

CASH FLOW & INVESTMENT SUMMARY FOR DAIRY ANIMALS

BUDGET RECORD NUMBER 477

COMMERCIAL DAIRY PRODUCTION IN THE SOUTH VALLEY PRODUCTION AREA 1979-80
 900 COW HERD 15,156 LBS/HD AVE. ANNUAL PRODUCTION
 24% TURNOVER RATE

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

YEAR UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL RECEIPTS 1 DOL.	137278.	137428.	137278.	137428.	137278.	137428.	137278.	137428.	137278.	137428.	137278.	137428.
OPERATING INPUTS:												
DRY ROUGHAGE 1 DOL.	24341.	24341.	24341.	24341.	24341.	24341.	24341.	24341.	24341.	24341.	24341.	24341.
WET ROUGHAGE 1 DOL.	8044.	8044.	8044.	8044.	8044.	8044.	8044.	8044.	8044.	8044.	8044.	8044.
CONCENTRATES 1 DOL.	36717.	36717.	36717.	36717.	36717.	36717.	36717.	36717.	36717.	36717.	36717.	36717.
MILKERS 1 DOL.	6615.	6615.	6615.	6615.	6615.	6615.	6615.	6615.	6615.	6615.	6615.	6615.
HIRED LABOR 1 DOL.	6480.	6480.	6480.	6480.	6480.	6480.	6480.	6480.	6480.	6480.	6480.	6480.
FAMILY MILK. 1 DOL.	747.	747.	747.	747.	747.	747.	747.	747.	747.	747.	747.	747.
FAMILY LABOR 1 DOL.	2205.	2205.	2205.	2205.	2205.	2205.	2205.	2205.	2205.	2205.	2205.	2205.
REPLACE. HEIFER 1 DOL.	3648.	3648.	3648.	3648.	3648.	3648.	3648.	3648.	3648.	3648.	3648.	3648.
MANURE HAULING 1 DOL.	0.	0.	3060.	0.	0.	0.	3060.	0.	0.	0.	3060.	0.
TAXES & INS. 1 DOL.	3069.	0.	0.	3069.	0.	0.	3069.	0.	0.	3069.	0.	0.
MARKETING 1 DOL.	4433.	4433.	4433.	4433.	4433.	4433.	4433.	4433.	4433.	4433.	4433.	4433.
MISCL EXPENSE 1 DOL.	12249.	12249.	12249.	12249.	12249.	12249.	12249.	12249.	12249.	12249.	12249.	12249.
TRACTOR FUEL COST 1 DOL.	467.	467.	467.	467.	467.	467.	467.	467.	467.	467.	467.	467.
TRACT REPAIR COST 1 DOL.	293.	293.	293.	293.	293.	293.	293.	293.	293.	293.	293.	293.
TRACTOR LUBE COST 1 DOL.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.
MACHRY FUEL COST 1 DOL.	17.	17.	17.	17.	17.	17.	17.	17.	17.	17.	17.	17.
MACHRY LUBE COST 1 DOL.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
MACH REPAIR COST 1 DOL.	108.	108.	108.	108.	108.	108.	108.	108.	108.	108.	108.	108.
EQUIP REPAIR COST 1 DOL.	51.	51.	51.	51.	51.	51.	51.	51.	51.	51.	51.	51.
MACHINERY LABOR 1 DOL.	783.	783.	783.	783.	783.	783.	783.	783.	783.	783.	783.	783.
INT. ON OPER CAP. 1 DOL.	1091.	1091.	1091.	1091.	1091.	1091.	1091.	1091.	1091.	1091.	1091.	1091.

