
**2011
Projected
Commodity
Costs
And
Returns**

Dairy and Associated Forage Crop Production in Louisiana

**Robert W. Boucher, Jeffrey M. Gillespie
and Charles F. Hutchison**



**Farm Management Research & Extension
Department of Agricultural Economics & Agribusiness
A.E.A. Information Series No. 275 - February 2011**

PROJECTED COSTS AND RETURNS FOR DAIRY
AND ASSOCIATED
FORAGE CROP PRODUCTION IN LOUISIANA, 2011

by

Robert W. Boucher
Jeffrey M. Gillespie
Charles F. Hutchison



Louisiana State University Agricultural Center
William B. Richardson, Chancellor

Louisiana Agricultural Experiment Station
John S. Russin, Interim Vice-Chancellor and Director

Department of Agricultural Economics and Agribusiness
Gail Cramer, Head

The Louisiana Agricultural Experiment Station follows
a nondiscriminatory policy in programs and employment.

TABLE OF CONTENTS

	PAGE
INTRODUCTION	C 1
DAIRY PRODUCTION BUDGETS	C 2
FORAGE CROP BUDGETS	C 2
SUMMARY OF COSTS AND RETURNS	C 2

LIST OF TABLES

TABLE		
1	Summary of Estimated Costs and Returns per Head for Dairy Production, Louisiana, 2011.	C 3
2	Summary of Estimated Costs per Acre and per Ton for Selected Forage Crops, Louisiana, 2011.	C 3
3	Breakeven Selling Prices for Milk, Selected Production Levels, Louisiana, 2011.	C 3
4A-5A (4B-5B)	Estimated Costs and Returns per Dairy Cow for Selected Situations, Louisiana, 2011.	C4-C5, C10-C11
6A-7A (6B-7B)	Estimated Costs per Acre and per Ton for Selected Harvested Forage Crops, Louisiana, 2011.	C6, C12
8A-9A (8B-9B)	Estimated Costs per Acre for Establishment of Selected Permanent Pasture Crops, Louisiana, 2011.	C7, C13
10A-12A (10B-12B)	Estimated Costs per Acre for Selected Summer Pasture Crops, Louisiana, 2011.	C8-C9, C13-C14
13A (13B)	Estimated Costs per Acre, Temporary Winter Pastures, Prepared Seedbed, Dairy Herds, Louisiana, 2011.	C9, C14

APPENDIX TABLES

1	Powered Equipment: Estimated Performance Rate, Useful Life, Annual Use, Purchase Price, Repair Cost, Fuel Consumption Rate, and Direct and Fixed Costs per Hour and per Acre, 2011.	C15
2	Implements: Estimated Performance Rate, Useful Life, Annual Use, Purchase Price, Repair Cost, and Direct and Fixed Costs per Hour and per Acre, 2011.	C16
3	Durable Inputs: Estimated Repair Cost, Fuel Consumption Rate, Direct Cost per Unit of Measure and Fixed Cost per Unit of Measure per Acre, Louisiana, 2011.	C17
4	Operating Inputs: Estimated Prices, Louisiana, 2011.	C18

ACKNOWLEDGMENTS

Annual cost projections published by the Department of Agricultural Economics and Agribusiness are a joint effort of the Farm Management Research Committee. The authors are indebted to many persons within the Louisiana State University Agricultural Center who provided data and/or consultation for the budget projections. The authors are grateful to Ms. Lynda Shoalmire and to County Agents and dairy producers who generously gave both time and information to make these estimates possible. Acknowledgment of the contributions of the above individuals is not intended to imply their endorsement of the published budgets. The authors accept sole responsibility for the content of this publication.

PROJECTED COSTS AND RETURNS FOR DAIRY
AND ASSOCIATED
FORAGE CROP PRODUCTION IN LOUISIANA, 2011

by

Robert W. Boucher ¹, Jeffrey M. Gillespie ¹ and Charles F. Hutchison ²

INTRODUCTION

This report presents projected costs and returns for dairy and associated forage crop production in Louisiana for 2011. Data for this report are based on Louisiana Agricultural Experiment Station research results and selected surveys. The procedure used in this report was to apply new machinery and other current input price data to production practice data. This report is organized as follows: Tables 1 - 2 present dairy production summaries of costs and returns for each of the enterprises examined in this report. Tables 3 reports breakeven selling prices for milk.

Budgets in this publication are presented in two sections. The first section (tables with 'A' designation) presents budgets showing a summary of estimated costs and returns for each enterprise. The second section (tables with 'B' designation) presents cost budgets showing detailed costs and labor requirements by operation for each enterprise. The detailed cost budgets are presented in the same sequence and bear the same table numbers for each enterprise presented in the first section.

Expenses are itemized as fixed and direct, and returns above direct and total specified expenses are also calculated. Each of the budgets incorporates overhead costs as a residual claimant. The total overhead costs for a firm are related to tenure and size of business. The overhead costs included in this report are estimated on a per acre basis, and thus are included in enterprise budgets on a per acre of land use basis. Land use for dairy is calculated as acres of open permanent pasture plus acres used for silage or summer annual forages. Since livestock enterprises are combinations of both crop and livestock production activities and some pasture crops are double cropped, particular attention is called to the accounting procedures used. No overhead is charged to forage production activities. Therefore, overhead costs appear directly as a residual cost in dairy enterprise budgets.

A land opportunity cost is charged. This is interpreted as the amount that would be charged for the land if it were being rented to another producer. It assumes that pasture is rented at \$30/acre.

¹ Research Associate and Martin D. Woodin Endowed Professor, Department of Agricultural Economics and Agribusiness, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center, Baton Rouge. ² Associate Professor of Dairy Science, School of Animal Sciences, Louisiana State University Agricultural Center, Baton Rouge.

DAIRY PRODUCTION BUDGETS

Budgets showing projected costs and returns for two feeding programs for dairy production are presented (Tables 4-5). Production practices and feeding programs are based on unpublished surveys of Louisiana dairy producers and consultation with panels of dairy farmers, the managers of the LSU dairy herds and Louisiana Cooperative Extension Service Dairy Specialists. The higher production level approximates the average production level for Louisiana DHIA herds. The lower production level approximates the average production level for Louisiana commercial dairy herds. These budgets are presented to indicate anticipated costs and returns for average and above average producers and should not be interpreted as representative of all Louisiana dairy producers.

Table 3 shows breakeven selling prices for milk for five production levels for each production situation presented. Breakeven selling prices are presented for two levels of costs:

- (1) Breakeven selling prices required to recover direct cash expenses excluding labor and interest on operating capital.
- (2) Breakeven selling prices required to recover total specified expenses.

Particular note should be made that Total Specified Expenses do not include land and overhead costs. Therefore, prices higher than those shown in Table 3 would be required before any return to investment in overhead and land would be realized. These income estimates also do not include MILC payments.

FORAGE CROP BUDGETS

A cost budget is presented for corn-silage production typical of Louisiana dairies (Table 6). A hay harvest situation is presented that reflects harvest technology used by producers (Tables 7). Production cost budgets are also shown for establishment and production of winter and summer forages for herds in Louisiana (Tables 8-13). Production practices are based on survey data supplemented with information obtained by consultation with Louisiana Cooperative Extension Service Agronomists and Dairy Specialists.

The sizes of machines assumed in the budgets are representative of the majority of dairy producers. Dairy farmers operating large crop farms experience lower labor requirements and slightly lower machinery costs by taking advantage of larger land preparation equipment. The machinery information presented in the appendix can be used to adjust machinery costs and labor requirements for budgets presented in this report to fit a particular farm situation.

SUMMARY OF COSTS AND RETURNS

Summaries of estimated costs and returns and breakeven selling prices for the dairy situations included in this report are presented in Table 3. Dairy production shows returns above direct costs for 2011 (Tables 1 and 5).

