

1984

BEEF CATTLE

PRODUCTION

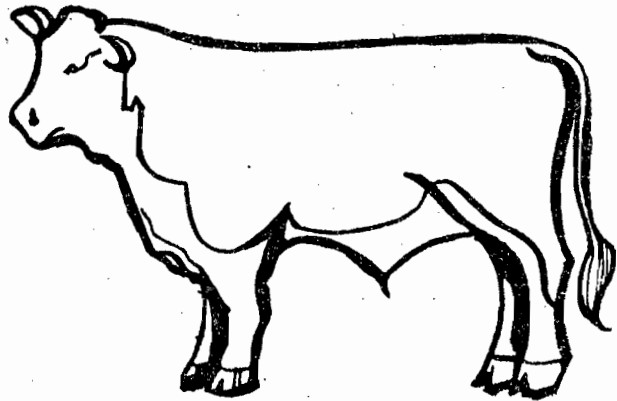
COSTS

COW CALF

COW YEARLING

STOCKER

COW CALF (RENTED LAND)



Stanislaus and San Joaquin Counties

By

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INTRODUCTION

One thing which typifies beef cattle production in Stanislaus and San Joaquin Counties is variation in size and method of operation. There are small, part time operations and large, full time operations; irrigated pasture, range, or combinations; breeding herd and stocker operations, and so forth.

We have chosen to sample beef production costs and returns for five types of operations. Assuming the same ranch and facilities for each operation, we compared a 300 cow operation selling weaners, a 230 cow operation selling yearlings, a 1,320 total head stocker operation, all on owned land and both the 300 cow operation selling weaners and the 1,320 stocker operation on rented land.

The budgets presented are not intended to be an average but to be a guide in working out costs for your own herd or prospective herd. While they are not averages they are believed to approximate actual production costs closely enough to be decision making aids. Your own projected costs and returns will make your decisions still more accurate.

One of the limitations of budgets such as these is that there is no accounting made for increases in real estate values in an inflationary period. Another limitation, particularly of the stocker operation budget, is that the inherent risks of a changing cattle market are usually inadequately accounted for.

Calendars of Operation

Beef Breeding Herd Selling Weaners--Based on range and pasture:

300 cow herd, 90% calf crop, 2% mortality, 17% replacement

Calendar will vary according to season:

September 1-December 1, Calving	May 1-October 31, Irrigated Pasture
November 1-April 30, Range	May 1, Cull Cows Sold
December 1-February 28, Breeding	August 1, Calves Sold

Beef Breeding Herd Selling Yearlings--Based on range and pasture:

230 cow herd, 90% calf crop, 2% mortality, 17% replacement

Calendar will vary according to season:

September 1-December 1, Calving	May 1-October 31, Irrigated Pasture
November 1-April 30, Range	May, Cull Cows Sold
December 1-February 28, Breeding	May, Yearlings Sold

Stocker Operation--Based on range and pasture:

720 head bought in fall, 600 head bought in spring, 2% mortality

Calendar will vary according to season:

March, 600 head bought, fed on irrigated pasture	October, 720 head bought, fed on range
October, 588 head sold	June, 705 head sold

