

COST AND RETURNS SUMMARY FOR DAIRY ANIMALS BUDGET RECORD NUMBER 475  
 COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 500 COW HERD 14,856 LBS/HD AVE. ANNUAL PRODUCTION  
 30% TURNOVER RATE CHINO VALLEY AREA

ITEM	WEIGHT EACH	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST	YOUR COST
<b>1. GROSS RECEIPTS</b>						
MILK, GRADE A	500.00	CWT.	11.940	148.560	886903.20	
CALVES, BULL	1.00	HEAD	54.610	250.000	13652.50	
CALVES, HEIFER	1.00	HEAD	118.310	283.000	33481.23	
TOTAL					934037.43	
GROSS INCOME PER CWT.						12.5745
<b>2. VARIABLE COSTS</b>						
FEED COSTS						
DRY ROUGHAGE		HEAD	102.340	2280.000	233335.20	
CONCENTRATES		HEAD	132.160	1980.000	261676.80	
TOTAL FEED COST					495012.00	
OTHER COSTS						
NET ROUGHAGE		HEAD	22.750	2160.000	49140.00	
MILKERS		HEAD	7.850	6000.000	47100.00	
HIRED LABOR		HEAD	4.840	6000.000	29040.00	
FAMILY MILKR		HEAD	0.270	6000.000	1620.00	
FAMILY LABOR		HEAD	0.690	6000.000	4140.00	
REPLACE. HEIFER		HEAD	290.330	150.000	43549.50	
MANURE HAULING		HEAD	12.000	500.000	6000.00	
TAXES & INS.		HEAD	16.340	500.000	8170.00	
MARKETING		CWT.	0.510	74280.000	37882.80	
MISCL EXPENSE		HEAD	13.790	6000.000	82740.00	
TRACTORS (FUEL-LUBE-REP)		DOL.			3203.99	
MACHINERY (FUEL-LUBE-REP)		DOL.			1420.37	
EQUIPMENT (FUEL-LUBE-REP)		DOL.			331.13	
LABOR: TRACTOR & MACHINERY		HRS.	4.500	861.12	3875.04	
INTEREST ON OPER. CAP.		DOL.	0.12000	67768.74	8132.25	
TOTAL VARIABLE COSTS					821357.08	
VAR. COST PER CWT.						11.0576
<b>3. INCOME ABOVE OPERATING COSTS</b>					112680.35	
INCOME PER CWT.						1.5170
<b>4. OVERHEAD</b>						
PERSONAL PROPERTY TAXES					303.76	
REAL PROPERTY TAXES					5040.56	
TOTAL OVERHEAD					5344.32	
OVERHEAD COST PER CWT.						0.0719
TOTAL CASH EXPENSE					826701.40	
CASH EXPENSE PER CWT.						11.1295
<b>5. INCOME ABOVE CASH COSTS</b>					107336.03	
INCOME PER CWT.						1.4450
<b>6. FIXED COSTS</b>						
CAPITAL & INTEREST						
INT. ON LIVESTOCK CAPITAL		DOL.	0.12000	669733.00	80367.96	
INT. ON EQUIPMENT CAPITAL		DOL.	0.12000	163000.52	19560.06	
INT. ON MACHINERY CAPITAL		DOL.	0.12000	8618.43	1034.21	
INT. ON FARMSTEAD		DOL.	0.12000	450000.00	54000.00	
TOTAL INTEREST					154962.24	
DEPRECIATION						
DEPR. ON EQUIPMENT		DOL.			14770.52	
DEPR. ON MACHINERY		DOL.			1154.21	
TOTAL DEPRECIATION					15924.73	
TOTAL FIXED COSTS					170886.96	
FIXED COSTS PER CWT.						2.3006
<b>7. TOTAL COSTS</b>					997588.36	
TOTAL COST PER CWT.						13.4301
<b>8. NET RETURNS</b>					-63550.93	
NET RETURNS PER CWT.						-0.8556

