
**2014
Projected
Commodity
Costs
And
Returns**

Dairy and Associated Forage Crop Production in Louisiana

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



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Louisiana State University Agricultural Center
Louisiana Agricultural Experiment Station/Louisiana Cooperative Extension Service

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INTRODUCTION

This report presents projected costs and returns for dairy and associated forage crop production in Louisiana for 2014. 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. Table 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
- (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 2014 (Tables 1, 4, and 5).

Breakeven selling prices presented in this report (Table 3) represent 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 Dairy Production, Louisiana, 2014.

Enterprise Description	Total Income	Returns		Total Fixed Costs	Total Specified Costs a/	Returns Above Specified Costs
		Total Direct Costs	Above Direct Costs			
----- Dollars -----						
Dairy, Average Production, Pasture-Hay a/	3041.25	2723.03	318.22	324.86	3047.89	-6.64
Dairy, Above Avg. Production, Pasture-Hay-Silage b/	3549.50	2933.26	616.24	333.37	3266.63	282.87

a/ Based on 13,500 lbs of milk per cow with raised replacements. Milk valued at \$20.47 per cwt; cull cows, cull heifer and bull calves at \$75, \$120 and \$50 per cwt, respectively.
 b/ Based on 16,000 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, 2014. a/

Enterprise Description	Yield Per Acre	Total Direct Costs	Fixed Costs	Total Specified Costs	Total Specified Costs
		Per Acre	Per Acre	Per Acre	Per Ton
----- Dollars -----					
HARVESTED FORAGES:					
Corn Silage - 4 Row, Alluvial Soils	13.7 tons	473.86	33.81	507.67	37.06
Hay Harvest, Large Round Bale	1.5 tons	40.13	21.00	61.13	40.75
ESTABLISHMENT (PERMANENT PASTURES):					
Coastal Bermudagrass	-	210.48	22.71	233.19	
Common Bermudagrass	-	156.51	16.11	172.62	
SUMMER PASTURES:					
Native Pasture, All Areas	-	3.42	1.15	4.57	
Improved Pasture, for Dairy	-	132.07	27.09	159.16	
Summer Temporary Pasture for Dairy	-	163.37	16.59	179.96	
PREPARED SEEDBED:					
Ryegrass, Clover for Dairy	-	210.69	18.36	229.05	

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

Table 3. Breakeven Selling Prices for Milk, Selected Production Levels, Louisiana, 2014.

Enterprise Description	Production Levels				
	-20%	-10%	Base a/	10%	20%
----- Dollars per Cwt. -----					
PRICES REQUIRED TO RECOVER DIRECT COSTS:					
Dairy, Pasture-Hay, Average Production	21.62	19.21	17.29	15.72	14.41
Dairy, Pasture-Hay-Silage, Above Average Production	19.75	17.55	15.80	14.36	13.17
PRICES REQUIRED TO RECOVER TOTAL SPECIFIED COSTS: b/					
Dairy, Pasture- Hay, Average Production	24.62	21.89	19.70	17.91	16.42
Dairy, Pasture- Hay- Silage, Above Average Production	22.35	19.87	17.88	16.26	14.90

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.A Estimated Costs and Returns per Cow,
Dairy Herds, Average Production, Pasture-Hay
Feeding System, Louisiana, 2014.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milk	cwt	19.65	135.0000	2652.75	_____
Cull Dairy Cow	cwt	75.00	3.2400	243.00	_____
Dairy Cull Heifer	cwt	120.00	0.2600	31.20	_____
Bull calves	cwt	50.00	0.4500	22.50	_____
Avg. Non-rBST Prm.	cwt	0.48	135.0000	64.80	_____
Avg Quality Incentiv	cwt	0.20	135.0000	27.00	_____
TOTAL INCOME				3041.25	_____
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	341.00	0.6000	204.60	_____
Dairy feed 16%	ton	319.00	1.7000	542.30	_____
Dairy feed 22%	ton	365.00	1.7500	638.75	_____
Calf grower/starter	ton	464.00	0.0600	27.84	_____
Milk replacer	cwt	160.00	0.0100	1.60	_____
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	296.7000	16.31	_____
Medication	dol	1.00	90.0000	90.00	_____
PASTURE CROPS					
Hay from pasture	ton	26.75	1.6200	43.33	_____
Winter pasture	acre	210.69	0.8200	172.76	_____
Summer pasture	acre	163.37	0.1700	27.77	_____
Imp. grass pasture	acre	132.07	1.0000	132.07	_____
Native pasture	acre	3.42	0.2300	0.78	_____
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	3.30	7.1803	23.69	_____
Self-Propelled Eq.	gal	3.30	2.2500	7.42	_____
REPAIR & MAINTENANCE					
Implements	cow	1.05	1.0000	1.05	_____
Tractors	cow	2.52	1.0000	2.52	_____
Self-Propelled Eq.	cow	2.53	1.0000	2.53	_____
Dairy facility	head	60.10	1.0000	60.10	_____
INTEREST ON OP. CAP.	cow	12.45	1.0000	12.45	_____
TOTAL DIRECT EXPENSES				2723.03	_____
RETURNS ABOVE DIRECT EXPENSES				318.21	_____
FIXED EXPENSES					
Implements	cow	1.71	1.0000	1.71	_____
Tractors	cow	14.66	1.0000	14.66	_____
Self-Propelled Eq.	cow	5.89	1.0000	5.89	_____
Dairy bull	head	54.00	0.0100	0.54	_____
Dairy cow	head	69.75	1.0000	69.75	_____
Dairy heifer < 500	head	31.50	0.4500	14.17	_____
Dairy heifer > 500	head	54.00	0.3000	16.20	_____
Imp. grass pasture	acre	27.09	1.0000	27.09	_____
Native pasture	acre	1.15	0.2300	0.26	_____
Summer pasture	acre	16.59	0.1700	2.82	_____
Winter pasture	acre	18.36	0.8200	15.05	_____
Hay from pasture	ton	14.00	1.6200	22.68	_____
Dairy facility	head	134.02	1.0000	134.02	_____
TOTAL FIXED EXPENSES				324.86	_____
TOTAL SPECIFIED EXPENSES				3047.89	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-6.64	_____
ALLOCATED COST ITEMS					
Overhead (Owner)	cwt	82.35	1.0000	82.35	_____
RESIDUAL RETURNS				-88.99	_____
Land (oppor. cost)	acre	42.00	1.0000	42.00	_____
RESIDUAL RETURNS				-130.99	_____