EXPENSES

CASH COSTS				Total Ranch	Per Cow	Per Cwt Sold
Supplement	21 tons @	160 \$/ton	3360.00	11.20	2.04	
Alfalfa Hay	60 tons @	85 \$/ton	5100.00	17.00	3.09	
Salt	20 lbs/cow	.05 \$/lb.	300.00	1.00	.18	
Bull Replmnt	3 @	1300 \$/bull	3900.00	13.00	2.36	
Irrig. Past. Water		21 \$/acre	4200.00	14.00	2.55	
Irrig. Past. Fertilizer		35.48 \$/acre	7096.00	23.65	4.30	
Veterinary & Medicine			2400.00	8.00	1.46	
Hired Trucking			1200.00	4.00	.73	
Insurance Premiums			1649.96	5.50	1.00	
Fuel, Lube, Repair			4800.00	16.00	2.91	
Utilities			501.00	1.67	.30	
Misc. Supplies			501.00	1.67	.30	
Hired Labor			6300.00	21.00	3.82	
Operators Labor			18000.00	60.00	10.92	
Real Property Taxes (Williamson Act)			4100.00	13.67	2.49	
Misc. Office & Bookkeeping			1470.00	4.90	.89	
Int. on Operating Cap.		13 1/6 Mo's.	4217.07	14.06	2.56	
TOTAL CASH COSTS			69095.03	230.32	41.90	
DEPRECIATION:						
Horses:	10 yr. life	800 salvage	220.00	.73	.10	
Equipment:	10 yr. life	4770 salvage	2704.00	9.01	1.64	
Irrig. System	30 yr. life		1000.00	3.33	.61	
Irrig. Pasture Stand:	10 yr. life		1200.00	4.00	.73	
Fences:	20 yr. life		2450.00	8.17	1.49	
Barrn. Corrals:	25 yr. life		648.00	2.16	.39	
TOTAL DEPRECIATION			8222.00	27.41	4.99	
TOTAL CASH AND DEPRECIATION			77317.03	257.72	46.88	
INTEREST						
Livestock capital @	13%	163950	21313.50	71.05	12.92	
Equipment capital @	12%	53600	6432.00	21.44	3.90	
Machinery capital @	13%	34195	4445.35	14.82	2.70	
Irrigated pasture @	12%	528000	63360.00	211.20	38.42	
Rangeland @	12%	819000	98280.00	327.60	59.60	
TOTAL INTEREST			193830.85	646.10	117.54	
TOTAL ALL COSTS			271147.88	903.83	164.42	
Income above cash costs			21637.27	72.12	13.12	
Income above cash and depreciation			13415.27	44.72	8.13	
NET RETURNS			-180415.58	-601.39	-109.40	

BEEF BREEDING HERD INCOME & COSTS

OCTOBER 31 1984

STANISLAUS & SAN JOAQUIN CO'S (EASTSIDE)

Bill van Riet, Farm Advisor

230 cow herd selling yearlings.

90% calf crop

2% mortal.

17% replacement rate

Owned Land

INVESTMENT

Item			Ranch	Per Cow	Per Cwt.
Rangeland	1800 acres @	455 \$/acre	819000.00	3560.87	
Irrig. Past.	200 acres @	2640 \$/acre	528000.00	2295.65	
Irrigated Pasture Stand		60 \$/acre	12000.00	52.17	
Irrigation System		150 \$/acre	30000.00	130.43	
Fences	14 miles @	3500 \$/mile	49000.00	213.04	
Corrals	2 @	3100 \$ each	6200.00	26.96	
Barn			10000.00	43.48	
Equipment: scales, 2 squeezes			6310.00	27.43	
Machinery: pickup, trailer, tractor			25500.00	110.87	
Livestock:					
Cows	230 @	425 \$/cow	97750.00	425.00	
Replacements	39 @	350 \$/head	13685.00	59.50	
Bulls	9 @	1300 \$/bull	11700.00	50.87	
Horses	2 @	1500 \$/horse	3000.00	13.04	
TOTAL INVESTMENT			1612145.00	7009.33	978.19

Beef Sold	No.	Ave. Weight	INCOME			Per Cow	Per cwt Sold
			Total Pounds	Price Per Lb.	Total Value		
Steers	103.5	780	80730	.58	46823.40	203.58	
Heifers	64.4	700	45080	.54	24343.20	105.84	
Cull Cows	34.5	1000	34500	.44	15180.00	66.00	
Cull Bulls	3	1500	4499.55	.52	2339.77	10.17	
TOTAL INCOME			205	164809.6	88686.37	385.59	53.81

