

DAIRY PRODUCTION TEXAS CROSS TIMBERS REGION
1982 PROJECTED COSTS AND RETURNS PER COW
WITHOUT SILAGE

INVESTMENT REQUIREMENTS				PROJECTED		YOUR
	NUMBER	UNIT	SIZE	\$/UNIT	VALUE	ESTIMATE
DAIRY BULL PUR	0.03	HEAD	1.00	1218.75	40.22	
DAIRY COW RAISED	0.95	HEAD	1.00	1056.37	1003.56	
DAIRY COW PURCH	0.05	HEAD	1.00	1056.37	52.82	
DAIRY HEIFER RAI	0.24	HEAD	1.00	781.87	187.65	
TOTAL LIVESTOCK INVESTMENT					\$ 1284.24	\$
PRODUCTION				PROJECTED		
	NUMBER	WGT. EACH	TOTAL UNITS	UNIT	\$/UNIT	RETURN
MILK	135.00	1.00	135.0	CWT.	14.30	1930.50
BULL CALVES	0.43	1.00	0.4	HEAD	100.00	43.00
BREEDING HEIFERS	0.22	1.00	0.2	HEAD	650.00	143.00
CULL DAIRY COWS	0.22	13.00	2.9	CWT.	46.00	131.56
HEIFER CALVES	0.02	1.00	0.0	HEAD	110.00	2.20
BULL	0.01	1.00	0.0	HEAD	1500.00	15.00
TOTAL PROJECTED RETURNS						\$ 2265.26
OPERATING INPUTS				PROJECTED		
	INPUT USE	UNIT		\$/UNIT	COST	
GRAIN MIX	66.40	CWT.		9.28	616.19	
HAY	111.00	CWT.		3.00	333.00	
PASTURE RENT	5.00			1.00	5.00	
VET MEDICINE	1.00	HEAD		25.00	25.00	
BREEDING	1.00	HEAD		24.50	24.50	
SUPPLIES	1.00	HEAD		34.75	34.75	
MGMT RECORDS	1.00	HEAD		18.00	18.00	
UTILITIES	1.00	HEAD		40.00	40.00	
HAULING	135.00	CWT.		0.72	97.20	
SALT	0.72	CWT.		4.75	3.42	
MILK REPLACER	40.00	LB.		0.44	17.60	
MISC EXPENSE	1.00	HEAD		15.00	15.00	
SALES COMM	1.00	HEAD		8.24	8.24	
EQUIPMENT FUEL AND LUBE					11.52	
EQUIPMENT REPAIR					5.27	
TOTAL OPERATING COST					\$ 1254.69	\$
RESIDUAL RETURNS TO LAND, LABOR, CAPITAL, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 1010.57	\$
CAPITAL INVESTMENT		QUANTITY	UNIT	RATE OF	PROJECTED	
		INVESTED		RETURN	COST	
ANNUAL OPERATING CAPITAL		-592.82	DOL.	0.150	-88.92	
EQUIPMENT INVESTMENT		722.42	DOL.	0.150	108.36	
LIVESTOCK INVESTMENT		1284.24	DOL.	0.150	192.64	
TOTAL CAPITAL COST					\$ 272.08	\$
RESIDUAL RETURNS TO LAND, LABOR, OWNERSHIP, MANAGEMENT, AND PROFIT					\$ 798.49	\$
OWNERSHIP COSTS (DEPRECIATION, TAXES, AND INSURANCE)					PROJECTED	
				COST		
EQUIPMENT				109.63		
LIVESTOCK				240.10		
TOTAL OWNERSHIP COST				\$ 349.73	\$	
RESIDUAL RETURNS TO LAND, LABOR, MANAGEMENT, AND PROFIT					\$ 448.76	\$
OPERATOR LABOR COSTS		LABOR USE	UNIT	RATE OF	PROJECTED	
				RETURN	COST	
EQUIPMENT		4.90	HOOR	4.00	19.60	
LIVESTOCK		47.60	HOOR	4.00	190.40	
TOTAL LABOR COST					\$ 210.00	\$
RESIDUAL RETURNS TO LAND, MANAGEMENT, AND PROFIT					\$ 238.76	\$
LAND COSTS		INPUT USE	UNIT	RATE OF	PROJECTED	
				RETURN	COST	
PASTURE RENT		1.00	ACRE	10.00	10.00	
TOTAL LAND COST					\$ 10.00	\$
RESIDUAL RETURNS TO MANAGEMENT AND PROFIT					\$ 228.76	\$
TOTAL PROJECTED COST OF PRODUCTION					\$ 2036.50	\$

