District 11-Projected Cow-Calf Enterprise Budget-2005 100 Breeding Cow Herd on Improved Pasture

This budget is based on a 100-cow breeding herd, with a cow to bull ratio of 25:1. This budget is based on a breeding cow unit, which is defined as the breeding cow, her calf and her share of any costs associated with the bulls. Replacement heifers are not retained, and replacement cost is represented by the estimated capital recovery cost for cows.

The calf crop budgeted in this enterprise is 86% based on 100 cows exposed, with all steer and heifer calves sold. The budgeted income from the calf crop is based on 43 head of heifers sold that are priced at \$93/cwt with a pay weight of 4.5 cwt/head, along with 43 head of steer calves sold that are priced \$99/cwt with a pay weight of 4.75 cwt/head. The budgeted income from culled breeding livestock includes the sale of one cull bull per year priced at \$60/cwt with a pay weight of 16 cwt/head along with the sale of 15 cull cows priced at \$44/cwt with a pay weight of 9 cwt/head.

The budgeted stocking rate for this enterprise is four acres of improved pasture per breeding cow unit. The budgeted pasture maintenance program includes soil testing, fertilization, chemical weed control and mechanical weed control. Detailed information on pasture maintenance practices and costs related to pasture maintenance are shown in Table 9.a. Diesel for fuel is budgeted at \$1.35 per gallon.

The supplemental nutrition, salt and mineral program includes hay, protein supplement along with salt and mineral. Supplemental feeding is budgeted for a 120-day period beginning December 1 and ending March 31. Feeding and herd maintenance labor is budgeted at two hours per day during the feeding period and one hour per day during the balance of the year. The owner labor budgeted for feeding and herd maintenance is charged at \$5.50 per hour. Detailed information on supplemental nutrition, salt and mineral program practices and costs related to supplemental nutrition, salt and mineral program are shown in Table 8.a. In addition, pickup truck costs are included in the budget for feeding and herd maintenance. These costs are based on a truck valued at \$21,500, with 25% of the annual total budgeted truck usage of 18,000 miles charged to herd over a six-year useful life Gasoline for fuel is budgeted at \$1.50 per gallon.

The budgeted herd health maintenance program is shown in Tables 5.a and 6.a. The budgeted herd health maintenance program is presented only as general guide, and should not be used as a replacement for recommendations from local veterinarians. The budgeted herd health program includes two cattle workings, with two-day labors hired for each working and charged at \$120 per day.

Fixed costs specified in the budget include annual capitalized recovery values for machinery and breeding livestock along with overhead, insurance and taxes. The annual capitalized recovery charge for the bulls is based on a purchase price of \$1,500 per head and a useful life of four years. The annual capitalized recovery charge for the cows is based on a purchase price or initial value of \$650 per head and useful life of seven years. The intermediate term interest rate used in calculating the capital recovery factor for machinery and breeding livestock is budgeted at 7.25%. General overhead costs are budgeted at \$1287 for the total herd per year.

An enterprise budget is a statement of what is expected if <u>particular production practices are used</u> to produce a specified amount of product, and is based on the economic and technological relationships between inputs and outputs. The budgeted scenario shown in this document represents a general guide and is not intended to predict the costs and returns from any particular ranch's operation. For more details related to these budgets, contact your local county Extension office or go to the Extension budget web site maintained by the Texas A&M University Department of Agricultural Economics at <u>agecoext.tamu/budgets/list.htm</u>.

Projections for Planning Purposes Only Not to be Used without Updating after October 15, 2004

