

COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
200 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
22% TURNOVER RATE

		MONTHLY SUMMARY OF RECEIPTS AND EXPENSES											
YEAR UNIT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
RECEIPTS	1 DOL.	36400.	36400.	35584.	36400.	36400.	35584.	36400.	36400.	35584.	36400.	36400.	35584.
OPERATING INPUTS:													
PASTURE	1 DOL.	600.	600.	1600.	1600.	1600.	0.	0.	0.	0.	0.	0.	0.
DRY ROUGHAGE	1 DOL.	3570.	3570.	3360.	3570.	3570.	3360.	3570.	3570.	3360.	3570.	3570.	3360.
WET ROUGHAGE	1 DOL.	2520.	2520.	2460.	2520.	2520.	2460.	2520.	2520.	2460.	2520.	2520.	2460.
CONCENTRATES	1 DOL.	7250.	7250.	7250.	7250.	7250.	7250.	7250.	7250.	7250.	7250.	7250.	7250.
MILKERS	1 DOL.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.
HIRED LABOR	1 DOL.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.
FAMILY MILKR	1 DOL.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.
FAMILY LABOR	1 DOL.	568.	568.	568.	568.	568.	568.	568.	568.	568.	568.	568.	568.
REPLACE. HEIFER	1 DOL.	706.	706.	529.	706.	706.	529.	706.	706.	529.	706.	706.	529.
MANURE HAULING	1 DOL.	0.	0.	288.	0.	0.	306.	306.	594.	0.	0.	306.	0.
TAXES & INS.	1 DOL.	800.	0.	0.	800.	0.	0.	800.	0.	0.	800.	0.	0.
MARKETING	1 DOL.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.
MISCL EXPENSE	1 DOL.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.
TRACTOR FUEL COST	1 DOL.	99.	99.	99.	99.	99.	99.	99.	99.	99.	99.	99.	99.
TRACT REPAIR COST	1 DOL.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
TRACTOR LUBE COST	1 DOL.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
MACHRY FUEL COST	1 DOL.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
MACHRY LUBE COST	1 DOL.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
MACH REPAIR COST	1 DOL.	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.
EQUIP REPAIR COST	1 DOL.	13.	13.	13.	13.	13.	13.	13.	13.	13.	13.	13.	13.
MACHINERY LABOR	1 DOL.	157.	157.	157.	157.	157.	157.	157.	157.	157.	157.	157.	157.
INT. ON OPER CAP.	1 DOL.	223.	223.	223.	223.	223.	223.	223.	223.	223.	223.	223.	223.

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

COST	1 DOL.	23201.	22401.	23243.	24201.	23401.	21661.	22907.	22395.	21355.	22601.	22107.	21355.
LABOR USE SUMMARY													
MACHINERY LABOR	1 HOUR	42.	42.	42.	42.	42.	42.	42.	42.	42.	42.	42.	42.
LIVESTOCK INVESTMENT AND COST SUMMARY													

NAME	UNIT	SIZE	INVESTMENT		TOTAL VALUE	COST SUMMARY					TOTAL OF COSTS	
			PURCH PRICE	NO. IN BUDGET		DEPR.	INTEREST	INS/TAXES	TOTAL OWNERSHIP	FUEL & LUBE		REPAIRS
EQUIPMENT												
BACKOUT-8 COW	HEAD	8.	35100.	1.0	35100.00	1263.60	2316.60	351.00	3931.20	0.00	21.06	21.06
MILKING UNIT	UNIT	1.	269.	4.0	1076.00	127.78	67.79	10.76	206.32	0.00	13.45	13.45
2 1/2" SS PIPELN	FEET	1.	8.	60.0	480.00	38.40	34.56	4.80	77.76	0.00	0.00	0.00
VACUUM LINE	FEET	1.	4.	60.0	240.00	19.20	17.28	2.40	38.88	0.00	0.00	0.00
VACUUM PUMP	H.P.	8.	3510.	1.0	3510.00	315.90	231.66	35.10	582.66	0.00	10.53	10.53
MILK PUMP	H.P.	2.	702.	1.0	702.00	63.18	46.33	7.02	116.53	0.00	2.11	2.11
MILK RECEIVER	UNIT	1.	1287.	1.0	1287.00	102.96	92.66	12.87	208.49	0.00	6.44	6.44
WATER HEATER	UNIT	1.	1170.	1.0	1170.00	81.90	91.26	11.70	184.86	0.00	3.51	3.51
REFRIG BULK TANK	GAL.	2000.	18720.	1.0	18720.00	1497.60	1347.84	187.20	3032.64	0.00	37.44	37.44
SILO PIT	UNIT	1.	11115.	1.0	11115.00	444.60	800.28	111.15	1356.03	0.00	0.00	0.00
BULK FEED TANK	TON	30.	3364.	1.0	3364.00	134.56	242.21	33.64	410.41	0.00	1.68	1.68
FD CNVYR ATR MAN	H.P.	2.	971.	1.0	971.00	87.39	64.09	9.71	161.19	0.00	9.71	9.71
FEED CONVEYER	FEET	1.	18.	35.0	630.00	44.10	49.14	6.30	99.54	0.00	3.15	3.15
HAYBARN W STANCH	SQFT	5400.	21060.	1.0	21060.00	596.70	1453.14	210.60	2260.44	0.00	0.00	0.00
MACH SHED 3 SDE	SQFT	450.	2925.	1.0	2925.00	65.81	193.05	29.25	288.11	0.00	0.00	0.00
SHOP	SQFT	200.	1404.	1.0	1404.00	31.59	92.66	14.04	138.29	0.00	0.00	0.00
SHOP TOOLS	UNIT	1.	1755.	1.0	1755.00	81.90	136.89	17.55	236.34	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
MOLASSES TANK	TON	10.	2340.	1.0	2340.00	210.60	154.44	23.40	388.44	0.00	0.00	0.00
LAGOON	CUFT*****		11700.	1.0	11700.00	585.00	702.00	117.00	1404.00	0.00	29.25	29.25
LAGOON PUMP	UNIT	1.	4680.	1.0	4680.00	421.20	308.88	46.80	776.88	0.00	4.68	4.68
SPRINKLER SYSTEM	FEET	1.	2. 1000.0		1630.00	81.50	122.25	16.30	220.05	0.00	1.09	1.09
LIVESTOCK												
DAIRY COW	HEAD	1.	1310.	200.	262000.00	0.00	31440.00	0.00	31440.00			
DAIRY BULL	HEAD	1.	2435.	2.	4910.00	687.40	382.98	0.00	1070.38			
MACHINERY												
TRACTOR 40 HP			11400.00		11400.00	293.90	352.69	105.81	752.40	1366.20	564.30	1930.50
PICKUP 1/2 TON			9000.00		9000.00	37.64	22.02	5.40	65.06	220.80	85.72	306.52
FRONT END LOADR*			2880.00		2880.00	3.88	2.29	0.65	6.82	0.06	3.19	3.25
LAND												
FARMSTEAD	ACRE		1200.00	200.0	240000.00		28800.00	2400.00	31200.00			
TOTALS					661630.00	7790.56	69935.24	3826.25	81552.06	1587.06	803.82	2390.89