100 COW DAIRY, 13500 LBS. PRODUCTION PER COW, BARN IS DOUBLE 6 HERRINGBONE, FEEDING OUTSIDE MILKING PARLOR, 25% REPLACEMENT.

PROJECTIONS FOR PLANNING PURPOSES ONLY ... NOT TO BE USED WITHOUT UPDATING AFTER 01/27/82.

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	1	2	3	4	5	6	7	8	9	10	11	12	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AVES. ANNUAL CAPITAL	-5.33	-22.85	-29.41	-35.91	-42.43	-49.04	-41.13	-56.98	-67.41	-73.22	-79.73	-83.38	-592.82
(DOLLARS)													
LABOR REQUIREMENTS													TOTAL
MACHINERY LABOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EQUIPMENT LABOR	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	4.90
LIVESTOCK LABOR	4.30	4.30	4.30	4.30	4.30	4.30	2.30	2.30	4.30	4.30	4.30	4.30	47.60
TOTAL LABOR	4.71	4.71	4.71	4.71	4.71	4.71	2.71	2.71	4.71	4.71	4.71	4.71	52.50
(HOURS)													

EQUIPMENT FIXED AND VARIABLE COSTS PER YEAR

EQUIPMENT	CODE	DEPR	INT.	INS.	TAX	REPAIR	FUEL	LUB.	TOTAL OWN.	TOTAL OPER.	HOURS LABOR	ALLOC (-%)
PICKUP TRUCK	12	850.00	765.00	51.00	25.50	204.00	1568.00	78.40	1691.50	1850.40	700.00	0.007
MILKING PARLOR	21	910.00	1433.25	95.55	47.77	45.50	0.0	0.0	2486.57	45.50	0.0	0.010
MILK ROOM	22	440.00	693.00	46.20	23.10	22.00	0.0	0.0	1202.30	22.00	0.0	0.010
MILKING STALLS	23	360.00	432.00	28.80	14.40	22.50	0.0	0.0	835.20	22.50	0.0	0.010
MILKERS	24	520.00	624.00	41.60	20.80	32.50	0.0	0.0	1206.40	32.50	0.0	0.010
BULK MILK COOLER	25	1054.07	1163.50	77.57	38.78	62.50	0.0	0.0	2333.92	62.50	0.0	0.010
MECHANICAL FEEDER	27	650.00	536.25	35.75	17.87	32.50	0.0	0.0	1239.87	32.50	0.0	0.010
HOLDING AREA	29	300.00	472.50	31.50	15.75	6.00	0.0	0.0	819.75	6.00	0.0	0.010
ROOF PDNG AREA	30	320.00	504.00	33.60	16.80	6.40	0.0	0.0	874.40	6.40	0.0	0.010
CALF BARN	31	200.00	315.00	21.00	10.50	10.00	0.0	0.0	546.50	10.00	0.0	0.010
HAY RACKS	32	275.00	226.87	15.13	7.56	5.50	0.0	0.0	524.56	5.50	0.0	0.010
HAY BARN	33	520.00	819.00	54.60	27.30	10.40	0.0	0.0	1420.90	10.40	0.0	0.010
FEED MILL	34	1400.00	1155.00	77.00	38.50	70.00	0.0	0.0	2670.50	70.00	0.0	0.010
MANURE SYSTEM	35	1950.00	1608.75	107.25	53.62	39.00	0.0	0.0	3719.62	39.00	0.0	0.010
WATER SYSTEM	36	385.00	317.62	21.18	10.59	19.25	0.0	0.0	734.39	19.25	0.0	0.010
DAIRY COW RAISED	61	195.75	158.46	10.56	5.28	0.0	0.0	0.0	370.05	0.0	0.0	0.950
DAIRY COW PURCH	62	195.75	158.46	10.56	5.28	0.0	0.0	0.0	370.05	0.0	0.0	0.050
DAIRY BULL PUR	63	187.50	182.81	12.19	6.09	0.0	0.0	0.0	388.59	0.0	0.0	0.033
DAIRY HEIFER RAI	65	78.75	117.28	7.82	3.91	0.0	0.0	0.0	207.76	0.0	0.0	0.240

