

SAMPLE PASTURE COSTS
SHASTA COUNTY

RENTING

Renter pays for fertilizer, fence repair, and irrigates.

Expenses:

Rent - 35 acres @ \$22/acre	\$ 770.00
Fertilizer	
200 lbs. 11-48/acre = $3\frac{1}{2}$ T @ \$108/Ton =	\$378.00
200 lbs. (NH ₄) ₂ SO ₄ /acre = $3\frac{1}{2}$ T @ \$42/Ton =	<u>147.00</u>
	525.00
Irrigation - 100 hours @ \$2/hr.	200.00
Miscellaneous - 5% of \$1495	75.00
Fencing - labor and materials	<u>150.00</u>
	\$1720.00

100 animals on pasture for 7 months = 700 AUM x 400 lbs. TDN/AUM = 280,000 lbs. TDN

Less:

3/4 lbs. salt mix 30% salt consumed per day = .52 lb TDN/DAY/HD

100 animals eat 52 lbs. 1 DAY x 210 days = 10920 lbs.

10,920

Pasture supplies

269,080 lbs. TON

TDN from GRAIN costs 5¢/lb.

TDN from HAY costs 3.5¢/lb.

TDN from PASTURE costs .64¢/lb.

SAMPLE IRRIGATED PASTURE COSTS

SHASTA COUNTY 1969

OWNED

FIXES COSTS

ANNUAL COST

<u>INVESTMENT</u>	<u>PER ACRE</u>	<u>DEPRECIATION</u>	<u>INTEREST</u>	<u>TAXES & INSURANCE</u>
Land	\$500.00		\$30.00	\$20.00
Irrigation system	60.00	\$ 3.00	3.00	4.80 + 6.75*
Fences	\$ 35.00	1.75	1.75	
Stand	40.00	6.00	2.00	
Tractor & Implements	<u>50.00</u>	<u>5.00</u>	<u>2.50</u>	<u>4.00</u>
	\$685.00	\$15.75	\$39.25	\$35.55

TOTAL FIXED COST/ACRE \$ 90.55

80 ACRE COST \$7244.00

VARIABLE COSTS

Fertilizer - custom applied 125 lbs/A 11-48 @ \$108/T (5T) \$ 540.00

Irrigation

Labor - 420 hours (7 times) @ \$2/A 840.00

Water - \$3/A for 4 A FT./A 240.00

Drag @ 71¢/A 35.00

Clip @ \$2.38/A 119.00

\$1774.00

Miscellaneous cost (5%) 88.70

TOTAL VARIABLE COSTS/80 A \$1862.70

TOTAL COST/80 A \$9106.70

TOTAL COST/A \$ 113.83

*Irrigation District Tax

RETURN FROM PASTURE 1200 lb. DAIRY COW

MAINTENANCE		8.6 lbs. TDN
REPRODUCTION		5.5
MILK	54 lbs./day ave.	<u>19.0</u>
	1 AU	33.1 lbs. TDN/DAY REQUIRED

1 AUM = 33.1 x 30 = 993 lbs. TDN

115 Animals for 7 months = 805 AUM
x 993 lbs. TDN/M
799365 lbs. TDN required

July cattle received 13 - 130 lb. bales alfalfa = 1690 lbs./DAY
= 50700 lbs./MO.

Aug. & Sept. cattle received 26 - 130 bales alfalfa = 3380 lbs./DAY
= 202800 lbs./2 MO.
253500 lbs. HAY
x 50% TDN
Hay Fed = 126750 lbs. TDN

Cattle received 1 ton grain/DAY = 210 DAY x 2000 lbs. = 420000 lbs. GRAIN
x 75% TDN
315000 lbs. TDN

TOTAL TDN AVAILABLE FROM:

HAY	253,500	
GRAIN	<u>315,000</u>	
	568,500	lbs. TDN

TDN Required for 805 AUM = 799,365
Less Grain & Hay = 568,500

TDN Furnished by Pasture 230,865

Cost of TDN from Pasture 3.95¢/lb.