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

COST 1 DOL.	111432.	108363.	111423.	111432.	108363.	108363.	114492.	108363.	108363.	111432.	111423.	108363.
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LABOR USE SUMMARY

MACHINERY LABOR 1 HOUR	209.	209.	209.	209.	209.	209.	209.	209.	209.	209.	209.	209.
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LIVESTOCK INVESTMENT AND COST SUMMARY

NAME	UNIT	SIZE	INVESTMENT			COST SUMMARY						
			PURCH PRICE	NO. IN BUDGET	TOTAL VALUE	DEPR.	INTEREST	INS/TAXES	TOTAL OWNERSHIP	FUEL & LUBE	REPAIRS	TOTAL OP COSTS
EQUIPMENT												
HBCNE-DBL 10	SQFT	6840.	81900.	2.0	163800.00	5896.80	10810.80	1842.75	18550.35	0.00	98.28	98.28
CROWD GATE	UNIT	1.	8190.	2.0	16380.00	1474.20	1081.08	184.28	2739.56	0.00	1.64	1.64
MILKING UNIT	UNIT	1.	269.	40.0	10760.00	1277.75	677.88	121.05	2076.68	0.00	134.50	134.50
AUTO DETACHER	UNIT	1.	995.	40.0	39800.00	4477.50	2626.80	447.75	7552.05	0.00	99.50	99.50
3" SS PIPELINE	FEET	1.	10.	220.0	2200.00	176.00	158.40	24.75	359.15	0.00	0.00	0.00
VACUUM LINE	FEET	1.	4.	260.0	1040.00	83.20	74.88	11.70	169.78	0.00	0.00	0.00
INPLACE WASH UNT	UNIT	1.	70.	40.0	2800.00	224.00	201.60	31.50	457.10	0.00	28.00	28.00
OVERHEAD WASH LN	FEET	1.	14.	220.0	3080.00	246.40	221.76	34.65	502.81	0.00	0.00	0.00
FEED SHED	SQFT	3600.	11349.	1.0	11349.00	510.71	749.03	127.68	1387.42	0.00	5.67	5.67
BULK FEED TANK	TON	30.	3364.	2.0	6728.00	269.12	484.42	75.69	829.23	0.00	3.36	3.36
VACUUM PUMP	H.P.	8.	3510.	2.0	7020.00	631.80	463.32	78.98	1174.10	0.00	21.06	21.06
MILK PUMP	H.P.	2.	702.	4.0	2808.00	252.72	185.33	31.59	469.64	0.00	8.42	8.42

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 477
 COMMERCIAL DAIRY PRODUCTION IN THE SOUTH VALLEY PRODUCTION AREA 1979-80
 900 COW HERD 15,156 LBS/HD AVE. ANNUAL PRODUCTION
 24% TURNOVER RATE

FUEL USED IN GALLONS PER HOUR

TRACTOR 40 HP 2.400
 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	192.000	192.000	192.000	192.000	192.000	192.000	192.000	192.000	192.000	192.000	192.000	192.000	2304.000	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*	59.400	59.400	59.400	59.400	59.400	59.400	59.400	59.400	59.400	59.400	59.400	59.400	712.800	DIESEL
FRONT END LOADR*	17.820	17.820	17.820	17.820	17.820	17.820	17.820	17.820	17.820	17.820	17.820	17.820	213.840	DIESEL
TRACTOR 40 HP	144.000	144.000	144.000	144.000	144.000	144.000	144.000	144.000	144.000	144.000	144.000	144.000	1728.000	GAS
TOTALS	427.553	427.553	427.553	427.553	427.553	427.553	427.553	427.553	427.553	427.553	427.553	427.553	5130.640	

ONS FUEL BY TYPE
 0.00 GAS
 0.00 LP
 3230.64 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
 COMMERCIAL DAIRY PRODUCTION IN THE SOUTH VALLEY PRODUCTION AREA 1979-80
 900 COW HERD 15,156 LBS/HO AVE. ANNUAL PRODUCTION
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BUDGET RECORD NUMBER 477