SELECTED EQUIPMENT COMPLEMENT INFORMATION

EQUIPMENT	1 CODE NO.	2 SIZE	3 UNIT	4 TYPE	5 LIST PRICE	6 PURCH PRICE	7 LIFE (YRS)	8 SALV. (%LP)	9 REPAIR (%LP)	10 FUEL USE	11 ANNUAL LABOR	12 ANNUAL USE	13 XXXXX	14 XXXXX	15 EFF.
PICKUP TRUCK	12.	1.	TON	2.	8500.	7650.	7.	0.20	0.17	1400.0	700.0	0.0	0.0	1.00	0.0
MILKING PARLOR	21.	960.	SQFT	2.	18200.	18200.	20.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
MILK ROOM	22.	440.	SQFT	2.	8800.	8800.	20.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
MILKING STALLS	23.	1.	DOL.	2.	4500.	4500.	10.	0.20	0.05	0.0	0.0	0.0	0.0	0.0	0.0
MILKERS	24.	1.	DOL.	2.	6500.	6500.	10.	0.20	0.05	0.0	0.0	0.0	0.0	0.0	0.0
BULK MILK COOLER	25.	1500.	GAL.	2.	12500.	12500.	10.	0.16	0.05	0.0	0.0	0.0	0.0	0.0	0.0
MECHANICAL FEEDER	27.	1.	DOL.	2.	6500.	6500.	10.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
HOLDING AREA	29.	1500.	SQFT	2.	6000.	6000.	20.	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
ROOF PDNG AREA	30.	1600.	SQFT	2.	6400.	6400.	20.	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
CALF BARN	31.	500.	SQFT	2.	4000.	4000.	20.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
HAY RACKS	32.	75.	FEET	2.	2750.	2750.	10.	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
HAY BARN	33.	2600.	SQFT	2.	10400.	10400.	20.	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
FEED MILL	34.	1.	DOL.	2.	14000.	14000.	10.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
MANURE SYSTEM	35.	1.	DOL.	2.	19500.	19500.	10.	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0
WATER SYSTEM	36.	1.	DOL.	2.	3850.	3850.	10.	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0
DAIRY COW RAISED	61.	1.	HEAD	1.	1350.	1350.	4.	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DAIRY COW PURCH	62.	1.	HEAD	1.	1350.	1350.	4.	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DAIRY BULL PUR	63.	1.	HEAD	1.	1500.	1500.	4.	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DAIRY HEIFER RAI	65.	1.	HEAD	1.	900.	900.	4.	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0

INFORMATION PRESENTED IS PREPARED SOLELY AS A GENERAL GUIDE AND IS NOT INTENDED TO RECOGNIZE OR PREDICT THE COSTS AND RETURNS FROM ANY ONE PARTICULAR FARM OR RANCH OPERATION. THESE PROJECTIONS WERE COLLECTED AND DEVELOPED BY STAFF MEMBERS OF THE TEXAS AGRICULTURAL EXTENSION SERVICE AND APPROVED FOR PUBLICATION.