
**2007
Projected
Commodity
Costs
And
Returns**

**Crawfish and Catfish
Production in Louisiana**

Robert W. Boucher and Jeffrey M. Gillespie



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**PROJECTED COSTS AND RETURNS FOR CRAWFISH
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IN LOUISIANA, 2007**

by

Robert W. Boucher and Jeffrey M. Gillespie



**Louisiana State University Agricultural Center
William B. Richardson, Chancellor**

**Louisiana Agricultural Experiment Station
William H. Brown, Vice-Chancellor and Director**

Department of Agricultural Economics and Agribusiness

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TABLE OF CONTENTS

	PAGE
INTRODUCTION	B-1
CRAWFISH BUDGETS	B-1
CATFISH BUDGETS	B-2
SUMMARY	B-2

LIST OF TABLES

TABLE		PAGE
1	A Summary of Projected Costs per Acre for Crawfish and Crawfish-Rice Production, Louisiana, 2007.	B-3
2	Breakeven Selling Prices for Crawfish for Selected Yield Levels, Louisiana, 2007.	B-3
3	A Summary of Projected Costs and Returns per Acre for Catfish Production, Louisiana, 2007.	B-4
4	Breakeven Selling Prices for Catfish for Selected Yield Levels, Louisiana, 2007.	B-4
5A	Estimated Costs and Returns per Acre, Single Crop Crawfish, Owner-Operator, North Louisiana, 2007.	B-5
6A	Estimated Costs and Returns per Acre, Single Crop Crawfish, Owner-Operator, Southwest Louisiana, 2007.	B-6
7A	Estimated Costs and Returns per Acre, Rice-Crawfish Double Crop, Owner-Operator, Southwest Louisiana, 2007.	B-7
8A	Estimated Costs and Returns per Acre, Catfish, Owner-Operator, 10-Acre Ponds, Louisiana, 2007.	B-8
9A	Estimated Costs and Returns per Acre, Catfish, Owner-Operator, 10-Acre Ponds with Generator, Louisiana, 2007.	B-9
10A	Estimated Costs and Returns per Acre, Catfish, Tenant-Operator, 10-Acre Ponds, Louisiana, 2007.	B-10
11A	Estimated Costs and Returns per Acre, Catfish, Tenant-Operator, 10-Acre Ponds with Generator, Louisiana, 2007.	B-11
5B	Estimated Resource Use and Costs for Field Operations per Acre, Single Crop Crawfish, Owner-Operator, North Louisiana, 2007.	B-12
6B	Estimated Resource Use and Costs for Field Operations per Acre, Single Crop Crawfish, Owner-Operator, Southwest Louisiana, 2007.	B-13

TABLE	PAGE
7B Estimated Resource Use and Costs for Field Operations per Acre, Rice - Crawfish Double Crop, Owner-Operator, Southwest Louisiana, 2007.	B-14
8B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10-Acre Ponds, Louisiana, 2007.	B-15
9B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10-Acre Ponds with Generator, Louisiana, 2007.	B-17
10B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10-Acre Ponds, Louisiana, 2007.	B-19
11B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10-Acre Ponds with Generator, Louisiana, 2007.	B-21

APPENDIX TABLE

1 A Summary of Projected Costs Based on Reduced Fishing Days for Crawfish and Crawfish-Rice Production, Louisiana, 2007.	B-23
2 Operating Inputs: Estimated Prices, Louisiana, 2007.	B-24
3 Powered Equipment: Estimated Useful Life, Annual Use, Purchase Price, Repair Cost, Fuel Consumption Rate, and Direct and Fixed Cost per Hour, Louisiana, 2007.	B-24
4 Implements: Estimated Performance Rate, Useful Life, Annual Use, Purchase Price, Repair Cost, and Direct and Fixed Cost per Hour and per Acre, Louisiana, 2007.	B-25
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, 2007.	B-25
6 Definitions of Selected Line Items in the Crawfish and Catfish Production Budgets	B-26

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INTRODUCTION

Aquaculture production enterprises, like other farm enterprises, require advanced planning to make production and 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 situations.

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 sized 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 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

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

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, 2007.

Crop Description	Yield Per Acre	Direct Expenses	Fixed Expenses	Total Expenses
	Pounds	----- Dollars per Acre -----		
Crawfish Enterprises:				
Northeast Louisiana				
Non-aerated, Owner b	600.00	320.63	159.70	480.33
Southwest Louisiana				
Non-aerated, Owner b	1200.00	521.74	167.84	689.58
Crawfish-Rice, Owner a b	700+5700	966.70	202.52	1169.22

a Income for rice was calculated by multiplying the market price of \$10.50 by actual yield.

b Land costs are not included.

c Yield includes 700 lbs of crawfish and 58 cwt of rice.

Table 2. Breakeven Selling Prices for Crawfish for Selected Yield Levels, Louisiana, 2007.

	Total Costs a	Total Variable Costs	Base Yield Level	-20	-10	Yield Level Base	10	20
	--Dollar/Acre---		lb.	----- Dollars/Lb.-----				
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS								
Crawfish Enterprises:								
Northeast Louisiana								
Non-aerated, Owner	480.33		600	1.00	0.89	0.80	0.73	0.67
Southwest Louisiana								
Non-aerated, Owner	689.58		1200	0.72	0.64	0.57	0.52	0.48
Crawfish-Rice, Owner b	571.40		700	1.02	0.91	0.82	0.74	0.68
PRICES REQUIRED TO RECOVER VARIABLE COSTS								
Crawfish Enterprises:								
Northeast Louisiana								
Non-aerated, Owner		320.63	600	0.67	0.59	0.53	0.49	0.45
Southwest Louisiana								
Non-aerated, Owner		521.74	1200	0.54	0.48	0.43	0.40	0.36
Crawfish-Rice, Owner b		465.52	700	0.83	0.74	0.67	0.60	0.55

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, 2007.

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	3960.00	3251.12	708.88	443.65	3694.77	265.23	
Six 10 acre ponds, Diesel Pwr, Owner a	52.80	3960.00	3392.06	567.94	461.20	3853.26	106.74	
Six 10 acre ponds, Elec Pwr, Tenant b	52.80	3960.00	3468.75	491.25	186.28	3655.03	304.97	
Six 10 acre ponds, Diesel Pwr, Tenant b	52.80	3960.00	3606.35	353.65	186.25	3792.63	167.37	

a Land costs are not included for owner-operator.

b Rental arrangements consist of a yearly fee of \$200 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, 2007.

	Total Costs	Total Variable Costs	Base Yield Level	Yield Level				
				-20	-10	Base	10	20
	---Dollar/Acre---	cwt.		----- Dollars/Cwt. -----				
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS								
Six 10 acre ponds, Elec Pwr, Owner a	3694.77		52.8	87.47	77.75	69.98	63.62	58.31
Six 10 acre ponds, Diesel Pwr, Owner a	3853.26		52.8	91.22	81.09	72.98	66.34	60.82
Six 10 acre ponds, Elec Pwr, Tenant b	3655.03		52.8	86.53	76.92	69.22	62.93	57.69
Six 10 acre ponds, Diesel Pwr, Tenant b	3792.63		52.8	89.79	79.81	71.83	65.30	59.86
PRICES REQUIRED TO RECOVER VARIABLE COSTS								
Six 10 acre ponds, Elec Pwr, Owner a		3251.12	52.8	76.97	68.42	61.57	55.98	51.31
Six 10 acre ponds, Diesel Pwr, Owner a		3392.06	52.8	80.30	71.38	64.24	58.40	53.54
Six 10 acre ponds, Elec Pwr, Tenant b		3468.75	52.8	82.12	73.00	65.70	59.72	54.75
Six 10 acre ponds, Diesel Pwr, Tenant b		3606.35	52.8	85.38	75.89	68.30	62.09	56.92

a Land costs are not included for owner-operator.

b Rental arrangements consist of a yearly fee of \$200 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, 2007.

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		_____

TOTAL INCOME					_____
DIRECT EXPENSES					
BAIT					
Manuf. crawfish bait	lbs	0.22	330.0000	72.60	_____
FERTILIZER					
Nitrogen	lbs	0.39	51.0000	19.89	_____
Phosphate	lbs	0.31	51.0000	15.81	_____
Potash	lbs	0.22	51.0000	11.22	_____
HIRED LABOR					
Irrigation labor	hour	9.60	1.5000	14.40	_____
OTHER					
Hip boots	pair	74.95	0.0083	0.62	_____
Sacks	each	0.40	15.0260	6.01	_____
SEED					
Rice seed	lbs	0.21	100.0000	21.00	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.5033	4.83	_____
Self-Propelled Eq.	hour	9.60	7.2600	69.69	_____
IRRIGATION LABOR					
Crawf irrig north LA	hour	9.60	0.2400	2.30	_____
DIESEL FUEL					
Tractors	gal	2.10	2.7909	5.86	_____
Crawf irrig north LA	gal	2.10	16.9920	35.68	_____
GASOLINE					
Self-Propelled Eq.	gal	2.30	1.9800	4.55	_____
REPAIR & MAINTENANCE					
Implements		2.85	1.0000	2.85	_____
Tractors		0.88	1.0000	0.88	_____
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.		10.69	1.0000	10.69	_____

TOTAL DIRECT EXPENSES				320.63	_____
FIXED EXPENSES					
Implements		6.21	1.0000	6.21	_____
Tractors		5.83	1.0000	5.83	_____
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	_____

TOTAL FIXED EXPENSES				159.70	_____
TOTAL SPECIFIED EXPENSES				480.34	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	95.00	1.0000	95.00	_____
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, 2007.