TEM	LINIT	00	ICE	OLIANTITY	Te	tal Amount	Dor Hos		
TEM	UNIT	PR	ICE	QUANTITY	10	tal Amount	P	er Hea	
	bood	¢	470.00	40	¢	20 240 00	¢	202.40	
Steer Calves	head	\$	470.00	43		20,210.00		202.10	
Heifer Calves	head	\$	423.00	43	\$	18,189.00		181.89	
	head	\$	396.00	15	\$	5,940.00	\$		
	head	\$	960.00	1	\$ \$	960.00 45,299.00	\$	9.60 452.99	
					φ	45,299.00	Φ	452.98	
DIRECT EXPENSES									
CUSTOM									
Soil Testing	acre	\$	0.20	400	¢	80.00	\$	0.8	
Custom Spread(Truck)	appl	\$	3.50	400		1.400.00	φ \$	14.0	
FEED	appi	φ	5.50	400	φ	1,400.00	φ	14.00	
Hay	Roll	\$	30.00	253	\$	7,590.00	\$	75.90	
20% Protein Cube	cwt	Š	10.40	484		5,033.60	\$	50.34	
FERTILIZER	CVVI	φ	10.40	404	φ	3,035.00	φ	50.5	
Jrea (46%N)	cwt	\$	14.25	440	\$	6,270.00	\$	62.70	
Phosphate (46% P2O5)	cwt	\$	14.23	100	φ \$	1,173.00	φ \$	11.73	
Potash (60% K2O)		э \$	9.25	60	գ Տ	555.00	э \$	5.5	
HERBICIDE	cwt	φ	9.25	00	φ	555.00	φ	5.50	
	t	¢	2.65	600	¢	2 100 00	¢	21.00	
Grazon P+D	pt	\$	3.65	600	\$	2,190.00	\$	21.90	
MARKET/GRADE	head	\$	1.00	400	¢	100.00	\$	1.0	
Check-off			1.00	102	\$	102.00			
Marketing Cost	%	\$4	5,299.00	0.04	\$	1,811.96	\$	18.1	
SALT AND MINERALS	lb	<u> </u>	0.00	0007	¢	1 504 44	¢	45 0	
Salt and Mineral	lb	\$	0.22	6837	\$	1,504.14	\$	15.04	
VETERINARY MEDICINE		•		070	•	400.00	•		
BR/PI-3/BVD/BRSV	dose	\$	1.75	276	\$	483.00	\$	4.8	
B-Way Clostridials	dose	\$	0.42	294	\$	123.48	\$	1.2	
Dewormer-Avermectin	dose	\$	4.00	190	\$	760.00	\$	7.6	
/ibrio	dose	\$	0.54	104	\$	56.16	\$	0.56	
Pasturella+8way clos	dose	\$	2.40	86	\$	206.40	\$	2.00	
_epto-5	dose	\$	0.24	104	\$	24.96	\$	0.2	
Dewormer-Albendazole	dose	\$	2.40	104	\$	249.60	\$	2.50	
HEALTH MANAGEMENT									
mplants	head	\$	1.20	86	\$	103.20	\$	1.03	
Fly Control	head	\$	3.25	100	\$	325.00	\$	3.2	
Pregnancy Check	head	\$	2.50	100	\$	250.00	\$	2.50	
Bull Exam.	head	\$	40.00	4	\$	160.00	\$	1.60	
OPERATOR LABOR									
Fractors	hour	\$	9.00	62.8	\$	565.20	\$	5.6	
OWNER LABOR									
Special Labor	hour	\$	5.50	486	\$	2,673.00	\$	26.73	
DAYLABOR									
Special Labor	Day	\$	120.00	4	\$	480.00	\$	4.80	
DIESEL FUEL									
Tractors	gal	\$	1.35	242.4331	\$	327.28	\$	3.2	
GASOLINE									
Fruck 1/2 ton	gal	\$	1.60	214.7003	\$	343.52	\$	3.44	
REPAIR & MAINTENANCE	U U								
mplements	herd	\$	156.00	1	\$	156.00	\$	1.50	
Fractors	herd	\$	128.00	1	\$	128.00	\$	1.28	
Fruck 1/2 ton	mile	\$	0.08	3650		292.00	\$	2.92	
NTEREST ON OP. CAP.	herd		1,416.72	1	\$	1,416.72	\$	14.1	
OTAL DIRECT EXPENSES					\$	36,833.22		368.3	
RETURNS ABOVE DIRECT EX	PENSES				\$	8,465.78	\$	84.6	
						, .	Ŧ		
IXED EXPENSES									
mplements	herd	\$	260.00	1	\$	260.00	\$	2.6	
Tractors	herd	\$	324.00	1	\$	324.00	\$	3.24	
Fruck 1/2 ton	each		3,948.13	0.25		987.03	\$	9.8	
Bulls	each	\$	445.34	4	\$	1,781.36	\$	17.8	
nsurance & Taxes	each	\$	804.38	1	\$	804.38	\$	8.04	
General Overhead	each		1,287.00	1	φ \$	1,287.00	φ \$	12.8	
Cows	each		121.66	100	φ \$	12,166.00		121.6	
TOTAL FIXED EXPENSES	Cault	φ	121.00	100	ֆ \$	17,609.77		176.10	
OTAL SPECIFIED EXPENSES	\$				э \$	54,442.99		544.4	
RETURNS ABOVE TOTAL SP			50		ֆ \$	(9,143.99)			
			123		Ð	19.143.99)	Ф	191.44	

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Projections for Planning Purposes Only Not to be Used without Updating after October 15, 2004 Table 1.A Estimated resource use and costs for field operations, per herd Cow-Calf Enterprise 100-cow herd 2005 Projected Costs and Returns - TCE District 11