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
TRACTOR 50 HP		3 FEB	80.00	96.000	80.000	****	****
PICKUP 4X4		14 FEB	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 FEB	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 FEB	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 FEB	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 MAR	80.00	96.000	80.000	****	****
PICKUP 4X4		14 MAR	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 MAR	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 MAR	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 MAR	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 APR	80.00	96.000	80.000	****	****
PICKUP 4X4		14 APR	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 APR	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 APR	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 APR	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 MAY	80.00	96.000	80.000	****	****
PICKUP 4X4		14 MAY	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 MAY	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 MAY	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 MAY	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 JUNE	80.00	96.000	80.000	****	****
PICKUP 4X4		14 JUNE	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 JUNE	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 JUNE	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 JUNE	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 JULY	80.00	96.000	80.000	****	****
PICKUP 4X4		14 JULY	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 JULY	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 JULY	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 JULY	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 AUG	80.00	96.000	80.000	****	****
PICKUP 4X4		14 AUG	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 AUG	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 AUG	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 AUG	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 SEPT	80.00	96.000	80.000	****	****
PICKUP 4X4		14 SEPT	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 SEPT	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 SEPT	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 SEPT	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 OCT	80.00	96.000	80.000	****	****
PICKUP 4X4		14 OCT	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 OCT	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 OCT	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 OCT	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 NOV	80.00	96.000	80.000	****	****
PICKUP 4X4		14 NOV	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 NOV	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 NOV	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 NOV	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 DEC	80.00	96.000	80.000	****	****
PICKUP 4X4		14 DEC	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 DEC	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 DEC	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 DEC	60.00	72.000	60.000	****	94.05
TRACTOR 50 HP		3 JAN	80.00	96.000	80.000	****	****
PICKUP 4X4		14 JAN	****	4.000	3.333	31.21	7.96
MIXER WAGON*	3,	46 JAN	****	27.225	22.500	****	****
FRONT END LOADR*	3,	52 JAN	****	8.168	6.750	33.65	17.11
TRACTOR 40 HP		2 JAN	60.00	72.000	60.000	****	94.05

TOTALS ***** ***** ***** *****
 REPLACEMENT COST=FRESH COW COST - CULL COW INCOME X REPLACEMENT COST
 2-DOUBLE 10 HERRINGBONE BARN, UTILIZING ATO'S
 AUTHOR: DIANA DOUGLAS

Updated 9/16/80

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 477
 COMMERCIAL DAIRY PRODUCTION IN THE SOUTH VALLEY PRODUCTION AREA 1979-80
 900 COW HERD 15,156 LBS/HD AVE. ANNUAL PRODUCTION
 24% TURNOVER RATE

INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF CALVES, BULL RANGES FROM 10.43 TO 12.75
 AND THE QUANTITY OF CALVES, BULL RANGES FROM 109116.00 TO 163692.00

	PRICE OF CALVES, BULL					
	10.43	11.01	11.59	12.17	12.75	
*****	*****	*****	*****	*****	*****	
QUANTITY OF Milk, grade	109116.00	-116413.76	-53126.48	10160.80	73448.08	136735.36
	122760.00	25893.16	97093.96	168294.76	239495.56	310696.36
	136404.00	168200.08	247314.40	326428.72	405543.04	484657.36
	150048.00	310507.00	397534.84	484562.68	571590.52	658618.36
	163692.00	452813.92	547755.28	642696.64	737638.00	832579.36

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF CALVES, BULL RANGES FROM 10.43 TO 12.75
 AND THE QUANTITY OF CALVES, BULL RANGES FROM 109116.00 TO 163692.00

	PRICE OF CALVES, BULL					
	10.43	11.01	11.59	12.17	12.75	
*****	*****	*****	*****	*****	*****	
QUANTITY OF Milk, grade	109116.00	-123868.00	-60580.72	2706.56	65993.84	129281.12
	122760.00	18438.92	89639.72	160840.52	232041.32	303242.12
	136404.00	160745.84	239860.16	318974.48	398088.80	477203.12
	150048.00	303052.76	390080.60	477108.44	564136.28	651164.12
	163692.00	445359.68	540301.04	635242.40	730183.76	825125.12

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF CALVES, BULL RANGES FROM 10.43 TO 12.75
 AND THE QUANTITY OF CALVES, BULL RANGES FROM 109116.00 TO 163692.00

	PRICE OF CALVES, BULL					
	10.43	11.01	11.59	12.17	12.75	
*****	*****	*****	*****	*****	*****	
QUANTITY OF Milk, grade	109116.00	-351290.90	-288003.62	-224716.34	-161429.06	-98141.78
	122760.00	-208983.98	-137783.18	-66582.38	4618.42	75819.22
	136404.00	-66677.06	12437.26	91551.58	170665.90	249780.22
	150048.00	75629.86	162657.70	249685.54	336713.38	423741.22
	163692.00	217936.78	312878.14	407819.50	502760.86	597702.22

