

1973

**SAMPLE COSTS
TO RAISE
DAIRY HEIFERS
in the San Joaquin Valley**

For Holsteins
With Initial Calf Weight
of 80 Pounds

Prepared by:

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**Agricultural Extension
University of California**

COST ANALYSIS WORKSHEET: Sample Costs To Raise Dairy Heifers, 1973.

	PER HEIFER	
	Sample Cost	Your Cost
0 TO 2 MONTHS, WEIGHT 80 TO 150 POUNDS:		
Milk substitute: 60 days, except first 3 - 45 pounds @ .256¢/pound	\$ 11.52	\$
Calf starter: 10 pounds first month + 70 pounds second month - 80 pounds @ \$7/cwt.	5.60	
Alfalfa hay: 75 pounds @ \$48/ton	1.80	
Total Feed Cost, 0 to 2 Months	\$ 18.92	\$
Original cost of calf	\$ 75.00	\$
Labor: 6 hours @ \$2.50/hour	15.00	
Veterinarian and veterinary supplies	2.50	
Bedding	1.50	
Buildings, pens, and equipment	2.00	
Death loss: @ 12%	11.64	
Miscellaneous: including interest @ 8% (\$1.34)	3.75	
Total Cost to 2 Months	\$130.31	\$
2 TO 6 MONTHS, WEIGHT 150 TO 355 POUNDS:		
Concentrate: 400 pounds @ \$6/cwt.	\$ 24.00	\$
Hay: 600 pounds @ \$48/ton	14.40	
Total Feed Cost, 2 to 6 Months	\$ 38.40	\$
Labor: 2 hours @ \$2.50/hour	\$ 5.00	\$
Bedding	1.50	
Miscellaneous: including interest @ 8% (\$3.98)	6.00	
Total Cost, 2 to 6 Months	\$ 50.90	\$
ACCUMULATED TOTAL COST TO 6 MONTHS	\$181.21	\$
6 TO 12 MONTHS, WEIGHT 355 TO 630 POUNDS:		
Concentrate: 450 pounds @ \$92/ton	\$ 20.70	\$
Hay: 2,160 pounds @ \$48/ton	51.84	
Total Feed Cost, 6 to 12 Months	\$ 72.54	\$
Labor: 3 hours @ \$2.50/hour	\$ 7.50	\$
Miscellaneous: including interest @ 8% (\$8.85)	10.45	
Total Cost, 6 to 12 Months	\$ 90.49	\$
ACCUMULATED TOTAL COST TO 12 MONTHS	\$271.70	\$
12 TO 24 MONTHS, WEIGHT 630 TO 1,070 POUNDS:		
Hay and hay equivalent: 4 tons ¹ @ \$44/ton	\$176.00	\$
Labor: figured on some pasturing - 3½ hours @ \$2.50/hour	8.75	
Breeding	8.00	
Miscellaneous: taxes, rent, etc.	8.00	
Interest: @ 8%	29.77	
Total Cost, 12 to 24 Months	\$230.52	\$
ACCUMULATED TOTAL COST TO 24 MONTHS	\$502.22	\$
24 TO 27 MONTHS, WEIGHT 1,070 TO 1,200 POUNDS:		
Hay and hay equivalent: 1½ tons @ \$44/ton	\$ 66.00	\$
Concentrate: 14 days - 70 pounds @ \$92/ton ¹	3.22	
Labor: figured on some pasturing - 1 hour @ \$2.50/hour	2.50	
Miscellaneous: including taxes	3.00	
Interest: @ 8%	10.79	
Total Cost, 24 to 27 Months	\$ 85.51	\$
ACCUMULATED TOTAL COST TO 27 MONTHS	\$587.73	\$
Each additional month will cost approximately \$28.50		

¹Fed 2 weeks before freshening.

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SAMPLE COSTS TO RAISE DAIRY HEIFERS IN THE SAN JOAQUIN VALLEY - 1973
For Holsteins With Initial Calf Weight of 80 Pounds

Prepared by Farm Advisors - H. S. Etchegaray, W. B. Hight, R. N. Eide, E. Olson, G. Gurtle,
 G. Voskuil, E. A. Yeary and Staff Research Associate - Lynn A. Horel.