Table 5.A Estimated Costs and Returns per Cow,
Dairy Herds, Above Average Production,
Pasture-Hay-Silage Feeding System, Louisiana, 2014.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Milk	cwt	19.65	160.0000	3144.00	_____
Cull Dairy Cow	cwt	75.00	3.2400	243.00	_____
Dairy Cull Heifer	cwt	120.00	0.2600	31.20	_____
Bull calves	cwt	50.00	0.4500	22.50	_____
Avg Quality Incentiv	cwt	0.20	160.0000	32.00	_____
Avg. Non-rBST Prm.	cwt	0.48	160.0000	76.80	_____

TOTAL INCOME				3549.50	_____
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	341.00	0.6000	204.60	_____
Dairy feed 16%	ton	319.00	1.7000	542.30	_____
Dairy feed 22%	ton	365.00	1.7500	638.75	_____
Calf grower/starter	ton	464.00	0.0600	27.84	_____
Milk replacer	cwt	160.00	0.0100	1.60	_____
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	296.7000	16.31	_____
Medication	dol	1.00	90.0000	90.00	_____
PASTURE CROPS					
Corn silage	ton	34.59	7.2500	250.77	_____
Hay from pasture	ton	26.75	1.0000	26.75	_____
Winter pasture	acre	210.69	0.6300	132.73	_____
Summer pasture	acre	163.37	0.1900	31.04	_____
Imp. grass pasture	acre	132.07	0.7100	93.76	_____
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	3.30	5.2192	17.22	_____
Self-Propelled Eq.	gal	3.30	2.2500	7.42	_____
REPAIR & MAINTENANCE					
Implements	cow	2.02	1.0000	2.02	_____
Tractors	cow	1.78	1.0000	1.78	_____
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	16.68	1.0000	16.68	_____

TOTAL DIRECT EXPENSES				2933.26	_____
RETURNS ABOVE DIRECT EXPENSES				616.23	_____
FIXED EXPENSES					
Implements	cow	2.69	1.0000	2.69	_____
Tractors	cow	10.36	1.0000	10.36	_____
Self-Propelled Eq.	cow	5.89	1.0000	5.89	_____
Silo	ton	1.56	8.9000	13.88	_____
Dairy bull	head	54.00	0.0100	0.54	_____
Dairy cow	head	69.75	1.0000	69.75	_____
Dairy heifer < 500	head	31.50	0.4500	14.17	_____
Dairy heifer > 500	head	54.00	0.3000	16.20	_____
Imp. grass pasture	acre	27.09	0.7100	19.23	_____
Summer pasture	acre	16.59	0.1900	3.15	_____
Winter pasture	acre	18.36	0.6300	11.56	_____
Hay from pasture	ton	14.00	1.0000	14.00	_____
Dairy facility	head	134.02	1.0000	134.02	_____
Corn silage	ton	2.47	7.2500	17.90	_____

TOTAL FIXED EXPENSES				333.37	_____

TOTAL SPECIFIED EXPENSES				3266.63	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				282.86	_____
ALLOCATED COST ITEMS					
Overhead (Owner)	cwt	97.60	1.0000	97.60	_____
RESIDUAL RETURNS					
Land (oppor. cost)	acre	27.00	1.0000	27.00	_____
RESIDUAL RETURNS				158.26	_____

Table 6.A Estimated Costs per Acre, Corn Silage,
Alluvial Soils, Custom Cut Haul Pack, Louisiana, 2014.

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	0.50	201.0000	100.50	_____
Phosphate	lbs	0.50	76.0000	38.00	_____
Potash	lbs	0.37	94.0000	34.78	_____
HERBICIDE					
Atrazine 4L	pt	1.75	4.0000	7.00	_____
Lasso 4EC	pt	3.30	4.0000	13.20	_____
INSECTICIDE					
Counter 15G	lbs	2.55	5.0000	12.75	_____
SEED					
Corn seed	thou	2.53	29.0000	73.37	_____
OPERATOR LABOR					
Tractors	hour	9.60	1.0278	9.86	_____
DIESEL FUEL					
Tractors	gal	3.30	7.6696	25.30	_____
REPAIR & MAINTENANCE					
Implements	acre	4.76	1.0000	4.76	_____
Tractors	acre	3.93	1.0000	3.93	_____
INTEREST ON OP. CAP.	acre	6.15	1.0000	6.15	_____
TOTAL DIRECT EXPENSES				473.86	_____
FIXED EXPENSES					
Implements	acre	10.96	1.0000	10.96	_____
Tractors	acre	22.84	1.0000	22.84	_____
TOTAL FIXED EXPENSES				33.81	_____
TOTAL SPECIFIED EXPENSES				507.68	_____

Table 7.A Estimated Costs per Ton, Hay Harvested from Pasture,
Round Baler, One and One-Half Ton Yield per Cutting,
Louisiana, 2014.

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	0.8304	7.97	_____
DIESEL FUEL					
Tractors	gal	3.30	2.8339	9.35	_____
REPAIR & MAINTENANCE					
Implements	ton	7.36	1.0000	7.36	_____
Tractors	ton	0.90	1.0000	0.90	_____
INTEREST ON OP. CAP.	ton	0.41	1.0000	0.41	_____
TOTAL DIRECT EXPENSES				26.75	_____
FIXED EXPENSES					
Implements	ton	8.72	1.0000	8.72	_____
Tractors	ton	5.28	1.0000	5.28	_____
TOTAL FIXED EXPENSES				14.00	_____
TOTAL SPECIFIED EXPENSES				40.75	_____