30 ACRE DAIRY  
 DOUBLE 10 HERRINGBONE BARN

MILKING TWICE DAILY

FULLY AUTOMATED

UPDATED 9/12/80

DATE PRINTED: 09/12/80

CYCLE LENGTH(MOS.): 1

PRODUCTION UNIT

74280.00 CWT.

1980 default data

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

YEAR UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL RECEIPTS 1 DOL.	77367.	77540.	77540.	77540.	77540.	77540.	77367.	77540.	77540.	77540.	79433.	79551.
<b>OPERATING INPUTS:</b>												
DAIRY FEEDS 1 DOL.	19445.	19445.	19445.	19445.	19445.	19445.	19445.	19445.	19445.	19445.	19445.	19445.
CONCENTRATES 1 DOL.	21806.	21806.	21806.	21806.	21806.	21806.	21806.	21806.	21806.	21806.	21806.	21806.
NET ROUGHAGE 1 DOL.	4095.	4095.	4095.	4095.	4095.	4095.	4095.	4095.	4095.	4095.	4095.	4095.
MILKERS 1 DOL.	3925.	3925.	3925.	3925.	3925.	3925.	3925.	3925.	3925.	3925.	3925.	3925.
HAIRED LABOR 1 DOL.	2420.	2420.	2420.	2420.	2420.	2420.	2420.	2420.	2420.	2420.	2420.	2420.
FAMILY MILKR 1 DOL.	135.	135.	135.	135.	135.	135.	135.	135.	135.	135.	135.	135.
FAMILY LABOR 1 DOL.	345.	345.	345.	345.	345.	345.	345.	345.	345.	345.	345.	345.
REPLACE. HEIFER 1 DOL.	3484.	3774.	3484.	3774.	3484.	3774.	3484.	3774.	3484.	3774.	3484.	3774.
MANURE HAULING 1 DOL.	0.	0.	3000.	0.	0.	0.	0.	0.	3000.	0.	0.	0.
TAXES & INS. 1 DOL.	2042.	0.	0.	2042.	0.	0.	2042.	0.	0.	2042.	0.	0.
MARKETING 1 DOL.	3157.	3157.	3157.	3157.	3157.	3157.	3157.	3157.	3157.	3157.	3157.	3157.
MISCL EXPENSE 1 DOL.	6895.	6895.	6895.	6895.	6895.	6895.	6895.	6895.	6895.	6895.	6895.	6895.
TRACTOR FUEL COST 1 DOL.	142.	142.	142.	142.	142.	142.	142.	142.	142.	142.	142.	142.
TRACTOR REPAIR COST 1 DOL.	104.	104.	104.	104.	104.	104.	104.	104.	104.	104.	104.	104.
TRACTOR LUBE COST 1 DOL.	21.	21.	21.	21.	21.	21.	21.	21.	21.	21.	21.	21.
MACHRY FUEL COST 1 DOL.	17.	17.	17.	17.	17.	17.	17.	17.	17.	17.	17.	17.
MACHRY LUBE COST 1 DOL.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
EQUIP REPAIR COST 1 DOL.	97.	97.	97.	97.	97.	97.	97.	97.	97.	97.	97.	97.
EQUIP REPAIR COST 1 DOL.	28.	28.	28.	28.	28.	28.	28.	28.	28.	28.	28.	28.
MACHINERY LABOR 1 DOL.	323.	323.	323.	323.	323.	323.	323.	323.	323.	323.	323.	323.
INT. ON OPER CAP. 1 DOL.	678.	678.	678.	678.	678.	678.	678.	678.	678.	678.	678.	678.

\*\*\* TOTALS OF THE ABOVE ITEMS ARE LISTED IN THE VARIABLE COST SECTION ON THE REVERSE SIDE \*\*\*

TOTAL COST 1 DOL.	69163.	67411.	70120.	69453.	67120.	67411.	69163.	67411.	70120.	69453.	67120.	67411.
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LABOR USE SUMMARY

MACHINERY LABOR 1 HOUR	72.	72.	72.	72.	72.	72.	72.	72.	72.	72.	72.	72.
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LIVESTOCK INVESTMENT AND COST SUMMARY