Breakeven selling prices presented in this report (Table 3) represents the cost per unit of output at alternative yield levels. A price higher than the breakeven price would have to be received before the operator would receive a positive net return. Breakeven prices have been presented for direct costs (a close approximation of cash costs for most producers) and for total specified costs, which represent all costs except land, overhead and risk for the business. Therefore, owner-operators would need a price above the breakeven price before a positive return to land, overhead and risk would be realized.

Table 1. Summary of Estimated Costs and Returns Per Head for and Dairy Production, Louisiana, 2011.

Enterprise Description	Total Income	Total Direct Costs	Returns Above Direct Costs	Total Fixed Costs	Total Specified Costs a/	Returns Above Specified Costs
Dairy, Average Production, Pasture-Hay a/	2815.62	2708.61	107.01	385.51	3094.12	-278.50
Dairy, Above Avg. Production, Pasture-Hay-Silage b/	3301.37	2921.39	379.98	394.57	3315.96	-14.59

a/ Based on 13,500 lbs of milk per cow with raised replacements. Milk valued at \$18.71 per cwt; cull cows, cull heifer and bull calves at \$48.50, \$93 and \$25 per cwt, respectively.

b/ Based on 160,000 lbs of milk per cow with raised replacements. Prices assumed same as above.

Table 2. Summary of Estimated Costs Per Acre and Per Ton for Selected Forage Crops, Louisiana, 2011. a/

Enterprise Description	Yield Per Acre	Total Direct Costs Per Acre	Fixed Costs Per Acre	Total Specified Costs Per Acre	Total Specified Costs Per Ton
HARVESTED FORAGES:					
Corn Silage - 4 Row, Alluvial Soils	13.7 tons	494.47	30.09	524.56	38.29
Hay Harvest, Large Round Bale	1.5 tons	33.78	17.22	51.00	34.00
ESTABLISHMENT (PERMANENT PASTURES):					
Coastal Bermudagrass	-	218.16	22.40	240.56	
Common Bermudagrass	-	154.09	14.76	168.85	
SUMMER PASTURES:					
Native Pasture, All Areas	-	3.19	1.28	4.47	
Improved Pasture, for Dairy	-	184.40	27.77	212.17	
Summer Temporary Pasture for Dairy	-	171.46	15.95	187.41	
PREPARED SEEDBED:					
Ryegrass, All Areas	-	122.47	7.71	130.18	
Ryegrass, Clover for Dairy	-	200.07	17.03	217.10	

a/ Includes all costs except land, management, overhead and risk.

Table 3. Breakeven Selling Prices for Milk, Selected Production Levels, Louisiana, 2011.

Enterprise Description	Production Levels				
	-20%	-10%	Base a/	10%	20%
Dollars per Cwt.					
PRICES REQUIRED TO RECOVER DIRECT COSTS:					
Dairy, Pasture-Hay, Average Production	22.45	19.95	17.96	16.32	14.96
Dairy, Pasture-Hay-Silage, Above Average Production	20.47	18.19	16.38	14.89	13.65
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS: b/					
Dairy, Pasture- Hay, Average Production	26.02	23.13	20.81	18.92	17.34
Dairy, Pasture- Hay- Silage, Above Average Production	23.55	20.93	18.84	17.13	15.70

a/ Base yield levels for milk production were 13,500 and 16,000 lbs per cow for average and above average producers, respectively.

b/ Includes all costs except land, management, overhead and risk.

c/ These breakeven prices assume no market loss payments.

Table 4.D Estimated Costs and Returns per Cow,
Dairy Herds, Average Production, Pasture-Hay
Feeding System, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milk	cwt	18.75	135.0000	2531.25	_____
Cull cow	cwt	48.50	3.2400	157.14	_____
Cull dairy heifer	cwt	93.00	0.2600	24.18	_____
Bull calves	cwt	25.00	0.4500	11.25	_____
Avg. Non-rBST Prm.	cwt	0.48	135.0000	64.80	_____
Avg Quality Incentiv	cwt	0.20	135.0000	27.00	_____

TOTAL INCOME				2815.62	_____
DIRECT EXPENSES					
CUSTOM					
Hauling cattle	head	7.00	0.7300	5.11	_____
Hauling milk	cwt	0.90	135.0000	121.50	_____
Breeding fees	dol	17.50	2.5000	43.75	_____
FEED					
Dairy feed 16% (D&H)	ton	325.00	0.6000	195.00	_____
Dairy feed 16%	ton	329.00	1.7000	559.30	_____
Dairy feed 22%	ton	337.00	1.7500	589.75	_____
Calf grower/starter	ton	452.00	0.0600	27.12	_____
Milk replacer	cwt	120.00	0.0100	1.20	_____
HIRED LABOR					
Livestock labor	hour	9.60	36.3400	348.86	_____
OTHER					
Promotion & Mkt	dol	0.15	135.0000	20.25	_____
Mkt. checkoff	head	1.50	0.7300	1.09	_____
Supplies & misc.	dol	1.00	70.0000	70.00	_____
Utilities	dol	1.00	60.0000	60.00	_____
Marketing comm.	dol	0.05	181.0000	9.95	_____
Medication	dol	1.00	90.0000	90.00	_____
PASTURE CROPS					
Hay from pasture	ton	22.52	1.6200	36.48	_____
Winter pasture	acre	200.07	0.8200	164.05	_____
Summer pasture	acre	171.46	0.1700	29.14	_____
Imp. grass pasture	acre	184.40	1.0000	184.40	_____
Native pasture	acre	3.19	0.2300	0.73	_____
OPERATOR LABOR					
Tractors	hour	9.60	1.8600	17.85	_____
Self-Propelled Eq.	hour	9.60	0.9000	8.64	_____
Dairy facility	hour	9.60	1.8800	18.04	_____
DIESEL FUEL					
Tractors	gal	2.75	7.1803	19.74	_____
Self-Propelled Eq.	gal	2.75	2.2500	6.18	_____
REPAIR & MAINTENANCE					
Implements	cow	1.01	1.0000	1.01	_____
Tractors	cow	2.33	1.0000	2.33	_____
Self-Propelled Eq.	cow	2.53	1.0000	2.53	_____
Dairy facility	head	60.10	1.0000	60.10	_____
INTEREST ON OP. CAP.	cow	14.44	1.0000	14.44	_____

TOTAL DIRECT EXPENSES				2708.61	_____
RETURNS ABOVE DIRECT EXPENSES				107.00	_____
FIXED EXPENSES					
Implements	cow	1.73	1.0000	1.73	_____
Tractors	cow	14.50	1.0000	14.50	_____
Self-Propelled Eq.	cow	6.08	1.0000	6.08	_____
Dairy bull	head	110.00	0.0100	1.10	_____
Dairy cow	head	104.50	1.0000	104.50	_____
Dairy heifer < 500	head	44.00	0.4500	19.80	_____
Dairy heifer > 500	head	110.00	0.3000	33.00	_____
Imp. grass pasture	acre	27.77	1.0000	27.77	_____
Native pasture	acre	1.28	0.2300	0.29	_____
Summer pasture	acre	15.95	0.1700	2.71	_____
Winter pasture	acre	17.03	0.8200	13.96	_____
Hay from pasture	ton	11.48	1.6200	18.59	_____
Dairy facility	head	141.45	1.0000	141.45	_____

TOTAL FIXED EXPENSES				385.51	_____

TOTAL SPECIFIED EXPENSES				3094.13	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-278.51	_____
ALLOCATED COST ITEMS					
Overhead (Owner) 08	acre	98.55	1.0000	98.55	_____
RESIDUAL RETURNS					
Land (oppor. cost)	acre	42.00	1.0000	42.00	_____
RESIDUAL RETURNS				-419.06	_____