Table 8.A Estimated Costs per Acre, Coastal Bermudagrass
Establishment, Non-Alluvial Soils, Louisiana, 2014.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	lbs	0.50	69.0000	34.50	_____
Phosphate	lbs	0.50	48.0000	24.00	_____
Potash	lbs	0.37	48.0000	17.76	_____
Lime (spread)	ton	48.00	0.3500	16.80	_____
HERBICIDE					
2,4-D	pt	2.25	1.5000	3.37	_____
Grazon P+D	pt	4.43	2.0000	8.86	_____
SEED					
Coastal sprig	bu	3.00	20.0000	60.00	_____
OPERATOR LABOR					
Tractors	hour	9.60	1.3887	13.33	_____
DIESEL FUEL					
Tractors	gal	3.30	5.3610	17.69	_____
REPAIR & MAINTENANCE					
Implements	acre	6.61	1.0000	6.61	_____
Tractors	acre	1.88	1.0000	1.88	_____
INTEREST ON OP. CAP.	acre	5.66	1.0000	5.66	_____
TOTAL DIRECT EXPENSES				210.48	_____
FIXED EXPENSES					
Implements	acre	11.76	1.0000	11.76	_____
Tractors	acre	10.94	1.0000	10.94	_____
TOTAL FIXED EXPENSES				22.71	_____
TOTAL SPECIFIED EXPENSES				233.19	_____

Table 9.A Estimated Costs per Acre, Common Bermudagrass
Establishment, Non-Alluvial Soils, Louisiana, 2014.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	lbs	0.50	69.0000	34.50	_____
Phosphate	lbs	0.50	48.0000	24.00	_____
Potash	lbs	0.37	48.0000	17.76	_____
Lime (spread)	ton	48.00	0.3500	16.80	_____
SEED					
Common bermuda seed	lbs	6.00	5.0000	30.00	_____
OPERATOR LABOR					
Tractors	hour	9.60	1.0633	10.20	_____
DIESEL FUEL					
Tractors	gal	3.30	4.1049	13.54	_____
REPAIR & MAINTENANCE					
Implements	acre	3.99	1.0000	3.99	_____
Tractors	acre	1.44	1.0000	1.44	_____
INTEREST ON OP. CAP.	acre	4.26	1.0000	4.26	_____
TOTAL DIRECT EXPENSES				156.51	_____
FIXED EXPENSES					
Implements	acre	7.73	1.0000	7.73	_____
Tractors	acre	8.38	1.0000	8.38	_____
TOTAL FIXED EXPENSES				16.11	_____
TOTAL SPECIFIED EXPENSES				172.63	_____

Table 10.A Estimated Costs per Acre, Annual Maintenance of Native Pastures, Louisiana, 2014.

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	3.30	0.4323	1.42	_____
REPAIR & MAINTENANCE					
Implements	acre	0.20	1.0000	0.20	_____
Tractors	acre	0.10	1.0000	0.10	_____
INTEREST ON OP. CAP.	acre	0.07	1.0000	0.07	_____

TOTAL DIRECT EXPENSES				3.42	_____
FIXED EXPENSES					
Implements	acre	0.56	1.0000	0.56	_____
Tractors	acre	0.58	1.0000	0.58	_____

TOTAL FIXED EXPENSES				1.15	_____

TOTAL SPECIFIED EXPENSES				4.57	_____

Table 11.A Estimated Costs per Acre, Annual Maintenance of Summer Improved Permanent Pastures, Dairy Herds, Louisiana, 2014.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Fertilizer truck	acre	4.50	3.0000	13.50	_____
FERTILIZER					
Nitrogen	lbs	0.50	102.0000	51.00	_____
Phosphate	lbs	0.50	52.0000	26.00	_____
Potash	lbs	0.37	65.0000	24.05	_____
Lime (spread)	ton	48.00	0.1300	6.24	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.3360	3.22	_____
DIESEL FUEL					
Tractors	gal	3.30	1.2970	4.28	_____
REPAIR & MAINTENANCE					
Implements	acre	0.41	1.0000	0.41	_____
Tractors	acre	0.45	1.0000	0.45	_____
INTEREST ON OP. CAP.	acre	2.90	1.0000	2.90	_____

TOTAL DIRECT EXPENSES				132.07	_____
FIXED EXPENSES					
Implements	acre	1.12	1.0000	1.12	_____
Tractors	acre	2.64	1.0000	2.64	_____
Establishment cost	acre	23.32	1.0000	23.32	_____

TOTAL FIXED EXPENSES				27.09	_____

TOTAL SPECIFIED EXPENSES				159.16	_____

Table 12.A Estimated Costs per Acre, Temporary Summer Pastures,
Prepared Seedbed, Dairy Herds, Louisiana, 2014.

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	48.00	0.1300	6.24	_____
Nitrogen	lbs	0.50	113.0000	56.50	_____
Phosphate	lbs	0.50	37.0000	18.50	_____
Potash	lbs	0.37	55.0000	20.35	_____
SEED					
Millet seed	lbs	1.00	30.0000	30.00	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.7983	7.66	_____
DIESEL FUEL					
Tractors	gal	3.30	3.0820	10.17	_____
REPAIR & MAINTENANCE					
Implements	acre	5.34	1.0000	5.34	_____
Tractors	acre	1.08	1.0000	1.08	_____
INTEREST ON OP. CAP.	acre	3.02	1.0000	3.02	_____
TOTAL DIRECT EXPENSES				163.37	_____
FIXED EXPENSES					
Implements	acre	10.30	1.0000	10.30	_____
Tractors	acre	6.29	1.0000	6.29	_____
TOTAL FIXED EXPENSES				16.59	_____
TOTAL SPECIFIED EXPENSES				179.97	_____

Table 13.A Estimated Costs per Acre, Temporary Winter Pastures,
Prepared Seedbed, Dairy Herds, Louisiana, 2014.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
Fertilizer truck	acre	4.50	3.0000	13.50	_____
FERTILIZER					
Nitrogen	lbs	0.50	155.0000	77.50	_____
Phosphate	lbs	0.50	67.0000	33.50	_____
Potash	lbs	0.37	78.0000	28.86	_____
Lime (spread)	ton	48.00	0.1300	6.24	_____
SEED					
Ryegrass seed	lbs	0.28	30.0000	8.40	_____
S1 clover	lbs	3.00	3.0000	9.00	_____
OPERATOR LABOR					
Tractors	hour	9.60	0.9983	9.58	_____
DIESEL FUEL					
Tractors	gal	3.30	3.8541	12.71	_____
REPAIR & MAINTENANCE					
Implements	acre	5.51	1.0000	5.51	_____
Tractors	acre	1.35	1.0000	1.35	_____
INTEREST ON OP. CAP.	acre	4.52	1.0000	4.52	_____
TOTAL DIRECT EXPENSES				210.69	_____
FIXED EXPENSES					
Implements	acre	10.49	1.0000	10.49	_____
Tractors	acre	7.86	1.0000	7.86	_____
TOTAL FIXED EXPENSES				18.36	_____
TOTAL SPECIFIED EXPENSES				229.06	_____

Table 4.B Estimated Resource Use and Costs for Field Operations, per Cow, Dairy Herds, Average Production, Pasture-Hay Feeding System, Louisiana, 2014.