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	5.00	0.7500	3.75	_____
BAIT					
Crawfish bait (fish)	lbs	0.35	225.0000	78.75	_____
Manuf. crawfish bait	lbs	0.22	245.0000	53.90	_____
FERTILIZER					
Urea (45%)	lbs	0.18	75.0000	13.50	_____
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	2.10	1.7397	3.65	_____
Self-Propelled Eq.	gal	2.10	1.0075	2.11	_____
Crawf irrig single	gal	2.10	73.4910	154.33	_____
GASOLINE					
Self-Propelled Eq.	gal	2.30	2.1150	4.86	_____
REPAIR & MAINTENANCE					
Implements		1.36	1.0000	1.36	_____
Tractors		0.53	1.0000	0.53	_____
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.		24.57	1.0000	24.57	_____

TOTAL DIRECT EXPENSES				521.74	_____
FIXED EXPENSES					
Implements		3.30	1.0000	3.30	_____
Tractors		3.53	1.0000	3.53	_____
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				167.84	_____
TOTAL SPECIFIED EXPENSES				689.58	_____
ALLOCATED COST ITEMS					
Overhead (owner)	acre	95.00	1.0000	95.00	_____
Land (oppor. cost)	acre	45.00	1.0000	45.00	_____

Table 7.A Estimated costs and returns per Acre, Rice-Crawfish
 Double Crop, in Field Rotation, Owner-Operator,
 Southwest, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	cwt	10.50	58.0000	609.00	
Rice Checkoff	cwt	0.08	-58.0000	-4.64	
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				604.36	
DIRECT EXPENSES					
CUSTOM					
Airplane fert	cwt	5.00	3.8000	19.00	
Global pos. system	acre	0.35	9.0000	3.15	
Airplane seed	cwt	5.60	1.2000	6.72	
App by air	appl	4.50	5.0000	22.50	
Drying rice	cwt	0.90	65.0000	58.50	
Haul rice	cwt	0.25	58.0000	14.50	
BAIT					
Crawfish bait (fish)	lbs	0.35	84.3750	29.53	
Manuf. crawfish bait	lbs	0.22	226.8750	49.91	
FERTILIZER					
Nitrogen	lbs	0.39	130.0000	50.70	
Phosphate	lbs	0.31	40.0000	12.40	
Potash	lbs	0.22	60.0000	13.20	
FUNGICIDES					
Quadris	oz	1.91	10.0000	19.10	
HERBICIDES					
Facet 75DF	lb	48.37	0.5000	24.18	
Londax 60DF	oz	10.92	1.0000	10.92	
2,4-D Amine 4	pt	1.66	2.5000	4.15	
HIRED LABOR					
Other labor	hour	9.60	0.0500	0.48	
Irrigation labor	hour	9.60	2.0000	19.20	
INSECTICIDES					
Karate Z	oz	3.00	4.0000	12.00	
OTHER					
Rice gate	each	3.65	1.0000	3.65	
Seed crawfish	lbs	1.00	60.0000	60.00	
Hip boots	pair	74.95	1.0000	74.95	
Sacks	each	0.40	31.2900	12.51	
SEED					
Rice seed	lbs	0.21	120.0000	25.20	
OPERATOR LABOR					
Tractors	hour	9.60	1.1655	11.18	
Self-Propelled Eq.	hour	9.60	7.2415	69.51	
IRRIGATION LABOR					
Crawf irrig double	hour	9.60	0.2580	2.47	
Irrigation system 1	hour	9.60	0.3000	2.88	
OWNER LABOR					
Self-Propelled Eq.	hour	15.30	0.3300	5.04	
DIESEL FUEL					
Tractors	gal	2.10	12.7836	26.84	
Self-Propelled Eq.	gal	2.10	3.5650	7.48	
Crawf irrig double	gal	2.10	47.8805	100.54	
Irrigation system 1	gal	2.10	53.9580	113.31	
GASOLINE					
Self-Propelled Eq.	gal	2.30	1.8675	4.29	
REPAIR & MAINTENANCE					
Implements		4.13	1.0000	4.13	
Tractors		4.48	1.0000	4.48	
Self-Propelled Eq.		17.56	1.0000	17.56	
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.		39.22	1.0000	39.22	
TOTAL DIRECT EXPENSES				966.70	
FIXED EXPENSES					
Implements		8.40	1.0000	8.40	
Tractors		30.33	1.0000	30.33	
Self-Propelled Eq.		32.13	1.0000	32.13	
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				202.52	
TOTAL SPECIFIED EXPENSES				1169.22	
ALLOCATED COST ITEMS					
Overhead (owner)	acre	95.00	1.0000	95.00	

Table 8.A Estimated Costs and Returns per Acre, Catfish,
Owner-Operator, 10 Acre Ponds, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Catfish	cwt	75.00	4.8000	360.00	_____
Catfish	cwt	75.00	10.0000	750.00	_____
Catfish	cwt	75.00	9.5000	712.50	_____
Catfish	cwt	75.00	6.9000	517.50	_____
Catfish	cwt	75.00	10.0000	750.00	_____
Catfish	cwt	75.00	11.6000	870.00	_____
TOTAL INCOME				3960.00	_____
DIRECT EXPENSES					
CUSTOM					
Water consultant	acre	1.75	12.0000	21.00	_____
Harv & haul catfish	cwt	5.50	52.8000	290.40	_____
Custom restk catfish	thou	25.00	5.5000	137.50	_____
FEED					
Catfish feed	ton	260.00	4.7260	1228.76	_____
Medicated feed	ton	706.00	0.2740	193.44	_____
HERBICIDES					
Spring chemicals	lbs	0.60	18.0000	10.80	_____
Fall chemicals	lbs	1.90	8.8200	16.75	_____
HIRED LABOR					
Other labor	hour	9.60	20.2000	193.92	_____
OTHER					
Propane	tank	15.00	0.3000	4.50	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	110.00	5.5000	605.00	_____
OPERATOR LABOR					
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	_____
IRRIGATION LABOR					
Catf irrig	hour	9.60	0.3330	3.19	_____
DIESEL FUEL					
Tractors	gal	2.10	33.3967	70.13	_____
Self-Propelled Eq.	gal	2.10	5.3750	11.28	_____
ELECTRICITY					
10Hp aerator-10	kWh	0.09	851.0000	76.59	_____
Catf irrig	kWh	0.09	516.9825	46.52	_____
GASOLINE					
Self-Propelled Eq.	gal	2.30	0.2790	0.64	_____
Feeder truck	gal	2.30	6.0000	13.80	_____
REPAIR & MAINTENANCE					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	7.96	1.0000	7.96	_____
Self-Propelled Eq.	acre	8.66	1.0000	8.66	_____
10Hp aerator-10	hour	0.02	74.0000	1.92	_____
Feeder truck	ton	4.06	5.0000	20.30	_____
Catf pond&equip 6x10	acre	24.48	1.0000	24.48	_____
Catf irrig	acin	0.16	33.3000	5.52	_____
INTEREST ON OP. CAP.	acre	135.98	1.0000	135.98	_____
TOTAL DIRECT EXPENSES				3251.12	_____
RETURNS ABOVE DIRECT EXPENSES				708.87	_____
FIXED EXPENSES					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	52.56	1.0000	52.56	_____
Self-Propelled Eq.	acre	19.62	1.0000	19.62	_____
10Hp aerator-10	hour	0.47	74.0000	35.07	_____
Feeder truck	acre	52.22	1.0000	52.22	_____
Catf pond&equip 6x10	acre	242.87	1.0000	242.87	_____
Catf irrig	acre	30.33	1.0000	30.33	_____
TOTAL FIXED EXPENSES				443.65	_____
TOTAL SPECIFIED EXPENSES				3694.78	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				265.21	_____
ALLOCATED COST ITEMS					
Overhead-owner pond	acre	114.00	1.0000	114.00	_____
RESIDUAL RETURNS				151.21	_____

Table 9.A Estimated Costs and Returns per Acre, Catfish, Owner-Operator, 10 Acre Ponds with Generator, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Catfish	cwt	75.00	4.8000	360.00	_____
Catfish	cwt	75.00	10.0000	750.00	_____
Catfish	cwt	75.00	9.5000	712.50	_____
Catfish	cwt	75.00	6.9000	517.50	_____
Catfish	cwt	75.00	10.0000	750.00	_____
Catfish	cwt	75.00	11.6000	870.00	_____
TOTAL INCOME				3960.00	_____
DIRECT EXPENSES					
CUSTOM					
Water consultant	acre	1.75	12.0000	21.00	_____
Harv & haul catfish	cwt	5.50	52.8000	290.40	_____
Custom restk catfish	thou	25.00	5.5000	137.50	_____
FEED					
Catfish feed	ton	260.00	4.7260	1228.76	_____
Medicated feed	ton	706.00	0.2740	193.44	_____
HERBICIDES					
Spring chemicals	lbs	0.60	18.0000	10.80	_____
Fall chemicals	lbs	1.90	8.8200	16.75	_____
HIRED LABOR					
Other labor	hour	9.60	20.2000	193.92	_____
OTHER					
Propane	tank	15.00	0.3000	4.50	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	110.00	5.5000	605.00	_____
OPERATOR LABOR					
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	_____
IRRIGATION LABOR					
Catf irrig (d)	hour	9.60	0.3330	3.19	_____
DIESEL FUEL					
Tractors	gal	2.10	33.3967	70.13	_____
Self-Propelled Eq.	gal	2.10	5.3750	11.28	_____
10Hp aerator-10(d)	gal	2.10	85.1000	178.71	_____
Catf irrig (d)	gal	2.10	36.0372	75.67	_____
GASOLINE					
Self-Propelled Eq.	gal	2.30	0.2790	0.64	_____
Feeder truck	gal	2.30	6.0000	13.80	_____
REPAIR & MAINTENANCE					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	7.96	1.0000	7.96	_____
Self-Propelled Eq.	acre	8.66	1.0000	8.66	_____
10Hp aerator-10(d)	hour	0.02	74.0000	1.92	_____
Feeder truck	ton	4.06	5.0000	20.30	_____
Catf pond&equip 6x10	acre	24.48	1.0000	24.48	_____
Catf irrig (d)	acin	0.27	33.3000	9.25	_____
INTEREST ON OP. CAP.	acre	141.92	1.0000	141.92	_____
TOTAL DIRECT EXPENSES				3392.06	_____
RETURNS ABOVE DIRECT EXPENSES				567.93	_____
FIXED EXPENSES					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	52.56	1.0000	52.56	_____
Self-Propelled Eq.	acre	19.62	1.0000	19.62	_____
10Hp aerator-10(d)	hour	0.47	74.0000	35.07	_____
Feeder truck	acre	52.22	1.0000	52.22	_____
Catf pond&equip 6x10	acre	242.87	1.0000	242.87	_____
Catf irrig (d)	acre	47.88	1.0000	47.88	_____
TOTAL FIXED EXPENSES				461.20	_____
TOTAL SPECIFIED EXPENSES				3853.27	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				106.72	_____
ALLOCATED COST ITEMS					
Overhead-owner pond	acre	114.00	1.0000	114.00	_____
RESIDUAL RETURNS				-7.27	_____