REPLACEMENT COST=FRESH COW COST - CULL COW INCOME X REPLACEMENT COST
 2-DOUBLE 10 HERRINGBONE BARNS, UTILIZING ATO'S
 AUTHOR: DIANA DOUGLAS

Updated 9/10/80

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INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF CALVES, BULL AND THE QUANTITY OF CALVES, BULL

QUANTITY OF CALVES, BULL	RANGES FROM RANGES FROM		45.39 TO 360.00 TO	55.39 540.00	
	PRICE OF CALVES, BULL	PRICE OF CALVES, BULL	45.39	52.89	
360.00	320093.62	320993.62	321893.62	322793.62	323693.62
405.00	322136.17	323146.67	324161.17	325173.67	326186.17
450.00	324178.72	325303.72	326428.72	327553.72	328678.72
495.00	326221.27	327458.77	328696.27	329933.77	331171.27
540.00	328263.82	329613.82	330963.82	332313.82	333663.82

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF CALVES, BULL AND THE QUANTITY OF CALVES, BULL

QUANTITY OF CALVES, BULL	RANGES FROM RANGES FROM		45.39 TO 360.00 TO	55.39 540.00	
	PRICE OF CALVES, BULL	PRICE OF CALVES, BULL	45.39	52.89	55.39
360.00	312639.38	313539.38	314439.38	315339.38	316239.38
405.00	314681.93	315694.43	316706.93	317719.43	318731.93
450.00	316724.48	317849.48	318974.48	320099.48	321224.48
495.00	318767.03	320004.53	321242.03	322479.53	323717.03
540.00	320809.58	322159.58	323509.58	324859.58	326209.58

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF CALVES, BULL AND THE QUANTITY OF CALVES, BULL

QUANTITY OF CALVES, BULL	RANGES FROM RANGES FROM		45.39 TO 360.00 TO	55.39 540.00	
	PRICE OF CALVES, BULL	PRICE OF CALVES, BULL	45.39	52.89	55.39
360.00	85216.48	86116.48	87016.48	87916.48	88816.48
405.00	87259.03	88271.53	89284.03	90296.53	91309.03
450.00	89301.58	90426.58	91551.58	92676.58	93801.58
495.00	91344.13	92581.63	93819.13	95056.63	96294.13
540.00	93386.68	94736.68	96086.68	97436.68	98786.68

REPLACEMENT COST=FRESH COW COST - CULL COW INCOME X REPLACEMENT COST
 2-DOUBLE 10 HERRINGBONE BARNS, UTILIZING ATO'S
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INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 89.20 TO 109.20
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 360.00 TO 540.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	89.20	94.20	99.20	104.20	109.20
360.00	313900.72	315700.72	317500.72	319300.72	321100.72
405.00	317914.72	319939.72	321964.72	323989.72	326014.72
450.00	321928.72	324178.72	326428.72	328678.72	330928.72
495.00	325942.72	328417.72	330892.72	333367.72	335842.72
540.00	329956.72	332656.72	335356.72	338056.72	340756.72

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 89.20 TO 109.20
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 360.00 TO 540.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	89.20	94.20	99.20	104.20	109.20
360.00	306446.48	308246.48	310046.48	311846.48	313646.48
405.00	310460.48	312485.48	314510.48	316535.48	318560.48
450.00	314474.48	316724.48	318974.48	321224.48	323474.48
495.00	318488.48	320963.48	323438.48	325913.48	328388.48
540.00	322502.48	325202.48	327902.48	330602.48	333302.48

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF CALVES, HEIFER RANGES FROM 89.20 TO 109.20
 AND THE QUANTITY OF CALVES, HEIFER RANGES FROM 360.00 TO 540.00

QUANTITY OF CALVES, HEI	PRICE OF CALVES, HEIFER				
	89.20	94.20	99.20	104.20	109.20
360.00	79023.58	80823.58	82623.58	84423.58	86223.58
405.00	83037.58	85062.58	87087.58	89112.58	91137.58
450.00	87051.58	89301.58	91551.58	93801.58	96051.58
495.00	91065.58	93540.58	96015.58	98490.58	100965.58
540.00	95079.58	97779.58	100479.58	103179.58	105879.58