EXPENSES

			Total	Per	Per	Cwt
CASH COSTS			Ranch	Cow	Cow	Sold
Supplement	21 tons @	160 \$/ton	3360.00	14.61		2.04
Alfalfa Hay	60 tons @	85 \$/ton	5102.55	22.19		3.10
Salt	20.00 lbs/cow	.05 \$/lb.	230.00	1.00		.14
Bull Replmnt	3 @	1300 \$/bull	3899.61	16.95		2.37
Irrig. Past. Water		21 \$/acre	4200.00	18.26		2.55
Irrig. Past. Fertilizer		35.50 \$/acre	7100.00	30.87		4.31
Veterinary & Medicine			1840.00	8.00		1.12
Hired Trucking			920.00	4.00		.56
Insurance Premiums			1612.15	7.01		.98
Fuel, Lube, Repair			4800.00	20.87		2.91
Utilities			500.00	2.17		.30
Misc. Supplies			500.00	2.17		.30
Hired Labor			4830.00	21.00		2.93
Operators Labor			18000.00	78.26		10.92
Real Property Taxes (Williamson Act)			4100.00	17.83		2.49
Misc. Office & Bookkeeping			1469.70	6.39		.89
Int. on Operating Cap.		13% / 6 Mo's.	4060.16	17.65		2.46
TOTAL CASH COSTS			66524.19	289.24		40.36
DEPRECIATION:						
Horses:	10 yr. life	800 salvage	220.00	.96		.14
Equipment:	10 yr. life	4770 salvage	2704.00	11.76		1.64
Irrig. System	30 yr. life		1000.00	4.35		.61
Irrig. Pasture Stand:	10 yr. life		1200.00	5.22		.73
Fences:	20 yr. life		2450.00	10.65		1.49
Barn, Corrals:	25 yr. life		648.00	2.82		.39
TOTAL DEPRECIATION			8222.00	35.75		4.99
TOTAL CASH AND DEPRECIATION			74746.19	324.98		45.35
INTEREST						
Livestock capital @	13%	126135	16397.55	71.29		9.95
Equipment capital @	12%	53600	6432.00	27.97		3.90
Machinery capital @	13%	34195	4445.35	19.33		2.70
Irrigated pasture @	12%	528000	63360.00	275.48		38.44
Rangeland @	12%	819000	98280.00	427.30		59.63
TOTAL INTEREST			188914.90	821.37		114.63
TOTAL ALL COSTS			263661.09	1146.35		159.98
Income above cash costs			22162.18	96.36		13.45
Income above cash and depreciation			13940.18	60.61		8.46
NET RETURNS			-174974.72	-760.76		-106.17

STOCKER CATTLE INCOME & COSTS
OCTOBER 31, 1984

STANISLAUS & SAN JOAQUIN CO'S (EASTSIDE)

Bill van Riet, University of California Farm Advisor

Based on the purchase of 720 steers @ 450 pounds in the fall to be stocked on range at one steer to 2.50 acres; and 600 steers @ 450 pounds in the spring stocked on irrigated pasture at one steer to .33 acres. Animals are grazed 7 to 8 months.
Owned Land 2 % mortality

INVESTMENT

Item			Ranch	Per Hd. Sold	Per Cwt. Sold
Rangeland	1800 acres @	455 \$/acre	819000.00	633.12	
Irrig. Past.	200 acres @	2640 \$/acre	527994.72	408.16	
Irrigated Pasture Stand		60 \$/acre	11999.88	9.28	
Irrigation System		150 \$/acre	29999.70	23.19	
Fences	14 miles @	3500 \$/mi.	49000.00	37.88	
Corrals	2 @	3100 \$ each	6200.00	4.79	
Barn			10000.00	7.73	
Equipment: scales, 2 squeezes			6310.00	4.88	
Machinery: pickup, trailer, tractor			25500.00	19.71	
Horses	2 @	1500 \$/horse	3000.00	2.32	
TOTAL INVESTMENT			1489004.30	1151.05	

PRODUCTION & INCOME

Cattle Sold	No.	Ave. Weight	Total Pounds	Price Per Lb.	Total Value	Per Hd. Sold	Per Cwt. Sold
June	706	700	493920	.62	306230.40		
October	588	700	411600	.63	259308.00		
TOTAL SALES			1294	905520	565538.40	437.18	
Cattle Purchased							
October	720	450	324000	.64	207360.00		
March	600	450	270000	.68	183600.00		
TOTAL PURCHASES			1320	594000	390960.00	302.23	
TOTAL PRODUCTION & INCOME				311520	174578.40	134.96	56.04