TOTAL PER CWT. 22.78340 0.2683 2.4082 0.1318 2.8083 0.0547 0.0277 0.0823
 200 ACRE DAIRY MILKING TWICE DAILY 8 COW BACK-OUT BARN
 NOT UTILIZING AUTOMATIC TAKE OFF UNITS
 PASTURE UTILIZED

UPDATED 06/27/79

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 476
 COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
 200 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
 22% TURNOVER RATE

FUEL USED IN GALLONS PER HOUR

TRACTOR 40 HP 2.400
 PICKUP 1/2 TON 4.000

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 1/2 TON	0.133	
FRONT END LOADR*	0.132	TRACTOR 40 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 40 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	GAS
FRONT END LOADR*	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	39.600	GAS
PICKUP 1/2 TON	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	160.000	GAS
TOTALS	88.633	88.633	88.633	88.633	88.633	88.633	88.633	88.633	88.633	88.633	88.633	88.633	1063.600	

GALLONS FUEL BY TYPE

1063.60 GAS
 0.00 LP
 0.00 DIESEL
 0.00 N. GAS
 0.00 KWHRS

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

200 ACRE DAIRY MILKING TWICE DAILY 8 COW BACK-OUT BARN
 NOT UTILIZING AUTOMATIC TAKE OFF UNITS
 PASTURE UTILIZED
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UPDATED 06/27/79

UC Cooperative Extension

INCOME ABOVE VARIABLE COSTS

WHEN THE PRICE OF MILK, GRADE A RANGES FROM 12.50 TO 14.50
 AND THE QUANTITY OF MILK, GRADE A RANGES FROM 25040.00 TO 33040.00

	PRICE OF MILK, GRADE A	PRICE OF MILK, GRADE A				
		12.50	13.00	13.50	14.00	14.50

QUANTITY OF MILK, GRADE	25040.00 *	83666.07	96186.07	108706.07	121226.07	133746.07
	*					
	27040.00 *	108666.07	122186.07	135706.07	149226.07	162746.07
	*					
	29040.00 *	133666.07	148186.07	162706.07	177226.07	191746.07
	*					
	31040.00 *	158666.07	174186.07	189706.07	205226.07	220746.07
	*					
	33040.00 *	183666.07	200186.07	216706.07	233226.07	249746.07
	*					

INCOME ABOVE ALL CASH COSTS

WHEN THE PRICE OF MILK, GRADE A RANGES FROM 12.50 TO 14.50
 AND THE QUANTITY OF MILK, GRADE A RANGES FROM 25040.00 TO 33040.00

	PRICE OF MILK, GRADE A	PRICE OF MILK, GRADE A				
		12.50	13.00	13.50	14.00	14.50

QUANTITY OF MILK, GRADE	25040.00 *	79839.81	92359.81	104879.81	117399.81	129919.81
	*					
	27040.00 *	104839.81	118359.81	131879.81	145399.81	158919.81
	*					
	29040.00 *	129839.81	144359.81	158879.81	173399.81	187919.81
	*					
	31040.00 *	154839.81	170359.81	185879.81	201399.81	216919.81
	*					
	33040.00 *	179839.81	196359.81	212879.81	229399.81	245919.81
	*					

INCOME ABOVE ALL COSTS

WHEN THE PRICE OF MILK, GRADE A RANGES FROM 12.50 TO 14.50
 AND THE QUANTITY OF MILK, GRADE A RANGES FROM 25040.00 TO 33040.00

	PRICE OF MILK, GRADE A	PRICE OF MILK, GRADE A				
		12.50	13.00	13.50	14.00	14.50

QUANTITY OF MILK, GRADE	25040.00 *	2114.01	14634.01	27154.01	39674.01	52194.01
	*					
	27040.00 *	27114.01	40634.01	54154.01	67674.01	81194.01
	*					
	29040.00 *	52114.01	66634.01	81154.01	95674.01	110194.01
	*					
	31040.00 *	77114.01	92634.01	108154.01	123674.01	139194.01
	*					
	33040.00 *	102114.01	118634.01	135154.01	151674.01	168194.01
	*					

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 476
 COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
 200 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
 22% TURNOVER RATE

*** TEMPORARY BUDGET ***

INCOME ABOVE VARIABLE COSTS					
WHEN THE PRICE OF CALVES, BULL		RANGES FROM		52.75 TO	64.75
AND THE QUANTITY OF CALVES, BULL		RANGES FROM		60.00 TO	100.00
PRICE OF CALVES, BULL					
52.75 55.75 58.75 61.75 64.75					

60.00	*	161171.07	161351.07	161531.07	161711.07
	*				
70.00	*	161698.57	161908.57	162118.57	162328.57
	*				
80.00	*	162226.07	162466.07	162706.07	162946.07
	*				
90.00	*	162753.57	163023.57	163293.57	163563.57
	*				
100.00	*	163281.07	163581.07	163881.07	164481.07
	*				

INCOME ABOVE ALL CASH COSTS					
WHEN THE PRICE OF CALVES, BULL		RANGES FROM		52.75 TO	64.75
AND THE QUANTITY OF CALVES, BULL		RANGES FROM		60.00 TO	100.00
PRICE OF CALVES, BULL					
52.75 55.75 58.75 61.75 64.75					

60.00	*	157344.81	157524.81	157704.81	157884.81
	*				
70.00	*	157872.31	158082.31	158292.31	158502.31
	*				
80.00	*	158399.81	158639.81	158879.81	159119.81
	*				
90.00	*	158927.31	159197.31	159467.31	159737.31
	*				
100.00	*	159454.81	159754.81	160054.81	160354.81
	*				

INCOME ABOVE ALL COSTS					
WHEN THE PRICE OF CALVES, BULL		RANGES FROM		52.75 TO	64.75
AND THE QUANTITY OF CALVES, BULL		RANGES FROM		60.00 TO	100.00
PRICE OF CALVES, BULL					
52.75 55.75 58.75 61.75 64.75					

60.00	*	79619.01	79799.01	79979.01	80159.01
	*				
70.00	*	80146.51	80356.51	80566.51	80776.51
	*				
80.00	*	80674.01	80914.01	81154.01	81394.01
	*				
90.00	*	81201.51	81471.51	81741.51	82011.51
	*				
100.00	*	81729.01	82029.01	82329.01	82629.01
	*				

