.12	99.12
Mdicated feed	ton											0.1370	495.00	67.82	67.82
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	5.02	2.19	0.09	0.46	0.060	0.45				8.21
Catf irrig (r)	acin			1.00	Nov			3.05		0.011	0.08				3.13
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
Boat, Mtor&Trailer	14 ft		0.075	0.18	Nov			0.87	1.45	0.015	0.11				2.43
Fall chemicals	lbs											8.8200	1.50	13.23	13.23
Pickup truck	1/2 ton		1.000	0.52	Nov			2.85	2.38	0.520	3.90				9.13
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		0.011	0.08				3.13
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
TOTALS								72.37	31.65	116.52	88.05	11.910	89.33		
INTEREST ON OPERATING CAPITAL															150.46
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3086.86

Table 11.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Tenant-Operator, 10-Acre Ponds with Generator, Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRRECT	FIXED	DIRRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----						dollars		-----dollars-----	
Catf pond&eq 6x10(r)	acre			1.00	Jan			13.49	12.71						26.20
Rent (catf diesel)	acre											1.0000	250.00	250.00	250.00
Catf irrig (d,r)	acin			1.00	Jan			2.86		0.011	0.08				2.94
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			0.81	47.47	0.030	0.23				48.51
Catfish feed	ton											0.1500	240.00	36.00	36.00
Catf irrig (d,r)	acin			1.00	Feb			3.14		0.012	0.09				3.22
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
Pickup truck	1/2 ton		1.000	0.42	Feb			2.30	1.92	0.420	3.15				7.38
Catf irrig (d,r)	acin			1.00	Mar			3.41		0.013	0.09				3.50
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			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Boat, Motor&Trailer	14 ft		0.075	0.75	Mar			3.62	6.06	0.062	0.46				10.14
Spring chemicals	lbs											18.0000	0.45	8.10	8.10
10Hp aerator-10(d,r)	HDUR			1.00	Apr			0.91		0.600	4.50				5.41
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	Apr			3.14		0.012	0.09				3.22
Feeder truck	ton			1.00	Apr			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.31	Apr			1.67	1.39	0.305	2.29				5.36
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	9.20	4.02	0.17	0.84	0.110	0.83				15.06
10Hp aerator-10(d,r)	HDUR			1.00	May			0.91		0.600	4.50				5.41
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			3.54		0.013	0.10				3.64
Feeder truck	ton			1.00	May			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.10	May			0.55	0.46	0.100	0.75				1.76
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 Munt Mower	6 ft	68	0.500	0.25	May	1.05	0.46	0.37	2.05	0.139	1.04				4.98
PTO aerator	hour	68	1.000	0.60	May	5.02	2.19	0.09	0.46	0.060	0.45				8.21
10Hp aerator-10(d,r)	HDUR			1.00	Jun			2.12		1.400	10.50				12.62
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			1.91		0.007	0.05				1.96
Feeder truck	ton			1.00	Jun			2.97		0.110	0.83				3.80
Catfish feed	ton											0.4130	240.00	99.12	99.12
Medicated feed	ton											0.1370	495.00	67.82	67.82
Pickup truck	1/2 ton		1.000	0.15	Jun			0.82	0.69	0.150	1.13				2.63
PTO aerator	hour	68	1.000	1.40	Jun	11.71	5.12	0.21	1.07	0.140	1.05				19.16
10Hp aerator-10(d,r)	HDUR			1.00	Jul			2.12		1.400	10.50				12.62
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			5.32		0.020	0.15				5.46
Feeder truck	ton			1.00	Jul			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Jul			0.82	0.69	0.150	1.13				2.63
PTO aerator	hour	68	1.000	1.40	Jul	11.71	5.12	0.21	1.07	0.140	1.05				19.16
10Hp aerator-10(d,r)	HDUR			1.00	Aug			2.12		1.400	10.50				12.62
Other labor	hour											2.1000	7.50	15.75	15.75