EXPENSES

CASH COSTS				Total Ranch	Per Hd. Sold	Per Cwt. Gain
Supplement	21.12 tons @	160 \$/ton		3379.20	2.61	1.08
Alfalfa Hay	60.06 tons @	85 \$/ton		5105.10	3.95	1.64
Salt	10.00 lb/steer	.05 \$/lb.		660.00	.51	.21
Irrig. Past. Water		21 \$/acre		4199.96	3.25	1.35
Irrig. Past. Fertilizer		35.48 \$/acre		7095.93	5.49	2.28
Veterinary & Medicine				7260.00	5.61	2.33
Hired Trucking				5940.00	4.59	1.91
Insurance Premiums				1489.00	1.15	.48
Fuel, Lube, Repair				4804.80	3.71	1.54
Utilities				514.80	.40	.17
Misc. Supplies				514.80	.40	.17
Hired Labor				6237.00	4.82	2.00
Operators Labor				18000.00	13.91	5.78
Real Property Taxes (Williamson Act)				4099.98	3.17	1.32
Misc. Office & Bookkeeping				1478.40	1.14	.47
Int. on Operating Cap.		13 1/6 Mo's.		4600.63	3.56	1.48
TOTAL CASH COSTS				75379.61	58.27	24.20
DEPRECIATION:						
Horses:	10 yr. life	800 salvage		220.00	.17	.01
Equipment:	10 yr. life	4770 salvage		2704.00	2.09	.87
Irrig. System	30 yr. life			999.99	.77	.32
Irrig. Pasture Stand:	10 yr. life			1199.99	.93	.39
Fences:	20 yr. life			2450.00	1.89	.79
Barn, Corrals:	25 yr. life			648.00	.50	.21
TOTAL DEPRECIATION				8221.98	6.36	2.64
TOTAL CASH AND DEPRECIATION				83601.58	64.63	26.84
INTEREST						
Livestock capital @	13%	7 Mo's.		29875.30	23.09	9.59
Equipment capital @	12%	53599.79		6431.97	4.97	2.06
Machinery capital @	13%	34195.00		4445.35	3.44	1.43
Irrigated pasture @	12%	527995		63359.37	48.98	20.34
Rangeland @	12%	819000		98280.00	75.97	31.55
TOTAL INTEREST				202391.99	156.46	64.91
TOTAL ALL COSTS				285993.57	221.08	91.81
Income above cash costs				99198.79	76.68	31.84
Income above cash and depreciation				90976.82	70.33	29.20
NET RETURNS				-111415.17	-86.13	-35.71

BEEF BREEDING HERD INCOME & COSTS
OCTOBER 31, 1984

STANISLAUS & SAN JOAQUIN CO'S (EASTSIDE)

Bill van Riet, Farm Advisor

300 cow herd selling weaners, 90% calf crop 2% mortal.
Rented Land 17% replacement

INVESTMENT

Item			Ranch	Per Cow	Per Cwt.
Machinery: pickup, trailer, tractor			25500.00	85.00	
Livestock:					
Cows	300 @	425 \$/cow	127500.00	425.00	
Replacements	51 @	350 \$/head	17850.00	59.50	
Bulls	12 @	1300 \$/bull	15600.00	52.00	
Horses	2 @	1500 \$/horse	3000.00	10.00	
TOTAL INVESTMENT			189450.00	631.50	114.88

INCOME

Beef Sold	No.	Ave. Weight	Total Pounds	Price Per Lb.	Total Value	Per Cow	Per cwt Sld
Steers	135	550	74250	.63	46777.50	155.93	
Heifers	84	490	41160	.53	21814.80	72.72	
Cull Cows	45	1000	45000	.44	19800.00	66.00	
Cull Bulls	3	1500	4500	.52	2340.00	7.80	
TOTAL INCOME	267		164910		90732.30	302.44	55.02

EXPENSES

CASH COSTS				Total Ranch	Per Cow	Per Cwt. Sold
Range Rent	1800 acres @	18 \$/acre		32400.00	108.00	19.65
Ir. Past. Rent	200 acres @	125 \$/acre		25000.00	83.33	15.16
Supplement	21 tons @	130 \$/ton		2730.00	9.10	1.66
Alfalfa Hay	60 tons @	90 \$/ton		5400.00	18.00	3.27
Salt	20.00 lbs.	.05 \$/lb.		300.00	1.00	.18
Bull Replmnt	3 @	1300 \$/bull		3900.00	13.00	2.36
Veterinary & Medicine				2400.00	8.00	1.46
Hired Trucking				1200.00	4.00	.73
Insurance Premiums				1894.50	6.32	1.15
Fuel, Lube, Repair				4800.00	16.00	2.91
Utilities				501.00	1.67	.30
Misc. Supplies				501.00	1.67	.30
Hired Labor				6300.00	21.00	3.82
Operators Labor				18000.00	60.00	10.92
Misc. Office & Bookkeeping				1470.00	4.90	.89
Int. on Operating Cap.		13 1/6 Mo's.		6941.77	23.14	4.21
TOTAL CASH COSTS				113739.27	379.13	68.97
DEPRECIATION:						
Horses:	10 yr. life	800 salvage		220.00	.73	.13
Equipment:	10 yr. life	3825 salvage		2167.50	7.23	1.31
TOTAL DEPRECIATION				2387.50	7.96	1.45
TOTAL CASH AND DEPRECIATION				116125.77		
INTEREST						
Livestock capital @	13%	163950		21313.50	71.05	12.92
Machinery capital @	13%	14662.5		1906.13	6.35	1.16
TOTAL INTEREST				23219.63	77.40	14.08
TOTAL ALL COSTS				139345.40	464.48	84.50
Income above cash costs				-23005.97	-76.69	-13.95
Income above cash and depreciation				-25393.47	-84.64	-15.40
NET RETURNS				-48613.10	-162.04	-29.48