200 ACRE DAIRY MILKING TWICE DAILY 8 COW BACK-OUT BARN
 NOT UTILIZING AUTOMATIC TAKE OFF UNITS
 PASTURE UTILIZED
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UPDATED 06/27/79
 UC Cooperative Extension

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 476
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 200 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
 22% TURNOVER RATE

*** TEMPORARY BUDGET ***

INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 86.95 TO 106.95
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 60.00 TO 100.00

	PRICE OF CALVES, HEIFER				
	86.95	91.95	96.95	101.95	106.95
60.00 *	160167.07	160467.07	160767.07	161067.07	161367.07
70.00 *	161036.57	161386.57	161736.57	162086.57	162436.57
80.00 *	161906.07	162306.07	162706.07	163106.07	163506.07
90.00 *	162775.57	163225.57	163675.57	164125.57	164575.57
100.00 *	163645.07	164145.07	164645.07	165145.07	165645.07

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 86.95 TO 106.95
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 60.00 TO 100.00

	PRICE OF CALVES, HEIFER				
	86.95	91.95	96.95	101.95	106.95
60.00 *	156340.81	156640.81	156940.81	157240.81	157540.81
70.00 *	157210.31	157560.31	157910.31	158260.31	158610.31
80.00 *	158079.81	158479.81	158879.81	159279.81	159679.81
90.00 *	158949.31	159399.31	159849.31	160299.31	160749.31
100.00 *	159818.81	160318.81	160818.81	161318.81	161818.81

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 86.95 TO 106.95
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 60.00 TO 100.00

	PRICE OF CALVES, HEIFER				
	86.95	91.95	96.95	101.95	106.95
60.00 *	78615.01	78915.01	79215.01	79515.01	79815.01
70.00 *	79484.51	79834.51	80184.51	80534.51	80884.51
80.00 *	80354.01	80754.01	81154.01	81554.01	81954.01
90.00 *	81223.51	81673.51	82123.51	82573.51	83023.51
100.00 *	82093.01	82593.01	83093.01	83593.01	84093.01

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STORED DATA PAGE (NO CALCULATIONS) FOR DAIRY ANIMALS

BUDGET RECORD NUMBER 476

COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
200 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
22% TURNOVER RATE

COSTS AND RETURNS WILL BE
DIVIDED BY 29040.0 CWT.
TO OBTAIN PER CWT. COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	YEAR
	NUMBER OF UNITS																	
1 MILK, GRADE A	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	13.500	200.000	16.	91.	2.	0.
2 CALVES, BULL	7.00	7.00	6.00	7.00	7.00	6.00	7.00	7.00	6.00	7.00	7.00	6.00	58.750	1.000	1.	27.	2.	0.
3 CALVES, HEIFER	7.00	7.00	6.00	7.00	7.00	6.00	7.00	7.00	6.00	7.00	7.00	6.00	96.950	1.000	1.	29.	2.	0.
4 BEEFED COWS	4.00	4.00	3.00	4.00	4.00	3.00	4.00	4.00	3.00	4.00	4.00	3.00	44.000	15.000	16.	92.	2.	0.

OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	YEAR
														UNITS	CODE	CODE		
10 PASTURE	0.30	0.30	0.80	0.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.000	200.000	3.	140.	3.	2.
11 DRY ROUGHAGE	0.17	0.17	0.16	0.17	0.17	0.16	0.17	0.17	0.16	0.17	0.17	0.16	105.000	200.000	3.	196.	3.	2.
12 WET ROUGHAGE	0.42	0.42	0.41	0.42	0.42	0.41	0.42	0.42	0.41	0.42	0.42	0.41	30.000	200.000	3.	197.	3.	2.
13 CONCENTRATES	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	145.000	200.000	3.	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	6.320	200.000	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	3.950	200.000	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	1.100	200.000	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	2.840	200.000	1.	331.	3.	0.
18 REPLACE. HEIFER	4.00	4.00	3.00	4.00	4.00	3.00	4.00	4.00	3.00	4.00	4.00	3.00	176.400	1.000	1.	33.	3.	0.
19 MANURE HAULING	0.00	0.00	0.16	0.00	0.00	0.17	0.17	0.33	0.00	0.00	0.17	0.00	9.000	200.000	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	16.000	200.000	1.	439.	3.	0.
21 MARKETING	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	0.510	200.000	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	15.500	200.000	1.	400.	3.	0.

MACHINERY REQUIREMENTS	TIMES OVER												A CREW	POWER	MACH	TYPE	YEAR	
													LABOR	UNIT	CODE			
38 TRACTOR 40 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.	2.	4.	0.
39 FRONT END LOADR*	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	0.000	0.000	2.	52.	4.	0.
40 PICKUP 1/2 TON	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.	13.	4.	0.

EQUIPMENT REQUIREMENTS	NUMBER	PROPERT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST	CODE	CODE		
BACKOUT-8 COW	1.000	1.000	0.	7.	5.	0.
MILKING UNIT	4.000	1.000	0.	17.	5.	0.
44 2 1/2" SS PIPELN	60.000	1.000	0.	19.	5.	0.
45 VACUUM LINE	60.000	1.000	0.	21.	5.	0.
46 VACUUM PUMP	1.000	1.000	0.	24.	5.	0.
47 MILK PUMP	1.000	1.000	0.	25.	5.	0.
48 MILK RECEIVER	1.000	1.000	0.	26.	5.	0.
51 WATER HEATER	1.000	1.000	0.	27.	5.	0.
52 REFRIG BULK TANK	1.000	1.000	0.	28.	5.	0.
53 SILO PIT	1.000	1.000	0.	49.	5.	0.
54 BULK FEED TANK	1.000	1.000	0.	51.	5.	0.
55 FD CNVYR MTR MAN	1.000	1.000	0.	52.	5.	0.
56 FEED CONVEYOR	35.000	1.000	0.	54.	5.	0.
57 HAYBARN W STANCH	1.000	1.000	0.	68.	5.	0.
58 MACH SHED 3 SDE	1.000	1.000	0.	67.	5.	0.
59 SHOP	1.000	1.000	0.	69.	5.	0.
60 SHOP TOOLS	1.000	1.000	0.	70.	5.	0.
61 20 HP PUMP-WELL	1.000	1.000	0.	75.	5.	0.
62 SQUEEZE CHUTE	1.000	1.000	0.	76.	5.	0.
63 MOLASSES TANK	1.000	1.000	0.	78.	5.	0.
64 LAGOON	1.000	1.000	0.	85.	5.	0.
65 LAGOON PUMP	1.000	1.000	0.	86.	5.	0.
66 SPRINKLER SYSTEM	*****	1.000	0.	92.	5.	0.