Table 10.A Estimated Costs and Returns per Acre, Catfish,
 Tenant-Operator, 10 Acre Ponds, Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Catfish	cwt	75.00	4.8000	360.00	_____
Catfish	cwt	75.00	10.0000	750.00	_____
Catfish	cwt	75.00	9.5000	712.50	_____
Catfish	cwt	75.00	6.9000	517.50	_____
Catfish	cwt	75.00	10.0000	750.00	_____
Catfish	cwt	75.00	11.6000	870.00	_____

TOTAL INCOME				3960.00	_____
DIRECT EXPENSES					
CUSTOM					
Water consultant	acre	1.75	12.0000	21.00	_____
Harv & haul catfish	cwt	5.50	52.8000	290.40	_____
Custom restk catfish	thou	25.00	5.5000	137.50	_____
FEED					
Catfish feed	ton	260.00	4.7260	1228.76	_____
Medicated feed	ton	706.00	0.2740	193.44	_____
HERBICIDES					
Spring chemicals	lbs	0.60	18.0000	10.80	_____
Fall chemicals	lbs	1.90	8.8200	16.75	_____
HIRED LABOR					
Other labor	hour	9.60	20.2000	193.92	_____
OTHER					
Rent (catf electric)	acre	200.00	1.0000	200.00	_____
Propane	tank	15.00	0.3000	4.50	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	110.00	5.5000	605.00	_____
OPERATOR LABOR					
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	_____
IRRIGATION LABOR					
Catf irrig (r)	hour	9.60	0.3330	3.19	_____
DIESEL FUEL					
Tractors	gal	2.10	33.3967	70.13	_____
Self-Propelled Eq.	gal	2.10	5.3750	11.28	_____
ELECTRICITY					
Catf irrig (r)	kWh	0.09	516.9825	46.52	_____
10Hp aerator-10(r)	kWh	0.09	851.0000	76.59	_____
GASOLINE					
Self-Propelled Eq.	gal	2.30	0.2790	0.64	_____
Feeder truck	gal	2.30	6.0000	13.80	_____
REPAIR & MAINTENANCE					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	7.96	1.0000	7.96	_____
Self-Propelled Eq.	acre	8.66	1.0000	8.66	_____
Catf irrig (r)	acin	0.09	33.3000	2.99	_____
Catf pond&eq 6x10(r)	acre	26.57	1.0000	26.57	_____
Feeder truck	ton	4.06	5.0000	20.30	_____
10Hp aerator-10(r)	hour	0.02	74.0000	1.92	_____
INTEREST ON OP. CAP.	acre	154.05	1.0000	154.05	_____
TOTAL DIRECT EXPENSES				3468.75	_____
RETURNS ABOVE DIRECT EXPENSES				491.24	_____
FIXED EXPENSES					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	52.56	1.0000	52.56	_____
Self-Propelled Eq.	acre	19.62	1.0000	19.62	_____
Catf pond&eq 6x10(r)	acre	50.90	1.0000	50.90	_____
Feeder truck	acre	52.22	1.0000	52.22	_____
TOTAL FIXED EXPENSES				186.28	_____
TOTAL SPECIFIED EXPENSES				3655.03	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				304.96	_____
ALLOCATED COST ITEMS					
Overhead-tenant pond	acre	114.00	1.0000	114.00	_____
RESIDUAL RETURNS				190.96	_____

Table 11.A Estimated Costs and Returns per Acre, Catfish,
 Tenant-Operator, 10 Acre Ponds with Generator,
 Louisiana, 2007.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Catfish	cwt	75.00	4.8000	360.00	_____
Catfish	cwt	75.00	10.0000	750.00	_____
Catfish	cwt	75.00	9.5000	712.50	_____
Catfish	cwt	75.00	6.9000	517.50	_____
Catfish	cwt	75.00	10.0000	750.00	_____
Catfish	cwt	75.00	11.6000	870.00	_____

TOTAL INCOME				3960.00	_____
DIRECT EXPENSES					
CUSTOM					
Water consultant	acre	1.75	12.0000	21.00	_____
Harv & haul catfish	cwt	5.50	52.8000	290.40	_____
Custom restk catfish	thou	25.00	5.5000	137.50	_____
FEED					
Catfish feed	ton	260.00	4.7260	1228.76	_____
Medicated feed	ton	706.00	0.2740	193.44	_____
HERBICIDES					
Spring chemicals	lbs	0.60	18.0000	10.80	_____
Fall chemicals	lbs	1.90	8.8200	16.75	_____
HIRED LABOR					
Other labor	hour	9.60	20.2000	193.92	_____
OTHER					
Rent (catf diesel)	acre	200.00	1.0000	200.00	_____
Propane	tank	15.00	0.3000	4.50	_____
Shotgun shells	box	5.00	1.5000	7.50	_____
Fingerlings	thou	110.00	5.5000	605.00	_____
OPERATOR LABOR					
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	_____
IRRIGATION LABOR					
Catf irrig (d,r)	hour	9.60	0.3330	3.19	_____
DIESEL FUEL					
Tractors	gal	2.10	33.3967	70.13	_____
Self-Propelled Eq.	gal	2.10	5.3750	11.28	_____
Catf irrig (d,r)	gal	2.10	36.0372	75.67	_____
10Hp aerator-10(d,r)	gal	2.10	85.1000	178.71	_____
GASOLINE					
Self-Propelled Eq.	gal	2.30	0.2790	0.64	_____
Feeder truck	gal	2.30	6.0000	13.80	_____
REPAIR & MAINTENANCE					
Implements	acre	2.02	1.0000	2.02	_____
Tractors	acre	7.96	1.0000	7.96	_____
Self-Propelled Eq.	acre	8.66	1.0000	8.66	_____
Catf pond&eq 6x10(r)	acre	26.57	1.0000	26.57	_____
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	1.92	_____
INTEREST ON OP. CAP.	acre	159.84	1.0000	159.84	_____

TOTAL DIRECT EXPENSES				3606.35	_____
RETURNS ABOVE DIRECT EXPENSES				353.64	_____
FIXED EXPENSES					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	52.56	1.0000	52.56	_____
Self-Propelled Eq.	acre	19.62	1.0000	19.62	_____
Catf pond&eq 6x10(r)	acre	50.90	1.0000	50.90	_____
Feeder truck	acre	52.22	1.0000	52.22	_____

TOTAL FIXED EXPENSES				186.28	_____

TOTAL SPECIFIED EXPENSES				3792.63	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				167.36	_____
ALLOCATED COST ITEMS					
Overhead-tenant pond	acre	114.00	1.0000	114.00	_____
RESIDUAL RETURNS				53.36	_____

Table 5.B Estimated Resource Use and Costs for Field Operations per Acre, Single Crop Crawfish, Owner-Operators, North Louisiana, 2007.

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		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	3.07	2.80	1.16	2.71	0.163	1.57				11.33
Fertilizer buggy	30 ft	105	0.060	1.00	Jul	0.78	0.68	0.37	0.55	0.060	0.57				2.97
Nitrogen	lbs											51.0000	0.39	19.89	19.89
Phosphate	lbs											51.0000	0.31	15.81	15.81
Potash	lbs											51.0000	0.22	11.22	11.22
Rotary mower-levees	6.7 ft	50	0.500	0.05	Jul	0.15	0.10	0.02	0.08	0.026	0.25				0.63
Grain drill	20 ft	150	0.094	1.00	Jul	1.77	1.61	1.11	2.35	0.094	0.90				7.76
Rice seed	lbs											100.0000	0.21	21.00	21.00
Rotary mower-levees	6.7 ft	50	0.500	0.05	Aug	0.15	0.10	0.02	0.08	0.026	0.25				0.63
Rotary mower-levees	6.7 ft	50	0.500	0.05	Sep	0.15	0.10	0.02	0.08	0.026	0.25				0.63
Crawf irrig north LA	acin			1.00	Oct			11.05	16.68	0.060	0.57	6.0000			28.31
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	0.15	0.10	0.02	0.08	0.026	0.25				0.63
Crawf irrig north LA	acin			1.00	Nov			11.05		0.060	0.57	6.0000			11.63
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawf irrig north LA	acin			1.00	Dec			3.68		0.020	0.19	2.0000			3.87
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawf irrig north LA	acin			1.00	Jan			1.84		0.010	0.09	1.0000			1.93
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawf irrig north LA	acin			1.00	Feb			5.52		0.030	0.28	3.0000			5.81
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawfish combine	12 hp		0.075	26.00	Mar			1.81	1.53	2.145	20.59				23.94
Manuf. crawfish bait	lbs											97.5000	0.22	21.45	21.45
Sacks	each											1.5080	0.40	0.60	0.60
Crawf irrig north LA	acin			1.00	Mar			1.84		0.010	0.09	1.0000			1.93
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Crawfish combine	12 hp		0.075	24.00	Apr			1.67	1.41	1.980	19.00				22.10
Manuf. crawfish bait	lbs											90.0000	0.22	19.80	19.80
Sacks	each											5.2560	0.40	2.10	2.10
Crawf irrig north LA	acin			1.00	Apr			1.84		0.010	0.09	1.0000			1.93
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Rotary mower-levees	6.7 ft	50	0.500	0.05	Apr	0.15	0.10	0.02	0.08	0.026	0.25				0.63
Crawfish combine	12 hp		0.075	26.00	May			1.81	1.53	2.145	20.59				23.94
Manuf. crawfish bait	lbs											97.5000	0.22	21.45	21.45
Sacks	each											6.0060	0.40	2.40	2.40
Crawf irrig north LA	acin			1.00	May			3.68		0.020	0.19	2.0000			3.87
Irrigation labor	hour											0.1000	9.60	0.96	0.96
Rotary mower-levees	6.7 ft	50	0.500	0.05	May	0.15	0.10	0.02	0.08	0.026	0.25				0.63
Crawfish combine	12 hp		0.075	12.00	Jun			0.83	0.70	0.990	9.50				11.05
Manuf. crawfish bait	lbs											45.0000	0.22	9.90	9.90
Sacks	each											2.2560	0.40	0.90	0.90
Crawf irrig north LA	acin			1.00	Jun			3.68		0.020	0.19	2.0000			3.87
Irrigation labor	hour											0.3000	9.60	2.88	2.88
Rotary mower-levees	6.7 ft	50	0.500	0.05	Jun	0.15	0.10	0.02	0.08	0.026	0.25				0.63
TOTALS						6.74	5.83	64.81	153.87	8.003	76.83			161.55	469.65
INTEREST ON OPERATING CAPITAL															10.69
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															480.34

Table 6.B Estimated Resource Use and Costs for Field Operations per Acre, Single Crop Crawfish, Owner-Operators, Southwest Louisiana, 2007.