Table 11.B Estimated Resource Use and Costs for Field Operations, per Acre, Catfish, Tenant-Operator, 10-Acre Ponds with Generator, (CON'T) Louisiana, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				-----dollars-----					
Water consultant	acre											1.0000	1.75	1.75	1.75
Catf irrig (d,r)	acin			1.00	Aug			6.27		0.023	0.17				6.44
Feeder truck	ton			1.00	Aug			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.36	Aug			1.95	1.62	0.355	2.66				6.23
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	68	0.500	0.25	Aug	1.05	0.46	0.37	2.05	0.139	1.04				4.98
PTO aerator	hour	68	1.000	1.90	Aug	15.89	6.95	0.29	1.45	0.190	1.43				26.01
10Hp aerator-10(d,r)	HOUR			1.00	Sep			2.12		1.400	10.50				12.62
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			3.82		0.014	0.11				3.92
Feeder truck	ton			1.00	Sep			2.97		0.110	0.83				3.80
Catfish feed	ton											0.5500	240.00	132.00	132.00
Pickup truck	1/2 ton		1.000	0.15	Sep			0.82	0.69	0.150	1.13				2.63
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	11.71	5.12	0.21	1.07	0.140	1.05				19.16
10Hp aerator-10(d,r)	HOUR			1.00	Oct			0.91		0.600	4.50				5.41
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
Catf irrig (d,r)	acin			1.00	Oct			6.27		0.023	0.17				6.44
Feeder truck	ton			1.00	Oct			2.97		0.110	0.83				3.80
Catfish feed	ton											0.4130	240.00	99.12	99.12
Medicated feed	ton											0.1370	495.00	67.82	67.82
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	5.02	2.19	0.09	0.46	0.060	0.45				8.21
Catf irrig (d,r)	acin			1.00	Nov			2.86		0.011	0.08				2.94
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
Boat, Motor&Trailer	14 ft		0.075	0.18	Nov			0.87	1.45	0.015	0.11				2.43
Fall chemicals	lbs											8.8200	1.50	13.23	13.23
Pickup truck	1/2 ton		1.000	0.52	Nov			2.85	2.38	0.520	3.90				9.13
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			2.86		0.011	0.08				2.94
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			0.81		0.030	0.23				1.04
Catfish feed	ton											0.1500	240.00	36.00	36.00
TOTALS								72.37	31.65	115.45	88.05	11.910	89.33		
INTEREST ON OPERATING CAPITAL															150.40
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3085.74

Appendix Table 1. A Summary of Projected Costs Based on Reduced Fishing Days for Crawfish and Crawfish-Rice Production, Louisiana, 2001.

	Base	-10%	-20%	-30%
Crawfish Enterprises:				
Northeast Louisiana				
Non-aerated, Owner				
Fishing Days	88	79	71	61
Direct Expenses	\$237.46	\$225.18	\$214.23	\$200.60
Fixed Expenses	\$130.66	\$130.16	\$129.71	\$129.16
Total Expenses	\$368.12	\$355.34	\$343.94	\$329.76
Southwest Louisiana				
Non-aerated, Owner				
Fishing Days	94	85	75	66
Direct Expenses	\$327.20	\$309.91	\$290.35	\$272.38
Fixed Expenses	\$138.93	\$138.43	\$137.88	\$137.38
Total Expenses	\$466.13	\$448.34	\$414.18	\$409.76
Crawfish-Rice, Owner				
Fishing Days	70	64	56	49
Direct Expenses	\$622.97	\$612.67	\$599.07	\$586.86
Fixed Expenses	\$126.57	\$126.24	\$125.79	\$125.40
Total Expenses	\$749.54	\$738.91	\$724.86	\$712.26

Appendix Table 2. Operating Inputs: Estimated Prices, Louisiana, 2001.

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
CUSTOM					
Airplane fert	cwt	4.52	Airplane seed	acre	4.50
Airplane stam	acre	5.23	Custom haul catfish	lbs	0.02
Custom restk catfish	thou	25.00	Drying rice	cwt	0.93
Fertilizer truck	acre	3.95	Harv & haul catfish	cwt	5.00
Storage rice	cwt	0.45	Water consultant	acre	1.75
BAIT					
Crawfish bait (fish)	lbs	0.28	Mnuf. crawfish bait	lbs	0.16
FEED					
Catfish feed	ton	240.00	Medicated feed	ton	495.00
FERTILIZER					
Nitrogen	lbs	0.25	Phosphate	lbs	0.19
Potash	lbs	0.14	Urea (45%)	lbs	0.10
HERBICIDES					
2, 4-D LV4	pt	2.39	Fall chemicals	lbs	1.50
Spring chemicals	lbs	0.45	Stam M	qt	4.92
HIRED LABOR					
Other labor	hour	7.50	Predator cntrl labor	hour	7.50
OTHER					
Fingerlings	thou	75.00	Hip boots	pair	71.05
Propane	tank	11.00	Rent	acre	250.00
Sacks	each	0.39	Seed crawfish	lbs	1.25
Shotgun shells	box	5.00	Stunted crawfish	lbs	0.35
Waders	pair	120.00			
SEED					
Common bermuda seed	lbs	2.06	Rice seed	lbs	0.16
Rice seed for cf	lbs	0.14	Ryegrass seed	lbs	0.26