REPLACEMENT COST=FRESH COW COST - CULL COW INCOME X REPLACEMENT COST
 2-DOUBLE 10 HERRINGBONE BARNs, UTILIZING ATO'S
 AUTHOR: DIANA DOUGLAS

updated 9/16/80

STORED DATA PAGE (NO CALCULATIONS) FOR DAIRY ANIMALS

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 24% TURNOVER RATE

COSTS AND RETURNS WILL BE
 DIVIDED BY 136404.0 CWT.
 TO OBTAIN PER CWT. COSTS

LINE PRODUCTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	YEAR		
	NUMBER OF UNITS																			
1 CALVES, BULL	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	11.590	900.000	16.	27.	2.	0.		
2 CALVES, BULL	37.00	38.00	37.00	38.00	37.00	38.00	37.00	38.00	37.00	38.00	37.00	38.00	50.390	1.000	1.	27.	2.	0.		
3 CALVES, HEIFER	37.00	38.00	37.00	38.00	37.00	38.00	37.00	38.00	37.00	38.00	37.00	38.00	99.200	1.000	1.	29.	2.	0.		
	OPERATING INPUTS																			
	RATE/UNIT												PRICE		NUMBER UNIT		ITEM TYPE		YEAR	
													UNITS		CODE		CODE			
11 DRY ROUGHAGE	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	96.590	900.000	3.	196.	3.	2.		
12 WET ROUGHAGE	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	21.800	900.000	3.	197.	3.	2.		
13 CONCENTRATES	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30135.990	900.000	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	7.350	900.000	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	7.200	900.000	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	0.830	900.000	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	2.450	900.000	1.	331.	3.	0.		
18 REPLACE. HEIFER	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	202.650	1.000	1.	33.	3.	0.		
19 MANURE HAULING	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	3.400	900.000	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	13.640	900.000	1.	439.	3.	0.		
21 MARKETING	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	12.63	0.390	900.000	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	13.610	900.000	1.	400.	3.	0.		

MACHINERY REQUIREMENTS

TIMES OVER

R CREW POWER MACH TYPE YEAR
LABOR UNIT CODE

38 TRACTOR 50 HP	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	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*	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	0.000	0.000	3.	46.	4.	0.
41 FRONT END LOADR*	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	0.000	0.000	3.	52.	4.	0.
42 TRACTOR 40 HP	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	0.000	0.000	0.	2.	4.	0.

EQUIPMENT REQUIREMENTS

NUMBER PROPOR XXX EQUIP TYPE XXXX
UNITS OF COST CODE

30 H BONE-DBL 10	2.000	1.000	0.	3.	5.	0.
31 CROWD GATE	2.000	1.000	0.	11.	5.	0.
32 MILKING UNIT	40.000	1.000	0.	17.	5.	0.
33 AUTO DETACHER	40.000	1.000	0.	18.	5.	0.
34 3" SS PIPELINE	220.000	1.000	0.	20.	5.	0.
35 VACUUM LINE	260.000	1.000	0.	21.	5.	0.
36 INPLACE WASH UNT	40.000	1.000	0.	22.	5.	0.
37 OVERHEAD WASH LN	220.000	1.000	0.	23.	5.	0.
46 FEED SHED	1.000	1.000	0.	48.	5.	0.
47 BULK FEED TANK	2.000	1.000	0.	51.	5.	0.
51 VACUUM PUMP	2.000	1.000	0.	24.	5.	0.
52 MILK PUMP	4.000	1.000	0.	25.	5.	0.
53 MILK RECEIVER	4.000	1.000	0.	26.	5.	0.
54 WATER HEATER	2.000	1.000	0.	27.	5.	0.
55 SILO TANK	1.000	1.000	0.	32.	5.	0.
56 SILO PIT	1.000	1.000	0.	49.	5.	0.
57 FD CHVYR MTR AUT	2.000	1.000	0.	53.	5.	0.

UC Cooperative Extension

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:
$$= \frac{\text{average total hours per month}}{\text{total \# cows}}$$

(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.