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	134.02	1.880	18.04	1.0000			212.16
Dairy bull	head			1.00	Jan				0.54			0.0100			0.54
Dairy cow	head			1.00	Jan				69.75			1.0000			69.75
Dairy heifer > 500	head			1.00	Jan				16.20			0.3000			16.20
Dairy heifer < 500	head			1.00	Jan				14.17			0.4500			14.17
Hay from pasture	ton			1.00	Nov				22.68			1.6200			22.68
Hay from pasture	ton											1.6200	26.75	43.33	43.33
Winter pasture	acre			1.00	Nov				15.05			0.8200			15.05
Winter pasture	acre											0.8200	210.69	172.76	172.76
Summer pasture	acre			1.00	Nov				2.82			0.1700			2.82
Summer pasture	acre											0.1700	163.37	27.77	27.77
Imp. grass pasture	acre			1.00	Nov				27.09			1.0000			27.09
Imp. grass pasture	acre											1.0000	132.07	132.07	132.07
Native pasture	acre			1.00	Nov				0.26			0.2300			0.26
Native pasture	acre											0.2300	3.42	0.78	0.78
Hay fork	2	75	1.000	1.62	Nov	22.83	12.76	0.19	0.41	1.620	15.55				51.76
Frontend loader	3/4cuyd	75	1.000	0.12	Dec	1.69	0.94	0.39	0.59	0.120	1.15				4.78
Manure spreader	110 bu	75	1.000	0.12	Dec	1.69	0.94	0.46	0.69	0.120	1.15				4.94
Promotion & Mkt	dol			1.00	Dec							135.0000	0.15	20.25	20.25
CWT Deduction	dol											135.0000			
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											296.7000	0.05	16.31	16.31
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			9.95	5.89	0.900	8.64				24.48
Dairy feed 16% (D&H)	ton			1.00	Dec							0.6000	341.00	204.60	204.60
Dairy feed 16%	ton											1.7000	319.00	542.30	542.30
Dairy feed 22%	ton											1.7500	365.00	638.75	638.75
Calf grower/starter	ton											0.0600	464.00	27.84	27.84
Milk replacer	cwt											0.0100	160.00	1.60	1.60
TOTALS						26.21	14.66	71.10	310.20	4.640	44.54			2568.70	3035.43
INTEREST ON OPERATING CAPITAL															12.45
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3047.89

Table 5.B Estimated Resource Use and Costs for Field Operations, per Cow, Dairy Herds, Above Average Production, Pasture-Hay-Silage Feeding System, Louisiana, 2014.

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	134.02	1.880	18.04	1.0000			212.16
Dairy bull	head			1.00	Jan				0.54			0.0100			0.54
Dairy cow	head			1.00	Jan				69.75			1.0000			69.75
Dairy heifer > 500	head			1.00	Jan				16.20			0.3000			16.20
Dairy heifer < 500	head			1.00	Jan				14.17			0.4500			14.17
Corn silage	ton			1.00	Jul				17.90			7.2500			17.90
Corn silage	ton											7.2500	34.59	250.77	250.77
Hay from pasture	ton			1.00	Nov				14.00			1.0000			14.00
Hay from pasture	ton											1.0000	26.75	26.75	26.75
Winter pasture	acre			1.00	Nov				11.56			0.6300			11.56
Winter pasture	acre											0.6300	210.69	132.73	132.73
Summer pasture	acre			1.00	Nov				3.15			0.1900			3.15
Summer pasture	acre											0.1900	163.37	31.04	31.04
Imp. grass pasture	acre			1.00	Nov				19.23			0.7100			19.23
Imp. grass pasture	acre											0.7100	132.07	93.76	93.76
Hay fork	2	75	1.000	1.00	Nov	14.09	7.88	0.11	0.25	1.000	9.60				31.95
Frontend loader	3/4cuyd	75	1.000	0.12	Dec	1.69	0.94	0.39	0.59	0.120	1.15				4.78
Manure spreader	110 bu	75	1.000	0.12	Dec	1.69	0.94	0.46	0.69	0.120	1.15				4.94
Promotion & Mkt	dol			1.00	Dec							160.0000	0.15	24.00	24.00
CWT Deduction	dol											160.0000			
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											296.7000	0.05	16.31	16.31
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			9.95	5.89	0.900	8.64				24.48
Self unload wagon	4 ton	50	0.200	0.84	Dec	1.52	0.58	1.05	1.13	0.168	1.61				5.91
Silo	ton			1.00	Dec			2.93	13.88	3.026	29.04				45.87
Dairy feed 16% (D&H)	ton			1.00	Dec							0.6000	341.00	204.60	204.60
Dairy feed 16%	ton											1.7000	319.00	542.30	542.30
Dairy feed 22%	ton											1.7500	365.00	638.75	638.75
Calf grower/starter	ton											0.0600	464.00	27.84	27.84
Milk replacer	cwt											0.0100	160.00	1.60	1.60
TOTALS						19.00	10.36	75.02	323.01	7.214	69.25			2753.29	3249.95
INTEREST ON OPERATING CAPITAL															16.68
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															3266.63

Table 6.B Estimated Resource Use and Costs for Field Operations, per Acre, Corn Silage, Alluvial Soils, Custom Cut Haul Pack, Louisiana, 2014.