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	3.07	2.80	1.16	2.71	0.163	1.57					11.33
Crawf irrig single	acin			1.00	Jul			7.80	34.59	0.018	0.17	1.5000				42.56
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	0.15	0.10	0.02	0.08	0.026	0.25					0.63
Airplane fert	cwt			1.00	Jul							0.7500	5.00	3.75		3.75
Urea (45%)	lbs											75.0000	0.18	13.50		13.50
Crawf irrig single	acin			1.00	Aug			7.80		0.018	0.17	1.5000				7.97
Irrigation labor	hour											0.1000	9.60	0.96		0.96
Rotary mower-levees	6.7 ft	50	0.500	0.05	Aug	0.15	0.10	0.02	0.08	0.026	0.25					0.63
Crawf irrig single	acin			1.00	Sep			7.80		0.018	0.17	1.5000				7.97
Irrigation labor	hour											0.1000	9.60	0.96		0.96
Rotary mower-levees	6.7 ft	50	0.500	0.05	Sep	0.15	0.10	0.02	0.08	0.026	0.25					0.63
Crawf irrig single	acin			1.00	Oct			62.42		0.144	1.38	12.0000				63.80
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	0.15	0.10	0.02	0.08	0.026	0.25					0.63
Crawf irrig single	acin			1.00	Nov			20.80		0.048	0.46	4.0000				21.26
Irrigation labor	hour											0.1000	9.60	0.96		0.96
Crawfish combine	12 hp		0.075	10.00	Dec			0.69	0.59	0.825	7.92					9.20
Crawfish bait (fish)	lbs											50.0000	0.35	17.50		17.50
Sacks	each											1.3300	0.40	0.53		0.53
Crawf irrig single	acin			1.00	Dec			13.00		0.030	0.28	2.5000				13.29
Irrigation labor	hour											0.1000	9.60	0.96		0.96
Pickup truck	1/2 ton		1.000	0.04	Dec			0.34	0.29	0.043	0.41					1.05
Crawfish combine	12 hp		0.075	13.00	Jan			0.90	0.76	1.072	10.29					11.97
Crawfish bait (fish)	lbs											65.0000	0.35	22.75		22.75
Sacks	each											3.0030	0.40	1.20		1.20
Crawf irrig single	acin			1.00	Jan			10.40		0.024	0.23	2.0000				10.63
Irrigation labor	hour											0.1000	9.60	0.96		0.96
Pickup truck	1/2 ton		1.000	0.05	Jan			0.45	0.38	0.056	0.53					1.37
Crawfish combine	12 hp		0.075	12.00	Feb			0.83	0.70	0.990	9.50					11.05
Crawfish bait (fish)	lbs											60.0000	0.35	21.00		21.00
Sacks	each											4.5000	0.40	1.80		1.80
Crawf irrig single	acin			1.00	Feb			10.40		0.024	0.23	2.0000				10.63
Irrigation labor	hour											0.1000	9.60	0.96		0.96
Pickup truck	1/2 ton		1.000	0.05	Feb			0.41	0.35	0.051	0.48					1.25
Crawfish combine	12 hp		0.075	20.00	Mar			1.39	1.18	1.650	15.84					18.41
Manuf. crawfish bait	lbs											50.0000	0.22	11.00		11.00
Crawfish bait (fish)	lbs											50.0000	0.35	17.50		17.50
Sacks	each											5.3400	0.40	2.13		2.13
Crawf irrig single	acin			1.00	Mar			10.40		0.024	0.23	2.0000				10.63
Irrigation labor	hour											0.1000	9.60	0.96		0.96
Pickup truck	1/2 ton		1.000	0.08	Mar			0.69	0.59	0.086	0.82					2.11
Crawfish combine	12 hp		0.075	21.00	Apr			1.46	1.24	1.732	16.63					19.33
Manuf. crawfish bait	lbs											105.0000	0.22	23.10		23.10
Sacks	each											9.0090	0.40	3.60		3.60
Crawf irrig single	acin			1.00	Apr			10.40		0.024	0.23	2.0000				10.63
Irrigation labor	hour											0.1000	9.60	0.96		0.96
Pickup truck	1/2 ton		1.000	0.09	Apr			0.72	0.62	0.090	0.86					2.21
Rotary mower-levees	6.7 ft	50	0.500	0.05	Apr	0.15	0.10	0.02	0.08	0.026	0.25					0.63
Crawfish combine	12 hp		0.075	18.00	May			1.25	1.06	1.485	14.25					16.57
Manuf. crawfish bait	lbs											90.0000	0.22	19.80		19.80
Sacks	each											5.9400	0.40	2.37		2.37
Crawf irrig single	acin			1.00	May			10.40		0.024	0.23	2.0000				10.63
Irrigation labor	hour											0.3000	9.60	2.88		2.88
Pickup truck	1/2 ton		1.000	0.07	May			0.62	0.53	0.077	0.73					1.89
Rotary mower-levees	6.7 ft	50	0.500	0.05	May	0.15	0.10	0.02	0.08	0.026	0.25					0.63
Rotary mower-levees	6.7 ft	50	0.500	0.05	Jun	0.15	0.10	0.02	0.08	0.026	0.25					0.63
TOTALS						4.18	3.53	190.33	164.31	8.903	85.46			217.17		665.00
INTEREST ON OPERATING CAPITAL																24.57
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																689.58

