

STORED DATA PAGE (NO CALCULATIONS) FOR DAIRY ANIMALS

BUDGET RECORD NUMBER 466

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

COSTS AND RETURNS WILL BE  
DIVIDED BY 133704.0 CWT.  
TO OBTAIN PER CWT. COSTS

LINE	NUMBER OF UNITS												PRICE	WEIGHT	UNIT	ITEM	TYPE	YEAR
	1	2	3	4	5	6	7	8	9	10	11	12						
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
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	900.000	16.	91.	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	54.610	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	118.310	1.000	1.	29.	2.	0.

OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	YEAR	
	1	2	3	4	5	6	7	8	9	10	11	12							
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	0.38102	340	900.000	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	0.36	22.750	900.000	1.	197.	3.	2.
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	0.33132	160	900.000	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	1.00	7.850	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	4.840	900.000	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	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	0.690	900.000	1.	331.	3.	0.	
18 REPLACE. HEIFER	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	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	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	16.340	900.000	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	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	13.790	900.000	1.	400.	3.	0.	

MACHINERY REQUIREMENTS	TIMES OVER												PRICE	NUMBER	UNIT	ITEM	TYPE	YEAR
	1	2	3	4	5	6	7	8	9	10	11	12						
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*	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	0.000	0.000	3.	46.	4.	0.
41 FRONT END LOADER*	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	0.000	0.000	3.	52.	4.	0.

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
30 SUMP PIT	1.000	1.000	0.	87.	5.	0.
31 FLOAT 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 HBONE-DBL 10	2.000	1.000	0.	3.	5.	0.
52 CROWD GATE	2.000	1.000	0.	11.	5.	0.
53 MILKING UNIT	40.000	1.000	0.	17.	5.	0.
54 AUTO DETACHER	40.000	1.000	0.	18.	5.	0.
55 3" SS PIPELINE	200.000	1.000	0.	20.	5.	0.
56 VACUUM LINE	220.000	1.000	0.	21.	5.	0.
57 INPLACE WASH UNT	40.000	1.000	0.	22.	5.	0.
58 OVERHEAD WASH LN	200.000	1.000	0.	23.	5.	0.
59 VACUUM PUMP	4.000	1.000	0.	24.	5.	0.
60 MILK PUMP	4.000	1.000	0.	25.	5.	0.
61 MILK RECEIVER	4.000	1.000	0.	26.	5.	0.
62 SILO TANK	1.000	1.000	0.	31.	5.	0.
63 FD CNVYR RTR AUT	2.000	1.000	0.	53.	5.	0.
64 FEED CONVEYOR	200.000	1.000	0.	54.	5.	0.
65 DRYLOT CORRAL	10.000	1.000	0.	62.	5.	0.
66 POLE BARN OPEN	8.000	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	PRICE	NUMBER	UNIT	ITEM	TYPE	YEAR
70 DAIRY BULL	9.000	1.000	0.	99.	5.	0.

LAND REQUIREMENTS

CHARGE	PAST	NUMBER	VALUE OR	TAXES
METHOD	NAME	OF ACRES	COST/ACRE	PER ACRE
71 FARSTEAD	1.	150.	50.00	15000.00
ENT	USE 1-26 REGION/COUNTY 65 UNASSIGNED 00	INTEREST METHOD 2 UNASSIGNED 00		
MAL	COMP. 10 UNASSIGNED 00	EQUIPMENT SET 3 SALE NO./CYCLE LENGTH 1		

50 ACRE DAIRY MILKING TWICE DAILY  
2-COUBLE 10 HERRINGBONE COMMON MILK HOUSE  
FULLY AUTOMATED

UPDATED 05/08/80

MACHINERY COMPLEMENT 10  
EQUIPMENT COMPLEMENT 3

LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE	LINE CHANGE	GENERAL NAME CHANGE
196	DRY ROUGHAGE	197	WET ROUGHAGE	198	CONCENTRATES	339	FAMILY MILKR	439	TAXES & INS.