LIVESTOCK INVESTMENT						
67 DAIRY COW	200.000	1.000	0.	97.	5.	0.
68 DAIRY BULL	2.000	1.000	0.	99.	5.	0.

COLUMNS --->	2	3	4	5	6
LAND REQUIREMENTS	CHARGE	PAST	NUMBER	VALUE OR	TAXES
	METHOD	NAME	OF ACRES	COST/ACRE	PER ACRE
71 FARMSTEAD	1.	150.	200.00	1200.00	0.00

ENTERPRISE 1-26 REGION/COUNTY 49 UNASSIGNED 00 INTEREST METHOD-2 UNASSIGNED 00
MACHINE COMP. 10 UNASSIGNED 01 EQUIPMENT SET 3 SALE NO./CYCLE LENGTH 1

200 ACRE DAIRY MILKING TWICE DAILY 8 COW BACK-OUT BARN
NOT UTILIZING AUTOMATIC TAKE OFF UNITS
PASTURE UTILIZED

UPDATED 06/27/79 MACHINERY COMPLEMENT 10
EQUIPMENT COMPLEMENT 3

GENERAL NAME CHANGE-->	LINE CHANGE	VALUE	RW CL	LINE CHANGE	VALUE	RW CL	LINE CHANGE	VALUE	RW CL	LINE CHANGE	VALUE	RW CL	LINE CHANGE	VALUE	RW CL
196 DRY ROUGHAGE	197 WET ROUGHAGE	198 CONCENTRATES	339 FAMILY MILKR	439 TAXES & INS.											

DATE PRINTED: 08/20/81

COST AND RETURNS SUMMARY FOR DAIRY ANIMALS BUDGET RECORD NUMBER 478
 COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
 375 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
 22% TURNOVER RATE

ITEM	WEIGHT EACH	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST	YOUR COST
1. GROSS RECEIPTS						
MILK, GRADE A	375.00	CWT.	12.050	145,200	656122.50	
CALVES, BULL	1.00	HEAD	58.750	187,000	10986.25	
CALVES, HEIFER	1.00	HEAD	96.950	187,000	18122.65	
TOTAL					685238.40	
GROSS INCOME PER CWT.						12.5847
2. VARIABLE COSTS						
FEED COSTS						
PASTURE		HEAD	1.000	25837.500	25837.50	
DRY ROUGHAGE		TON	91.000	1575.000	143325.00	
WET ROUGHAGE		TON	25.850	1485.000	38387.25	
CONCENTRATES		TON	138.900	1125.000	156262.50	
TOTAL FEED COST					363812.25	
OTHER COSTS						
MILKERS		HEAD	6.320	4500.000	28440.00	
HIRE LABOR		HEAD	3.950	4500.000	17775.00	
FAMILY MILK		HEAD	1.100	4500.000	4950.00	
FAMILY LABOR		HEAD	2.840	4500.000	12780.00	
REPLACE. HEIFER		HEAD	176.400	82.000	14464.80	
MANURE HAULING		HEAD	9.000	375.000	3375.00	
TAXES & INS.		HEAD	16.000	375.000	6000.00	
MARKETING		CWT.	0.510	54450.000	27769.50	
RISCL EXPENSE		HEAD	15.500	4500.000	69750.00	
TRACTORS (FUEL-LUBE-REP)		DOL.			4293.43	
MACHINERY (FUEL-LUBE-REP)		DOL.			504.14	
EQUIPMENT (FUEL-LUBE-REP)		DOL.			178.28	
LABOR: TRACTOR & MACHINERY		HRS.	3.750	1057.14	3964.28	
INTEREST ON OPER. CAP.		DOL.	0.12000	46504.73	5580.52	
TOTAL VARIABLE COSTS					563637.27	
VAR. COST PER CWT.						10.3515
3. INCOME ABOVE OPERATING COSTS					121601.13	
INCOME PER CWT.						2.2333
4. OVERHEAD						
PERSONAL PROPERTY TAXES					269.78	
REAL PROPERTY TAXES					4109.27	
TOTAL OVERHEAD					4379.05	
OVERHEAD COST PER CWT.						0.0804
TOTAL CASH EXPENSE					568016.31	
CASH EXPENSE PER CWT.						10.4319
5. INCOME ABOVE CASH COSTS					117222.09	
INCOME PER CWT.						2.1528
6. FIXED COSTS						
CAPITAL & INTEREST						
INT. ON LIVESTOCK CAPITAL		DOL.	0.12000	496037.25	59524.47	
INT. ON EQUIPMENT CAPITAL		DOL.	0.12000	95494.40	11459.33	
INT. ON MACHINERY CAPITAL		DOL.	0.12000	7556.32	906.76	
INT. ON FARASTEAD		DOL.	0.12000	240000.00	28800.00	
TOTAL INTEREST					100690.56	
DEPRECIATION						
DEPR. ON LIVESTOCK		DOL.			1031.10	
DEPR. ON EQUIPMENT		DOL.			7640.80	
DEPR. ON MACHINERY		DOL.			825.40	
TOTAL DEPRECIATION					9497.30	
TOTAL FIXED COSTS					110187.86	
FIXED COSTS PER CWT.						2.0237
7. TOTAL COSTS					678204.17	
TOTAL COST PER CWT.						12.4555
8. NET RETURNS					7034.23	
NET RETURNS PER CWT.						0.1292