Table 7.A Estimated resource use and costs for field operations, per Acre, Rice-Crawfish Double Crop, in Field Rotation, Owner-Operator, Southwest, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	32'	4WD 225	0.061	2.00	Nov	3.54	3.82	1.10	2.56	0.122	1.17				12.21
Levee plow	8 Ft	4WD 300	0.050	2.00	Nov	3.72	3.29	0.17	0.45	0.100	0.96				8.60
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	2.04	2.17	0.11	0.10	0.105	1.01				5.46
Ditcher rotary	1.5 ft	MFWD 150	0.020	1.00	Nov	0.38	0.41	0.03	0.04	0.020	0.19				1.07
Field cultivator	32 ft	4WD 300	0.046	1.00	Feb	1.73	1.53	0.31	1.44	0.046	0.44				5.47
Airplane fert	cwt			1.00	Feb							1.5000	5.00	7.50	7.50
Nitrogen	lbs											70.0000	0.39	27.30	27.30
Global pos. system	acre											1.0000	0.35	0.35	0.35
Airplane fert	cwt			1.00	Feb							1.0000	5.00	5.00	5.00
Phosphate	lbs											40.0000	0.31	12.40	12.40
Potash	lbs											60.0000	0.22	13.20	13.20
Global pos. system	acre											1.0000	0.35	0.35	0.35
Ditcher rotary	1.5 ft	MFWD 150	0.020	1.00	Feb	0.38	0.41	0.03	0.04	0.020	0.19				1.07
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	2.04	2.17	0.11	0.10	0.105	1.01				5.46
Rice gate	each			1.00	Feb							1.0000	3.65	3.65	3.65
Backhoe		MFWD 150	0.500	0.05	Feb	0.48	0.51	1.36	2.02	0.025	0.24				4.62
Water level	24 ft	4WD 300	0.149	2.00	Feb	11.16	9.87	0.36	0.83	0.299	2.87				25.11
Irrigation system 1	acre			1.00	Mar			117.06	38.96	0.300	2.88	1.0000			158.90
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	4.50	4.50	4.50
Karate Z	oz											2.0000	3.00	6.00	6.00
Global pos. system	acre											1.0000	0.35	0.35	0.35
App by air	appl			1.00	Apr							1.0000	4.50	4.50	4.50
Facet 75DF	lb											0.5000	48.37	24.18	24.18
Londax 60DF	oz											1.0000	10.92	10.92	10.92
Global pos. system	acre											1.0000	0.35	0.35	0.35
App by air	appl			1.00	Jun							1.0000	4.50	4.50	4.50
2,4-D Amine 4	pt											2.5000	1.66	4.15	4.15
Global pos. system	acre											1.0000	0.35	0.35	0.35
Airplane fert	cwt			1.00	Jun							1.3000	5.00	6.50	6.50
Nitrogen	lbs											60.0000	0.39	23.40	23.40
Global pos. system	acre											1.0000	0.35	0.35	0.35
App by air	appl			1.00	Jun							1.0000	4.50	4.50	4.50
Quadris	oz											10.0000	1.91	19.10	19.10
Global pos. system	acre											1.0000	0.35	0.35	0.35
Seed crawfish	lbs			1.00	Jun							60.0000	1.00	60.00	60.00
Other labor	hour											0.0500	9.60	0.48	0.48
App by air	appl			1.00	Jul							1.0000	4.50	4.50	4.50
Karate Z	oz											2.0000	3.00	6.00	6.00
Global pos. system	acre											1.0000	0.35	0.35	0.35
Combine Rice	25 Ft		0.300	1.00	Aug			20.37	24.49	0.330	5.04				49.92
Grain cart	500 bu	MFWD 150	0.288	0.20	Aug	1.11	1.18	0.23	0.44	0.057	0.55				3.52
Drying rice	cwt			1.00	Aug							65.0000	0.90	58.50	58.50
Haul rice	cwt			1.00	Aug							58.0000	0.25	14.50	14.50
Blade-Scraper	10'	MFWD 150	1.176	0.20	Aug	4.54	4.83	0.26	0.23	0.235	2.25				12.14
Crawf irrig double	acin			1.00	Oct			29.84	34.59	0.072	0.69	6.0000			65.12
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	0.15	0.10	0.02	0.08	0.026	0.25				0.63
Crawf irrig double	acin			1.00	Nov			19.89		0.048	0.46	4.0000			20.35
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Crawf irrig double	acin			1.00	Dec			9.94		0.024	0.23	2.0000			10.17
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Crawfish combine	12 hp		0.075	5.00	Jan			0.34	0.29	0.412	3.96				4.60
Crawfish bait (fish)	lbs											18.7500	0.35	6.56	6.56
Sacks	each											0.9000	0.40	0.36	0.36
Crawf irrig double	acin			1.00	Jan			7.46		0.018	0.17	1.5000			7.63
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Pickup truck	1/2 ton		1.000	0.05	Jan			0.45	0.38	0.056	0.53				1.37
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			0.69	0.59	0.825	7.92				9.20
Crawfish bait (fish)	lbs											37.5000	0.35	13.12	13.12
Sacks	each											3.7000	0.40	1.48	1.48
Crawf irrig double	acin			1.00	Feb			9.94		0.024	0.23	2.0000			10.17
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Pickup truck	1/2 ton		1.000	0.05	Feb			0.41	0.35	0.051	0.48				1.25
Crawfish combine	12 hp		0.075	15.00	Mar			1.04	0.88	1.237	11.88				13.81
Manuf. crawfish bait	lbs											28.1250	0.22	6.18	6.18
Crawfish bait (fish)	lbs											28.1250	0.35	9.84	9.84
Sacks	each											3.9000	0.40	1.56	1.56
Crawf irrig double	acin			1.00	Mar			9.94		0.024	0.23	2.0000			10.17
Irrigation labor	hour											0.4000	9.60	3.84	3.84
Pickup truck	1/2 ton		1.000	0.08	Mar			0.69	0.59	0.086	0.82				2.11
Crawfish combine	12 hp		0.075	21.00	Apr			1.46	1.24	1.732	16.63				19.33
Manuf. crawfish bait	lbs											78.7500	0.22	17.32	17.32
Sacks	each											9.0300	0.40	3.61	3.61
Crawf irrig double	acin			1.00	Apr			9.94		0.024	0.23	2.0000			10.17
Irrigation labor	hour											0.2000	9.60	1.92	1.92
Pickup truck	1/2 ton		1.000	0.06	Apr			0.51	0.44	0.064	0.61				1.57
Pickup truck	1/2 ton		1.000	0.05	Apr			0.41	0.35	0.051	0.48				1.25
Crawfish combine	12 hp		0.075	21.00	May			1.46	1.24	1.732	16.63				19.33
Manuf. crawfish bait	lbs											78.7500	0.22	17.32	17.32
Sacks	each											9.0300	0.40	3.61	3.61
Crawf irrig double	acin			1.00	May			9.94		0.024	0.23	2.0000			10.17
Pickup truck	1/2 ton		1.000	0.08	May			0.69	0.59	0.086	0.82				2.11
Crawfish combine	12 hp		0.075	11.00	Jun			0.76	0.64	0.907	8.71				10.12
Manuf. crawfish bait	lbs											41.2500	0.22	9.07	9.07
Sacks	each											4.7300	0.40	1.89	1.89
TOTALS						31.33	30.33	258.56	172.18	9.295	91.11			546.46	1129.99
INTEREST ON OPERATING CAPITAL															39.22
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															1169.22

Table 8.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10 Acre Ponds, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dollars		dollars		dollars		dollars			
Catf pond&equip 6x10	acre			1.00	Jan			24.48	242.87			1.0000			267.35
Catf irrig	acin			1.00	Jan			3.28	30.33	0.021	0.20	2.1000			33.81
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Jan			1.02	52.22	0.030	0.28	0.1500			53.53
Catfish feed	ton											0.1500	260.00	39.00	39.00
Catf irrig	acin			1.00	Feb			3.59		0.023	0.22	2.3000			3.81
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Feb			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
Pickup truck	1/2 ton			1.000	0.42	Feb		3.38	2.91	0.420	4.03				10.33
Catf irrig	acin			1.00	Mar			3.90		0.025	0.24	2.5000			4.14
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Mar			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Boat, Motor&Trailer	14 ft			0.075	0.75	Mar		2.62	3.77	0.061	0.59				6.99
Spring chemicals	lbs											18.0000	0.60	10.80	10.80
10Hp aerator-10	hour			1.00	Apr			6.36	2.84	0.600	5.76	6.0000			14.97
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			3.59		0.023	0.22	2.3000			3.81
Feeder truck	ton			1.00	Apr			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.30	Apr		2.45	2.11	0.305	2.92				7.50
Harv & haul catfish	cwt			1.00	Apr							4.8000	5.50	26.40	26.40
Custom restk catfish	thou											0.5000	25.00	12.50	12.50
Fingerlings	thou											0.5000	110.00	55.00	55.00
PTO aerator	hour	68		1.000	1.10	Apr	9.92	6.68	0.16	0.87	0.110	1.05			18.71
10Hp aerator-10	hour			1.00	May			6.36	2.84	0.600	5.76	6.0000			14.97
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			4.06		0.026	0.24	2.6000			4.31
Feeder truck	ton			1.00	May			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.10	May		0.80	0.69	0.100	0.96				2.46
Harv & haul catfish	cwt			1.00	May							10.0000	5.50	55.00	55.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	110.00	115.50	115.50
Side Mount Mower	6 ft	75		0.500	0.25	May	1.13	0.76	0.36	2.12	0.126	1.20			5.60
PTO aerator	hour	68		1.000	0.60	May	5.41	3.64	0.09	0.47	0.060	0.57			10.20
10Hp aerator-10	hour			1.00	Jun			14.85	6.63	1.400	13.44	14.0000			34.93
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			2.18		0.014	0.13	1.4000			2.32
Feeder truck	ton			1.00	Jun			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.4130	260.00	107.38	107.38
Medicated feed	ton											0.1370	706.00	96.72	96.72
Pickup truck	1/2 ton			1.000	0.15	Jun		1.20	1.04	0.150	1.44				3.69
PTO aerator	hour	68		1.000	1.40	Jun	12.63	8.50	0.21	1.11	0.140	1.34			23.82
10Hp aerator-10	hour			1.00	Jul			14.85	6.63	1.400	13.44	14.0000			34.93
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			6.09		0.039	0.37	3.9000			6.47
Feeder truck	ton			1.00	Jul			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.15	Jul		1.20	1.04	0.150	1.44				3.69
PTO aerator	hour	68		1.000	1.40	Jul	12.63	8.50	0.21	1.11	0.140	1.34			23.82
10Hp aerator-10	hour			1.00	Aug			14.85	6.63	1.400	13.44	14.0000			34.93
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			7.19		0.046	0.44	4.6000			7.63
Feeder truck	ton			1.00	Aug			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.35	Aug		2.86	2.46	0.355	3.40				8.73
Harv & haul catfish	cwt			1.00	Aug							9.5000	5.50	52.25	52.25
Custom restk catfish	thou											0.9800	25.00	24.50	24.50
Fingerlings	thou											0.9800	110.00	107.80	107.80
Side Mount Mower	6 ft	75		0.500	0.25	Aug	1.13	0.76	0.36	2.12	0.126	1.20			5.60
PTO aerator	hour	68		1.000	1.90	Aug	17.15	11.54	0.28	1.51	0.190	1.82			32.32
10Hp aerator-10	hour			1.00	Sep			14.85	6.63	1.400	13.44	14.0000			34.93
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			4.37		0.028	0.26	2.8000			4.64
Feeder truck	ton			1.00	Sep			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.15	Sep		1.20	1.04	0.150	1.44				3.69
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.50	37.95	37.95
Custom restk catfish	thou											0.7200	25.00	18.00	18.00
Fingerlings	thou											0.7200	110.00	79.20	79.20
PTO aerator	hour	68		1.000	1.40	Sep	12.63	8.50	0.21	1.11	0.140	1.34			23.82
10Hp aerator-10	hour			1.00	Oct			6.36	2.84	0.600	5.76	6.0000			14.97
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Catf irrig	acin			1.00	Oct			7.19		0.046	0.44	4.6000			7.63
Feeder truck	ton			1.00	Oct			3.75		0.110	1.05	0.5500			4.80

Table 8.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10 Acre Ponds,
(CON'T) Louisiana, 2007.

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-----			
Catfish feed	ton											0.4130	260.00	107.38	107.38
Medicated feed	ton											0.1370	706.00	96.72	96.72
Harv & haul catfish	cwt			1.00	Oct							10.0000	5.50	55.00	55.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	110.00	115.50	115.50
PTO aerator	hour	68	1.000	0.60	Oct	5.41	3.64	0.09	0.47	0.060	0.57				10.20
Catf irrig	acin			1.00	Nov			3.28		0.021	0.20	2.1000			3.48
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Nov			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.63	0.90	0.014	0.14				1.67
Fall chemicals	lbs											8.8200	1.90	16.75	16.75
Pickup truck	1/2 ton		1.000	0.52	Nov			4.19	3.61	0.520	4.99				12.79
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.50	63.80	63.80
Custom restk catfish	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	110.00	132.00	132.00
Catf irrig	acin			1.00	Dec			3.28		0.021	0.20	2.1000			3.48
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Dec			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
TOTALS						78.09	52.56	211.76	391.09	12.051	115.69			2709.58	3558.80
INTEREST ON OPERATING CAPITAL															135.98
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3694.78

Table 9.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10 Acre Ponds with Generator, Louisiana, 2007.