Table 5.D Estimated Costs and Returns per Cow,
Dairy Herds, Above Average Production,
Pasture-Hay-Silage Feeding System, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milk	cwt	18.75	160.0000	3000.00	_____
Cull cow	cwt	48.50	3.2400	157.14	_____
Cull dairy heifer	cwt	93.00	0.2600	24.18	_____
Bull calves	cwt	25.00	0.4500	11.25	_____
Avg Quality Incentiv	cwt	0.20	160.0000	32.00	_____
Avg. Non-rBST Prm.	cwt	0.48	160.0000	76.80	_____

TOTAL INCOME				3301.37	_____
DIRECT EXPENSES					
CUSTOM					
Hauling cattle	head	7.00	0.7300	5.11	_____
Hauling milk	cwt	0.90	160.0000	144.00	_____
Breeding fees	dol	17.50	2.5000	43.75	_____
FEED					
Dairy feed 16% (D&H)	ton	325.00	0.6000	195.00	_____
Dairy feed 16%	ton	329.00	1.7000	559.30	_____
Dairy feed 22%	ton	337.00	1.7500	589.75	_____
Calf grower/starter	ton	452.00	0.0600	27.12	_____
Milk replacer	cwt	120.00	0.0100	1.20	_____
HIRED LABOR					
Livestock labor	hour	9.60	36.3400	348.86	_____
OTHER					
Promotion & Mkt	dol	0.15	160.0000	24.00	_____
Mkt. checkoff	head	1.50	0.7300	1.09	_____
Supplies & misc.	dol	1.00	70.0000	70.00	_____
Utilities	dol	1.00	60.0000	60.00	_____
Marketing comm.	dol	0.05	181.0000	9.95	_____
Medication	dol	1.00	90.0000	90.00	_____
PASTURE CROPS					
Corn silage	ton	36.09	7.2500	261.65	_____
Hay from pasture	ton	22.52	1.0000	22.52	_____
Winter pasture	acre	200.07	0.6300	126.04	_____
Summer pasture	acre	171.46	0.1900	32.57	_____
Imp. grass pasture	acre	184.40	0.7100	130.92	_____
OPERATOR LABOR					
Tractors	hour	9.60	1.4080	13.51	_____
Self-Propelled Eq.	hour	9.60	0.9000	8.64	_____
Silo	hour	9.60	3.0260	29.04	_____
Dairy facility	hour	9.60	1.8800	18.04	_____
DIESEL FUEL					
Tractors	gal	2.75	5.2192	14.35	_____
Self-Propelled Eq.	gal	2.75	2.2500	6.18	_____
REPAIR & MAINTENANCE					
Implements	cow	2.00	1.0000	2.00	_____
Tractors	cow	1.67	1.0000	1.67	_____
Self-Propelled Eq.	cow	2.53	1.0000	2.53	_____
Silo	ton	0.33	8.9000	2.93	_____
Dairy facility	head	60.10	1.0000	60.10	_____
INTEREST ON OP. CAP.	cow	19.49	1.0000	19.49	_____

TOTAL DIRECT EXPENSES				2921.39	_____
RETURNS ABOVE DIRECT EXPENSES				379.97	_____
FIXED EXPENSES					
Implements	cow	2.80	1.0000	2.80	_____
Tractors	cow	10.40	1.0000	10.40	_____
Self-Propelled Eq.	cow	6.08	1.0000	6.08	_____
Silo	ton	1.64	8.9000	14.59	_____
Dairy bull	head	110.00	0.0100	1.10	_____
Dairy cow	head	104.50	1.0000	104.50	_____
Dairy heifer < 500	head	44.00	0.4500	19.80	_____
Dairy heifer > 500	head	110.00	0.3000	33.00	_____
Imp. grass pasture	acre	27.77	0.7100	19.71	_____
Summer pasture	acre	15.95	0.1900	3.03	_____
Winter pasture	acre	17.03	0.6300	10.72	_____
Hay from pasture	ton	11.48	1.0000	11.48	_____
Dairy facility	head	141.45	1.0000	141.45	_____
Corn silage	ton	2.19	7.2500	15.87	_____

TOTAL FIXED EXPENSES				394.57	_____

TOTAL SPECIFIED EXPENSES				3315.97	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-14.60	_____
ALLOCATED COST ITEMS					
Overhead (Owner)08	acre	160.73	1.0000	160.73	_____
RESIDUAL RETURNS					
Land (oppor. cost)	acre	27.00	1.0000	27.00	_____
RESIDUAL RETURNS				-202.33	_____

Table 6.A Estimated Costs per Acre, Corn Silage,
Alluvial Soils, Custom Cut Haul Pack, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Fertilizer truck	acre	4.50	1.0000	4.50	_____
Direct Cut	ton	6.00	13.7000	82.20	_____
Hauling Silage	mile	0.20	13.7000	2.74	_____
Kernal Processing	ton	1.50	13.7000	20.55	_____
Inoculants	ton	1.00	13.7000	13.70	_____
Silage Packing	ton	1.50	13.7000	20.55	_____
FERTILIZER					
Nitrogen	lbs	0.51	201.0000	102.51	_____
Phosphate	lbs	0.63	76.0000	47.88	_____
Potash	lbs	0.48	94.0000	45.12	_____
HERBICIDE					
Atrazine 4L	pt	2.52	4.0000	10.08	_____
Lasso 4EC	pt	3.30	4.0000	13.20	_____
INSECTICIDE					
Counter 15G	lbs	2.26	5.0000	11.30	_____
SEED					
Corn seed	thou	2.56	29.0000	74.24	_____
OPERATOR LABOR					
Tractors	hour	9.60	1.0278	9.86	_____
DIESEL FUEL					
Tractors	gal	2.75	7.6696	21.09	_____
REPAIR & MAINTENANCE					
Implements	acre	4.24	1.0000	4.24	_____
Tractors	acre	3.17	1.0000	3.17	_____
INTEREST ON OP. CAP.	acre	7.52	1.0000	7.52	_____

TOTAL DIRECT EXPENSES				494.47	_____
FIXED EXPENSES					
Implements	acre	10.34	1.0000	10.34	_____
Tractors	acre	19.74	1.0000	19.74	_____

TOTAL FIXED EXPENSES				30.09	_____

TOTAL SPECIFIED EXPENSES				524.56	_____

Table 7.A Estimated Costs per Ton, Hay Harvested from Pasture,
Round Baler, One and One-Half Ton Yield per Cutting,
Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
OTHER					
Twine	ton	0.75	1.0000	0.75	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.8229	7.89	_____
DIESEL FUEL					
Tractors	gal	2.75	2.8146	7.74	_____
REPAIR & MAINTENANCE					
Implements	ton	4.86	1.0000	4.86	_____
Tractors	ton	0.87	1.0000	0.87	_____
INTEREST ON OP. CAP.	ton	0.39	1.0000	0.39	_____

TOTAL DIRECT EXPENSES				22.52	_____
FIXED EXPENSES					
Implements	ton	6.03	1.0000	6.03	_____
Tractors	ton	5.45	1.0000	5.45	_____

TOTAL FIXED EXPENSES				11.48	_____

TOTAL SPECIFIED EXPENSES				34.01	_____

Table 8.A Estimated Costs per Acre, Coastal Bermudagrass
Establishment, Non-Alluvial Soils, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	lbs	0.51	69.0000	35.19	_____
Phosphate	lbs	0.63	48.0000	30.24	_____
Potash	lbs	0.48	48.0000	23.04	_____
Lime (spread)	ton	46.00	0.3500	16.10	_____
HERBICIDE					
2,4-D	pt	2.08	1.5000	3.12	_____
Grazon P+D	pt	3.87	2.0000	7.74	_____
SEED					
Coastal sprig	bu	3.00	20.0000	60.00	_____
OPERATOR LABOR					
Tractors	hour	9.60	1.3887	13.33	_____
DIESEL FUEL					
Tractors	gal	2.75	5.3610	14.74	_____
REPAIR & MAINTENANCE					
Implements	acre	6.15	1.0000	6.15	_____
Tractors	acre	1.74	1.0000	1.74	_____
INTEREST ON OP. CAP.	acre	6.76	1.0000	6.76	_____