200 ACRE DAIRY MILKING TWICE DAILY
 PASTURE UTILIZED

FLAT BARN
 DATE PRINTED: 09/13/80 CYCLE LENGTH(MOS.): 1 PRODUCTION UNIT 54450.00 CWT.
 1980 default data

UPDATED 9/13/80

		MONTHLY SUMMARY OF RECEIPTS AND EXPENSES											
YEAR UNIT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL RECEIPTS	1 DOL.	57012.	57168.	57012.	57168.	57012.	57168.	57012.	57168.	57012.	57168.	57168.	57168.
OPERATING INPUTS:													
PASTURE	1 DOL.	975.	2325.	4800.	6938.	6938.	2306.	600.	0.	113.	263.	225.	356.
DRY ROUGHAGE	1 DOL.	11944.	11944.	11944.	11944.	11944.	11944.	11944.	11944.	11944.	11944.	11944.	11944.
WET ROUGHAGE	1 DOL.	3199.	3199.	3199.	3199.	3199.	3199.	3199.	3199.	3199.	3199.	3199.	3199.
CONCENTRATES	1 DOL.	13022.	13022.	13022.	13022.	13022.	13022.	13022.	13022.	13022.	13022.	13022.	13022.
MILKERS	1 DOL.	2370.	2370.	2370.	2370.	2370.	2370.	2370.	2370.	2370.	2370.	2370.	2370.
HIRED LABOR	1 DOL.	1481.	1481.	1481.	1481.	1481.	1481.	1481.	1481.	1481.	1481.	1481.	1481.
FAMILY MILK	1 DOL.	413.	413.	413.	413.	413.	413.	413.	413.	413.	413.	413.	413.
FAMILY LABOR	1 DOL.	1065.	1065.	1065.	1065.	1065.	1065.	1065.	1065.	1065.	1065.	1065.	1065.
REPLACE. HEIFER	1 DOL.	1058.	1235.	1235.	1235.	1235.	1235.	1058.	1235.	1235.	1235.	1235.	1235.
MANURE HAULING	1 DOL.	0.	0.	0.	0.	0.	574.	574.	1114.	0.	0.	574.	0.
TAXES & INS.	1 DOL.	1500.	0.	0.	1500.	0.	0.	1500.	0.	0.	1500.	0.	0.
MARKETING	1 DOL.	2314.	2314.	2314.	2314.	2314.	2314.	2314.	2314.	2314.	2314.	2314.	2314.
MISCL EXPENSE	1 DOL.	5813.	5813.	5813.	5813.	5813.	5813.	5813.	5813.	5813.	5813.	5813.	5813.
TRACTOR FUEL COST	1 DOL.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.
TRACT REPAIR COST	1 DOL.	105.	105.	105.	105.	105.	105.	105.	105.	105.	105.	105.	105.
TRACTOR LUBE COST	1 DOL.	33.	33.	33.	33.	33.	33.	33.	33.	33.	33.	33.	33.
MACHRY FUEL COST	1 DOL.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
MACHRY LUBE COST	1 DOL.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
MACH REPAIR COST	1 DOL.	23.	23.	23.	23.	23.	23.	23.	23.	23.	23.	23.	23.
EQUIP REPAIR COST	1 DOL.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
MACHINERY LABOR	1 DOL.	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.
INT. ON OPER CAP.	1 DOL.	465.	465.	465.	465.	465.	465.	465.	465.	465.	465.	465.	465.

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

COST	1 DOL.	46363.	46390.	49405.	52502.	51002.	46945.	46562.	45179.	44177.	45827.	44864.	44421.
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		LABOR USE SUMMARY											
MACHINERY LABOR		1 HOUR	88.	88.	88.	88.	88.	88.	88.	88.	88.	88.	88.

LIVESTOCK INVESTMENT AND COST SUMMARY

NAME	UNIT	SIZE	INVESTMENT			TOTAL VALUE	DEPR.	INTEREST	COST SUMMARY			TOTAL OF COSTS
			PURCH PRICE	NO. IN BUDGET	TOTAL				INS/TAXES	TOTAL OWNERSHIP	FUEL & LUBE	
EQUIPMENT												
FLAT BARN-40/SDE	HEAD	80.	87750.	1.0	87750.00	3159.00	5791.50	877.50	9828.00	0.00	52.65	52.65
MILKING UNIT	UNIT	1.	269.	8.0	2152.00	255.55	135.58	21.52	412.65	0.00	26.90	26.90
2 1/2" SS PIPELM	FEET	1.	8.	180.0	1440.00	115.20	103.68	14.40	233.28	0.00	0.00	0.00
VACUUM LINE	FEET	1.	4.	180.0	720.00	57.60	51.84	7.20	116.64	0.00	0.00	0.00
VACUUM PUMP	H.P.	8.	3510.	1.0	3510.00	315.90	231.66	35.10	582.66	0.00	10.53	10.53
MILK PUMP	H.P.	2.	702.	1.0	702.00	63.18	46.33	7.02	116.53	0.00	2.11	2.11
MILK RECEIVER	UNIT	1.	1287.	1.0	1287.00	102.96	92.66	12.87	208.49	0.00	6.44	6.44
WATER HEATER	UNIT	1.	1170.	1.0	1170.00	81.90	91.26	11.70	184.86	0.00	3.51	3.51
FD CHVYR MTR MAN	H.P.	2.	971.	1.0	971.00	87.39	64.09	9.71	161.19	0.00	9.71	9.71
SILO PIT	UNIT	1.	11115.	1.0	11115.00	444.60	800.28	111.15	1356.03	0.00	0.00	0.00
BULK FEED TANK	TON	30.	3364.	1.0	3364.00	134.56	242.21	33.64	410.41	0.00	1.68	1.68
FD CHVYR MTR MAN	H.P.	2.	971.	1.0	971.00	87.39	64.09	9.71	161.19	0.00	9.71	9.71
FEED CONVEYOR	FEET	1.	18.	150.0	2700.00	189.00	210.60	27.00	426.60	0.00	13.50	13.50
HAYBARN W STANCH	SOFT	5400.	21060.	1.0	21060.00	596.70	1453.14	210.60	2260.44	0.00	0.00	0.00
MACH SHED 3 SDE	SOFT	450.	2925.	1.0	2925.00	65.81	193.05	29.25	288.11	0.00	0.00	0.00
SHOP	SOFT	200.	1404.	1.0	1404.00	31.59	92.66	14.04	138.29	0.00	0.00	0.00
SHOP TOOLS	UNIT	1.	1755.	1.0	1755.00	81.90	136.89	17.55	236.34	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
MOLASSES TANK	TON	10.	2340.	1.0	2340.00	210.60	154.44	23.40	388.44	0.00	0.00	0.00
LAGOON	CUFT*****	1.	11700.	1.0	11700.00	585.00	702.00	117.00	1404.00	0.00	29.25	29.25
LAGOON PUMP	UNIT	1.	4680.	1.0	4680.00	421.20	308.88	46.80	776.88	0.00	4.68	4.68
SPRINKLER SYSTEM	FEET	1.	2.	1000.0	1630.00	81.50	122.25	16.30	220.05	0.00	1.09	1.09
LIVESTOCK												
DAIRY COW	HEAD	1.	1310.	375.	491250.00	0.00	58950.00	0.00	58950.00			
DAIRY BULL	HEAD	1.	2455.	3.	7365.00	1031.10	574.47	0.00	1605.57			
MACHINERY												
TRACTOR 40 HP			11400.00		11400.00	653.64	784.39	235.31	1673.33	3038.43	1255.00	4293.43
PICKUP 1/2 TON			9000.00		9000.00	37.64	22.02	5.40	65.06	220.80	85.72	306.52
FRONT END LOADR*			2880.00		2880.00	13.98	8.25	2.33	24.56	0.23	11.48	11.70
SELF-UNLOAD WAG*			3960.00		3960.00	120.14	92.10	26.73	238.97	3.65	182.30	185.94
LAND												
FARMS TEAD	ACRE		1200.00	200.0	240000.00		28800.00	2400.00	31200.00			
TOTALS					936782.00	9497.30	100690.56	4379.05	114566.90	3263.10	1712.77	4975.88