UC Cooperative Extension

PARAMETER CHGS	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE	RW	CL	VALUE
13			0.000000	6		0.120000	26		0.120000	28		0.000000	10		4.500000

1980 default data

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 466  
 COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 900 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	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*	118.800	118.800	118.800	118.800	118.800	118.800	118.800	118.800	118.800	118.800	118.800	118.800	1425.600	DIESEL
FRONT END LOADR*	35.640	35.640	35.640	35.640	35.640	35.640	35.640	35.640	35.640	35.640	35.640	35.640	427.680	DIESEL
TOTALS	360.773	360.773	360.773	360.773	360.773	360.773	360.773	360.773	360.773	360.773	360.773	360.773	4329.280	

GALLONS FUEL BY TYPE

172.00 GAS  
 0.00 LP  
 4157.28 DIESEL  
 0.00 N. GAS  
 0.00 KWHR

FUEL TYPES

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

UC Cooperative Extension

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 466  
 COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 900 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 106964.00 TO 160444.00

PRICE OF MILK, GRADE A

10.74 11.34 11.94 12.54 13.14

*****					
QUANTITY OF MILK, GRADE	10.74	11.34	11.94	12.54	13.14
106964.00	* -265299.48	* -201121.08	* -136942.68	* -72764.28	* -8585.88
120334.00	* -121705.68	* -49505.28	* 22695.12	* 94895.52	* 167095.92
133704.00	* 21888.12	* 102110.52	* 182332.92	* 262555.32	* 342777.72
147074.00	* 165481.92	* 253726.32	* 341970.72	* 430215.12	* 518459.52
160444.00	* 309075.72	* 405342.12	* 501608.52	* 597874.92	* 694141.32
	*	*	*	*	*

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 106964.00 TO 160444.00

PRICE OF MILK, GRADE A

10.74 11.34 11.94 12.54 13.14

*****					
QUANTITY OF MILK, GRADE	10.74	11.34	11.94	12.54	13.14
106964.00	* -274728.29	* -210549.89	* -146371.49	* -82193.09	* -18014.69
120334.00	* -131134.49	* -58934.09	* 13266.31	* 85466.71	* 157667.11
133704.00	* 12459.31	* 92681.71	* 172904.11	* 253126.51	* 333348.91
147074.00	* 156053.11	* 244297.51	* 332541.91	* 420786.31	* 509030.71
160444.00	* 299646.91	* 395913.31	* 492179.71	* 588446.11	* 684712.51
	*	*	*	*	*

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 106964.00 TO 160444.00

PRICE OF MILK, GRADE A

10.74 11.34 11.94 12.54 13.14

*****					
QUANTITY OF MILK, GRADE	10.74	11.34	11.94	12.54	13.14
106964.00	* -576425.72	* -512247.32	* -448068.92	* -383890.52	* -319712.12
120334.00	* -432831.92	* -360631.52	* -288431.12	* -216230.72	* -144030.32
133704.00	* -289238.12	* -209015.72	* -128793.32	* -48570.92	* 31651.48
147074.00	* -145644.32	* -57399.92	* 30844.48	* 119088.88	* 207333.28
160444.00	* -2050.52	* 94215.88	* 190482.28	* 286748.68	* 383015.08
	*	*	*	*	*

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 466  
 COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80  
 900 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	49.21 TO	60.01		
		RANGES FROM	360.00 TO	540.00		
	PRICE OF CALVES, BULL					
	49.21	51.91	54.61	57.31	60.01	
	*****					
	360.00 *	175474.02	176446.02	177418.02	178390.02	179362.02
	*					
	405.00 *	177688.47	178781.97	179875.47	180968.97	182062.47
	*					
QUANTITY OF CALVES, BUL	450.00 *	179902.92	181117.92	182332.92	183547.92	184762.92
	*					
	495.00 *	182117.37	183453.87	184790.37	186126.87	187463.37
	*					
	540.00 *	184331.82	185789.82	187247.82	188705.82	190163.82
	*					

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

		RANGES FROM	49.21 TO	60.01		
		RANGES FROM	360.00 TO	540.00		
	PRICE OF CALVES, BULL					
	49.21	51.91	54.61	57.31	60.01	
	*****					
	360.00 *	166045.21	167017.21	167989.21	168961.21	169933.21
	*					
	405.00 *	168259.66	169353.16	170446.66	171540.16	172633.66
	*					
QUANTITY OF CALVES, BUL	450.00 *	170474.11	171689.11	172904.11	174119.11	175334.11
	*					
	495.00 *	172688.56	174025.06	175361.56	176698.06	178034.56
	*					
	540.00 *	174903.01	176361.01	177819.01	179277.01	180735.01
	*					

