

COOPERATIVE EXTENSION UNIVERSITY OF CALIFORNIA
Placer and Nevada Counties

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SAMPLE PRODUCTION COSTS

COW AND CALF OPERATION 1976 100 COWS

Beef cattle production is the leading agricultural enterprise in terms of gross income in Placer and Nevada Counties.

The normal calving time is from October through February. Calves are usually weaned at eight months of age. The earlier calving dates of October through December produce heavier calves in the 450 to 550 lb. range at weaning time, as compared to 400 to 450 lb. calves born in January and February.

Most of the beef cattle ranches are headquartered in the Western half of the 2-county area. Several operators utilize mountain ranges for summer feed, but this practice has decreased in recent years.

This Sample Cost is based on a 400 acre ranch operation which includes 100 acres of irrigated pasture and 300 acres of improved annual clover range. Cattle are kept on the home ranch the year around.

The calf crop is figured at 90%. Twenty heifers are selected to go into the cow herd each year as replacements. Mortality in the cow herd is figured at 2% annually.

Water cost is figured at \$31.50 per miner's inch with one inch irrigating two acres. Two hundred seventy-eight dollars for pre-irrigation of the 300 acres annual clover range is included in the water cost figure.

Taxes on land are based on the Placer County rate under the Land Conservation Program.

Production costs and yields listed in this leaflet are approximate and not intended to represent any specific ranch, nor the average for Placer-Nevada Counties.

1976 - 200 copies

COMMERCIAL COW-CALF OPERATION 1976
100 COWS

	Total Value	Per Cow
INVESTMENT:		
1. Cows - 100	\$ 22,500	\$ 225.00
2. Replacement heifers - 20 at \$150	3,000	30.00
3. Bulls - 4 at \$600	2,400	24.00
4. Horse and Saddle	500	5.00
5. Pickup, Tractor, Scales & Misc. Equip.	12,500	125.00
6. Improved dryland range - 300 acres at \$500	150,000	1,500.00
7. Irrigated Pasture - including fences & irrigation system - 100 acres at \$1000	100,000	1,000.00
8. Buildings	7,000	70.00
TOTAL:	\$297,900	\$2,979.00
INCOME:		
1. 45 Steers at 500 lbs. = 22,500 lbs. at 35¢	\$ 7,875	\$ 79.00
2. 25 Heifers at 475 lbs. = 11,875 lbs. at 25¢	2,969	30.00
3. 18 Cull Cows at 1000 lbs. = 18,000 at 25¢	4,500	45.00
4. 1 Bull at 1500 lbs. at 28¢	420	4.20
TOTAL:	\$ 15,764	\$ 157.64
OPERATING COSTS:		
1. Fertilizer for irrigated pasture	\$ 1,300	\$ 13.00
2. Irrigation Water	1,800	18.00
3. Misc. {gas, repairs, vet. bills, salt, pickup exp., etc.}	1,500	15.00
4. Replacement Bull	600	6.00
5. Taxes, Range at \$1.26/A	378	3.78
Taxes, Irrigated Pasture at \$5.25/A	525	5.25
Taxes, Cows {365 x .005}	183	1.83
Taxes, Bulls {\$450 x 25% = 112.50 x 8.50 = 9.56 x 4 head}	38	.38
Taxes, Heifers {20 hd. x 1.83}	37	.37
Taxes, Horse {\$200 x 25% = \$50 x 8.50}	4	.04
Taxes, Buildings {\$7000 x 25% = \$1750 x 8.50}	149	1.49
6. Hay - 50 T at \$50	2,500	25.00
TOTAL CASH OPERATING COSTS:	\$ 9,014	\$ 90.14
DEPRECIATION:		
1. Horse and Saddle	\$ 50	\$.50
2. Pickup, Tractor, Scales & Misc.	1,250	12.50
3. Fences {\$7400 - 25 yrs.}	296	2.96
4. Irrigation System {\$30,000}	2,000	20.00
5. Buildings {\$7000}	350	3.50
6. Irrigated Pasture Stand \$10,000	1,429	14.29
TOTAL DEPRECIATION:	\$ 5,375	\$ 53.75
TOTAL CASH AND DEPRECIATION COST	\$ 14,389	\$ 143.89
INCOME SUMMARY:		
1. Total Income	\$ 15,764	\$ 157.64
2. Cash and Depreciation Costs	14,389	143.89
3. Net Farm Income	1,375	13.75
COST PER POUND PRODUCED:	\$ 0.216	

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COMMERCIAL COW-CALF OPERATION 1976
100 COWS

DETAIL ON THE COST PER POUND

Production:

1.	45 steers at 500 lbs.	22,500 lbs.
2.	45 heifers at 475 lbs.	<u>21,375 lbs.</u>
	Total pounds produced	43,875 lbs.

Cash and depreciation cost	\$14,389
Less cull cow and bull sales	<u>4,920</u>
Net cash and depreciation cost	\$ 9,469

Cash and depreciation cost per pound
produced {43,875 lbs.} 21.6¢

	Total Value	Per Cow
Total Cash and Depreciation Cost	\$14,389	\$143.89
Net Farm Income	1,375	13.75
Family Labor	\$ 8,000	\$ 80.00
Management 5% of \$15,764	788	7.88
Interest on Investment		
Land \$250,000 at 8%	\$20,000	
Cattle 27,900 at 8%	2,232	
Other 20,000 ÷ 2 x 8%	800	
Total Interest	<u>\$23,032</u>	\$230.32
TOTAL COST	\$46,209	
NET INCOME	Loss	<\$30,445>
Cost per pound produced		.94¢