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, 2001

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	CONS RATE	-- DIRECT COST --	-- FIXED COST --		
		hrs/ac	years	hours	dollars	percent	/hour	\$/hr	\$/ac		
Double Hitch	0		10	1000	0	100	0.00	0.00	0.00		
Large 4 wheel drive	300		16	625	115,000	96	14.40	27.89	15.65		
Pickup Truck	1\2 ton		5	800	17,000	45	2.50	5.49	4.44		
Small 4 wheel drive	225		16	625	95,500	96	10.80	21.80	13.00		
Tractor - PTO	68		16	625	25,000	138	4.20	8.36	3.40		
Tractor 106-130	118		16	625	70,000	104	6.80	15.24	9.53		
Tractor 131-155	143		16	625	80,000	99	8.10	17.40	10.89		
Tractor 15-30	23		16	625	12,000	170	1.60	4.33	1.63		
Tractor 156-180	168		16	625	90,000	95	9.70	19.90	12.25		
Tractor 31-55	43		16	625	17,500	159	2.70	5.94	2.38		
Tractor 56-80	68		16	625	25,000	138	4.20	8.36	3.40		
Tractor 80-105	93		16	625	50,000	108	5.40	11.72	6.80		
Tractor 80-105 (GC)	93		16	625	50,000	108	4.00	10.08	6.80		
2 man cf combine	12 hp	0.063	10	923	6,500	40	0.30	0.71	0.04	0.84	0.05
Boat, Mtor&Trailer	14 ft	0.075	8	4	3,150	65	4.00	64.43	4.83	102.84	7.71
Combine Rice	20 Ft	0.300	10	300	165,000	60	7.10	41.31	12.39	65.34	19.60
Crawfish combine	12 hp	0.075	10	1098	6,500	40	0.30	0.67	0.05	0.70	0.05
Pickup truck	1/2 ton	1.000	5	800	17,000	45	2.50	5.49	5.49	4.44	4.44
Truck	5 ton	1.000	10	400	37,000	50	5.00	11.78	11.78	10.99	10.99

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, 2001

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	7.13	7.13
Cultimulcher	12 Ft	0.160	15	120	5,500	88	2.69	0.43	4.07	0.65
Disk	20 ft	0.100	10	200	17,500	88	7.70	0.77	10.40	1.04
Ditcher rotary	1.5 ft	0.050	10	100	2,500	88	2.20	0.11	2.97	0.15
Ditcher side	1.5	0.050	10	100	3,750	88	3.30	0.17	4.46	0.22
Dozer blade	8 ft	0.850	20	100	3,500	66	1.16	0.98	2.58	2.20
Drag	14 ft	0.130	8	200	800	88	0.44	0.06	0.57	0.07
Fertilizer buggy	30 ft	0.060	10	150	6,500	88	3.81	0.23	5.15	0.31
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	0.35	5.20	0.47
Grain cart	450 bu	1.000	15	175	9,000	71	2.43	2.43	4.57	4.57
Grain drill	12 ft	0.210	8	200	7,500	77	3.61	0.76	5.30	1.11
Grain drill	20 ft	0.100	8	200	16,500	77	7.94	0.79	11.66	1.17
Harrow	6 Ft	0.410	10	200	800	88	0.35	0.14	0.48	0.19
Levee plow	8 Ft	0.050	10	150	4,600	50	1.53	0.08	3.64	0.18
PTO aerator	hour	1.000	10	426	2,600	25	0.15	0.15	0.73	0.73
Rotary mower	13.3 ft	0.130	10	150	7,000	44	2.05	0.27	5.54	0.72
Rotary mower-levees	6.7 ft	0.500	10	150	2,500	44	0.73	0.37	1.98	0.99
Side Munt Mower	6 ft	0.500	6	50	4,400	20	2.93	1.47	15.73	7.87
Spike harrow	18 ft	0.125	10	200	2,000	88	0.88	0.11	1.19	0.15
Tractor blade	6 ft	1.000	15	100	500	137	0.46	0.46	0.44	0.44
Water level	16 Ft	0.220	15	100	2,750	66	1.21	0.27	2.44	0.54

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, 1999.