NAME	UNIT	SIZE	INVESTMENT		TOTAL VALUE	COST SUMMARY						
			PURCH PRICE	NO. IN BUDGET		DEPR.	INTEREST	INS/TAXES	TOTAL OWNERSHIP	FUEL & LUBE	REPAIRS	TOTAL OP COSTS
<b>PREMI</b>												
SUMP PIT	CUFT	450.	2574.	1.0	2574.00	102.96	154.44	25.74	283.14	0.00	0.00	0.00
FLOAT SWITCH	UNIT	1.	97.	1.0	97.00	12.47	6.40	0.97	19.84	0.00	0.14	0.14
SUMP PUMP 15-HP	UNIT	1.	2574.	1.0	2574.00	330.94	169.88	25.74	526.57	0.00	11.03	11.03
ROTARY AGITATOR	UNIT	1.	1521.	1.0	1521.00	195.56	100.39	15.21	311.15	0.00	10.86	10.86
SPRINKLER SYSTEM	FEET	1.	2.	500.0	815.00	40.75	61.13	8.15	110.03	0.00	0.54	0.54
HOBONE-DBL 10"	SQFT	6840.	81900.	1.0	81900.00	2948.40	5405.40	819.00	9172.80	0.00	49.14	49.14
CROWD GATE	UNIT	1.	8190.	1.0	8190.00	737.10	540.54	81.90	1359.54	0.00	0.82	0.82
MILKING UNIT	UNIT	1.	269.	20.0	5380.00	438.88	338.94	53.80	1031.62	0.00	67.25	67.25
AUTO DETACHER	UNIT	1.	995.	20.0	19900.00	2238.75	1313.40	199.00	3751.15	0.00	49.75	49.75
3" SS PIPELINE	FEET	1.	10.	100.0	1000.00	80.00	72.00	10.00	162.00	0.00	0.00	0.00
VACUUM LINE	FEET	1.	4.	120.0	480.00	38.40	34.56	4.80	77.76	0.00	0.00	0.00
INPLACE WASH UNT	UNIT	1.	70.	20.0	1400.00	112.00	100.80	14.00	226.80	0.00	14.00	14.00
OVERHEAD WASH LN	FEET	1.	14.	100.0	1400.00	112.00	100.80	14.00	226.80	0.00	0.00	0.00
VACUUM PUMP	H.P.	8.	3510.	2.0	7020.00	631.80	463.32	70.20	1165.32	0.00	21.06	21.06
MILK PUMP	H.P.	2.	702.	2.0	1404.00	126.36	92.66	14.04	233.06	0.00	4.21	4.21
MILK RECEIVER	UNIT	1.	1287.	2.0	2574.00	205.92	185.33	25.74	416.99	0.00	12.87	12.87
REFRIG BULK TANK	GAL.	3000.	22230.	1.0	22230.00	1778.40	1600.56	222.30	3601.26	0.00	44.46	44.46
FD CNVYR MTR AUT	H.P.	5.	2106.	1.0	2106.00	189.54	139.00	21.06	349.60	0.00	21.06	21.06
FEED CONVEYOR	FEET	1.	18.	1.0	18.00	1.26	1.40	0.18	2.84	0.00	0.09	0.09
DRYLOT CORRAL	HEAD	100.	17316.	6.0	103896.00	3116.88	6857.14	1038.96	11012.98	0.00	17.32	17.32
POLE BARN OPEN	SQFT	1800.	5499.	4.0	21996.00	659.88	1451.74	219.96	2331.58	0.00	0.00	0.00
20 HP PUMP-WELL	H.P.	20.	4949.	1.0	4949.00	445.41	326.63	49.49	821.53	0.00	4.95	4.95
SQUEEZE CHUTE	UNIT	1.	632.	1.0	632.00	26.86	43.61	6.32	76.79	0.00	1.58	1.58
<b>LIVESTOCK</b>												
DAIRY COW	HEAD	1.	1310.	500.	655000.00	0.00	78600.00	0.00	78600.00			
DAIRY HEIFER	HEAD	1.	1637.	9.	14733.00	0.00	1767.96	0.00	1767.96			
<b>MACHINERY</b>												
TRACTOR 50 HP			14040.00		14040.00	648.64	778.39	233.51	1660.54	1958.58	1245.40	3203.99
PICKUP 4X4			14400.00		14400.00	60.22	35.24	8.64	104.10	237.36	137.15	374.51
WAGON*			6500.00		6500.00	426.71	209.59	58.50	694.80	20.20	1010.06	1030.26
END LOADR*			2880.00		2880.00	18.64	11.00	3.11	32.75	0.31	15.30	15.61
<b>LAND</b>												
FARMS TEAD	ACRE		15000.00	30.0	450000.00		54000.00	2100.00	56100.00			
TOTALS					1451609.00	15924.73	154962.24	5344.32	176231.28	2216.45	2739.04	4955.49