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		dollars				
Catf pond&equip 6x10	acre			1.00	Jan			24.48	242.87			1.0000			267.35
Catf irrig (d)	acin			1.00	Jan			5.35	47.88	0.021	0.20	2.1000			53.43
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Jan			1.02	52.22	0.030	0.28	0.1500			53.53
Catfish feed	ton											0.1500	260.00	39.00	39.00
Catf irrig (d)	acin			1.00	Feb			5.86		0.023	0.22	2.3000			6.08
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Feb			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
Pickup truck	1/2 ton			1.000	0.42	Feb		3.38	2.91	0.420	4.03				10.33
Catf irrig (d)	acin			1.00	Mar			6.37		0.025	0.24	2.5000			6.61
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Mar			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Boat, Motor & Trailer	14 ft			0.075	0.75	Mar		2.62	3.77	0.061	0.59				6.99
Spring chemicals	lbs											18.0000	0.60	10.80	10.80
10Hp aerator-10(d)	hour			1.00	Apr			14.64	2.84	0.600	5.76	6.0000			23.25
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			5.86		0.023	0.22	2.3000			6.08
Feeder truck	ton			1.00	Apr			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.30	Apr		2.45	2.11	0.305	2.92				7.50
Harv & haul catfish	cwt			1.00	Apr							4.8000	5.50	26.40	26.40
Custom restk catfish	thou											0.5000	25.00	12.50	12.50
Fingerlings	thou											0.5000	110.00	55.00	55.00
PTO aerator	hour	68		1.000	1.10	Apr	9.92	6.68	0.16	0.87	0.110	1.05			18.71
10Hp aerator-10(d)	hour			1.00	May			14.64	2.84	0.600	5.76	6.0000			23.25
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			6.63		0.026	0.24	2.6000			6.88
Feeder truck	ton			1.00	May			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.10	May		0.80	0.69	0.100	0.96				2.46
Harv & haul catfish	cwt			1.00	May							10.0000	5.50	55.00	55.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	110.00	115.50	115.50
Side Mount Mower	6 ft	75		0.500	0.25	May	1.13	0.76	0.36	2.12	0.126	1.20			5.60
PTO aerator	hour	68		1.000	0.60	May	5.41	3.64	0.09	0.47	0.060	0.57			10.20
10Hp aerator-10(d)	hour			1.00	Jun			34.17	6.63	1.400	13.44	14.0000			54.25
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			3.57		0.014	0.13	1.4000			3.70
Feeder truck	ton			1.00	Jun			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.4130	260.00	107.38	107.38
Medicated feed	ton											0.1370	706.00	96.72	96.72
Pickup truck	1/2 ton			1.000	0.15	Jun		1.20	1.04	0.150	1.44				3.69
PTO aerator	hour	68		1.000	1.40	Jun	12.63	8.50	0.21	1.11	0.140	1.34			23.82
10Hp aerator-10(d)	hour			1.00	Jul			34.17	6.63	1.400	13.44	14.0000			54.25
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			9.94		0.039	0.37	3.9000			10.32
Feeder truck	ton			1.00	Jul			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.15	Jul		1.20	1.04	0.150	1.44				3.69
PTO aerator	hour	68		1.000	1.40	Jul	12.63	8.50	0.21	1.11	0.140	1.34			23.82
10Hp aerator-10(d)	hour			1.00	Aug			34.17	6.63	1.400	13.44	14.0000			54.25
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			11.73		0.046	0.44	4.6000			12.17
Feeder truck	ton			1.00	Aug			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.35	Aug		2.86	2.46	0.355	3.40				8.73
Harv & haul catfish	cwt			1.00	Aug							9.5000	5.50	52.25	52.25
Custom restk catfish	thou											0.9800	25.00	24.50	24.50
Fingerlings	thou											0.9800	110.00	107.80	107.80
Side Mount Mower	6 ft	75		0.500	0.25	Aug	1.13	0.76	0.36	2.12	0.126	1.20			5.60
PTO aerator	hour	68		1.000	1.90	Aug	17.15	11.54	0.28	1.51	0.190	1.82			32.32
10Hp aerator-10(d)	hour			1.00	Sep			34.17	6.63	1.400	13.44	14.0000			54.25
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			7.14		0.028	0.26	2.8000			7.41
Feeder truck	ton			1.00	Sep			3.75		0.110	1.05	0.5500			4.80
Catfish feed	ton											0.5500	260.00	143.00	143.00
Pickup truck	1/2 ton			1.000	0.15	Sep		1.20	1.04	0.150	1.44				3.69
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.50	37.95	37.95
Custom restk catfish	thou											0.7200	25.00	18.00	18.00
Fingerlings	thou											0.7200	110.00	79.20	79.20
PTO aerator	hour	68		1.000	1.40	Sep	12.63	8.50	0.21	1.11	0.140	1.34			23.82
10Hp aerator-10(d)	hour			1.00	Oct			14.64	2.84	0.600	5.76	6.0000			23.25
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Catf irrig (d)	acin			1.00	Oct			11.73		0.046	0.44	4.6000			12.17
Feeder truck	ton			1.00	Oct			3.75		0.110	1.05	0.5500			4.80

Table 9.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Owner-Operator, 10 Acre Ponds with Generator, (CON'T) Louisiana, 2007.

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-----			
Catfish feed	ton											0.4130	260.00	107.38	107.38
Medicated feed	ton											0.1370	706.00	96.72	96.72
Harv & haul catfish	cwt			1.00	Oct							10.0000	5.50	55.00	55.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	110.00	115.50	115.50
PTO aerator	hour	68	1.000	0.60	Oct	5.41	3.64	0.09	0.47	0.060	0.57				10.20
Catf irrig (d)	acin			1.00	Nov			5.35	0.47	0.021	0.20	2.1000			5.55
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Nov			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.63	0.90	0.014	0.14				1.67
Fall chemicals	lbs											8.8200	1.90	16.75	16.75
Pickup truck	1/2 ton		1.000	0.52	Nov			4.19	3.61	0.520	4.99				12.79
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.50	63.80	63.80
Custom restk catfish	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	110.00	132.00	132.00
Catf irrig (d)	acin			1.00	Dec			5.35		0.021	0.20	2.1000			5.55
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Dec			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
TOTALS						78.09	52.56	346.76	408.64	12.051	115.69			2709.58	3711.35
INTEREST ON OPERATING CAPITAL															141.92
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3853.27

Table 10.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10 Acre Ponds, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						dollars		dollars		dollars		dollars				
Catf pond&eq 6x10(r)	acre			1.00	Jan			26.57	50.90			1.0000				77.47
Rent (catf electric)	acre											1.0000	200.00	200.00		200.00
Catf irrig (r)	acin			1.00	Jan			3.12		0.021	0.20	2.1000				3.32
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	15.00	0.75		0.75
Shotgun shells	box											0.2500	5.00	1.25		1.25
Feeder truck	ton			1.00	Jan			1.02	52.22	0.030	0.28	0.1500				53.53
Catfish feed	ton											0.1500	260.00	39.00		39.00
Catf irrig (r)	acin			1.00	Feb			3.42		0.023	0.22	2.3000				3.64
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	15.00	0.75		0.75
Shotgun shells	box											0.2500	5.00	1.25		1.25
Feeder truck	ton			1.00	Feb			1.02		0.030	0.28	0.1500				1.31
Catfish feed	ton											0.1500	260.00	39.00		39.00
Pickup truck	1/2 ton			1.000	0.42	Feb		3.38	2.91	0.420	4.03					10.33
Catf irrig (r)	acin			1.00	Mar			3.71		0.025	0.24	2.5000				3.95
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	15.00	0.75		0.75
Shotgun shells	box											0.2500	5.00	1.25		1.25
Feeder truck	ton			1.00	Mar			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Boat, Motor & Trailer	14 ft			0.075	0.75	Mar		2.62	3.77	0.061	0.59					6.99
Spring chemicals	lbs											18.0000	0.60	10.80		10.80
10Hp aerator-10(r)	hour			1.00	Apr			6.36		0.600	5.76	6.0000				12.12
Other labor	hour											2.1000	9.60	20.16		20.16
Water consultant	acre											1.0000	1.75	1.75		1.75
Catf irrig (r)	acin			1.00	Apr			3.42		0.023	0.22	2.3000				3.64
Feeder truck	ton			1.00	Apr			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.30	Apr		2.45	2.11	0.305	2.92					7.50
Harv & haul catfish	cwt			1.00	Apr							4.8000	5.50	26.40		26.40
Custom restk catfish	thou											0.5000	25.00	12.50		12.50
Fingerlings	thou											0.5000	110.00	55.00		55.00
PTO aerator	hour	68		1.000	1.10	Apr	9.92	6.68	0.16	0.87	0.110	1.05				18.71
10Hp aerator-10(r)	hour			1.00	May			6.36		0.600	5.76	6.0000				12.12
Other labor	hour											2.0000	9.60	19.20		19.20
Water consultant	acre											1.0000	1.75	1.75		1.75
Catf irrig (r)	acin			1.00	May			3.86		0.026	0.24	2.6000				4.11
Feeder truck	ton			1.00	May			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.10	May		0.80	0.69	0.100	0.96					2.46
Harv & haul catfish	cwt			1.00	May							10.0000	5.50	55.00		55.00
Custom restk catfish	thou											1.0500	25.00	26.25		26.25
Fingerlings	thou											1.0500	110.00	115.50		115.50
Side Mount Mower	6 ft	75		0.500	0.25	May	1.13	0.76	0.36	2.12	0.126	1.20				5.60
PTO aerator	hour	68		1.000	0.60	May	5.41	3.64	0.09	0.47	0.060	0.57				10.20
10Hp aerator-10(r)	hour			1.00	Jun			14.85		1.400	13.44	14.0000				28.29
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			2.08		0.014	0.13	1.4000				2.21
Feeder truck	ton			1.00	Jun			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.4130	260.00	107.38		107.38
Medicated feed	ton											0.1370	706.00	96.72		96.72
Pickup truck	1/2 ton			1.000	0.15	Jun		1.20	1.04	0.150	1.44					3.69
PTO aerator	hour	68		1.000	1.40	Jun	12.63	8.50	0.21	1.11	0.140	1.34				23.82
10Hp aerator-10(r)	hour			1.00	Jul			14.85		1.400	13.44	14.0000				28.29
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			5.80		0.039	0.37	3.9000				6.17
Feeder truck	ton			1.00	Jul			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.15	Jul		1.20	1.04	0.150	1.44					3.69
PTO aerator	hour	68		1.000	1.40	Jul	12.63	8.50	0.21	1.11	0.140	1.34				23.82
10Hp aerator-10(r)	hour			1.00	Aug			14.85		1.400	13.44	14.0000				28.29
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			6.84		0.046	0.44	4.6000				7.28
Feeder truck	ton			1.00	Aug			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.35	Aug		2.86	2.46	0.355	3.40					8.73
Harv & haul catfish	cwt			1.00	Aug							9.5000	5.50	52.25		52.25
Custom restk catfish	thou											0.9800	25.00	24.50		24.50
Fingerlings	thou											0.9800	110.00	107.80		107.80
Side Mount Mower	6 ft	75		0.500	0.25	Aug	1.13	0.76	0.36	2.12	0.126	1.20				5.60
PTO aerator	hour	68		1.000	1.90	Aug	17.15	11.54	0.28	1.51	0.190	1.82				32.32
10Hp aerator-10(r)	hour			1.00	Sep			14.85		1.400	13.44	14.0000				28.29
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			4.16		0.028	0.26	2.8000				4.43
Feeder truck	ton			1.00	Sep			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.15	Sep		1.20	1.04	0.150	1.44					3.69
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.50	37.95		37.95
Custom restk catfish	thou											0.7200	25.00	18.00		18.00
Fingerlings	thou											0.7200	110.00	79.20		79.20
PTO aerator	hour	68		1.000	1.40	Sep	12.63	8.50	0.21	1.11	0.140	1.34				23.82
10Hp aerator-10(r)	hour			1.00	Oct			6.36		0.600	5.76	6.0000				12.12
Other labor	hour											3.0000	9.60	28.80		28.80
Water consultant	acre					</										