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 PWEL (CF)	hour	0.005	0.575	0.057		21.00
10 HP ss pdwl	hour	0.107	11.500	1.142		73.26
10HP Aerator-10	hour	0.023	1.150	0.126		42.00
10HP Aerator-10(D)	hour	0.023	0.110	0.110		42.00
10HP Aerator-10(D,R)	HOUR	0.023	0.110	0.110		
10HP Aerator-10(R)	HOUR	0.023	1.150	0.126		
Catfish Irr	acin	0.125	15.525	1.523		23.26
Catfish Irr (D)	acin	0.253	1.082	1.108		43.53
Catfish Irr (D,R)	acin	0.097	1.082	0.952		
Catfish irr (R)	acin	0.054	15.525	1.451		
CF P&E (recirculate)	acre	7.073	0.000	7.073		95.13
Feeder Truck	ton	3.693	1.200	5.133		47.47
IRR CF Double	acin	0.272	1.161	1.189		31.44
IRR CF North	acin	0.324	0.708	0.884		15.17
IRR CF Single	acin	0.477	1.161	1.394		31.44
P&E CF Double	acre	0.770	0.000	0.770		42.01
P&E CF North	acre	10.340	0.000	10.340		102.05
P&E CF Single	acre	6.620	0.000	6.620		95.03

**Appendix Table 6. Estimated Costs per Acre, Overhead Costs,
Tenant-Operator, Louisiana, 2001.**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HIRED LABOR					
Other labor	hour	7.50	0.7600	5.70	_____
OTHER					
Farnstead & drainage	dol	1.00	1.5700	1.57	_____
Utilities	dol	1.00	2.8100	2.81	_____
Msc. overhead	dol	1.00	1.6000	1.60	_____
Insurance	dol	1.00	2.2900	2.29	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.1650	1.24	_____
Self-Propelled Eq.	hour	7.50	1.5000	11.25	_____
Shop bld. & equip.	hour	7.50	0.5800	4.35	_____
DIESEL FUEL					
Tractors	gal	1.17	0.4050	0.47	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	3.7500	5.36	_____
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	_____
Tractors	acre	0.42	1.0000	0.42	_____
Self-Propelled Eq.	acre	2.87	1.0000	2.87	_____
Shop bld. & equip.	acre	6.66	1.0000	6.66	_____
INTEREST ON OP. CAP.	acre	2.45	1.0000	2.45	_____
TOTAL DIRECT EXPENSES				49.15	_____
FIXED EXPENSES					
Implements	acre	0.31	1.0000	0.31	_____
Tractors	acre	0.38	1.0000	0.38	_____
Self-Propelled Eq.	acre	6.86	1.0000	6.86	_____
Shop bld. & equip.	acre	5.66	1.0000	5.66	_____
TOTAL FIXED EXPENSES				13.22	_____
TOTAL SPECIFIED EXPENSES				62.37	_____

Appendix Table 7. Estimated costs per Acre, Overhead Costs, Owner-Operators, Louisiana, 2001.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HIRED LABOR					
Other labor	hour	7.50	1.2700	9.53	_____
OTHER					
Farnstead & drainage	dol	1.00	4.2500	4.25	_____
Utilities	dol	1.00	4.7900	4.79	_____
Msc. overhead	dol	1.00	1.6000	1.60	_____
Insurance	dol	1.00	2.7300	2.73	_____
Property tax	dol	1.00	1.6000	1.60	_____
OPERATOR LABOR					
Tractors	hour	7.50	0.1650	1.24	_____
Self-Propelled Eq.	hour	7.50	1.5000	11.25	_____
Shop bld. & equip.	hour	7.50	0.5800	4.35	_____
DIESEL FUEL					
Tractors	gal	1.17	0.4050	0.47	_____
GASOLINE					
Self-Propelled Eq.	gal	1.43	3.7500	5.36	_____
REPAIR & MAINTENANCE					
Implements	acre	0.11	1.0000	0.11	_____
Tractors	acre	0.42	1.0000	0.42	_____
Self-Propelled Eq.	acre	2.87	1.0000	2.87	_____
Shop bld. & equip.	acre	6.66	1.0000	6.66	_____
INTEREST ON OP. CAP.	acre	2.95	1.0000	2.95	_____
TOTAL DIRECT EXPENSES				60.17	_____
FIXED EXPENSES					
Implements	acre	0.31	1.0000	0.31	_____
Tractors	acre	0.38	1.0000	0.38	_____
Self-Propelled Eq.	acre	6.86	1.0000	6.86	_____
Shop bld. & equip.	acre	5.66	1.0000	5.66	_____
TOTAL FIXED EXPENSES				13.22	_____
TOTAL SPECIFIED EXPENSES				73.39	_____

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 6×10	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