TOTAL DIRECT EXPENSES				218.16	_____
FIXED EXPENSES					
Implements	acre	11.56	1.0000	11.56	_____
Tractors	acre	10.83	1.0000	10.83	_____

TOTAL FIXED EXPENSES				22.40	_____

TOTAL SPECIFIED EXPENSES				240.56	_____

Table 9.A Estimated Costs per Acre, Common Bermudagrass
Establishment, Non-Alluvial Soils, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	lbs	0.51	69.0000	35.19	_____
Phosphate	lbs	0.63	48.0000	30.24	_____
Potash	lbs	0.48	48.0000	23.04	_____
Lime (spread)	ton	46.00	0.3500	16.10	_____
SEED					
Common bermuda seed	lbs	4.10	5.0000	20.50	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.9733	9.34	_____
DIESEL FUEL					
Tractors	gal	2.75	3.7575	10.33	_____
REPAIR & MAINTENANCE					
Implements	acre	3.29	1.0000	3.29	_____
Tractors	acre	1.21	1.0000	1.21	_____
INTEREST ON OP. CAP.	acre	4.83	1.0000	4.83	_____

TOTAL DIRECT EXPENSES				154.09	_____
FIXED EXPENSES					
Implements	acre	7.17	1.0000	7.17	_____
Tractors	acre	7.59	1.0000	7.59	_____

TOTAL FIXED EXPENSES				14.76	_____

TOTAL SPECIFIED EXPENSES				168.85	_____

Table 10.A Estimated Costs per Acre, Annual Maintenance of Native Pastures, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
OPERATOR LABOR					
Tractors	hour	9.60	0.1680	1.61	_____
DIESEL FUEL					
Tractors	gal	2.75	0.4323	1.18	_____
REPAIR & MAINTENANCE					
Implements	acre	0.19	1.0000	0.19	_____
Tractors	acre	0.11	1.0000	0.11	_____
INTEREST ON OP. CAP.	acre	0.07	1.0000	0.07	_____

TOTAL DIRECT EXPENSES				3.19	_____
FIXED EXPENSES					
Implements	acre	0.54	1.0000	0.54	_____
Tractors	acre	0.73	1.0000	0.73	_____

TOTAL FIXED EXPENSES				1.28	_____

TOTAL SPECIFIED EXPENSES				4.47	_____

Table 11.A Estimated Costs per Acre, Annual Maintenance of Summer Improved Permanent Pastures, Dairy Herds, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Fertilizer truck	acre	4.50	3.0000	13.50	_____
FERTILIZER					
Nitrogen	lbs	0.51	174.0000	88.74	_____
Phosphate	lbs	0.63	52.0000	32.76	_____
Potash	lbs	0.48	65.0000	31.20	_____
Lime (spread)	ton	46.00	0.1300	5.98	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.3360	3.22	_____
DIESEL FUEL					
Tractors	gal	2.75	1.2970	3.56	_____
REPAIR & MAINTENANCE					
Implements	acre	0.38	1.0000	0.38	_____
Tractors	acre	0.42	1.0000	0.42	_____
INTEREST ON OP. CAP.	acre	4.62	1.0000	4.62	_____

TOTAL DIRECT EXPENSES				184.40	_____
FIXED EXPENSES					
Implements	acre	1.09	1.0000	1.09	_____
Tractors	acre	2.62	1.0000	2.62	_____
Establishment cost	acre	24.06	1.0000	24.06	_____

TOTAL FIXED EXPENSES				27.77	_____

TOTAL SPECIFIED EXPENSES				212.17	_____

Table 12.A Estimated Costs per Acre, Temporary Summer Pastures,
Prepared Seedbed, Dairy Herds, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Fertilizer truck	acre	4.50	1.0000	4.50	_____
FERTILIZER					
Lime (spread)	ton	46.00	0.1300	5.98	_____
Nitrogen	lbs	0.51	113.0000	57.63	_____
Phosphate	lbs	0.63	37.0000	23.31	_____
Potash	lbs	0.48	55.0000	26.40	_____
SEED					
Millet seed	lbs	0.94	30.0000	28.20	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.7983	7.66	_____
DIESEL FUEL					
Tractors	gal	2.75	3.0820	8.47	_____
REPAIR & MAINTENANCE					
Implements	acre	4.65	1.0000	4.65	_____
Tractors	acre	1.00	1.0000	1.00	_____
INTEREST ON OP. CAP.	acre	3.65	1.0000	3.65	_____
TOTAL DIRECT EXPENSES				171.46	_____
FIXED EXPENSES					
Implements	acre	9.72	1.0000	9.72	_____
Tractors	acre	6.22	1.0000	6.22	_____
TOTAL FIXED EXPENSES				15.95	_____
TOTAL SPECIFIED EXPENSES				187.42	_____

Table 13.A Estimated Costs per Acre, Temporary Winter Pastures,
Prepared Seedbed, Dairy Herds, Louisiana, 2011.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Fertilizer truck	acre	4.50	2.0000	9.00	_____
FERTILIZER					
Nitrogen	lbs	0.51	101.0000	51.51	_____
Phosphate	lbs	0.63	67.0000	42.21	_____
Potash	lbs	0.48	78.0000	37.44	_____
Lime (spread)	ton	46.00	0.1300	5.98	_____
SEED					
Ryegrass seed	lbs	0.50	30.0000	15.00	_____
S1 clover	lbs	3.10	3.0000	9.30	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.9083	8.72	_____
DIESEL FUEL					
Tractors	gal	2.75	3.5067	9.64	_____
REPAIR & MAINTENANCE					
Implements	acre	4.71	1.0000	4.71	_____
Tractors	acre	1.13	1.0000	1.13	_____
INTEREST ON OP. CAP.	acre	5.41	1.0000	5.41	_____
TOTAL DIRECT EXPENSES				200.07	_____
FIXED EXPENSES					
Implements	acre	9.94	1.0000	9.94	_____
Tractors	acre	7.08	1.0000	7.08	_____
TOTAL FIXED EXPENSES				17.03	_____
TOTAL SPECIFIED EXPENSES				217.10	_____

Table 4.B Estimated Resource Use and Costs for Field Operations, per Cow, Dairy Herds, Average Production, Pasture-Hay Feeding System, Louisiana, 2011.