STOCKER CATTLE INCOME & COSTS
OCTOBER 31, 1984

STANISLAUS & SAN JOAQUIN CO'S (EASTSIDE)

Bill van Riet, University of California Farm Advisor

Based on the purchase of 720 steers @ 450 pounds in the fall to be stocked on range at one steer to 2.50 acres; and 600 steers @ 450 pounds in the spring stocked on irrigated pasture at one steer to .33 acres. Animals are grazed 7 to 8 months.
Rented Land 2 % mortality

INVESTMENT

Item		Ranch	Per Hd. Sold	Per Cwt. Sold
Machinery: pickup, trailer, tractor		25500.00	19.32	
Horses	2 @ 1500 \$/horse	3000.00	2.27	
TOTAL INVESTMENT		28500.00	21.59	

PRODUCTION & INCOME

Cattle Sold	No.	Ave. Weight	Total Pounds	Price Per Lb.	Total Value	Per Hd. Sold	Per Cwt. Sold
June	706	700	493920	.62	306230.40		
October	588	700	411600	.63	259308.00		
TOTAL SALES	1294		905520		565538.40	428.44	
Cattle Purchased							
October	720	450	324000	.64	207360.00		
March	600	450	270000	.68	183600.00		
TOTAL PURCHASES	1320		594000		390960.00	302.23	
TOTAL PRODUCTION & INCOME			311520		174578.40	134.96	56.04

EXPENSES

				Total	Per	Per
				Ranch	Hd. Sold	Cwt. Gain
CASH COSTS						
Range Rent	1800 acres @	18 \$/acre		32400.00	24.55	10.40
Irr Past. Re	200 acres @	125 \$/acre		24999.75	18.94	8.03
Supplement	21.12 tons @	160 \$/ton		3379.20	2.56	1.08
Alfalfa Hay	60.06 tons @	85 \$/ton		5105.10	3.87	1.64
Salt	10.00 lb/steer	.05 \$/lb.		660.00	.50	.21
Irrig. Past. Fertilizer		35.48 \$/acre		7095.93	5.38	2.28
Veterinary & Medicine				7260.00	5.50	2.33
Hired Trucking				5940.00	4.50	1.91
Insurance Premiums				28.50	.02	.01
Fuel, Lube, Repair				4804.80	3.64	1.54
Utilities				514.80	.39	.17
Misc. Supplies				514.80	.39	.17
Hired Labor				6237.00	4.73	2.00
Operators Labor				18000.00	13.64	5.78
Misc. Office & Bookkeeping				1478.40	1.12	.47
Int. on Operating Cap.		13 1/6 Mo's.		7697.19	5.83	2.47
TOTAL CASH COSTS				126115.47	95.54	40.48
DEPRECIATION:						
Horses:	10 yr. life	800 salvage		220.00	.17	.07
Equipment:	10 yr. life	4770 salvage		2073.00	1.57	.67
TOTAL DEPRECIATION				2293.00	1.74	.74
TOTAL CASH AND DEPRECIATION				128408.47	97.28	41.22
INTEREST						
Livestock capital @	13%	7 Mo's.		29875.30	22.63	9.59
Machinery capital @	13%	27885.00		3625.05	2.75	1.16
TOTAL INTEREST				33500.35	25.38	10.75
TOTAL ALL COSTS				161908.82	122.66	51.97
Income above cash costs				48462.93	36.71	15.56
Income above cash and depreciation				46169.93	34.98	14.82
NET RETURNS				12669.58	9.60	4.07