

Table 51. A Standard of Feed, Labor, and Other Costs for the Production of Market Milk in the San Joaquin Valley and Similar Areas. For a production of 310 and a sale of 300 lbs. of milk fat per cow.

	Digestible nutrients, pounds per cow	Per cent dig. nutrients	Quantity or pounds per cow	Price per unit	Cost per cow	Cost per lb. m.f. sold
				Dollars		Cents
Alfalfa hay	5,000	50	10,000	10.00 T.	50.00	16.7
Concentrates	1,000	75	1,333	1.50 cwt.	20.00	6.6
Silage and green feed	900	15	6,000	4.00 T.	12.00	4.0
Pasture	1,500		3 hd. mo.	2.50	7.50	2.5
Total feed	8,400				89.50	29.8
Labor			130 hr.	.30 hr.	39.00	13.0
Electric power for milking mach., refrig., etc.			150 kwh.	.02	3.00	1.0
Taxes on stock, buildings, etc.			\$ 60	.025	1.50	0.5
Fuel for sterilization			13 gal.	.10	1.30	0.4
Dairy supplies and repairs to equipment					2.00	0.7
Veterinary expense and sanitary supplies					2.00	0.7
Cow testing dues (production testing)					2.50	0.8
Insurance compensation, fire, etc.					.50	0.2
General overhead expense					7.00	2.3
Subtotal, current feed, labor, and miscellaneous costs					148.30	49.4
Credits for income not from milk				Dollars per cow		
Cows sold .20 per cow at \$45 each				9.00		
Other stock sold				2.55		
Less, average annual bull purchases				-1.20		
NET STOCK INCOME				10.35		
Manure, 2 tons per cow @ 50¢				1.00		
Total credits to be deducted				11.35	-11.35	3.8
Net cash costs					136.95	45.6
	Original cost	Average investment	5% interest	Depreciation		
					Dollars per cow	
Land in lots and corrals	12.50	12.50	.63			
Dairy buildings	80.00	40.00	2.00	2.50		
Dairy equipment	46.00	23.00	1.15	3.20		
Av. feed and supplies	27.00	27.00	1.35			
Dairy cattle	125.00	125.00	6.25			
Total investment	290.50	227.50				
Total depreciation				5.70	5.70	1.9
Net cash and depreciation costs					142.65	47.5
Total interest on investment			11.38		11.38	3.8
Total net cost of product at the ranch					154.03	51.3

The above standard has been computed to fit an efficiently-managed market milk dairy of about 50 cows. In order to provide for a stable production throughout the year, a liberal variety of feeds are provided. The above standard is based on a death loss of 2 per cent and a culling of 20 per cent of the cows. The eleven replacements are raised in the herd, the surplus young stock being sold as little calves at \$2.00 each.

Labor requirements are based upon the use of a milking machine. The feed, labor and other costs cover or include the raising of young stock, there being 0.34 of an animal unit of stock per cow in addition to each cow, or a total of 1.34 animal units per cow.

Table 53. A Standard of Feed, Labor, and Other Costs for the Production of Manufacturing Milk in the San Joaquin Valley and Similar Areas. For a production of 310 and a sale of 290 lbs. of milk fat per cow.

	Digestible nutrients pounds per cow	Per cent dig. nutrients	Quantity or pounds per cow	Price	Cost	Cost per
				per unit	per cow	lb.M.F. sold
				Dollars		Cents
Alfalfa hay	5,000	50	10,000	10.00 T	50.00	17.2
Concentrates	750	75	1,000	1.50 cwt.	15.00	5.2
Pasture	3,250		6.5 hd.mo.	2.50	16.25	5.6
Total feed	9,000				81.25	28.0
Labor			100 hr.	.30	30.00	10.4
Electric power, lights, milking machine, etc.			40 kw.h.	.025	1.00	0.3
Taxes on stock, buildings, and equipment			\$ 50	.025	1.25	0.4
Dairy supplies and repairs to equipment					1.50	0.5
Veterinary expense					.50	0.2
Cow testing dues					2.50	0.9
General overhead expense					5.00	1.7
Subtotal, current cash, labor and feed costs					123.00	42.4
Credits for net stock sales and miscel. income				Dollars		
Cows sold .20 per cow at \$45 each				per cow		
				9.00		
Calves and other stock sold				11.50		
Less, av. annual bull purchases				-2.00		
NET STOCK INCOME per cow				18.50		
Manure				1.00		
Less, total credits other than milk				19.50	-19.50	6.7
Net cash labor and other costs					103.50	35.7
	Original cost	Average investment	5 percent interest	Depreciation		
Dollars per cow						
Land in lots and corrals	10.00	10.00	.50			
Dairy buildings	60.00	30.00	1.50	1.50		
Dairy equipment	20.00	10.00	.50	1.50		
Av. feed and supplies	25.00	25.00	1.25			
Dairy cattle	130.00	130.00	6.50			
Total investment	245.00	205.00				
Total depreciation				3.00	3.00	1.0
Total cash costs and depreciation.					106.50	36.7
Total interest on investment			10.25		10.25	3.5
Net total cost of product at the ranch					116.75	40.2

The above standard has been computed to fit an efficiently-managed manufacturing milk dairy of about 25 cows. The basic feeds used are alfalfa hay and irrigated pasture. It is further assumed that about half of the bull calves would be raised for veal and practically all heifers would be raised for sale and for use in replacing the cows sold.

The feed shown above includes that for calves, young stock, and bulls as well as for the cows themselves. Concentrates would include some calf meals. A liberal allowance of feed was provided to cover all needs. At the prices used in the above computation, cost of the product is shown to be above that shown by actual records in the past few years. The efficiency and production assumed are a very little above that shown by recent records. Costs shown by actual records in this area in the last few years have ranged from 30 to 38 cents a pound of milk fat, but feed prices and to some extent wages were below the normal prices assumed above.