Table 10.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10 Acre Ponds,
(CON'T) Louisiana, 2007.

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-----			
Catfish feed	ton											0.4130	260.00	107.38	107.38
Medicated feed	ton											0.1370	706.00	96.72	96.72
Harv & haul catfish	cwt			1.00	Oct							10.0000	5.50	55.00	55.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	110.00	115.50	115.50
PTO aerator	hour	68	1.000	0.60	Oct	5.41	3.64	0.09	0.47	0.060	0.57				10.20
Catf irrig (r)	acin			1.00	Nov			3.12	0.47	0.021	0.20	2.1000			3.32
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Nov			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.63	0.90	0.014	0.14				1.67
Fall chemicals	lbs											8.8200	1.90	16.75	16.75
Pickup truck	1/2 ton		1.000	0.52	Nov			4.19	3.61	0.520	4.99				12.79
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.50	63.80	63.80
Custom restk catfish	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	110.00	132.00	132.00
Catf irrig (r)	acin			1.00	Dec			3.12		0.021	0.20	2.1000			3.32
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Dec			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
TOTALS						78.09	52.56	211.32	133.71	12.051	115.69			2909.58	3500.98
INTEREST ON OPERATING CAPITAL															154.05
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3655.03

Table 11.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10 Acre Ponds with Generator, Louisiana, 2007.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						dollars		dollars		dollars		dollars				
Catf pond&eq 6x10(r)	acre			1.00	Jan			26.57	50.90			1.0000				77.47
Rent (catf diesel)	acre											1.0000	200.00	200.00		200.00
Catf irrig (d,r)	acin			1.00	Jan			4.99		0.021	0.20	2.1000				5.19
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	15.00	0.75		0.75
Shotgun shells	box											0.2500	5.00	1.25		1.25
Feeder truck	ton			1.00	Jan			1.02	52.22	0.030	0.28	0.1500				53.53
Catfish feed	ton											0.1500	260.00	39.00		39.00
Catf irrig (d,r)	acin			1.00	Feb			5.47		0.023	0.22	2.3000				5.69
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	15.00	0.75		0.75
Shotgun shells	box											0.2500	5.00	1.25		1.25
Feeder truck	ton			1.00	Feb			1.02		0.030	0.28	0.1500				1.31
Catfish feed	ton											0.1500	260.00	39.00		39.00
Pickup truck	1/2 ton			1.000	0.42	Feb		3.38	2.91	0.420	4.03					10.33
Catf irrig (d,r)	acin			1.00	Mar			5.94		0.025	0.24	2.5000				6.18
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	15.00	0.75		0.75
Shotgun shells	box											0.2500	5.00	1.25		1.25
Feeder truck	ton			1.00	Mar			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Boat, Motor & Trailer	14 ft			0.075	0.75	Mar		2.62	3.77	0.061	0.59					6.99
Spring chemicals	lbs											18.0000	0.60	10.80		10.80
10Hp aerator-10(d,r)	hour			1.00	Apr			14.64		0.600	5.76	6.0000				20.40
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			5.47		0.023	0.22	2.3000				5.69
Feeder truck	ton			1.00	Apr			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.30	Apr		2.45	2.11	0.305	2.92					7.50
Harv & haul catfish	cwt			1.00	Apr							4.8000	5.50	26.40		26.40
Custom restk catfish	thou											0.5000	25.00	12.50		12.50
Fingerlings	thou											0.5000	110.00	55.00		55.00
PTO aerator	hour	68		1.000	1.10	Apr	9.92	6.68	0.16	0.87	0.110	1.05				18.71
10Hp aerator-10(d,r)	hour			1.00	May			14.64		0.600	5.76	6.0000				20.40
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			6.18		0.026	0.24	2.6000				6.43
Feeder truck	ton			1.00	May			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.10	May		0.80	0.69	0.100	0.96					2.46
Harv & haul catfish	cwt			1.00	May							10.0000	5.50	55.00		55.00
Custom restk catfish	thou											1.0500	25.00	26.25		26.25
Fingerlings	thou											1.0500	110.00	115.50		115.50
Side Mount Mower	6 ft	75		0.500	0.25	May	1.13	0.76	0.36	2.12	0.126	1.20				5.60
PTO aerator	hour	68		1.000	0.60	May	5.41	3.64	0.09	0.47	0.060	0.57				10.20
10Hp aerator-10(d,r)	hour			1.00	Jun			34.17		1.400	13.44	14.0000				47.61
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			3.33		0.014	0.13	1.4000				3.46
Feeder truck	ton			1.00	Jun			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.4130	260.00	107.38		107.38
Medicated feed	ton											0.1370	706.00	96.72		96.72
Pickup truck	1/2 ton			1.000	0.15	Jun		1.20	1.04	0.150	1.44					3.69
PTO aerator	hour	68		1.000	1.40	Jun	12.63	8.50	0.21	1.11	0.140	1.34				23.82
10Hp aerator-10(d,r)	hour			1.00	Jul			34.17		1.400	13.44	14.0000				47.61
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			9.27		0.039	0.37	3.9000				9.65
Feeder truck	ton			1.00	Jul			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.15	Jul		1.20	1.04	0.150	1.44					3.69
PTO aerator	hour	68		1.000	1.40	Jul	12.63	8.50	0.21	1.11	0.140	1.34				23.82
10Hp aerator-10(d,r)	hour			1.00	Aug			34.17		1.400	13.44	14.0000				47.61
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			10.94		0.046	0.44	4.6000				11.38
Feeder truck	ton			1.00	Aug			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.35	Aug		2.86	2.46	0.355	3.40					8.73
Harv & haul catfish	cwt			1.00	Aug							9.5000	5.50	52.25		52.25
Custom restk catfish	thou											0.9800	25.00	24.50		24.50
Fingerlings	thou											0.9800	110.00	107.80		107.80
Side Mount Mower	6 ft	75		0.500	0.25	Aug	1.13	0.76	0.36	2.12	0.126	1.20				5.60
PTO aerator	hour	68		1.000	1.90	Aug	17.15	11.54	0.28	1.51	0.190	1.82				32.32
10Hp aerator-10(d,r)	hour			1.00	Sep			34.17		1.400	13.44	14.0000				47.61
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			6.66		0.028	0.26	2.8000				6.92
Feeder truck	ton			1.00	Sep			3.75		0.110	1.05	0.5500				4.80
Catfish feed	ton											0.5500	260.00	143.00		143.00
Pickup truck	1/2 ton			1.000	0.15	Sep		1.20	1.04	0.150	1.44					3.69
Harv & haul catfish	cwt			1.00	Sep							6.9000	5.50	37.95		37.95
Custom restk catfish	thou											0.7200	25.00	18.00		18.00
Fingerlings	thou											0.7200	110.00	79.20		79.20
PTO aerator	hour	68		1.000	1.40	Sep	12.63	8.50	0.21	1.11	0.140	1.34				23.82
10Hp aerator-10(d,r)	hour			1.00	Oct			14.64		0.600	5.76	6.0000				20.40
Other labor	hour											3.0000	9.60	28.80		28.80
Water consultant	acre															

Table 11.B Estimated Resource Use and Costs for Field Operations per Acre, Catfish, Tenant-Operator, 10 Acre Ponds with Generator, (CON'T) Louisiana, 2007.