TOTAL PER CWT. 19.54239 MILKING TWICE DAILY FULLY AUTOMATED  
 30 ACRE DAIRY 0.2144 2.0862 0.0719 2.3725 0.0298 0.0369 0.0667  
 DOUBLE 10 HERRINGBONE BARN  
 UPDATED 9/12/80 UC Cooperative Extension

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 475  
 COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 500 COW HERD 14,856 LBS/HD AVE. ANNUAL PRODUCTION  
 30% TURNOVER RATE CHINO VALLEY AREA

FUEL USED IN GALLONS PER HOUR

TRACTOR 50 HP 2.400  
 PICKUP 4X4 4.300

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 4X4	0.143	
MIXER WAGON*	0.440	TRACTOR 50 HP
FRONT END LOADR*	0.132	TRACTOR 50 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
TRACTOR 50 HP	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	864.000	DIESEL
PICKUP 4X4	14.333	14.333	14.333	14.333	14.333	14.333	14.333	14.333	14.333	14.333	14.333	14.333	172.000	GAS
MIXER WAGON*	52.800	52.800	52.800	52.800	52.800	52.800	52.800	52.800	52.800	52.800	52.800	52.800	633.600	DIESEL
FRONT END LOADR*	15.840	15.840	15.840	15.840	15.840	15.840	15.840	15.840	15.840	15.840	15.840	15.840	190.080	DIESEL
TOTALS	154.973	154.973	154.973	154.973	154.973	154.973	154.973	154.973	154.973	154.973	154.973	154.973	1859.680	

GALLONS FUEL BY TYPE  
 172.00 GAS  
 0.00 LP  
 1687.68 DIESEL  
 0.00 N. GAS  
 0.00 KWRS

FUEL TYPES  
 1=GAS  
 2=L.P.  
 3=DIESEL  
 4=N. GAS  
 5=ELEC.

MACHINERY OPERATIONS SUMMARY BUDGET RECORD NUMBER 475  
 COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 500 COW HERD 14,856 LBS/HD AVE. ANNUAL PRODUCTION  
 30Z TURNOVER RATE CHINO VALLEY AREA

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL,OIL, FIXED LUB.,REP. COSTS	
						PER ACRE	PER ACRE
TRACTOR 50 HP		3 FEB	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 FEB	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 FEB	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 FEB	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 MAR	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 MAR	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 MAR	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 MAR	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 APR	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 APR	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 APR	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 APR	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 MAY	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 MAY	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 MAY	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 MAY	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 JUNE	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 JUNE	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 JUNE	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 JUNE	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 JULY	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 JULY	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 JULY	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 JULY	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 AUG	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 AUG	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 AUG	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 AUG	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 SEPT	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 SEPT	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 SEPT	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 SEPT	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 OCT	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 OCT	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 OCT	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 OCT	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 NOV	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 NOV	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 NOV	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 NOV	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 DEC	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 DEC	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 DEC	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 DEC	*****	7.260	6.000	29.91	17.56
TRACTOR 50 HP		3 JAN	30.00	36.000	30.000	*****	67.39
PICKUP 4X4		14 JAN	*****	4.000	3.333	31.21	8.68
MIXER WAGON*	3,	46 JAN	*****	24.200	20.000	*****	*****
FRONT END LOADR*	3,	52 JAN	*****	7.260	6.000	29.91	17.56

TOTALS  
 30 ACRE DAIRY  
 DOUBLE 10 HERRINGBONE BARN

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MILKING TWICE DAILY

FULLY AUTOMATED

UPDATED 9/12/80

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 475  
 COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 500 COW HERD 14,856 LBS/HD AVE. ANNUAL PRODUCTION  
 30% TURNOVER RATE CHINO VALLEY AREA

INCOME ABOVE VARIABLE COSTS

WHEN THE PRICE OF MILK, GRADE A RANGES FROM 10.74 TO 13.14  
 AND THE QUANTITY OF MILK, GRADE A RANGES FROM 69424.00 TO 79136.00

QUANTITY OF MILK, GRADE	PRICE OF MILK, GRADE A				
	10.74	11.34	11.94	12.54	13.14
69424.00 *	-28609.09	13045.31	54699.71	96354.11	138008.51
71852.00 *	-2532.37	40578.83	83690.03	126801.23	169912.43
74280.00 *	23544.35	68112.35	112680.35	157248.35	201816.35
76708.00 *	49621.07	95645.87	141670.67	187695.47	233720.27
79136.00 *	75697.79	123179.39	170660.99	218142.59	265624.19