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-----			
Dairy facility	head			1.00	Jan			60.10	141.45	1.880	18.04	1.0000			219.59
Dairy bull	head			1.00	Jan				1.10			0.0100			1.10
Dairy cow	head			1.00	Jan				104.50			1.0000			104.50
Dairy heifer > 500	head			1.00	Jan				33.00			0.3000			33.00
Dairy heifer < 500	head			1.00	Jan				19.80			0.4500			19.80
Hay from pasture	ton			1.00	Nov				18.59			1.6200			18.59
Hay from pasture	ton											1.6200	22.52	36.48	36.48
Winter pasture	acre			1.00	Nov				13.96			0.8200			13.96
Winter pasture	acre											0.8200	200.07	164.05	164.05
Summer pasture	acre			1.00	Nov				2.71			0.1700			2.71
Summer pasture	acre											0.1700	171.46	29.14	29.14
Imp. grass pasture	acre			1.00	Nov				27.77			1.0000			27.77
Imp. grass pasture	acre											1.0000	184.40	184.40	184.40
Native pasture	acre			1.00	Nov				0.29			0.2300			0.29
Native pasture	acre											0.2300	3.19	0.73	0.73
Hay fork	2	75	1.000	1.62	Nov	19.22	12.63	0.15	0.34	1.620	15.55				47.91
Frontend loader	3/4cuyd	75	1.000	0.12	Dec	1.42	0.93	0.39	0.64	0.120	1.15				4.55
Manure spreader	110 bu	75	1.000	0.12	Dec	1.42	0.93	0.46	0.74	0.120	1.15				4.72
Promotion & Mkt	dol			1.00	Dec							135.0000	0.15	20.25	20.25
Mkt. checkoff	head											0.7300	1.50	1.09	1.09
Supplies & misc.	dol			1.00	Dec							70.0000	1.00	70.00	70.00
Utilities	dol											60.0000	1.00	60.00	60.00
Marketing comm.	dol											181.0000	0.05	9.95	9.95
Hauling cattle	head											0.7300	7.00	5.11	5.11
Hauling milk	cwt			1.00	Dec							135.0000	0.90	121.50	121.50
Breeding fees	dol											2.5000	17.50	43.75	43.75
Medication	dol											90.0000	1.00	90.00	90.00
Livestock labor	hour											36.3400	9.60	348.86	348.86
Pickup truck	1/2 ton		1.000	0.90	Dec			8.71	6.08	0.900	8.64				23.44
Dairy feed 16% (D&H)	ton			1.00	Dec							0.6000	325.00	195.00	195.00
Dairy feed 16%	ton											1.7000	329.00	559.30	559.30
Dairy feed 22%	ton											1.7500	337.00	589.75	589.75
Calf grower/starter	ton											0.0600	452.00	27.12	27.12
Milk replacer	cwt											0.0100	120.00	1.20	1.20
TOTALS						22.07	14.50	69.82	371.00	4.640	44.54			2557.71	3079.68
INTEREST ON OPERATING CAPITAL															14.44
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3094.13

Table 5.B Estimated Resource Use and Costs for Field Operations, per Cow, Dairy Herds, Above Average Production, Pasture-Hay-Silage Feeding System, Louisiana, 2011.

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-----			
Dairy facility	head			1.00	Jan			60.10	141.45	1.880	18.04	1.0000			219.59
Dairy bull	head			1.00	Jan				1.10			0.0100			1.10
Dairy cow	head			1.00	Jan				104.50			1.0000			104.50
Dairy heifer > 500	head			1.00	Jan				33.00			0.3000			33.00
Dairy heifer < 500	head			1.00	Jan				19.80			0.4500			19.80
Corn silage	ton			1.00	Jul				15.87			7.2500			15.87
Corn silage	ton											7.2500	36.09	261.65	261.65
Hay from pasture	ton			1.00	Nov				11.48			1.0000			11.48
Hay from pasture	ton											1.0000	22.52	22.52	22.52
Winter pasture	acre			1.00	Nov				10.72			0.6300			10.72
Winter pasture	acre											0.6300	200.07	126.04	126.04
Summer pasture	acre			1.00	Nov				3.03			0.1900			3.03
Summer pasture	acre											0.1900	171.46	32.57	32.57
Imp. grass pasture	acre			1.00	Nov				19.71			0.7100			19.71
Imp. grass pasture	acre											0.7100	184.40	130.92	130.92
Hay fork	2	75	1.000	1.00	Nov	11.86	7.80	0.09	0.21	1.000	9.60				29.57
Frontend loader	3/4cuyd	75	1.000	0.12	Dec	1.42	0.93	0.39	0.64	0.120	1.15				4.55
Manure spreader	110 bu	75	1.000	0.12	Dec	1.42	0.93	0.46	0.74	0.120	1.15				4.72
Promotion & Mkt	dol			1.00	Dec							160.0000	0.15	24.00	24.00
Mkt. checkoff	head											0.7300	1.50	1.09	1.09
Supplies & misc.	dol			1.00	Dec							70.0000	1.00	70.00	70.00
Utilities	dol											60.0000	1.00	60.00	60.00
Marketing comm.	dol											181.0000	0.05	9.95	9.95
Hauling cattle	head											0.7300	7.00	5.11	5.11
Hauling milk	cwt			1.00	Dec							160.0000	0.90	144.00	144.00
Breeding fees	dol											2.5000	17.50	43.75	43.75
Medication	dol											90.0000	1.00	90.00	90.00
Livestock labor	hour											36.3400	9.60	348.86	348.86
Pickup truck	1/2 ton		1.000	0.90	Dec			8.71	6.08	0.900	8.64				23.44
Self unload wagon	4 ton	50	0.200	0.84	Dec	1.30	0.73	1.05	1.19	0.168	1.61				5.90
Silo	ton			1.00	Dec			2.93	14.59	3.026	29.04				46.58
Dairy feed 16% (D&H)	ton			1.00	Dec							0.6000	325.00	195.00	195.00
Dairy feed 16%	ton											1.7000	329.00	559.30	559.30
Dairy feed 22%	ton											1.7500	337.00	589.75	589.75
Calf grower/starter	ton											0.0600	452.00	27.12	27.12
Milk replacer	cwt											0.0100	120.00	1.20	1.20
TOTALS						16.02	10.40	73.75	384.16	7.214	69.25			2742.86	3296.47
INTEREST ON OPERATING CAPITAL															19.49
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3315.97

Table 6.B Estimated Resource Use and Costs for Field Operations, per Acre, Corn Silage, Alluvial Soils, Custom Cut Haul Pack, Louisiana, 2011.

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	14 ft	150	0.140	2.00	Feb	6.86	5.63	1.60	3.51	0.280	2.69					20.31
Fertilizer truck	acre			1.00	Feb							1.0000	4.50	4.50		4.50
Nitrogen	lbs											201.0000	0.51	102.51		102.51
Phosphate	lbs											76.0000	0.63	47.88		47.88
Potash	lbs											94.0000	0.48	45.12		45.12
Hipper	4R-38	150	0.147	1.00	Feb	3.61	2.96	0.17	0.48	0.147	1.41					8.65
Conditioner	13.3 ft	105	0.114	1.00	Mar	1.93	1.40	0.17	0.76	0.114	1.10					5.37
Plant + pre	4R-38	150	0.159	1.00	Mar	3.91	3.21	1.46	2.91	0.159	1.53					13.04
Corn seed	thou											29.0000	2.56	74.24		74.24
Atrazine 4L	pt											4.0000	2.52	10.08		10.08
Lasso 4EC	pt											4.0000	3.30	13.20		13.20
Counter 15G	lbs											5.0000	2.26	11.30		11.30
Cultivator	4R-38	150	0.162	1.00	Mar	3.97	3.26	0.40	1.33	0.162	1.55					10.53
Cultivator	4R-38	150	0.162	1.00	Apr	3.97	3.26	0.40	1.33	0.162	1.55					10.53
Direct Cut	ton			1.00	Jul							13.7000	6.00	82.20		82.20
Hauling Silage	mile											13.7000	0.20	2.74		2.74
Kernal Processing	ton											13.7000	1.50	20.55		20.55
Inoculants	ton											13.7000	1.00	13.70		13.70
Silage Packing	ton											13.7000	1.50	20.55		20.55
TOTALS						24.26	19.74	4.24	10.34	1.027	9.86				448.57	517.03
INTEREST ON OPERATING CAPITAL																7.52
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																524.56

Table 7.B Estimated Resource Use and Costs for Field Operations, per Ton, Hay Harvested from Pasture, Round Baler, One and One-Half Ton Yield per Cutting, Louisiana, 2011.