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-----			
Catfish feed	ton											0.4130	260.00	107.38	107.38
Medicated feed	ton											0.1370	706.00	96.72	96.72
Harv & haul catfish	cwt			1.00	Oct							10.0000	5.50	55.00	55.00
Custom restk catfish	thou											1.0500	25.00	26.25	26.25
Fingerlings	thou											1.0500	110.00	115.50	115.50
PTO aerator	hour	68	1.000	0.60	Oct	5.41	3.64	0.09	0.47	0.060	0.57				10.20
Catf irrig (d,r)	acin			1.00	Nov			4.99	0.47	0.021	0.20	2.1000			5.19
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Nov			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
Boat, Motor & Trailer	14 ft		0.075	0.18	Nov			0.63	0.90	0.014	0.14				1.67
Fall chemicals	lbs											8.8200	1.90	16.75	16.75
Pickup truck	1/2 ton		1.000	0.52	Nov			4.19	3.61	0.520	4.99				12.79
Harv & haul catfish	cwt			1.00	Nov							11.6000	5.50	63.80	63.80
Custom restk catfish	thou											1.2000	25.00	30.00	30.00
Fingerlings	thou											1.2000	110.00	132.00	132.00
Catf irrig (d,r)	acin			1.00	Dec			4.99		0.021	0.20	2.1000			5.19
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	15.00	0.75	0.75
Shotgun shells	box											0.2500	5.00	1.25	1.25
Feeder truck	ton			1.00	Dec			1.02		0.030	0.28	0.1500			1.31
Catfish feed	ton											0.1500	260.00	39.00	39.00
TOTALS						78.09	52.56	343.13	133.71	12.051	115.69			2909.58	3632.78
INTEREST ON OPERATING CAPITAL															159.84
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3792.63

Appendix Table 1. A Summary of Projected Costs Based on Reduced Fishing Days for Crawfish and Crawfish-Rice Production, Louisiana, 2007.

	Base	-10%	-20%	-30%
Crawfish Enterprises:				
Northeast Louisiana				
Non-aerated, Owner				
fishing days	88	79	71	61
Direct Expenses	324.24	308.13	293.78	275.90
Fixed Expenses	159.70	159.17	158.70	158.11
Total Expenses	483.94	467.30	452.48	434.01
Southwest Louisiana				
Non-aerated, Owner				
fishing days	94	85	75	66
Direct Expenses	521.74	499.70	474.83	452.05
Fixed Expenses	167.84	167.31	166.72	166.19
Total Expenses	689.58	667.01	641.55	618.24
Crawfish -Rice Owner				
fishing days	83	75	67	59
Direct Expenses	1016.20	992.52	975.98	959.45
Fixed Expenses	202.33	202.26	201.78	201.31
Total Expenses	1225.53	1194.78	1177.76	1160.76

Appendix Table 2. Operating Inputs: Estimated Prices, Louisiana, 2007.

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
BAIT					
Crawfish bait (fish)	lbs	0.35	Manuf. crawfish bait	lbs	0.22
CUSTOM					
Airplane fert	cwt	5.00	Airplane fert	acre	5.00
Airplane seed	acre	5.00	Airplane seed	cwt	5.60
Airplane stam	acre	6.50	App by air	appl	4.50
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	5.50
Haul rice	cwt	0.25	LARice Air Plant sw	cwt	5.60
LARice GPS Charge SW	acre	0.35	Water consultant	acre	1.75
FEED					
Catfish feed	ton	260.00	Medicated feed	ton	706.00
FERTILIZER					
Anhydrous (82%)	lbs	0.15	Nitrogen	lbs	0.39
Nitrogen (32%)	lbs	0.39	Phosphate	lbs	0.31
Potash	lbs	0.22	Urea (45%)	lbs	0.18
FUNGICIDES					
Quadris	oz	1.91	Tilt	oz	2.68
HERBICIDES					
2,4-D Amine 4	pt	1.66	2,4-D LV4	pt	2.00
Facet 75DF	lb	48.37	Fall chemicals	lbs	1.90
Londax 60DF	oz	10.92	Spring chemicals	lbs	0.60
HIRED LABOR					
Irrigation labor	hour	9.60	Other labor	hour	9.60
Predator cntrl labor	hour	9.60			
INSECTICIDES					
Karate Z	oz	3.00	Methyl parathion	pt	4.26
Sevin 80% S	lbs	5.41			
OTHER					
Accounting service	dol	1.00	Farmstead & drainage	dol	1.00
Fingerlings	thou	110.00	Hip boots	pair	74.95
Levee gate	gate	10.00	Misc. overhead	dol	1.00
Plastic	sqft	0.05	Propane	tank	15.00
Rent (catf diesel)	acre	200.00	Rent (catf electric)	acre	200.00
Rice gate	each	3.65	Sacks	each	0.40
Seed crawfish	lbs	1.00	Shotgun shells	box	5.00
Stunted crawfish	lbs	0.80	Supply & misc	dol	1.00
Twine	ton	0.75	Utilities	dol	1.00
Waders	pair	120.00			
SEED					
Common bermuda seed	lbs	3.50	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, 2007.

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	8.06	6.94		
Tractor (15-30hp)	22		8	600	8,200	15	1.13	2.85	1.69		
Tractor (40-59hp)	50		8	600	18,914	15	2.57	5.98	3.90		
Tractor (60-89hp)	75		8	600	29,457	15	3.86	9.02	6.07		
Tractor (90-115hp)	105		8	600	55,050	15	5.40	13.06	11.35		
Tractor (200-249hp)	225		8	600	128,077	15	11.58	28.32	27.48		
Tractor (106-130hp)	118		8	600	72,389	15	6.69	16.31	14.93		
Tractor (140-159hp)	150		8	600	83,238	15	7.72	18.81	17.16		
Tractor (140-159hp)	150 MFWD		8	600	99,584	15	7.72	19.32	20.54		
Tractor (160-170hp)	170		8	600	92,346	15	8.75	21.26	19.81		
Tractor (180-199hp)	190		8	600	107,634	15	9.77	23.90	23.09		
Tractor (200-249)CB	4WD 225		8	600	145,396	15	11.58	28.86	31.19		
Tractor (250-349hp)	300		8	600	153,473	15	15.44	37.22	32.92		
Tractor GC(90-115hp)	105		8	600	55,050	15	2.59	7.15	11.35		
Tractor PTO(60-89hp)	68		8	600	29,457	15	3.86	9.02	6.07		
Tractor(140-159hp)CB	MFWD 150		8	600	99,584	15	7.72	19.32	20.54		
Tractor(350-449hp)	4WD 300		8	600	153,473	15	15.44	37.22	32.92		
2 man cf combine	12 hp	0.063	10	923	6,600	40	0.30	0.97	0.93	0.05	
Boat, Motor&Trailer	14 ft	0.075	8	12	5,775	69	4.00	46.71	67.16	5.03	
Combine Rice	25 Ft	0.300	10	300	186,987	80	8.60	67.92	81.65	24.49	
Crawfish combine	12 hp	0.075	10	1098	6,600	40	0.30	0.93	0.78	0.05	
Feeder truck	1 ton	0.016	10	200	25,325	33	2.66	10.31	0.17	16.58	0.27
Pickup truck	1/2 ton	1.000	5	800	25,000	45	2.50	8.06	8.06	6.94	6.94
Truck	5 ton	1.000	12	100	115,000	100	5.00	107.33	107.33	133.53	133.53

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, 2007.

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	61,912	88	54.48	27.24	81.11	40.55
Blade-Scraper	10'	1.176	20	200	2,353	190	1.11	1.31	1.01	1.19
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	25,699	50	7.13	0.58	16.57	1.35
Disk Harrow	32'	0.061	10	180	32,347	50	8.98	0.55	20.86	1.28
Ditcher rotary	1.5 ft	0.020	10	200	4,305	80	1.72	0.03	2.49	0.04
Ditcher side	1.5	0.009	10	200	4,305	80	1.72	0.01	2.49	0.02
Dozer blade	8 ft	0.880	20	100	3,500	66	1.15	1.01	3.06	2.69
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	10,633	88	6.23	0.37	9.28	0.55
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	17,863	25	4.46	0.27	20.74	1.29
Field cultivator	32 ft	0.046	10	100	26,591	25	6.64	0.31	30.87	1.44
Grain cart	500 bu	0.288	12	200	14,774	65	4.00	1.15	7.72	2.22
Grain drill	12 ft	0.157	8	150	14,157	45	5.30	0.83	11.21	1.76
Grain drill	20 ft	0.094	8	150	31,543	45	11.82	1.11	24.97	2.35
Harrow	13Ft	0.119	10	200	3,690	70	1.29	0.15	2.14	0.25
Levee plow	8 Ft	0.050	10	150	5,211	50	1.73	0.08	4.55	0.22
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	6,735	44	1.97	0.25	5.88	0.76
Rotary mower-levees	6.7 ft	0.500	10	150	3,686	44	1.08	0.54	3.21	1.60
Side Mount Mower	6 ft	0.500	6	50	4,400	20	2.93	1.46	16.87	8.43
Spike harrow	18 ft	0.080	10	200	4,590	70	1.60	0.12	2.66	0.21
Tractor blade	6 ft	1.000	20	200	1,208	190	0.57	0.57	0.52	0.52
Water level	24 ft	0.149	15	100	2,750	66	1.21	0.18	2.79	0.41

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, 2007.

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	0.006	0.575	0.057		24.41
10 Hp ss pdwl	hour	0.124	11.500	1.159		85.16
10Hp aerator-10	hour	0.026	11.500	1.061	0.474	48.83
10Hp aerator-10(d)	hour	0.026	1.150	2.441	0.474	48.53
10Hp aerator-10(d,r)	hour	0.026	1.150	2.441		
10Hp aerator-10(r)	hour	0.026	11.500	1.061		
Catf irrig	acin	0.166	15.525	1.563		30.33
Catf irrig (d)	acin	0.278	1.082	2.550		47.88
Catf irrig (d,r)	acin	0.106	1.082	2.378		
Catf irrig (r)	acin	0.090	15.525	1.487		
Catf pond&eq 6x10(r)	acre	26.570	0.000	26.570		50.90
Catf pond&equip 6x10	acre	24.480	0.000	24.480		242.87
Crawf irrig double	acin	0.298	2.227	4.974		34.59
Crawf irrig north LA	acin	0.356	0.708	1.842		16.68
Crawf irrig single	acin	0.525	2.227	5.201		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
Feeder truck	ton	4.061	1.200	6.821		52.22
Irrigation system 1	acre	3.750	53.958	117.061		38.96

Appendix Table 6. 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
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