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	8.28	6.62	1.72	3.51	0.280	2.69						22.84
Fertilizer truck	acre			1.00	Feb							1.0000	4.50	4.50			4.50
Nitrogen	lbs											201.0000	0.50	100.50			100.50
Phosphate	lbs											76.0000	0.50	38.00			38.00
Potash	lbs											94.0000	0.37	34.78			34.78
Hipper	4R-38	150	0.147	1.00	Feb	4.36	3.48	0.28	0.73	0.147	1.41						10.28
Conditioner	13.3 ft	105	0.114	1.00	Mar	2.27	1.29	0.20	0.83	0.114	1.10						5.70
Plant + pre	4R-38	150	0.159	1.00	Mar	4.72	3.77	1.60	2.96	0.159	1.53						14.60
Corn seed	thou											29.0000	2.53	73.37			73.37
Atrazine 4L	pt											4.0000	1.75	7.00			7.00
Lasso 4EC	pt											4.0000	3.30	13.20			13.20
Counter 15G	lbs											5.0000	2.55	12.75			12.75
Cultivator	4R-38	150	0.162	1.00	Mar	4.79	3.83	0.47	1.46	0.162	1.55						12.12
Cultivator	4R-38	150	0.162	1.00	Apr	4.79	3.83	0.47	1.46	0.162	1.55						12.12
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						29.24	22.84	4.76	10.96	1.027	9.86					423.84	501.52
INTEREST ON OPERATING CAPITAL																	6.15
UNALLOCATED LABOR																	0.00
TOTAL SPECIFIED COST																	507.68

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, 2014.

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	0.229	0.67	Jun	1.39	0.53	2.25	2.44	0.153	1.47						8.11
Hay rake	8.5 ft	50	0.202	0.67	Jun	1.23	0.47	0.55	0.75	0.135	1.30						4.32
Baler round	large	75	0.211	1.00	Jun	2.98	1.66	4.50	5.43	0.211	2.03						16.61
Twine	ton											1.0000	0.75	0.75			0.75
Hay fork	2	75	1.000	0.33	Jun	4.65	2.60	0.03	0.08	0.330	3.16						10.54
TOTALS						10.26	5.28	7.36	8.72	0.830	7.97					0.75	40.34
INTEREST ON OPERATING CAPITAL																	0.41
UNALLOCATED LABOR																	0.00
TOTAL SPECIFIED COST																	40.75

Table 8.B Estimated Resource Use and Costs for Field Operations, per Acre, Coastal Bermudagrass Establishment, Non-Alluvial Soils, Louisiana, 2014.

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	
Disk	14 ft	75	0.140	3.00	Mar	5.93	3.31	2.58	5.26	0.420	4.04				21.14
Fertilizer buggy (R)	30 ft	75	0.060	1.00	Mar	0.84	0.47		0.00	0.060	0.57				1.89
Nitrogen	lbs											69.0000	0.50	34.50	34.50
Phosphate	lbs											48.0000	0.50	24.00	24.00
Potash	lbs											48.0000	0.37	17.76	17.76
Lime (spread)	ton											0.3500	48.00	16.80	16.80
Spike harrow	18 ft	75	0.080	2.00	Mar	2.25	1.26	0.53	0.77	0.160	1.53				6.35
Sprigger	60 bu	75	0.400	1.00	Mar	5.63	3.15	2.61	4.02	0.400	3.84				19.26
Coastal sprig	bu											20.0000	3.00	60.00	60.00
Cultmulcher	12 ft	75	0.124	1.00	Mar	1.75	0.98	0.33	0.50	0.124	1.19				4.76
Boom sprayer	30 ft	75	0.062	1.00	Apr	0.88	0.49	0.08	0.10	0.062	0.60				2.16
2,4-D	pt											1.5000	2.25	3.37	3.37
Rotary Mower	13.3 ft	75	0.098	1.00	May	1.38	0.77	0.37	0.99	0.098	0.94				4.46
Boom sprayer	30 ft	75	0.062	1.00	May	0.88	0.49	0.08	0.10	0.062	0.60				2.16
Grazon P+D	pt											2.0000	4.43	8.86	8.86
TOTALS						19.57	10.94	6.61	11.76	1.388	13.33			165.29	227.53
INTEREST ON OPERATING CAPITAL															5.66
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															233.19

Table 9.B Estimated Resource Use and Costs for Field Operations, per Acre, Common Bermudagrass Establishment, Non-Alluvial Soils, Louisiana, 2014.

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	
Disk	14 ft	75	0.140	3.00	Mar	5.93	3.31	2.58	5.26	0.420	4.04				21.14
Fertilizer buggy (R)	30 ft	75	0.060	1.00	Mar	0.84	0.47		0.00	0.060	0.57				1.89
Nitrogen	lbs											69.0000	0.50	34.50	34.50
Phosphate	lbs											48.0000	0.50	24.00	24.00
Potash	lbs											48.0000	0.37	17.76	17.76
Lime (spread)	ton											0.3500	48.00	16.80	16.80
Spike harrow	18 ft	75	0.080	2.00	Mar	2.25	1.26	0.53	0.77	0.160	1.53				6.35
Tractor spreader	20 ft	75	0.200	1.00	Mar	2.81	1.57	0.17	0.18	0.200	1.92				6.68
Common bermuda seed	lbs											5.0000	6.00	30.00	30.00
Cultmulcher	12 ft	75	0.124	1.00	Mar	1.75	0.98	0.33	0.50	0.124	1.19				4.76
Rotary Mower	13.3 ft	75	0.098	1.00	May	1.38	0.77	0.37	0.99	0.098	0.94				4.46
TOTALS						14.98	8.38	3.99	7.73	1.063	10.20			123.06	168.36
INTEREST ON OPERATING CAPITAL															4.26
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															172.63

Table 10.A Estimated Resource Use and Costs for Field Operations, per Acre, Annual Maintenance of Native Pastures, Louisiana, 2014.

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	
Rotary mower	6.7 ft	50	0.168	1.00	May	1.52	0.58	0.20	0.56	0.168	1.61				4.50
TOTALS						1.52	0.58	0.20	0.56	0.168	1.61			0.00	4.50
INTEREST ON OPERATING CAPITAL															0.07
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															4.57

Table 11.B Estimated Resource Use and Costs for Field Operations, per Acre, Annual Maintenance of Summer Improved Permanent Pastures, Dairy Herds, Louisiana, 2014.