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-----				
Mower conditioner	9 ft	50	0.220	0.67	Jun	1.14	0.64	1.59	1.81	0.147	1.41					6.61
Hay rake	10 ft	50	0.200	0.67	Jun	1.04	0.58	0.28	0.40	0.134	1.28					3.60
Baler round	large	75	0.211	1.00	Jun	2.51	1.64	2.95	3.74	0.211	2.03					12.89
Twine	ton											1.0000	0.75	0.75		0.75
Hay fork	2	75	1.000	0.33	Jun	3.91	2.57	0.03	0.07	0.330	3.16					9.76
TOTALS						8.61	5.45	4.86	6.03	0.822	7.89				0.75	33.61
INTEREST ON OPERATING CAPITAL																0.39
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																34.01

Table 8.B Estimated Resource Use and Costs for Field Operations, per Acre, Coastal Bermudagrass Establishment, Non-Alluvial Soils, Louisiana, 2011.

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	14 ft	75	0.140	3.00	Mar	4.99	3.28	2.40	5.26	0.420	4.04				19.99
Fertilizer buggy (R)	30 ft	75	0.060	1.00	Mar	0.71	0.46		0.00	0.060	0.57				1.75
Nitrogen	lbs											69.0000	0.51	35.19	35.19
Phosphate	lbs											48.0000	0.63	30.24	30.24
Potash	lbs											48.0000	0.48	23.04	23.04
Lime (spread)	ton											0.3500	46.00	16.10	16.10
Spike harrow	18 ft	75	0.080	2.00	Mar	1.89	1.24	0.25	0.40	0.160	1.53				5.34
Sprigger	60 bu	75	0.400	1.00	Mar	4.74	3.12	2.61	4.24	0.400	3.84				18.57
Coastal sprig	bu											20.0000	3.00	60.00	60.00
Cultimulcher	12 ft	75	0.124	1.00	Mar	1.47	0.97	0.28	0.45	0.124	1.19				4.38
Boom sprayer	30 ft	75	0.062	1.00	Apr	0.74	0.48	0.14	0.18	0.062	0.60				2.16
2,4-D	pt											1.5000	2.08	3.12	3.12
Rotary Mower	13.3 ft	75	0.098	1.00	May	1.16	0.76	0.29	0.82	0.098	0.94				3.98
Boom sprayer	30 ft	75	0.062	1.00	May	0.74	0.48	0.14	0.18	0.062	0.60				2.16
Grazon P+D	pt											2.0000	3.87	7.74	7.74
TOTALS						16.48	10.83	6.15	11.56	1.388	13.33			175.43	233.80
INTEREST ON OPERATING CAPITAL															6.76
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															240.56

Table 9.B Estimated Resource Use and Costs for Field Operations, per Acre, Common Bermudagrass Establishment, Non-Alluvial Soils, Louisiana, 2011.

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	14 ft	75	0.140	3.00	Mar	4.99	3.28	2.40	5.26	0.420	4.04				19.99
Fertilizer buggy (R)	30 ft	75	0.060	1.00	Mar	0.71	0.46		0.00	0.060	0.57				1.75
Nitrogen	lbs											69.0000	0.51	35.19	35.19
Phosphate	lbs											48.0000	0.63	30.24	30.24
Potash	lbs											48.0000	0.48	23.04	23.04
Lime (spread)	ton											0.3500	46.00	16.10	16.10
Spike harrow	18 ft	75	0.080	2.00	Mar	1.89	1.24	0.25	0.40	0.160	1.53				5.34
Tractor spreader	20 ft	75	0.110	1.00	Mar	1.30	0.85	0.05	0.21	0.110	1.05				3.49
Common bermuda seed	lbs											5.0000	4.10	20.50	20.50
Cultimulcher	12 ft	75	0.124	1.00	Mar	1.47	0.97	0.28	0.45	0.124	1.19				4.38
Rotary Mower	13.3 ft	75	0.098	1.00	May	1.16	0.76	0.29	0.82	0.098	0.94				3.98
TOTALS						11.55	7.59	3.29	7.17	0.973	9.34			125.07	164.02
INTEREST ON OPERATING CAPITAL															4.83
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															168.85

Table 10.A Estimated Resource Use and Costs for Field Operations, per Acre, Annual Maintenance of Native Pastures, Louisiana, 2011.

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-----			
Rotary mower	6.7 ft	50	0.168	1.00	May	1.30	0.73	0.19	0.54	0.168	1.61				4.39
TOTALS						1.30	0.73	0.19	0.54	0.168	1.61			0.00	4.39
INTEREST ON OPERATING CAPITAL															0.07
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															4.47

Table 11.B Estimated Resource Use and Costs for Field Operations, per Acre, Annual Maintenance of Summer Improved Permanent Pastures, Dairy Herds, Louisiana, 2011.

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-----				
Fertilizer truck	acre			1.00	Apr							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											18.0000	0.51	9.18	9.18	
Phosphate	lbs											52.0000	0.63	32.76	32.76	
Potash	lbs											65.0000	0.48	31.20	31.20	
Fertilizer truck	acre			1.00	May							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											78.0000	0.51	39.78	39.78	
Lime (spread)	ton											0.1300	46.00	5.98	5.98	
Rotary mower	6.7 ft	75	0.168	1.00	Jun	1.99	1.31	0.19	0.54	0.168	1.61				5.65	
Fertilizer truck	acre			1.00	Jun							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											78.0000	0.51	39.78	39.78	
Rotary mower	6.7 ft	75	0.168	1.00	Jul	1.99	1.31	0.19	0.54	0.168	1.61				5.65	
Establishment cost	acre			1.00	Nov										24.06	
TOTALS						3.98	2.62	0.38	25.15	0.336	3.22				172.18	207.55
INTEREST ON OPERATING CAPITAL																4.62
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																212.17

Table 12.B Estimated Resource Use and Costs for Field Operations, per Acre, Temporary Summer Pastures, Prepared Seedbed, Dairy Herds, Louisiana, 2011.

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-----				
Lime (spread)	ton			1.00	May							0.1300	46.00	5.98	5.98	
Disk	14 ft	75	0.140	4.00	Jun	6.66	4.37	3.21	7.02	0.561	5.38				26.66	
Fertilizer truck	acre			1.00	Jun							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											113.0000	0.51	57.63	57.63	
Phosphate	lbs											37.0000	0.63	23.31	23.31	
Potash	lbs											55.0000	0.48	26.40	26.40	
Spike harrow	18 ft	75	0.080	1.00	Jun	0.94	0.62	0.12	0.20	0.080	0.76				2.67	
Grain drill	12 ft	75	0.157	1.00	Jun	1.86	1.22	1.03	2.04	0.157	1.50				7.67	
Millet seed	lbs											30.0000	0.94	28.20	28.20	
Cultimulcher	12 ft	0	0.124	1.00	Jun			0.28	0.45						0.74	
TOTALS						9.47	6.22	4.65	9.72	0.798	7.66				146.02	183.77
INTEREST ON OPERATING CAPITAL																3.65
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																187.42

Table 13.B Estimated Resource Use and Costs for Field Operations, per Acre, Temporary Winter Pastures, Prepared Seedbed, Dairy Herds, Louisiana, 2011.

