

*Placer
Dairy Management
Study - 1953*

By

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A Summary of Eight Dairy Herds

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Auburn

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LACER DAIRY MANAGEMENT STUDY

Some important factors which affect the profitability of the dairy are given below.

	Five Market Milk Dairies	Three Mfg. Milk Dairies
Average number cows	43	23
Animal units per cow	1.6	1.4
Pounds milk per cow	9,479	7,976
Pounds B.F. per cow	380	315
Average test	4.1	4.0
Value per Cwt. milk		
Price	\$5.25	\$3.87
Cost to produce	4.30	5.58
Net income	.95	-1.71
Feed per cow		
Tons hay	2.9	2.7
Tons silage	2.7	3.7
Pounds concentrate	2,775	1,961
Acres irrigated pasture	1.0	1.7
Acres range	1.1	1.9
Cost hay per ton	\$24.77	\$30.79
Cost concentrate per cwt.	4.15	3.89
Dairy investment per cow*	\$534.51	\$397.43

* Includes dairy stock, buildings, equipment, lots, and feed on hand but not pasture, cropland, or crop machinery.

The differences between the Market Milk and Manufacturing Milk Dairies as shown above is not shown as characteristic of the differences between these two types of dairies.

Market milk dairies require some additional investment in buildings and equipment but otherwise there need be no difference between the records other than that manufacturing milk prices are always below market milk prices.

The income and expenses which determine the net income are the final measures of the success of any enterprise.

	Five Market Milk Dairies	Three Mfg. Milk Dairies
Income per cow		
Milk sales	\$489.84	\$307.96
Stock sales	25.72	28.88
Misc	4.20	3.67
Change stock inventory	18.66	71.75
Total income	538.42	412.26
Cash and depreciation cost per cow		
Feed	\$260.75	\$247.88
Hired labor	41.21	1.25
Misc	46.73	43.88
Stock Bought	.63	134.42*
Depreciation	15.11	7.77
Total	364.43	435.20
Net farm income per cow	\$173.99	\$-22.94
Family labor	\$ 61.70	\$ 93.64
Interest	26.71	19.87
Management Income per cow	\$ 85.58	\$-136.45

* One manufacturing milk herd went from four to 24 milk cows during the year.

Net Farm Income is Total Income less Cash and Depreciation costs.

Management Income is Net Farm Income minus Family labor and interest.

RANGE IN NET INCOMES OF THESE RECORDS

	Market Milk		Mfg. Milk	
	Low	High	Low	High
Net Income per cow				
Net Farm Income	\$144.02	\$232.32	\$-61.18	\$53.23
Management Income	14.06	156.68	-204.49	-43.80

This is a summary of all the herds in the Dairy Management study 1953. A detailed analysis by individual herds is available at the A.E.S. office on -1. Income and Expenses per Cow, 2. Milk Production and Sales, and 3. Feed Consumption and Cost.

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217 Maple Street
Auburn, California

Placer Dairy
1953
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Placer County

INCOME AND EXPENSES PER COW

INCOME						CASH AND DEPRECIATION COSTS						NON-CASH COSTS			
Serial number	Milk sales	Stock sales	Misc.	Change stock invest.	Total	Feed	Hired labor	Misc.	Depreciation	Stock bo't	Total	Net Farm income	Family labor	Interest	Mgt. income
						Market Milk Dairies									
15	431.42	30.63	-	31.02	493.07	167.66	41.95	33.42	14.58	3.14	260.75	232.32	47.59	28.05	156.68
8	506.00	19.53	.72	6.23	520.02	260.73	51.48	49.27	14.52	-	376.00	144.02	29.42	21.95	92.65
11	567.21	33.59	6.75	31.99	639.54	322.18	98.19	44.12	27.36	-	491.85	147.69	30.48	34.76	82.45
1	500.86	21.73	2.05	.82	525.46	259.12	14.45	44.96	6.13	-	324.66	200.80	94.38	24.35	82.07
3	443.70	23.11	11.48	35.72	514.01	294.06	-	61.85	12.97	-	368.88	145.13	106.63	24.44	14.06
Av.	489.84	25.72	4.20	18.66	538.42	260.75	41.21	46.73	15.11	.63	364.43	173.99	61.70	26.71	85.58
						Manufacturing Milk Dairies									
10	324.78	69.61	1.18	80.25	315.32	206.01	3.76	41.10	11.22	-	262.09	53.23	76.87	20.16	-43.80
16	301.24	3.30	.58	268.47	573.59	184.93	-	42.06	4.23	403.25	634.47	-60.88	85.91	14.29	-161.08
7	297.85	13.72	9.26	27.02	347.85	352.67	-	48.48	7.86	-	409.03	-61.18	118.14	25.17	-204.49
Av.	307.96	28.88	3.67	71.75	412.26	247.88	1.25	43.88	7.77	134.42	435.20	-22.94	93.64	19.87	-136.45

FEED CONSUMPTION AND COST

Serial number	Av. no. Cows	Animal units per cow	Tons hay	Tons Silage	Lbs. conc.	Cost of feed bo't		% of Hay bo't	Acres per cow		
						Hay per ton	Conc per cwt.		Irrig. Pasture	Range	Total
				Market Milk Dairies							
15	59.0	1.58	1.2	.5	2241	19.81	4.27	100	1.0	-	1.0
8	69.0	1.43	1.4	9.7	2837	24.00	3.55	95	.8	.3	1.1
11	45.8	1.79	4.5	3.2	2893	23.75	4.69	80	1.2	.9	2.1
1	24.2	1.83	1.6	-	3335	31.84	4.09	100	1.2	4.1	5.3
3	19.6	1.58	5.8	-	2571	24.44	4.14	100	.8		.8
Av.	43.5	1.64	2.9	2.7	2775	24.77	4.15	95	1.0	1.1	2.1
				Manufacturing Milk Dairies							
10	31.9	1.44	2.7	-	1966	27.23	4.00	67	1.4	-	1.4
16	20.3	1.18	1.3	5.7	899	25.90	4.77	100	1.1	1.2	2.3
7	16.1	1.46	4.2	5.5	3017	39.23	2.90	24	2.5	4.7	7.2
Av.	22.8	1.36	2.7	3.7	1961	30.79	3.89	64	1.7	1.9	3.6

MILK PRODUCTION AND SALES

Serial number	Lbs. per cow		Average test	Value per lb. BF			Value per cwt. Milk			Investment per cow	% Return on invest.
	Milk	B.F.		Price	Cost	Mgt. income	Price	Cost	Mgt. income		
Market Milk Dairies											
15	7,352	336	4.6	1.28	.82	.46	5.87	3.74	2.13	561.02	32.9
8	9,540	425	4.5	1.19	.97	.22	5.30	4.33	.97	439.01	26.1
11	11,589	414	3.6	1.37	1.17	.20	4.89	4.18	.71	696.71	16.9
1	11,122	384	3.5	1.30	1.09	.21	4.50	3.76	.74	487.04	21.9
3	7,794	340	4.4	1.30	1.26	.04	5.69	5.51	.18	488.78	7.9
Av	9,479	389	4.1	1.29	1.06	.23	5.25	4.30	.95	534.51	21.1
Manufacturing Milk Dairies											
10	8,018	334	4.2	.97	1.10	-.13	4.05	4.60	-.55	403.20	---
16	7,561	313	4.1	.96	1.47	-.51	3.98	6.11	-2.13	285.70	---
7	8,350	297	3.6	1.00	1.69	-.69	3.57	6.02	-2.45	503.39	---
Av.	7,976	315	4.0	.98	1.42	-.44	3.87	5.58	-1.71	397.43	---