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		
Fertilizer truck	acre			1.00	Apr	-----dollars-----				dollars		-----dollars-----				
Nitrogen	lbs											1.0000	4.50	4.50	4.50	
Phosphate	lbs											18.0000	0.50	9.00	9.00	
Potash	lbs											52.0000	0.50	26.00	26.00	
Fertilizer truck	acre			1.00	May							65.0000	0.37	24.05	24.05	
Nitrogen	lbs											1.0000	4.50	4.50	4.50	
Lime (spread)	ton											42.0000	0.50	21.00	21.00	
Rotary mower	6.7 ft	75	0.168	1.00	Jun	2.36	1.32	0.20	0.56	0.168	1.61	0.1300	48.00	6.24	6.24	
Fertilizer truck	acre			1.00	Jun							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											42.0000	0.50	21.00	21.00	
Rotary mower	6.7 ft	75	0.168	1.00	Jul	2.36	1.32	0.20	0.56	0.168	1.61				6.07	
Establishment cost	acre			1.00	Nov										23.32	
TOTALS						4.73	2.64	0.41	24.44	0.336	3.22				120.79	156.26
INTEREST ON OPERATING CAPITAL																2.90
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																159.16

Table 12.B Estimated Resource Use and Costs for Field Operations, per Acre, Temporary Summer Pastures, Prepared Seedbed, Dairy Herds, Louisiana, 2014.

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		
Lime (spread)	ton			1.00	May	-----dollars-----				dollars		-----dollars-----				
Disk	14 ft	75	0.140	4.00	Jun	7.91	4.42	3.44	7.02	0.561	5.38	0.1300	48.00	6.24	6.24	
Fertilizer truck	acre			1.00	Jun							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											113.0000	0.50	56.50	56.50	
Phosphate	lbs											37.0000	0.50	18.50	18.50	
Potash	lbs											55.0000	0.37	20.35	20.35	
Spike harrow	18 ft	75	0.080	1.00	Jun	1.12	0.63	0.26	0.38	0.080	0.76				3.17	
Grain drill	12 ft	75	0.157	1.00	Jun	2.21	1.23	1.29	2.38	0.157	1.50				8.64	
Millet seed	lbs											30.0000	1.00	30.00	30.00	
Cultimulcher	12 ft	0	0.124	1.00	Jun				0.33	0.50					0.83	
TOTALS						11.25	6.29	5.34	10.30	0.798	7.66				136.09	176.94
INTEREST ON OPERATING CAPITAL																3.02
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																179.97

Table 13.B Estimated Resource Use and Costs for Field Operations, per Acre, Temporary Winter Pastures, Prepared Seedbed, Dairy Herds, Louisiana, 2014.

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		
Disk	14 ft	75	0.140	4.00	Sep	-----dollars-----				dollars		-----dollars-----			28.19	
Fertilizer truck	acre			1.00	Sep	7.91	4.42	3.44	7.02	0.561	5.38	1.0000	4.50	4.50	4.50	
Nitrogen	lbs											35.0000	0.50	17.50	17.50	
Phosphate	lbs											67.0000	0.50	33.50	33.50	
Potash	lbs											78.0000	0.37	28.86	28.86	
Spike harrow	18 ft	75	0.080	1.00	Sep	1.12	0.63	0.26	0.38	0.080	0.76				3.17	
Grain drill	12 ft	75	0.157	1.00	Sep	2.21	1.23	1.29	2.38	0.157	1.50				8.64	
Ryegrass seed	lbs											30.0000	0.28	8.40	8.40	
Cultimulcher	12 ft	0	0.124	1.00	Sep				0.33	0.50					0.83	
Tractor spreader	20 ft	75	0.200	1.00	Oct	2.81	1.57	0.17	0.18	0.200	1.92				6.68	
S1 clover	lbs											3.0000	3.00	9.00	9.00	
Fertilizer truck	acre			1.00	Jan							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											60.0000	0.50	30.00	30.00	
Fertilizer truck	acre			1.00	Mar							1.0000	4.50	4.50	4.50	
Nitrogen	lbs											60.0000	0.50	30.00	30.00	
Lime (spread)	ton			1.00	May							0.1300	48.00	6.24	6.24	
TOTALS						14.07	7.86	5.51	10.49	0.998	9.58				177.00	224.53
INTEREST ON OPERATING CAPITAL																4.52
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																229.06

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, 2014.

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	11.06		6.54	
Tractor (15-30hp)	22		8	600	8,200	15	1.13	3.98		1.48	
Tractor (40-59hp)	50		8	600	19,300	15	2.57	9.09		3.50	
Tractor (60-89hp)	75		8	600	43,400	15	3.86	14.09		7.88	
Tractor (90-115hp)	105		8	600	62,100	15	5.40	19.77		11.27	
Tractor (106-130hp)	118		8	600	95,400	15	6.69	25.06		17.32	
Tractor (140-159hp)	150		8	600	130,000	15	7.72	29.54		23.60	
Tractor (200-249hp)	225		8	600	147,066	15	11.58	42.81		28.01	
Tractor (250-349hp)	300		8	600	269,000	15	15.44	59.36		51.24	
Tractor (160-170hp)	170		8	600	119,000	15	8.75	32.59		22.66	
Tractor (180-199hp)	190		8	600	143,000	15	9.77	36.74		27.24	
4-Wheeler	250cc	1.000	10	100	8,750	100	0.30	9.74	9.74	10.34	10.34
Hi-cycle sprayer	60 ft	0.017	8	350	103,000	15	5.66	24.20	0.42	35.20	0.62
Truck	1 ton	1.000	10	400	35,000	50	3.00	14.27	14.27	10.34	10.34
Truck	2 ton	1.000	10	400	45,000	50	3.70	17.83	17.83	13.30	13.30
Truck	5 ton	1.000	12	100	115,000	100	5.00	112.33	112.33	118.67	118.67

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, 2014.