TOTAL PER CNT.			17.20444	0.1744	1.8492	0.0804	2.1041	0.0599	0.0315	0.0914
200 ACRE DAIRY MILKING TWICE DAILY										
PASTURE UTILIZED										
FLAT BARN										

UPDATED 9/13/80

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 478
 COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
 375 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
 22% TURNOVER RATE

FUEL USED IN GALLONS PER HOUR

TRACTOR 40 HP 2.400
 PICKUP 1/2 TON 4.000

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 1/2 TON	0.133	
FRONT END LOADR*	0.132	TRACTOR 40 HP
SELF-UNLOAD WAG*	0.440	TRACTOR 40 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 40 HP	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	120.000	1440.000	GAS
FRONT END LOADR*	11.880	11.880	11.880	11.880	11.880	11.880	11.880	11.880	11.880	11.880	11.880	11.880	142.560	GAS
PICKUP 1/2 TON	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	13.333	160.000	GAS
SELF-UNLOAD WAG*	39.600	39.600	39.600	39.600	39.600	39.600	39.600	39.600	39.600	39.600	39.600	39.600	475.200	GAS
TOTALS	184.813	184.813	184.813	184.813	184.813	184.813	184.813	184.813	184.813	184.813	184.813	184.813	2217.760	

GALLONS FUEL BY TYPE
 2217.76 GAS
 0.00 LP
 0.00 DIESEL
 0.00 N. GAS
 0.00 KWHR

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

MACHINERY OPERATIONS SUMMARY BUDGET RECORD NUMBER 478
 COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
 375 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
 222 TURNOVER RATE

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
TRACTOR 40 HP		2 FEB	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 FEB	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 FEB	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 FEB	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 MAR	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 MAR	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 MAR	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 MAR	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 APR	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 APR	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 APR	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 APR	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 MAY	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 MAY	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 MAY	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 MAY	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 JUNE	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 JUNE	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 JUNE	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 JUNE	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 JULY	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 JULY	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 JULY	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 JULY	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 AUG	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 AUG	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 AUG	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 AUG	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 SEPT	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 SEPT	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 SEPT	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 SEPT	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 OCT	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 OCT	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 OCT	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 OCT	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 NOV	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 NOV	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 NOV	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 NOV	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 DEC	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 DEC	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 DEC	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 DEC	90.00	18.150	15.000	92.72	50.01
TRACTOR 40 HP		2 JAN	50.00	60.000	50.000	*****	91.20
FRONT END LOADR*	2,	52 JAN	90.00	5.445	4.500	24.14	11.08
PICKUP 1/2 TON		13 JAN	*****	4.000	3.333	25.54	5.42
SELF-UNLOAD WAG*	2,	45 JAN	90.00	18.150	15.000	92.72	50.01

TOTALS ***** ***** ***** *****
 200 ACRE DAIRY MILKING TWICE DAILY
 PASTURE UTILIZED
 FLAT BARN

UPDATED 9/13/80

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 478
 COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
 375 COW HERD 14,320 LBS/HD AVE. ANNUAL PRODUCTION
 22% TURNOVER RATE

INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF MILK, GRADE A AND THE QUANTITY OF MILK, GRADE A

		RANGES FROM	10.85 TO	13.25		
		RANGES FROM	43560.00 TO	65340.00		
	PRICE OF MILK, GRADE A					
	10.85	11.45	12.05	12.65	13.25	

QUANTITY OF MILK, GRADE	43560.00	-61895.37	-35759.37	-9623.37	16512.63	42648.63
	49005.00	-2817.12	26585.88	55988.88	85391.88	114794.88
	54450.00	56261.13	88931.13	121601.13	154271.13	186941.13
	59895.00	115339.38	151276.38	187213.38	223150.38	259087.38
	65340.00	174417.63	213621.63	252825.63	292029.63	331233.63

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF MILK, GRADE A AND THE QUANTITY OF MILK, GRADE A

		RANGES FROM	10.85 TO	13.25		
		RANGES FROM	43560.00 TO	65340.00		
	PRICE OF MILK, GRADE A					
	10.85	11.45	12.05	12.65	13.25	

QUANTITY OF MILK, GRADE	43560.00	-66274.41	-40138.41	-14002.41	12133.59	38269.59
	49005.00	-7196.16	22206.84	51609.84	81012.84	110415.84
	54450.00	51882.09	84552.09	117222.09	149892.09	182562.09
	59895.00	110960.34	146897.34	182834.34	218771.34	254708.34
	65340.00	170038.59	209242.59	248446.59	287650.59	326854.59

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF MILK, GRADE A AND THE QUANTITY OF MILK, GRADE A

		RANGES FROM	10.85 TO	13.25		
		RANGES FROM	43560.00 TO	65340.00		
	PRICE OF MILK, GRADE A					
	10.85	11.45	12.05	12.65	13.25	

QUANTITY OF MILK, GRADE	43560.00	-176462.27	-150326.27	-124190.27	-98054.27	-71918.27
	49005.00	-117384.02	-87981.02	-58578.02	-29175.02	227.98
	54450.00	-58305.77	-25635.77	7034.23	39704.23	72374.23
	59895.00	772.48	36709.48	72646.48	108583.48	144520.48
	65340.00	59858.73	99054.73	138258.73	177462.73	216666.73

200 ACRE DAIRY MILKING TWICE DAILY
 PASTURE UTILIZED
 FLAT BARN

UPDATED 9/13/80

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 478
 COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
 375 COW HERD 14,520 LBS/HO AVE. ANNUAL PRODUCTION
 22% TURNOVER RATE

INCOME ABOVE VARIABLE COSTS						
WHEN THE PRICE OF CALVES, BULL		RANGES FROM		52.87 TO	64.63	
AND THE QUANTITY OF CALVES, BULL		RANGES FROM		149.00 TO	225.00	
PRICE OF CALVES, BULL						
		52.87	55.81	58.75	61.69	64.63