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	14 ft	75	0.140	4.00	Sep	6.66	4.37	3.21	7.02	0.561	5.38				26.66	
Fertilizer truck	acre			1.00	Sep							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											35.0000	0.51	17.85	17.85	
Phosphate	lbs											67.0000	0.63	42.21	42.21	
Potash	lbs											78.0000	0.48	37.44	37.44	
Spike harrow	18 ft	75	0.080	1.00	Sep	0.94	0.62	0.12	0.20	0.080	0.76				2.67	
Grain drill	12 ft	75	0.157	1.00	Sep	1.86	1.22	1.03	2.04	0.157	1.50				7.67	
Ryegrass seed	lbs											30.0000	0.50	15.00	15.00	
Cultimulcher	12 ft	0	0.124	1.00	Sep			0.28	0.45						0.74	
Tractor spreader	20 ft	75	0.110	1.00	Oct	1.30	0.85	0.05	0.21	0.110	1.05				3.49	
S1 clover	lbs											3.0000	3.10	9.30	9.30	
Fertilizer truck	acre			1.00	Feb							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											66.0000	0.51	33.66	33.66	
Lime (spread)	ton			1.00	May							0.1300	46.00	5.98	5.98	
TOTALS						10.78	7.08	4.71	9.94	0.908	8.72				170.44	211.68
INTEREST ON OPERATING CAPITAL																5.41
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																217.10

Appendix Table 1. Powered Equipment: Estimated Performance Rate, Useful Life, Annual Use, Purchase Price, Repair Cost, Fuel Consumption Rate, and Direct and Fixed Cost per Hour and per Acre Louisiana, 2011.

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	FUEL	--DIRECT COST--		--FIXED COST--	
							CONS RATE	\$/hr	\$/ac	\$/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	9.68		6.75	
Tractor (15-30hp)	22		8	600	8,200	15	1.13	3.36		1.59	
Tractor (40-59hp)	50		8	600	22,500	15	2.57	7.78		4.37	
Tractor (60-89hp)	75		8	600	40,100	15	3.86	11.86		7.80	
Tractor (90-115hp)	105		8	600	62,800	15	5.40	16.82		12.21	
Tractor (106-130hp)	118		8	600	85,400	15	6.69	21.07		16.61	
Tractor (140-159hp)	150		8	600	103,300	15	7.72	24.46		20.09	
Tractor (200-249hp)	225		8	600	147,066	15	11.58	36.44		29.86	
Tractor (250-349hp)	300		8	600	196,500	15	15.44	48.60		39.90	
Tractor (160-170hp)	170		8	600	109,400	15	8.75	27.48		22.21	
Tractor (180-199hp)	190		8	600	109,958	15	9.77	30.33		22.33	
4-Wheeler	250cc	1.000	10	100	8,679	100	0.30	9.46	9.46	10.84	10.84
Truck	1 ton	1.000	10	400	35,000	50	3.00	12.20	12.20	10.92	10.92
Truck	2 ton	1.000	10	400	45,000	50	3.70	15.28	15.28	14.05	14.05
Truck	5 ton	1.000	12	100	115,000	100	5.00	108.88	108.88	126.41	126.41

Appendix Table 2. Implements: Estimated Performance Rate, Useful Life, Annual Use, Purchase Price, Repair Cost, and Direct and Fixed Cost per Hour and per Acre Louisiana, 2011.

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	--DIRECT COST--	--FIXED COST--		
		hrs/ac	years	hours	dollars	percent	\$/hr	\$/ac	\$/hr	\$/ac
Baler conventional	20 ft	0.229	8	200	16,963	80	8.48	1.94	12.08	2.76
Baler round	large	0.211	8	200	24,856	90	13.98	2.95	17.70	3.74
Boom sprayer	30 ft	0.062	8	200	5,070	75	2.37	0.14	2.95	0.18
Conditioner	13.3 ft	0.114	10	100	6,100	25	1.52	0.17	6.67	0.76
Conditioner	21 ft	0.071	10	100	9,600	25	2.40	0.17	10.49	0.74
Cultimulcher	12 ft	0.124	15	120	4,640	88	2.26	0.28	3.67	0.45
Disk	14 ft	0.140	10	180	20,600	50	5.72	0.80	12.51	1.75
Disk	24 ft	0.081	10	180	33,100	50	9.19	0.75	20.11	1.64
Disk	28 ft	0.070	10	180	39,200	50	10.88	0.76	23.81	1.67
Disk	6 ft	0.410	10	200	1,750	88	0.77	0.31	1.09	0.44
Disk + pre	14 ft	0.149	10	200	25,600	60	7.68	1.14	13.99	2.09
Disk + pre	24ft	0.087	10	200	38,000	60	11.40	0.99	20.77	1.81
Ditcher rotary	1.5 ft	0.020	10	200	4,390	80	1.75	0.03	2.40	0.04
Ditcher side	1.5 ft	0.009	10	200	4,390	80	1.75	0.01	2.40	0.02
Dozer blade	8 ft	0.880	20	100	1,150	66	0.37	0.33	0.92	0.81
Drag	14 ft	0.130	8	200	500	88	0.27	0.03	0.36	0.04
Fertilizer app (R)	20 ft	0.090	10	200	1	0	0.00	0.00	0.00	0.00
Fertilizer buggy (R)	30 ft	0.060	10	150	1	0	0.00	0.00	0.00	0.00
Field cult + pre	24 ft	0.066	10	100	24,679	25	6.16	0.40	26.99	1.78
Field cultivator	24 ft	0.062	10	100	28,600	25	7.15	0.44	31.27	1.94
Frontend loader	3/4cuyd	1.000	15	100	5,652	88	3.31	3.31	5.37	5.37
Grain drill	12 ft	0.157	8	150	17,500	45	6.56	1.03	13.01	2.04
Grain drill	20 ft	0.094	8	150	31,300	45	11.73	1.10	23.28	2.19
Harrow	13 ft	0.233	10	200	3,690	70	1.29	0.30	2.01	0.47
Hay fork	2	1.000	8	200	300	50	0.09	0.09	0.21	0.21
Hay rake	10 ft	0.200	8	200	4,240	80	2.12	0.42	3.01	0.60
Hay rake	15 ft	0.130	8	200	4,865	80	2.43	0.31	3.46	0.45
Hay tedder	10 ft	0.202	8	200	4,915	80	2.45	0.49	3.50	0.70
Honey wagon	3000 gal	1.000	10	200	6,380	88	2.80	2.80	3.98	3.98
Land level	13 ft	0.151	10	200	7,500	40	1.50	0.22	4.10	0.62
Manure spreader	110 bu	1.000	15	100	6,550	88	3.84	3.84	6.23	6.23
Moldboard 4 bottom	6 ft	0.330	15	200	5,100	108	1.83	0.60	2.42	0.80
Mower conditioner	9 ft	0.220	8	200	17,272	100	10.79	2.37	12.30	2.70
Mower drum	8 ft	0.257	8	200	7,491	100	4.68	1.20	5.33	1.37
Mower sickle	7 ft	0.340	10	150	3,750	175	4.37	1.48	3.12	1.06
Nurse tank	1000 gal	0.130	10	130	3,500	22	0.59	0.07	3.36	0.43
Ripper-hipper	13.3 ft	0.160	10	200	7,781	88	3.42	0.54	4.85	0.77
Rotary hoe	18 ft	0.080	20	75	4,500	110	3.30	0.26	4.84	0.38
Rotary Mower	13.3 ft	0.098	10	150	10,100	44	2.96	0.29	8.41	0.82
Rotary mower	6.7 ft	0.168	10	150	3,920	44	1.14	0.19	3.26	0.54
Self unload wagon	4 ton	0.200	8	200	10,000	100	6.25	1.25	7.12	1.42
Silage blower	large	0.060	8	200	5,500	100	3.43	0.20	3.91	0.23
Silage blower	small	0.080	8	200	4,200	100	2.62	0.21	2.99	0.23
Silage harvester	1 row	0.080	8	200	22,000	100	13.75	1.10	15.66	1.25
Silage harvester	2 row	0.060	8	200	33,394	100	20.87	1.25	23.78	1.42
Silage wagon	6 ton	0.080	15	200	11,838	60	2.36	0.18	5.50	0.44
Silage wagon	8 ton	0.060	15	200	12,223	60	2.44	0.14	5.67	0.34
Sodseeder	12 ft	0.163	8	150	34,991	45	13.12	2.14	26.02	4.26
Spike harrow	18 ft	0.080	10	200	4,590	70	1.60	0.12	2.50	0.20
Sprayer cattle	6 ft	1.000	15	70	700	71	0.47	0.47	0.95	0.95
Sprigger	60 bu	0.400	10	100	8,500	77	6.54	2.61	10.61	4.24
Springtooth harrow	20 ft	0.110	13	150	3,690	132	2.49	0.27	2.56	0.28
Stalk cutter	14 ft	0.117	10	200	11,804	175	10.32	1.21	6.45	0.76
Stalk cutter	20 ft	0.082	10	200	22,717	175	19.87	1.63	12.42	1.02
Subsoiler	3 shank	0.204	15	100	3,361	50	1.12	0.22	2.89	0.59
Tractor blade	6 ft	1.000	20	200	1,583	190	0.75	0.75	0.62	0.62
Tractor spreader	20 ft	0.110	8	50	700	30	0.52	0.05	1.99	0.21
Trailer gooseneck	6 ft	1.000	15	200	5,000	80	1.33	1.33	2.32	2.32
Trailer hay	20 ft	0.500	15	200	3,573	80	0.95	0.47	1.66	0.83
Trailer utility	10 ft	1.000	15	200	2,000	80	0.53	0.53	0.92	0.92