OPERATION/	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES		POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING	TOTAL		
OPERATION/ OPERATING INPUT			RATE OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						dol	lars			dollars			-dollars	
DAY LABOR	Day		1.00	May					2.00	240.00				240.00
DAY LABOR	Day		1.00	Oct					2.00	240.00				240.00
Check-off	head										102.0000	1.00	102.00	102.00
Truck 1/2 ton	each		1.00	Jan				987.03			0.2500			987.03
Truck – variable	mile		1.00	Dec			634.17				3650.0000			634.17
Insurance & Taxes	each		1.00	Jan				804.37			1.0000			804.37
General Overhead	each		1.00	Jan				1287.00			1.0000			1287.00
Bulls	each		1.00	Dec				1781.38			4.0000			1781.38
Cows	each		1.00	Dec			1	2166.29			100.0000			12166.29
Supplementantal Feed	l herd			Jan					486.00	2673.00	1.0000	1	4127.74	16800.74
Pasture Maintenance	acre			Mar	456.00	324.00	156.00	260.00	62.80	564.00	400.0000	1	1672.00	13432.00
Veterinary Medicine	herd			May							1.0000		1903.60	1903.60
Health Management	herd			Мау							1.0000		838.20	838.20
TOTALS					456.00	324.00	790.171	7286.07	552.80	3717.00		2	8643.54	51216.78
INTEREST ON OPERATIN	IG CAPITAL													1416.72
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST	1													52633.50

Projections for Planning Purposes Only

Projections for Planning Purposes Only Not to be Used without Updating after October 15, 2004 Table 8.A Estimated resource use and costs for field operations, per herd

Table 8.A Estimated resource use and costs for field operations, per Supplemental Nutrition, Salt & Mineral 100-cow herd 2005 Projected Costs - TCE District 11

ODEDIETON /					POWER UN	IT COST	EQUIPME	NT COST	ALLOC	LABOR	OPERATING		LE INPUT	
OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES RATE OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT		COST	TOTAL COST
						dol	lars			dollars			-dollars	
			1	_					~~ ~~					
OWNER LABOR	hour		1.00	Jan					62.00	341.00				341.00
Нау	Roll										65.0000		1950.00	1950.00
20% Protein Cube	cwt										124.0000		1289.60	1289.60
Salt and Mineral	lb			-							580.0000	0.22	127.60	127.60
OWNER LABOR	hour		1.00	Feb					56.00	308.00				308.00
Нау	Roll										58.0000			1740.00
20% Protein Cube	cwt										112.0000		1164.80	1164.80
Salt and Mineral	lb										525.0000	0.22	115.50	115.50
OWNER LABOR	hour		1.00	Mar					62.00	341.00				341.00
Нау	Roll										65.0000		1950.00	1950.00
20% Protein Cube	cwt										124.0000		1289.60	1289.60
Salt and Mineral	lb										580.0000	0.22	127.60	127.60
OWNER LABOR	hour		1.00	Apr					30.00	165.00				165.00
Salt and Mineral	lb										563.0000	0.22	123.86	123.86
OWNER LABOR	hour		1.00	May					31.00	170.50				170.50
Salt and Mineral	lb										580.0000	0.22	127.60	127.60
OWNER LABOR	hour		1.00	Jun					30.00	165.00				165.00
Salt and Mineral	lb										563.0000	0.22	123.86	123.86
OWNER LABOR	hour		1.00	Jul					31.00	170.50				170.50
Salt and Mineral	lb										580.0000	0.22	127.60	127.60
OWNER LABOR	hour		1.00	Aug					31.00	170.50				170.50
Salt and Mineral	lb										580.0000	0.22	127.60	127.60
OWNER LABOR	hour		1.00	Sep					30.00	165.00				165.00
Salt and Mineral	lb										563.0000	0.22	123.86	123.86
OWNER LABOR	hour		1.00	Oct					31.00	170.50				170.50
Salt and Mineral	lb										580.0000	0.22	127.60	127.60
OWNER LABOR	hour		1.00	Nov					30.00	165.00				165.00
Salt and Mineral	lb										563.0000	0.22	123.86	123.86
OWNER LABOR	hour		1.00	Dec					62.00	341.00				341.00
Нау	Roll										65.0000		1950.00	1950.00
20% Protein Cube	cwt										124.0000	10.40	1289.60	1289.60
Salt and Mineral	lb										580.0000		127.60	127.60
TOTALS					0.00	0.00	0.00	0.00	486.00	2673.00				16800.74
INTEREST ON OPERATIO	NG CAPITAL													814.49
UNALLOCATED LABOR														0.00
TOTAL SPECIFIED COST														17615.23