INCOME ABOVE ALL CASH COSTS

WHEN THE PRICE OF MILK, GRADE A RANGES FROM 10.74 TO 13.14  
 AND THE QUANTITY OF MILK, GRADE A RANGES FROM 69424.00 TO 79136.00

QUANTITY OF MILK, GRADE	PRICE OF MILK, GRADE A				
	10.74	11.34	11.94	12.54	13.14
69424.00 *	-33953.41	7700.99	49355.39	91009.79	132664.19
71852.00 *	-7876.69	35234.51	78345.71	121456.91	164568.11
74280.00 *	18200.03	62768.03	107336.03	151904.03	196472.03
76708.00 *	44276.75	90301.55	136326.35	182351.15	228375.95
79136.00 *	70353.47	117835.07	165316.67	212798.27	260279.87

INCOME ABOVE ALL COSTS

WHEN THE PRICE OF MILK, GRADE A RANGES FROM 10.74 TO 13.14  
 AND THE QUANTITY OF MILK, GRADE A RANGES FROM 69424.00 TO 79136.00

QUANTITY OF MILK, GRADE	PRICE OF MILK, GRADE A				
	10.74	11.34	11.94	12.54	13.14
69424.00 *	-204840.37	-163185.97	-121531.57	-79877.17	-38222.77
71852.00 *	-178763.65	-135652.45	-92541.25	-49430.05	-6318.85
74280.00 *	-152686.93	-108118.93	-63550.93	-18982.93	25585.07
76708.00 *	-126610.21	-80585.41	-34560.61	11464.19	57488.99
79136.00 *	-100533.49	-53051.89	-5570.29	41911.31	89392.91

30 ACRE DAIRY  
 DOUBLE 10 HERRINGBONE BARN

MILKING TWICE DAILY  
 FULLY AUTORATED

UPDATED 9/12/80

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 475  
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 500 COW HERD 14,856 LBS/HD AVE. ANNUAL PRODUCTION  
 30% TURNOVER RATE CHINO VALLEY AREA

INCOME ABOVE VARIABLE COSTS

WHEN THE PRICE OF CALVES, BULL AND THE QUANTITY OF CALVES, BULL		RANGES FROM	48.61 TO	60.61		
		RANGES FROM	200.00 TO	300.00		
		PRICE OF CALVES, BULL				
		48.61	51.61	54.61	57.61	60.61
*****						
QUANTITY OF CALVES, BUL	200.00 *	108749.85	109349.85	109949.85	110549.85	111149.85
	*					
	225.00 *	109965.10	110640.10	111315.10	111990.10	112665.10
	*					
	250.00 *	111180.35	111930.35	112680.35	113430.35	114180.35
	*					
	275.00 *	112395.60	113220.60	114045.60	114870.60	115695.60
	*					
	300.00 *	113610.85	114510.85	115410.85	116310.85	117210.85
	*					

INCOME ABOVE ALL CASH COSTS

WHEN THE PRICE OF CALVES, BULL AND THE QUANTITY OF CALVES, BULL		RANGES FROM	48.61 TO	60.61		
		RANGES FROM	200.00 TO	300.00		
		PRICE OF CALVES, BULL				
		48.61	51.61	54.61	57.61	60.61
*****						
QUANTITY OF CALVES, BUL	200.00 *	103405.53	104005.53	104605.53	105205.53	105805.53
	*					
	225.00 *	104620.78	105295.78	105970.78	106645.78	107320.78
	*					
	250.00 *	105836.03	106586.03	107336.03	108086.03	108836.03
	*					
	275.00 *	107051.28	107876.28	108701.28	109526.28	110351.28
	*					
	300.00 *	108266.53	109166.53	110066.53	110966.53	111866.53
	*					

INCOME ABOVE ALL COSTS

WHEN THE PRICE OF CALVES, BULL AND THE QUANTITY OF CALVES, BULL		RANGES FROM	48.61 TO	60.61		
		RANGES FROM	200.00 TO	300.00		
		PRICE OF CALVES, BULL				
		48.61	51.61	54.61	57.61	60.61
*****						
QUANTITY OF CALVES, BUL	200.00 *	-67481.43	-66881.43	-66281.43	-65681.43	-65081.43
	*					
	225.00 *	-66266.18	-65591.18	-64916.18	-64241.18	-63566.18
	*					
	250.00 *	-65050.93	-64300.93	-63550.93	-62800.93	-62050.93
	*					
	275.00 *	-63835.68	-63010.68	-62185.68	-61360.68	-60535.68
	*					
	300.00 *	-62620.43	-61720.43	-60820.43	-59920.43	-59020.43
	*					