Appendix Table 3. 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, 2011.

ITEM NAME	UNIT	REPAIR	FUEL	DIRECT COST	FIXED COST
		COST	CONS		
		\$/U of M	/U of M	\$/U of M	\$/U of M
Barn	each	34.000	0.000	34.000	666.400
Belt feeder	ton	0.130	0.540	0.205	0.990
Corn silage	ton	0.000	0.000	0.000	2.200
Corral	each	72.780	0.000	72.780	225.600
Dairy bull	head	0.000	0.000	0.000	110.000
Dairy cow	head	0.000	0.000	0.000	104.500
Dairy facility	head	60.100	0.000	60.100	141.450
Dairy facility	head	60.100	0.000	60.100	141.450
Dairy heifer < 500	head	0.000	0.000	0.000	44.000
Dairy heifer > 500	head	0.000	0.000	0.000	110.000
Establishment coastal	acre	0.000	0.000	0.000	24.06
Establishment common	acre	0.000	0.000	0.000	16.86
Feed bunk	each	5.250	0.000	5.250	13.390
Feedmill	hour	0.750	0.640	0.839	3.710
Fence 5-wire	mile	210.000	0.000	210.000	465.580
Fence electric	mile	38.000	0.000	38.000	247.570
Hay from pasture	ton	0.000	0.000	0.000	11.480
Hay production	ton	0.000	0.000	0.000	16.840
Hay rack	each	9.040	0.000	9.040	25.710
Imp. grass pasture	acre	0.000	0.000	0.000	27.770
Interest on op. cap.	dol	0.000	0.000	0.000	1.000
Lagoon system	each	286.670	0.000	286.670	2024.580
Loafing shed	each	20.000	0.000	20.000	392.000
Milk parlor & equip	each	7333.330	0.000	7333.330	10853.330
Native pasture	acre	0.000	0.000	0.000	1.280
Ryegrass prepared	acre	0.000	0.000	0.000	7.710
Ryegrass sodseeded	acre	0.000	0.000	0.000	0.520
Semi-imp. grass past	acre	0.000	0.000	0.000	26.280
Shop bld. & equip.	acre	8.190	0.000	8.190	6.990
Silo	ton	0.330	0.000	0.330	1.640
Squeeze chute	each	28.580	0.000	28.580	147.640
Summer pasture	acre	0.000	0.000	0.000	15.950
Wash area & equip	each	666.670	0.000	666.670	986.690
Water tank & pump	each	40.000	0.000	40.000	127.500
Winter pasture	acre	0.000	0.000	0.000	17.030

Appendix Table 4. Operating Inputs: Estimated Prices Louisiana, 2011.

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
CUSTOM					
Breeding fees	dol	17.50	Fertilizer truck	acre	4.50
Direct Cut	ton	6.00	Hauling	dol	1.00
Hauling cattle	head	7.00	Hauling milk	cwt	0.90
Hauling Silage	mile	0.20	Inoculants	ton	1.00
Kernal Processing	ton	1.50	Silage Packing	ton	1.50
FEED					
Calf grower/starter	ton	452.00	Corn grain	cwt	14.95
Cottonseed meal	cwt	14.90	Dairy feed 16%	ton	329.00
Dairy feed 16% (D&H)	ton	325.00	Dairy feed 22%	ton	337.00
Milk replacer	cwt	120.00	Range meal	cwt	15.90
Soybean meal	cwt	22.00	Stock salt	lbs	0.07
FERTILIZER					
Lime (spread)	ton	46.00	Nitrogen	lbs	0.51
Phosphate	lbs	0.63	Potash	lbs	0.48
Urea (45%)	lbs	0.19			
HERBICIDE					
2,4-D	pt	2.08	2,4-DB	pt	2.70
Atrazine 4L	pt	2.52	Grazon P+D	pt	3.87
Herbicidal oil	pt	1.35	Ordram 15G	lbs	1.34
Pramitol 5PS	lbs	2.32	Roundup Orig Max	pt	9.22
Surfactant	pt	3.68	Weedmaster	pt	3.94
HIRED LABOR					
Livestock labor	hour	9.60	Other labor	hour	9.60
INSECTICIDE					
Counter 15G	lbs	2.26	Furadan 4F	pt	9.95
Karate Z	oz	3.28	Sevin 80% WP	lbs	6.81
Stocker cattle	cwt	115.00	Weanling calves	cwt	120.00
OTHER					
Accounting services	dol	1.00	Avg Quality Incentiv	Cwt	0.10
Basic service charge	head	15.79	Buy commission	dol	0.02
Capital retain	dol	0.10	Cull marketing comm.	dol	0.05
CWT Deduction	dol	0.00	Farmstead & drainage	dol	1.00
Growth stimulant	head	1.15	Innoculant	bu	0.75
Insurance	dol	1.00	Marketing comm.	dol	0.05
Marketing milk	dol	0.15	Medication	dol	1.00
Misc. overhead	dol	1.00	Mkt. checkoff	head	1.50
Mkt. checkoff	cwt	0.35	Procurement comm.	dol	0.01
Promotion & Mkt	dol	0.15	Property tax	dol	1.00
Sell commission	dol	0.05	Supplies & misc.	dol	1.00
Twine	ton	0.75	Utilities	dol	1.00
PASTURE CROPS					
Corn silage	ton	36.09	Hay from pasture	ton	22.52
Hay production	ton	47.76	Imp. grass pasture	acre	184.40
Native pasture	acre	3.19	Ryegrass prepared	acre	122.47
Ryegrass sodseeded	acre	108.85	Semi-Imp. grass pas	acre	94.22
Summer pasture	acre	171.46	Winter pasture	acre	200.07
Woods pasture	acre	0.00			
SEED					
Alfalfa seed	lbs	4.50	Coastal sprig	bu	3.00
Common bermuda seed	lbs	4.10	Corn seed	thou	2.56
Crimson clover	lbs	1.50	Grain sorghum seed	lbs	1.75
Millet seed	lbs	0.94	Milo seed	lbs	1.18
Oat seed	lbs	0.47	Red clover	lbs	1.20
Rye seed	lbs	0.44	Ryegrass seed	lbs	0.50
S1 clover	lbs	3.10	Sudan sorghum seed	lbs	0.80
Vetch seed	lbs	2.55	Wheat seed	lbs	0.27
Winter peas seed	lbs	1.00			