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				
Baler conventional	20 ft	0.229	8	200	20,908	80	10.45	2.39	14.17	3.24
Baler round	large	0.211	8	200	37,863	90	21.29	4.50	25.67	5.43
Boom sprayer	30 ft	0.062	8	200	3,000	75	1.40	0.08	1.63	0.10
Conditioner	13.3 ft	0.114	10	100	7,120	25	1.78	0.20	7.25	0.83
Conditioner	21 ft	0.071	10	100	11,700	25	2.92	0.20	11.92	0.84
Cultimulcher	12 ft	0.124	15	120	5,500	88	2.68	0.33	4.04	0.50
Disk	14 ft	0.140	10	180	22,100	50	6.13	0.86	12.51	1.75
Disk	24 ft	0.081	10	180	35,900	50	9.97	0.81	20.33	1.66
Disk	28 ft	0.070	10	180	42,200	50	11.72	0.82	23.90	1.67
Disk	6 ft	0.410	10	200	1,750	88	0.77	0.31	1.03	0.42
Disk + pre	14 ft	0.149	10	200	27,600	60	8.28	1.23	14.07	2.10
Disk + pre	24ft	0.087	10	200	41,400	60	12.42	1.08	21.10	1.84
Ditcher rotary	1.5 ft	0.020	10	200	4,860	80	1.94	0.03	2.47	0.04
Ditcher side	1.5 ft	0.009	10	200	4,860	80	1.94	0.01	2.47	0.02
Dozer blade	8 ft	0.880	20	100	3,030	66	0.99	0.87	2.23	1.96
Drag	14 ft	0.130	8	200	500	88	0.27	0.03	0.35	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	25.16	1.66
Field cult + pre	32 ft	0.049	10	100	33,211	25	8.30	0.41	33.86	1.67
Field cultivator	24 ft	0.062	10	100	26,000	25	6.50	0.40	26.51	1.64
Frontend loader	3/4cuyd	1.000	15	100	5,652	88	3.31	3.31	4.99	4.99
Grain cart	500 bu	0.057	12	200	23,700	65	6.41	0.36	10.69	0.61
Grain drill	12 ft	0.157	8	150	22,000	45	8.25	1.29	15.19	2.38
Grain drill	20 ft	0.094	8	150	35,500	45	13.31	1.25	24.52	2.31
Harrow	13 ft	0.233	10	200	3,780	70	1.32	0.30	1.92	0.44
Hay fork	2	1.000	8	200	382	50	0.11	0.11	0.25	0.25
Hay rake	17 ft	0.101	8	200	5,061	80	2.53	0.25	3.43	0.34
Hay rake	8.5 ft	0.202	8	200	8,258	80	4.12	0.83	5.59	1.13
Hay tedder	17 ft	0.101	8	200	8,722	80	4.36	0.44	5.91	0.59
Honey wagon	3000 gal	1.000	10	200	6,380	88	2.80	2.80	3.77	3.77
Land level	13 ft	0.151	10	200	7,500	40	1.50	0.22	3.82	0.57
Manure spreader	110 bu	1.000	15	100	6,550	88	3.84	3.84	5.78	5.78
Moldboard 4 bottom	6 ft	0.330	15	200	7,809	108	2.81	0.92	3.44	1.13
Mower conditioner	9 ft	0.229	8	200	23,535	100	14.70	3.36	15.95	3.65
Mower drum	8 ft	0.257	8	200	10,272	100	6.42	1.64	6.96	1.79
Mower sickle	7 ft	0.340	10	150	3,750	175	4.37	1.48	2.95	1.00
No till planter	8R-38	0.077	8	150	39,800	45	14.92	1.15	27.49	2.13
Nurse tank	1000 gal	0.130	10	130	3,500	22	0.59	0.07	3.18	0.41
Ripper-hipper	13.3 ft	0.160	10	200	7,780	88	3.42	0.54	4.59	0.73
Rotary hoe	18 ft	0.080	20	75	4,500	110	3.30	0.26	4.42	0.35
Rotary Mower	13.3 ft	0.098	10	150	12,900	44	3.78	0.37	10.16	0.99
Rotary mower	6.7 ft	0.168	10	150	4,250	44	1.24	0.20	3.35	0.56
Self unload wagon	4 ton	0.200	8	200	10,000	100	6.25	1.25	6.78	1.35
Silage blower	large	0.060	8	200	5,500	100	3.43	0.20	3.72	0.22
Silage blower	small	0.080	8	200	4,200	100	2.62	0.21	2.84	0.22
Silage harvester	1 row	0.080	8	200	22,000	100	13.75	1.10	14.91	1.19
Silage harvester	2 row	0.510	8	200	40,362	100	25.22	12.86	27.36	13.95
Silage wagon	12 ton	0.510	15	200	16,284	60	3.25	1.66	6.99	3.56
Silage wagon	6 ton	0.080	15	200	11,838	60	2.36	0.18	5.08	0.40
Sodseeder	12 ft	0.196	8	150	34,000	45	12.75	2.50	23.49	4.61
Spike harrow	18 ft	0.080	10	200	9,500	70	3.32	0.26	4.84	0.38
Sprayer cattle	6 ft	1.000	15	70	700	71	0.47	0.47	0.88	0.88
Sprigger	60 bu	0.400	10	100	8,500	77	6.54	2.61	10.05	4.02
Springtooth harrow	20 ft	0.110	13	150	3,690	132	2.49	0.27	2.39	0.26
Stalk cutter	14 ft	0.117	10	200	13,000	175	11.37	1.34	6.62	0.78
Stalk cutter	20 ft	0.082	10	200	30,500	175	26.68	2.20	15.54	1.28
Subsoiler	3 shank	0.204	15	100	3,550	50	1.18	0.24	2.79	0.57
Tractor blade	6 ft	1.000	20	200	1,030	190	0.48	0.48	0.37	0.37
Tractor spreader	20 ft	0.200	8	100	700	100	0.87	0.17	0.94	0.18
Trailer gooseneck	6 ft	1.000	15	200	7,300	80	1.94	1.94	3.13	3.13
Trailer hay	20 ft	0.500	15	200	4,296	80	1.14	0.57	1.84	0.92
Trailer utility	10 ft	1.000	15	200	2,000	80	0.53	0.53	0.85	0.85
V-Ripper	7 shank	0.170	15	100	10,200	110	7.48	1.27	9.00	1.53
V-Ripper	9 shank	0.130	15	100	19,400	110	14.22	1.84	17.13	2.22
Water level	16 ft	0.220	15	100	3,500	66	1.54	0.33	3.09	0.67

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, 2014.

