

COST OF RAISING DAIRY HEIFER REPLACEMENTS IN SACRAMENTO COUNTY  
JANUARY - 1968

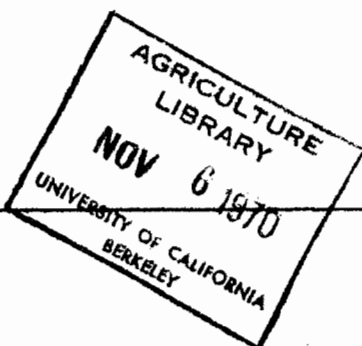
RICULTURE

Prepared By

H. Alan Moore, Sacramento County Farm Advisor

The costs in this study are based on a holstein-heifer calf of average size at birth (85 - 90 pounds). The data has been compiled and averaged from other cost studies conducted in various dairy areas throughout the state and from additional information obtained from local Sacramento County dairymen.

From Birth To Weaning (0 - 4 Months)	Cost Per Calf
<b>CASH COSTS</b>	
Value of calf	\$ 30.00
Milk (30 days @ 6 lbs./day @ \$2.50/cwt)	4.50
Powdered milk (90 days @ 1 lb./day @ 12¢/lb.)	10.80
Grain concentrate (30 days @ 1 lb./day @ \$4.25/cwt)	
(90 days @ 2 lbs./day @ \$4.25/cwt)	8.93
Hay, alfalfa (175 lbs. @ \$34/ton)	2.98
Vet., medicine	.50
Bedding	.50
Miscellaneous	.20
Labor (11 man hours @ \$2/hr.)	22.00
Death loss (5%)	4.02
<b>CASH COSTS BIRTH TO WEANING</b>	<b>\$ 84.43</b>



<b>From 4 Months to 10 Months</b>	
<b>CASH COSTS</b>	
Hay, alfalfa, 1,400 lbs. @ \$34/ton	\$ 23.80
Grain concentrate, 180 days @ 2 lbs./day @ \$4.25/cwt	15.30
Vet., medicine	.50
Bedding	.50
Miscellaneous, corral equipment, etc.	.75
Labor, 3 hrs. @ \$2/hr.	6.00
<b>CASH COSTS 4 - 10 MONTHS</b>	<b>\$ 46.85</b>
<b>TOTAL CASH COSTS BIRTH TO 10 MONTHS</b>	<b>\$131.28</b>

<b>From 10 Months to 23 Months</b>	
<b>CASH COSTS</b>	
Pasture 9 months @ \$4.50/month	\$ 40.50
Hay, alfalfa 1,600 lbs. @ \$34/ton	27.20
Breeding	2.00
Labor 1 man hour	2.00
Pickup use	2.00
Miscellaneous	.20
Death loss (1%)	1.12
Taxes (arbitrary assessed value X 8% rate)	1.92
<b>CASH COST 10 to 23 MONTHS</b>	<b>\$ 76.92</b>
<b>TOTAL CASH COST BIRTH TO 23 MONTHS</b>	<b>\$208.00</b>

3 Months Prior to Freshening (23 to 26 Months)

Cost Per  
Calf

CASH COSTS

Hay 1 ton @ \$34/ton

34.00

---

TOTAL CASH COST BIRTH TO 26 MONTHS AND FRESH

\$242.00

NON-CASH COSTS

\* Birth to 4 Months

Depreciation on buildings, pens and equipment  
\$1,000 value for 25 calves

1.60

Interest on investment

1.69

4 to 10 Months

Interest on investment

\$ 3.23

10 to 23 Months

Interest on investment

\$ 11.03

23 Months to Freshening (26 Months)

Interest on investment

\$ 3.78

---

TOTAL NON-CASH COST BIRTH TO 26 MONTHS AND FRESH

\$ 21.33

---

TOTAL ALL COSTS BIRTH TO 26 MONTHS AND FRESH

\$263.33

\*Investment interest is computed as 1/2% per month of calf's age X original cost plus 1/2% per month X 1/2 of cash costs.

## INVESTMENT \*

	Total	Annual Cost		Total
		Depreciation	Interest	
Milk barn	\$15,000	\$ 750	\$ 450	\$1,200
Pipeline	6,000	600	180	780
Milk tanks & refrigeration (1,200 - 400 gallon capacity)	10,000	1,000	300	1,300
Heater, washup	500	50	15	65
Feed bins & mangers	10,000	1,000	300	1,300
Hay storage & loafing shed	20,000	1,000	600	1,600
Corral & disposal	10,000	1,000	300	1,300
Cow washer	2,500	250	75	325
Well & pump	2,000	100	60	160
Other	<u>2,000</u>	<u>200</u>	<u>60</u>	<u>260</u>
TOTAL DAIRY EQUIPMENT	\$78,000	\$5,950	\$2,340	\$8,290
Cows - 400 @ \$375	\$150,000		\$9,000	\$9,000
Depreciation & Interest	\$17,290			
Management (5% of \$275,016)	\$13,750			
TOTAL COSTS				
Feed	\$103,900			
Replacements	49,500			
Labor	30,900			
Management	13,750			
Miscellaneous	44,858			
Depreciation & Interest	<u>17,290</u>			
TOTAL COSTS	\$260,198			
TOTAL INCOME	<u>\$275,016</u>			
NET PROFIT	\$ 14,818			
Investment per cow (Exclusive of land)	\$570			
Annual cost/cow/year	\$650.50			
Annual income/cow/year	<u>\$687.54</u>			
NEW PROFIT/COW/YEAR	\$ 37.04			

\* All land, irrigation systems, housing, fences, farming equipment, and livestock other than the milk cows are charged to other enterprises and not directly to the milking herd.