QUANTITY OF CALVES, BUL	149.00	* 118492.51	* 118930.57	* 119368.63	* 119806.69	* 120244.75
		* *	* *	* *	* *	* *
	168.00	* 119497.04	* 119990.96	* 120484.88	* 120978.80	* 121472.72
		* *	* *	* *	* *	* *
	187.00	* 120501.57	* 121051.35	* 121601.13	* 122150.91	* 122700.69
		* *	* *	* *	* *	* *
	206.00	* 121506.10	* 122111.74	* 122717.38	* 123323.02	* 123928.66
		* *	* *	* *	* *	* *
	225.00	* 122510.63	* 123172.13	* 123833.63	* 124495.13	* 125156.63
		* *	* *	* *	* *	* *

INCOME ABOVE ALL CASH COSTS						
WHEN THE PRICE OF CALVES, BULL		RANGES FROM		52.87 TO	64.63	
AND THE QUANTITY OF CALVES, BULL		RANGES FROM		149.00 TO	225.00	
PRICE OF CALVES, BULL						
		52.87	55.81	58.75	61.69	64.63

QUANTITY OF CALVES, BUL	149.00	* 114113.47	* 114551.53	* 114989.59	* 115427.65	* 115865.71
		* *	* *	* *	* *	* *
	168.00	* 115118.00	* 115611.92	* 116105.84	* 116599.76	* 117093.68
		* *	* *	* *	* *	* *
	187.00	* 116122.53	* 116672.31	* 117222.09	* 117771.87	* 118321.65
		* *	* *	* *	* *	* *
	206.00	* 117127.06	* 117732.70	* 118338.34	* 118943.98	* 119549.62
		* *	* *	* *	* *	* *
	225.00	* 118131.59	* 118793.09	* 119454.59	* 120116.09	* 120777.59
		* *	* *	* *	* *	* *

INCOME ABOVE ALL COSTS						
WHEN THE PRICE OF CALVES, BULL		RANGES FROM		52.87 TO	64.63	
AND THE QUANTITY OF CALVES, BULL		RANGES FROM		149.00 TO	225.00	
PRICE OF CALVES, BULL						
		52.87	55.81	58.75	61.69	64.63

QUANTITY OF CALVES, BUL	149.00	* 3925.61	* 4363.67	* 4801.73	* 5239.79	* 5677.85
		* *	* *	* *	* *	* *
	168.00	* 4930.14	* 5424.06	* 5917.98	* 6411.90	* 6905.82
		* *	* *	* *	* *	* *
	187.00	* 5934.67	* 6484.45	* 7034.23	* 7584.01	* 8133.79
		* *	* *	* *	* *	* *
	206.00	* 6939.20	* 7544.84	* 8150.48	* 8756.12	* 9361.76
		* *	* *	* *	* *	* *
	225.00	* 7943.73	* 8605.23	* 9266.73	* 9928.23	* 10589.73
		* *	* *	* *	* *	* *

200 ACRE DAIRY MILKING TWICE DAILY
 PASTURE UTILIZED
 FLAT BARN

UPDATED 9/13/80

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 478
 COMMERCIAL DAIRY PRODUCTION IN THE NORTH BAY REGION 1979-80
 375 COW HERO 14,520 LBS/HD AVE. ANNUAL PRODUCTION
 22% TURNOVER RATE

INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF CALVES, HEIFER 87.25 TO 106.65
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM RANGES FROM 149.00 TO 225.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	87.25	92.10	96.95	101.80	106.65

149.00	116471.73	117194.38	117917.03	118639.68	119362.33
168.00	118129.48	118944.28	119759.08	120573.88	121388.68
187.00	119787.23	120694.18	121601.13	122508.08	123415.03
206.00	121444.98	122444.08	123443.18	124442.28	125441.38
225.00	123102.73	124193.98	125285.23	126376.48	127467.73

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF CALVES, HEIFER 87.25 TO 106.65
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM RANGES FROM 149.00 TO 225.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	87.25	92.10	96.95	101.80	106.65

149.00	112092.69	112815.34	113537.99	114260.64	114983.29
168.00	113750.44	114565.24	115380.04	116194.84	117009.64
187.00	115408.19	116315.14	117222.09	118129.04	119035.99
206.00	117065.94	118065.04	119064.14	120063.24	121062.34
225.00	118723.69	119814.94	120906.19	121997.44	123088.69

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF CALVES, HEIFER 87.25 TO 106.65
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM RANGES FROM 149.00 TO 225.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	87.25	92.10	96.95	101.80	106.65

149.00	1904.83	2627.48	3350.13	4072.78	4795.43
168.00	3562.58	4377.38	5192.18	6006.98	6821.78
187.00	5220.33	6127.28	7034.23	7941.18	8848.13
206.00	6878.08	7877.18	8876.28	9875.38	10874.48
225.00	8535.83	9627.08	10718.33	11809.58	12900.83

200 ACRE DAIRY MILKING TWICE DAILY
 PASTURE UTILIZED
 FLAT BARN

UPDATED 9/13/80

STORED DATA PAGE (NO CALCULATIONS) FOR DAIRY ANIMALS

BUDGET RECORD NUMBER 478

COMMERCIAL DAIRY PRODUCTION IN THE-NORTH BAY REGION 1979-80
375 COW HERD 14,520 LBS/HD AVE. ANNUAL PRODUCTION
22X TURNOVER RATE

COSTS AND RET WILL BE
DIVIDED BY CWT. COSTS
TO OBTAIN PER CWT. COSTS

LINE PRODUCTION	NUMBER OF UNITS												PRICE	WEIGHT UNIT	LBS PER CWT	ITEM TYPE	YEAR
	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC					
1 MILK, GRADE A	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.050	375.000	16.00	91.2	0.
2 CALVES, BULL	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	16.00	16.00	58.750	1.000	1.27	2.	0.
3 CALVES, HEIFER	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	16.00	16.00	94.950	1.000	1.29	2.	0.

OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER UNITS	ITEM TYPE	YEAR		
	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC						
10 PASTURE	2.60	6.20	12.80	18.50	18.50	6.15	1.60	0.00	0.30	0.70	0.60	0.95	1.600	375.000	1.140	3.	2.	
11 DRY ROUGHAGE	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	91.000	375.000	3.196	3.	2.	
12 WET ROUGHAGE	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	25.850	375.000	3.197	3.	2.	
13 CONCENTRATES	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	251.348	375.000	3.198	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	6.320	375.000	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	3.950	375.000	1.332	3.	0.	
16 FAMILY MILK	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.100	375.000	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	2.840	375.000	1.331	3.	0.	
18 REPLACE. HEIFER	6.00	7.00	7.00	7.00	7.00	7.00	6.00	7.00	7.00	7.00	7.00	7.00	7.00	178.400	1.000	1.33	3.	0.
19 RUMOR HAULING	0.00	0.00	0.16	0.00	0.00	0.17	0.17	0.33	0.00	0.00	0.17	0.00	9.000	375.000	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	16.000	375.000	1.439	3.	0.	
21 MARKETING	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	0.510	375.000	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	15.500	375.000	1.408	3.	0.	