30 ACRE DAIRY  
 DOUBLE 10 HERRINGBONE BARN

MILKING TWICE DAILY

FULLY AUTOMATED

UPDATED 9/12/80

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 475  
 COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 500 COW HERD 14,856 LBS/HD AVE. ANNUAL PRODUCTION  
 30% TURNOVER RATE CHINO VALLEY AREA

INCOME ABOVE VARIABLE COSTS  
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 106.51 TO 130.11  
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 233.00 TO 333.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	106.51	112.41	118.31	124.21	130.11
233.00	104015.45	105390.15	106764.85	108139.55	109514.25
258.00	106678.20	108200.40	109722.60	111244.80	112767.00
283.00	109340.95	111010.65	112680.35	114350.05	116019.75
308.00	112003.70	113820.90	115638.10	117455.30	119272.50
333.00	114666.45	116631.15	118595.85	120560.55	122525.25

INCOME ABOVE ALL CASH COSTS  
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 106.51 TO 130.11  
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 233.00 TO 333.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	106.51	112.41	118.31	124.21	130.11
233.00	98671.13	100045.83	101420.53	102795.23	104169.93
258.00	101333.88	102856.08	104378.28	105900.48	107422.68
283.00	103996.63	105666.33	107336.03	109005.73	110675.43
308.00	106659.38	108476.58	110293.78	112110.98	113928.18
333.00	109322.13	111286.83	113251.53	115216.23	117180.93

INCOME ABOVE ALL COSTS  
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 106.51 TO 130.11  
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 233.00 TO 333.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	106.51	112.41	118.31	124.21	130.11
233.00	-72215.83	-70841.13	-69466.43	-68091.73	-66717.03
258.00	-69553.08	-68030.88	-66508.68	-64986.48	-63464.28
283.00	-66890.33	-65220.63	-63550.93	-61881.23	-60211.53
308.00	-64227.58	-62410.38	-60593.18	-58775.98	-56958.78
333.00	-61564.83	-59600.13	-57635.43	-55670.73	-53706.03

30 ACRE DAIRY  
 DOUBLE 10 HERRINGBONE BARN

MILKING TWICE DAILY  
 FULLY AUTOMATED

UPDATED 9/12/80

STORED DATA PAGE (NO CALCULATIONS) FOR DAIRY ANIMALS

BUDGET RECORD NUMBER 475

COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 500 COW HERD 14,856 LBS/HD AVE. ANNUAL PRODUCTION  
 30Z TURNOVER RATE CHINO VALLEY AREA

COSTS AND RETURNS WILL BE  
 DIVIDED BY 74280.0 CWT.  
 TO OBTAIN PER CWT. COSTS

LINE	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	13 PRICE	14 WEIGHT	15 UNIT CODE	16 ITEM CODE	17 TYPE	18 YEAR	
PRODUCTION	NUMBER OF UNITS																		
1 MILK, GRADE A	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	11.940	500.000	16.	91.	2.	0.	
2 CALVES, BULL	20.00	21.00	21.00	21.00	21.00	21.00	20.00	21.00	21.00	21.00	21.00	21.00	54.610	1.000	1.	27.	2.	0.	
3 CALVES, HEIFER	20.00	21.00	21.00	21.00	21.00	21.00	20.00	21.00	21.00	21.00	21.00	37.00	38.00	118.310	1.000	1.	29.	2.	0.

OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER UNITS	UNIT CODE	ITEM CODE	TYPE	YEAR
11 DRY ROUGHAGE	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	102.340	500.000	1.	196.	3.	2.
12 WET ROUGHAGE	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	22.750	500.000	1.	197.	3.	0.
13 CONCENTRATES	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	332.160	500.000	1.	198.	3.	2.
14 MILKERS	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	7.850	500.000	1.	328.	3.	0.
15 HIRED LABOR	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	4.840	500.000	1.	332.	3.	0.
16 FAMILY MILKR	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.270	500.000	1.	339.	3.	0.
17 FAMILY LABOR	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.690	500.000	1.	331.	3.	0.
18 REPLACE. HEIFER	12.00	13.00	12.00	13.00	12.00	13.00	12.00	13.00	12.00	13.00	12.00	13.00	290.330	1.000	1.	33.	3.	0.
19 MANURE HAULING	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	12.000	500.000	1.	485.	3.	0.
20 TAXES & INS.	0.25	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	16.340	500.000	1.	439.	3.	0.
21 MARKETING	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	12.38	0.510	500.000	16.	478.	3.	0.
22 MISCL EXPENSE	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.790	500.000	1.	400.	3.	0.

MACHINERY REQUIREMENTS	TIRES OVER												PRICE	LABOR	POWER UNIT	MACH CODE	TYPE	YEAR
38 TRACTOR 50 HP	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	0.000	0.000	0.	3.	4.	0.
39 PICKUP 4X4	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.000	0.000	0.	14.	4.	0.
40 MIXER WAGON*	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	0.000	0.000	3.	46.	4.	0.
41 FRONT END LOADR*	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	0.000	0.000	3.	52.	4.	0.

EQUIPMENT REQUIREMENTS	NUMBER UNITS	PROPORT OF COST	XXX EQUIP CODE	TYPE	XXXX	
1 DRYLOT PIT	1.000	1.000	0.	87.	5.	0.
2 DRYLOT SWITCH	1.000	1.000	0.	89.	5.	0.
32 SUMP PUMP 15 HP	1.000	1.000	0.	90.	5.	0.
33 ROTARY AGITATOR	1.000	1.000	0.	91.	5.	0.
34 SPRINKLER SYSTEM	500.000	1.000	0.	92.	5.	0.
51 HBRONE-DBL 10	1.000	1.000	0.	3.	5.	0.
52 CROWD GATE	1.000	1.000	0.	11.	5.	0.
53 MILKING UNIT	20.000	1.000	0.	17.	5.	0.
54 AUTO DETACHER	20.000	1.000	0.	18.	5.	0.
55 3" SS PIPELINE	100.000	1.000	0.	20.	5.	0.
56 VACUUM LINE	120.000	1.000	0.	21.	5.	0.
57 INPLACE WASH UNT	20.000	1.000	0.	22.	5.	0.
58 OVERHEAD WASH LN	100.000	1.000	0.	23.	5.	0.
59 VACUUA PUMP	2.000	1.000	0.	24.	5.	0.
60 MILK PUMP	2.000	1.000	0.	25.	5.	0.
61 MILK RECEIVER	2.000	1.000	0.	26.	5.	0.
62 REFRIG BULK TANK	1.000	1.000	0.	29.	5.	0.
63 FD CRVYR ATR AUT	1.000	1.000	0.	53.	5.	0.
64 FEED CONVEYOR	1.000	1.000	0.	54.	5.	0.
65 DRYLOT CORRAL	6.000	1.000	0.	62.	5.	0.
66 POLE BARN OPEN	4.000	1.000	0.	64.	5.	0.
67 20 HP PUMP-WELL	1.000	1.000	0.	75.	5.	0.
68 SQUEEZE CHUTE	1.000	1.000	0.	76.	5.	0.

LIVESTOCK INVESTMENT	NUMBER UNITS	PROPORT OF COST	XXX EQUIP CODE	TYPE	XXXX	
69 DAIRY COW	500.000	1.000	0.	97.	5.	0.
70 DAIRY HEIFER	9.000	1.000	0.	98.	5.	0.

LAND REQUIREMENTS	2 CHARGE METHOD	3 PAST NAME	4 NUMBER OF ACRES	5 VALUE OR COST/ACRE	6 TAXES PER ACRE
71 FARMSTEAD	1.	150.	30.00	15000.00	70.00

ENTERPRISE 1-26 REGION/COUNTY 65 UNASSIGNED 00 INTEREST METHOD 2 UNASSIGNED 00  
 MACHINE COMP. 10 UNASSIGNED 00 EQUIPMENT SET 3 SALE NO./CYCLE LENGTH 1

GENERAL NAME CHANGE	LINE CHANGE	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL
196 DRY ROUGHAGE	197 WET ROUGHAGE	0.000000	28.	0.000000	10.	4.500000	6.	0.120000	16.	0.000000	26.	0.120000	26.

1980 default data