Projections for Planning Purposes Only

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Projections for Planning Purposes Only Not to be Used without Updating after October 15, 2004 Bermanent surport surpor Permanent summer pasture maintenance 2005 Projected Costs and Returns per Acre - TCE District 11

						POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING			
OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	TOTAL COST
			<u> </u>			dollars					dollars	<u>_</u>			
Soil Testing	acre			1.00	Apr							1.0000	0.20	0.20	0.20
Custom Spread (Truck) appl			1.00	Apr							1.0000	3.50	3.50	3.50
Urea (46%N)	cwt											1.1000	14.25	15.68	15.68
Phosphate (46% P2	05) cwt											0.2500	11.73	2.93	2.93
Potash (60% K2O)	cwt											0.1500	9.25	1.39	1.39
Grazon P+D	pt											1.5000	3.65	5.48	5.48
Rotary Mower	10.5'	2WD 75	0.157	1.00	Aug	1.14	0.81	0.39	0.65	0.15	1.41				4.40
TOTALS						1.14	0.81	0.39	0.65	0.15	1.41			29.18	33.58
INTEREST ON OPERATI	NG CAPITAL														1.28
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COS	Т														34.86

Projections for Planning Purposes Only

Projections for Planning Purposes Only Not to be Used without Updating after October 15, 2004 Table 5.A Estimated resource use and costs for field operations, per herd Veterinary Medicine - 100-cow herd

2005 Projected Costs - TCE District 11

						POWER UN	IT COST	EQUIPME	NT COST	ALLOC	LABOR	OPERATING	G/DURABI		
OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	TOTAL COST
							dol	lars			dollars	-		-dollars	
Cows				1.00	Mav										
IBR/PI-3/BVD/BRSV	dose			1.00	nay							100.0000	1.75	175.00	175.00
8-Way Clostridials												100.0000	0.42	42.00	42.00
Dewormer-Avermecti:												100.0000	4.00	400.00	400.00
Vibrio	dose											100.0000	0.54	54.00	54.00
Calves	4000			1.00	Mav							100.0000	0.01	01.00	01.00
8-Way Clostridials	dose				7							86.0000	0.42	36.12	36.12
IBR/PI-3/BVD/BRSV	dose											86.0000	1.75	150.50	150.50
Bulls	4000			1.00	Mav							00.0000		100.00	100.00
IBR/PI-3/BVD/BRSV	dose			2.00	110.1							4.0000	1.75	7.00	7.00
Vibrio	dose											4.0000	0.54	2.16	2.16
Dewormer-Avermecti:												4.0000	4.00	16.00	16.00
8-Way Clostridials												4.0000	0.42	1.68	1.68
Calves				1.00	Oct.										
Pasturella+8way cl	os dose											86.0000	2.40	206.40	206.40
IBR/PI-3/BVD/BRSV	dose											86.0000	1.75	150.50	150.50
Dewormer-Avermecti	n dose											86.0000	4.00	344.00	344.00
Cows				1.00	Oct										
8-Way Clostridials	dose											100.0000	0.42	42.00	42.00
Lepto-5	dose											100.0000	0.24	24.00	24.00
Dewormer-Albendazo	le dose											100.0000	2.40	240.00	240.00
Bulls				1.00	Oct										
8-Way Clostridials	dose											4.0000	0.42	1.68	1.68
Lepto-5	dose											4.0000	0.24	0.96	0.96
Dewormer-Albendazo	le dose											4.0000	2.40	9.60	9.60
TOTALS INTEREST ON OPERATIN UNALLOCATED LABOR	G CAPITAL					0.00	0.00	0.00	0.00	0.00	0.00			1903.60	1903.60 38.22 0.00
TOTAL SPECIFIED COST															1941.82

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Projections for Planning Purposes Only Not to be Used without Updating after October 15, 2004 Table 6.A Estimated resource use and costs for field operations, per herd Health Management 100 cow-herd 2005 Projected Costs - TCE District 11

		POWER UNIT SIZE				POWER UN	IT COST	EQUIPMENT COST		ALLOC LABOR		OPERATING	TOTAL		
OPERATION/ OPERATING INPUT	SIZE/ UNIT		PERF RATE	TIMES OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	TOTAL COST
							do]	lars			dollars			dollars-	
Health Management Implants Fly Control Pregnancy Check Bull Exam.	head head head head			1.00	May							86.0000 100.0000 100.0000 4.0000	1.20 3.25 2.50 40.00	103.20 325.00 250.00 160.00	103.20 325.00 250.00 160.00
TOTALS INTEREST ON OPERATI UNALLOCATED LABOR TOTAL SPECIFIED COS						0.00	0.00	0.00	0.00	0.00	0.00			838.20	838.20 30.38 0.00 868.58

Projections for Planning Purposes Only