MACHINERY REQUIREMENTS	TIMES OVER												A CREW	POWER UNIT	RACH TYPE	YEAR	
	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC					
38 TRACTOR 40 HP	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	0.000	0.000	0.	4.	0.
39 FRONT END LOADER	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.000	0.000	0.	4.	0.
40 PICKUP 1/2 TON	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.	4.	0.
41 SELF-UNLOAD WAG	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.000	0.000	2.	45.	4.

EQUIPMENT REQUIREMENTS	NUMBER UNITS	PROPORT OF COST	XXX TYPE	TYPE XXXX		
					4	5
42 FLAT BARN-40/SDE	1.000	1.000	0.	6.	5.	0.
43 MILKING UNIT	8.000	1.000	0.	17.	5.	0.
44 2 1/2" SS PIPELM	180.000	1.000	0.	19.	5.	0.
45 VACUUM LINE	180.000	1.000	0.	21.	5.	0.
46 VACUUM PUMP	1.000	1.000	0.	24.	5.	0.
47 MILK PUMP	1.000	1.000	0.	25.	5.	0.
48 MILK RECEIVER	1.000	1.000	0.	26.	5.	0.
51 WATER HEATER	1.000	1.000	0.	27.	5.	0.
52 FD CAVYR ATR RAN	1.000	1.000	0.	52.	5.	0.
53 SILO PIT	1.000	1.000	0.	49.	5.	0.
54 BULK FEED TANK	1.000	1.000	0.	31.	5.	0.
55 FD CAVYR ATR RAN	1.000	1.000	0.	52.	5.	0.
56 FEED CONVEYOR	150.000	1.000	0.	34.	5.	0.
57 HAYBARN W STANCH	1.000	1.000	0.	66.	5.	0.
58 RACH SHED 3 SDE	1.000	1.000	0.	67.	5.	0.
59 SHOP	1.000	1.000	0.	69.	5.	0.
60 SHOP TOOLS	1.000	1.000	0.	70.	5.	0.
61 20 HP PUMP-WELL	1.000	1.000	0.	75.	5.	0.
62 SQUEEZE CHUTE	1.000	1.000	0.	76.	5.	0.
63 ROLASSES TANK	1.000	1.000	0.	79.	5.	0.
64 LAGOON	1.000	1.000	0.	8.	0.	0.
65 LAGOON PUMP	1.000	1.000	0.	8.	0.	0.
66 SPRINKLER SYSTEM	*****	1.000	0.	92.	0.	0.

LIVESTOCK INVESTMENT	PRICE	WEIGHT UNIT	LBS PER CWT	ITEM TYPE	YEAR	
67 DAIRY COW	375.000	1.000	0.	97.	5.	0.
68 DAIRY BULL	3.000	1.000	0.	99.	5.	0.

LAND REQUIREMENTS	CHARGE METHOD	PAST NAME	NUMBER OF ACRES	5 VALUE OR COST/ACRE	6 TAXES PER ACRE
71 FARMSTEAD	1.	150.	200.00	1200.00	0.00

ENTERPRISE 1-26 REGION/COUNTY 49 UNASSIGNED 00 INTEREST METHOD 2 UNASSIGNED 00
MACHINE COMP. 10 UNASSIGNED 11 EQUIPMENT SET 3 SALE NO./CYCLE LENGTH 1
200 LBS DAIRY MILKING TWICE DAILY
PASTURE UTILIZED
FLAT BARN

GENERAL NAME CHANGE->	LINE CHANGE 196 DRY ROUGHAGE		LINE CHANGE 197 WET ROUGHAGE		LINE CHANGE 198 CONCENTRATES		LINE CHANGE 339 FAMILY MILK		LINE CHANGE 439 TAXES & INS.	
	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE	RM CL	VALUE
EQUIP CORP CHGS->24.2.		7.500000								
PARAMETER CHGS->13.		0.000000+6.		0.000000-26.		3.120000	6.	0.120000		

1990 default data

1979-1980 California Dairy Budgets

The intent of the 1979-1980 Dairy Budgets is to provide standardized operating input information for the different production regions in California in order to facilitate possible regional comparisons and analyses. To simplify future updating, the budgets are primarily comprised of data obtained from the Bureau of Milk Stabilization survey information for the months Mar.-Dec. (1979) and Jan.-Feb. (1980), unless otherwise stated. Not all items composing the pooled costs, such as marketing or miscellaneous expenses, were reported in the individual survey information. These representative costs for each region may be itemized by contacting the farm advisor. To be consistent, these budgets are regionalized in a manner similar to BMS's with the following herd sizes:

Humboldt-Del Norte	115
North Bay	200, 375
South Bay	150, 300
North Valley	125, 250, 400
South Valley	250, 400, 900
Southern California	250, 500, 900

Assumptions made in the budgets are as follows:

1. The 1979 annual average milk production (per cow) for each region was distributed evenly throughout the year.
2. The blend price of milk will be used, obtained by dividing total receipts F.O.B. to the plant by # of cwts. shipped for each region. Figures will be for straight (non F.C.) milk.
3. Income from heifer and bull calf sales was determined on 100% calving percentage, 50/50 ratio. Prices received were those reported through the BMS survey information.
4. An average monthly consumption rate (ton/hd) was determined for dry roughage, wet roughage and concentrates. Feed prices are the average reported \$/ton figures.
5. Milker and hired labor wages are averages which include cash wage, prerequisites, and employment taxes. Family labor does not include employment taxes and is otherwise the same for each respective wage. Hours per cow was calculated as:

= average total hours per month/total # cows
(as reported for each region)
6. Figures for taxes on milk production and insurance (fire and liability) are for 1979-1980 and are on a per cwt. basis.

7. The cost for replacement heifers is based on the following formula:

$$= \frac{\text{(purchase price of replacement - cull cow income)}}{\text{x turnover rate}}$$

The figure is equivalent to the accounting method of calculating depreciation of the herd + gain/loss on sale of cows. Turnover rate includes culls and mortality losses.

8. Marketing costs include pooling, fluid milk, dairy council, mkt'g. order, inspection fee, 1st and 2nd haul, association fees, and plant charges, if any. The figure is a straight average mkt'g. cost based on cwt. per cow, depending on the region.
9. Manure hauling costs are average figures determined by BMS.
10. Miscellaneous expense is the average general operating costs per cow which includes power, butane, telephone, DHIA, vet. & med., artificial insemination, salt & minerals, clipping, hoof trimming, and bedding, if any.
11. All other costs on the budget will be calculated by the generator, based on type of machinery and equipment used.