	PER HEIFER	
	Sample Cost	Your Cost
0 to 2 months, weight 80 to 150 pounds:		
Milk substitute: 60 days except first 3, 45 lbs. @ 22¢ per lb.	\$ 9.90	
Calf concentrate: 10 lbs. first month and 70 lbs. second month - 80 lbs. @ \$5.00 per cwt	4.00	
Alfalfa hay: 75 lbs. @ \$37.00 per ton	1.37	
Total Feed Cost 0 to 2 months	15.27	
Original cost of calf	75.00	
Labor: 6 hours @ \$2.50	15.00	
Veterinarian and veterinary supplies	2.50	
Bedding	1.50	
Building, pens and equipment	2.00	
Death loss: @ 12%	10.92	
Miscellaneous: including interest @ 7%	3.65	
TOTAL COST TO 2 MONTHS	\$125.84	
2 to 6 months, weight 150 to 355 pounds:		
Concentrate: 400 lbs. @ \$4.10 cwt	\$ 16.40	
Hay: 600 lbs. @ \$37 per ton	11.10	
Total Feed Cost 2 to 6 months	27.50	
Labor: 2 hours @ \$2.50	5.00	
Bedding	1.50	
Miscellaneous: including interest	5.83	
TOTAL COST 2 TO 6 MONTHS	\$ 39.83	
ACCUMULATED TOTAL COST TO 6 MONTHS	\$165.67	
6 to 12 months, weight 355 to 630 pounds:		
Concentrate: 450 lbs. @ \$82 per ton	\$ 18.45	
Hay: 2,160 lbs. @ \$37 per ton	39.96	
Total Feed Cost 6 to 12 months	58.41	
Labor: 3 hours @ \$2.50	7.50	
Miscellaneous: including interest	9.45	
TOTAL COST 6 TO 12 MONTHS	\$ 75.36	
ACCUMULATED TOTAL COST TO 12 MONTHS	\$241.03	
12 to 24 months, weight 630 to 1,070 pounds:		
Hay and hay equivalent: 4 tons @ \$35.00	\$140.00	
Labor: figured on some pasturing, 3½ hours @ \$250	8.75	
Breeding	8.00	
Miscellaneous: taxes, rent, etc.	8.00	
Interest: @ 7%	22.64	
TOTAL COST 12 TO 24 MONTHS	\$187.39	
ACCUMULATED TOTAL COST TO 24 MONTHS	\$428.42	

24 to 27 months, weight 1,070 to 1,200 pounds:

Hay and hay equivalent: 1½ tons @ \$35	\$ 52.50
Concentrate: 14 days - 70 lbs. @ \$82.00 per ton ^{1/}	2.87
Labor: figured on some pasturing, 1 hr. @ \$2.50	2.50
Miscellaneous: taxes	3.00
Interest: @ 7%	8.04

TOTAL COST 24 TO 27 MONTHS \$ 69.11

ACCUMULATED TOTAL COST TO 27 MONTHS \$524.53

Each additional month will cost approximately \$23.04

^{1/} Fed 2 weeks before freshening.

COST PER POUND GAIN FOR
SELECTED HEIFER GROWTH PERIODS

GROWTH PERIOD	COST ^{2/}	WEIGHT GAIN	COST/POUND
Months	Dollars	Pounds	Cents
SAMPLE:			
0-2	125.84	70	179.7
0-6	165.67	275	60.2
0-12	241.03	550	43.8
0-24	428.42	990	43.2
0-27	524.53	1120	46.8
2-6	39.83	205	19.4
2-12	115.19	480	23.9
2-24	302.58	920	32.8
6-12	75.36	275	27.4
6-24	262.75	715	36.7
12-24	187.39	440	42.5
12-27	256.50	570	45.0
24-27	69.11	130	53.1

^{2/} For periods beginning with 0 months the cost figures include the original cost of the calf at \$75. If this was omitted, the cost per pound gain for the first 2-month period would be - 72.6¢; the 0 - 6 months - 32.9¢; the 0 - 12 months - 30.1¢; the 0 - 24 months - 35.6¢ and the 0 - 27 months - 40.1¢.

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**COST PER POUND OF GAIN FOR SELECTED
HEIFER GROWTH PERIODS**

GROWTH PERIOD Months	COST² Dollars	WEIGHT GAIN Pounds	COST/POUND Cents
SAMPLE:			
0 to 2	130.31	70	1.861
0 to 6	181.21	275	.659
0 to 12	271.70	550	.494
0 to 24	502.22	990	.507
0 to 27	587.73	1,120	.525
2 to 6	50.90	205	.248
2 to 12	141.39	480	.294
2 to 24	371.91	920	.404
6 to 12	90.49	275	.329
6 to 24	321.01	715	.449
12 to 24	230.52	440	.524
12 to 27	316.03	570	.554
24 to 27	85.51	130	.658

² For periods beginning with 0 months, the cost figures include the original cost of the calf at \$75. If this were omitted, the cost per pound of gain for the first 2-month period would be \$.79; for 0 to 6 months, \$.386; for 0 to 12 months, \$.358; for 0 to 24 months, \$.432; and for 0 to 27 months, \$.458.