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	615.400
Beef bull	head	0.000	0.000	0.000	123.750
Beef cow	head	0.000	0.000	0.000	56.250
Beef heifer	head	0.000	0.000	0.000	45.000
Belt feeder	ton	0.130	0.540	0.205	0.970
Corn silage	ton	0.000	0.000	0.000	2.470
Corral	each	72.780	0.000	72.780	211.050
Dairy bull	head	0.000	0.000	0.000	54.000
Dairy cow	head	0.000	0.000	0.000	69.750
Dairy facility	head	60.100	0.000	60.100	134.020
Dairy facility	head	60.100	0.000	60.100	134.020
Dairy heifer < 500	head	0.000	0.000	0.000	31.500
Dairy heifer > 500	head	0.000	0.000	0.000	54.000
Establishment cost	acre	0.000	0.000	0.000	23.320
Establishment cost	acre	0.000	0.000	0.000	17.260
Establishment cost	acre	0.000	0.000	0.000	119.740
Feed bunk	each	5.250	0.000	5.250	12.860
Feedmill	hour	0.750	0.640	0.839	3.610
Fence 5-wire	mile	210.000	0.000	210.000	444.520
Fence electric	mile	38.000	0.000	38.000	243.770
Finish operation	head	5.400	0.000	5.400	14.630
Hay from pasture	ton	0.000	0.000	0.000	14.000
Hay production	ton	0.000	0.000	0.000	19.190
Hay rack	each	9.040	0.000	9.040	25.140
Imp. grass pasture	acre	0.000	0.000	0.000	27.090
Interest on op. cap.	dol	0.000	0.000	0.000	1.000
Lagoon system	each	286.670	0.000	286.670	1917.080
Loafing shed	each	20.000	0.000	20.000	362.000
Milk parlor & equip	each	7333.330	0.000	7333.330	10303.330
Native pasture	acre	0.000	0.000	0.000	1.150
Ryegrass prepared	acre	0.000	0.000	0.000	8.430
Ryegrass sodseeded	acre	0.000	0.000	0.000	0.420
Semi-imp. grass past	acre	0.000	0.000	0.000	25.270
Shop bld. & equip.	acre	8.190	0.000	8.190	6.350
Silo	ton	0.330	0.000	0.330	1.560
Squeeze chute	each	28.580	0.000	28.580	138.110
Summer pasture	acre	0.000	0.000	0.000	16.590
Wash area & equip	each	666.670	0.000	666.670	936.670
Water tank & pump	each	40.000	0.000	40.000	122.500
Winter pasture	acre	0.000	0.000	0.000	18.360

Appendix Table 4. Operating Inputs: Estimated Prices Louisiana, 2014.

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
CUSTOM			CUSTOM		
Breeding fees	dol	17.50	Direct Cut	ton	6.00
Fertilizer truck	acre	4.50	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			FEED		
Calf grower/starter	ton	464.00	Corn grain	cwt	14.57
Corn silage	ton	0.00	Cottonseed meal	cwt	22.00
Dairy feed 16%	ton	319.00	Dairy feed 16% (D&H)	ton	341.00
Dairy feed 22%	ton	365.00	Milk replacer	cwt	160.00
Range meal	cwt	18.10	Soybean meal	cwt	27.60
Stock salt	lbs	0.07			
FERTILIZER			FERTILIZER		
Lime (spread)	ton	48.00	Nitrogen	lbs	0.50
Phosphate	lbs	0.50	Potash	lbs	0.37
Urea (45%)	lbs	0.23			
HERBICIDE			HERBICIDE		
2,4-D	pt	2.25	2,4-DB	pt	2.31
Atrazine 4L	pt	1.75	Eptam 7	qts	11.11
Grazon P+D	pt	4.43	Herbicide oil	pt	4.68
Ordram 15G	lbs	1.34	Pramitol 5PS	lbs	2.95
Roundup Orig Max	pt	6.00	Surfactant	pt	3.68
Weedmaster	pt	3.66			
HIRED LABOR			HIRED LABOR		
Livestock labor	hour	9.60	Other labor	hour	9.60
INSECTICIDE			INSECTICIDE		
Counter 15G	lbs	2.55	Furadan 4F	pt	9.81
Karate Z	oz	3.40	Methyl parathion	pt	5.79
Orthene 90SP	lb	10.59	Sevin 80% WP	lbs	7.35
LIVESTOCK FEEDERS			LIVESTOCK FEEDERS		
Stocker cattle	cwt	157.00	Weanling calves	cwt	165.00
OTHER			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
Farmstead & drainage	dol	1.00	Growth stimulant	head	1.15
Hay netting	each	1.15	Innoculant	bu	0.75
Insect scout	acre	7.00	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	Seed treatment	bu	1.07
Sell commission	dol	0.05	Supplies & misc.	dol	1.00
Twine	ton	0.75	Utilities	dol	1.00
PASTURE CROPS			PASTURE CROPS		
Corn silage	ton	34.59	Hay from pasture	ton	26.75
Hay production	ton	49.66	Imp. grass pasture	acre	132.07
Native pasture	acre	3.42	Ryegrass prepared	acre	107.74
Ryegrass sodseeded	acre	91.92	Semi-imp. grass pas	acre	85.92
Summer pasture	acre	163.37	Winter pasture	acre	210.69
Woods pasture	acre	0.00			
SEED			SEED		
Alfalfa seed	lbs	5.50	Coastal sprig	bu	3.00
Common bermuda seed	lbs	6.00	Corn seed	thou	2.53
Crimson clover	lbs	2.56	Grain sorghum seed	lbs	2.11
Millet seed	lbs	1.00	Milo seed	lbs	1.18
Oat seed	lbs	0.50	Red clover	lbs	3.00
Rye seed	lbs	0.52	Ryegrass seed	lbs	0.28
Ryegrass seed	lbs	0.34	S1 clover	lbs	3.00
Soybean seed	lbs	0.38	Sudan sorghum seed	lbs	1.00
Wheat seed	lbs	0.37			