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

		RANGES FROM	49.21 TO	60.01		
		RANGES FROM	360.00 TO	540.00		
	PRICE OF CALVES, BULL					
	49.21	51.91	54.61	57.31	60.01	
	*****					
	360.00 *	-135652.22	-134680.22	-133708.22	-132736.22	-131764.22
	*					
	405.00 *	-133437.77	-132344.27	-131250.77	-130157.27	-129063.77
	*					
QUANTITY OF CALVES, BUL	450.00 *	-131223.32	-130008.32	-128793.32	-127578.32	-126363.32
	*					
	495.00 *	-129008.87	-127672.37	-126335.87	-124999.37	-123662.87
	*					
	540.00 *	-126794.42	-125336.42	-123878.42	-122420.42	-120962.42
	*					

50 ACRE DAIRY MILKING TWICE DAILY  
 2-COUBLE 10 HERRINGBONE CORNOR MILK HOUSE  
 FULLY AUTOMATED

UC Cooperative Extension

UPDATED 05/08/80

**RANGING ANALYSIS FOR BUDGET RECORD NUMBER 466**  
**COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80**  
**900 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 426.00 TO 474.00

PRICE OF CALVES, HEIFER

106.51 112.41 118.31 124.21 130.11

\*\*\*\*\*

QUANTITY OF  
CALVES, HEI

426.00 *	174466.68	176980.08	179493.48	182006.88	184520.28
*					
438.00 *	175744.80	178329.00	180913.20	183497.40	186081.60
*					
450.00 *	177022.92	179677.92	182332.92	184987.92	187642.92
*					
462.00 *	178301.04	181026.84	183752.64	186478.44	189204.24
*					
474.00 *	179579.16	182375.76	185172.36	187968.96	190765.56
*					

**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 426.00 TO 474.00

PRICE OF CALVES, HEIFER

106.51 112.41 118.31 124.21 130.11

\*\*\*\*\*

QUANTITY OF  
CALVES, HEI

426.00 *	165037.87	167551.27	170064.67	172578.07	175091.47
*					
438.00 *	166315.99	168900.19	171484.39	174068.59	176652.79
*					
450.00 *	167594.11	170249.11	172904.11	175559.11	178214.11
*					
462.00 *	168872.23	171598.03	174323.83	177049.63	179775.43
*					
474.00 *	170150.35	172946.95	175743.55	178540.15	181336.75
*					

**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 426.00 TO 474.00

PRICE OF CALVES, HEIFER

106.51 112.41 118.31 124.21 130.11

\*\*\*\*\*

QUANTITY OF  
CALVES, HEI

426.00 *	-136659.56	-134146.16	-131632.76	-129119.36	-126605.96
*					
438.00 *	-135381.44	-132797.24	-130213.04	-127628.84	-125044.64
*					
450.00 *	-134103.32	-131448.32	-128793.32	-126138.32	-123483.32
*					
462.00 *	-132825.20	-130099.40	-127373.60	-124647.80	-121922.00
*					
474.00 *	-131547.08	-128750.48	-125953.88	-123157.28	-120360.68
*					

MACHINERY OPERATIONS SUMMARY

BUDGET RECORD NUMBER 466

COMMERCIAL DAIRY PRODUCTION - SOUTHERN CALIFORNIA 1979-80

900 COW HERD 14,856 LBS/HD AVE. ANNUAL PRODUCTION

30% TURNOVER RATE

CHINO VALLEY AREA

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	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	8.68
RIXER WAGON*	3,	46 FEB	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 FEB	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 MAR	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 MAR	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 MAR	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 MAR	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 APR	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 APR	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 APR	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 APR	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 MAY	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 MAY	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 MAY	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 MAY	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 JUNE	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 JUNE	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 JUNE	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 JUNE	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 JULY	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 JULY	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 JULY	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 JULY	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 AUG	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 AUG	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 AUG	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 AUG	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 SEPT	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 SEPT	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 SEPT	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 SEPT	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 OCT	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 OCT	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 OCT	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 OCT	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 NOV	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 NOV	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 NOV	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 NOV	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 DEC	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 DEC	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 DEC	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 DEC	*****	16.335	13.500	67.29	39.50
TRACTOR 50 HP		3 JAN	80.00	96.000	80.000	*****	*****
PICKUP 4X4		14 JAN	*****	4.000	3.333	31.21	8.68
RIXER WAGON*	3,	46 JAN	*****	54.450	45.000	*****	*****
FRONT END LOADR*	3,	52 JAN	*****	16.335	13.500	67.29	39.50

TOTALS

\*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\*

50 ACRE DAIRY MILKING TWICE DAILY  
2-COUBLE 10 HERRINGBONE COMMON MILK HOUSE  
FULLY AUTORATED

UC Cooperative Extension

UPDATED 05/08/80