

UNIVERSITY OF CALIFORNIA
COOPERATIVE EXTENSION
777 E. Rialto Avenue
San Bernardino, CA 92415-0730

SOUTHERN CALIFORNIA RANGE LAMBING PRODUCTION COSTS AND RETURNS

GENERAL INFORMATION		PRICES		UNITS	
NO. EWES	3000	REPLACE EWES		\$/hd	67.00
NO. RAMS	32	REPLACE RAMS		\$/hd	300.00
PERCENT LAMB CROP MKT	90	MKT LAMBS		\$/cwt	65.00
NO. LAMBS MKT	2700	WOOL		\$/lb	1.50
WEIGHT OF MKT LAMB	110	CULL EWES		\$/hd	15.00
LBS OF WOOL PER EWE	10	CULL RAMS		\$/hd	40.00
NO. REPLACEMENT RAMS	16	HAY		\$/ton	125.00
NO. REPLACEMENT EWES	500	SALT		\$/ton	160.00
TONS HAY SUPPLEMENT	25	CONCENTRATE		\$/ton	240.00
TONS CONCENTRATE SUP.	0	WATER		\$/yr.	3690.00
% OPERATING COST BORROW	0	INTEREST RATE		\$/yr.	14.00

RETURNS	TOTAL	PER EWE	PER LB LAMB	PERCENT TOTAL
MKT LAMBS	193050.00	64.35	.65	79.42
WOOL	45000.00	15.00	.15	18.51
CULL EWES	4500.00	1.50	.02	1.85
CULL RAMS	512.00	.17	.01	.21
TOTAL	243062.00	81.02	.83	100.00

NET RETURNS	TOTALS	PER EWE	PER LB LAMB
OVER OP. COST	66223.86	22.07	.23
OVER FIXED & OP. COST			
RETURN ON INVESTMENT = 22.40 PERCENT		BREAKEVEN = .44	

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EXPENSES

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CASH COSTS		PER EWE	PER LB LAMB	PERCENT OF COST	
38	PASTURE COST TOTAL	65491.20	21.83	.22	37.03
39	PASTURE, ALFALFA	40932.00	13.64	.14	23.15
40	PASTURE, OTHER	24559.20	8.19	.08	13.89
41	HAY & SUPPLEMENT	3125.00	1.04	.01	1.77
42	WATER	3690.00	1.23	.01	2.09
43	SALT	1682.15	.56	.01	.95
44	VET & MEDS	2900.00	.97	.01	1.64
45	SPRAYING & WORMING	60.00	.02	.00	.03
46	LABOR TOTAL	30000.00	10.00	.10	16.96
47	PERMANENT/MO	30000.00	10.00	.10	16.96
48	HOURLY/DAILY	.00	.00	.00	.00
49	CAMP COST TOTAL	10200.00	3.40	.03	5.77
50	FOOD/MO.	9000.00	3.00	.03	5.09
51	FUEL/MO.	1200.00	.40	.00	.68
52	VEHICLE TOTAL	12945.00	4.32	.04	7.32
53	LIC COST	785.00	.26	.00	.44
54	FUEL, LUB, REPAIRS	10000.00	3.33	.03	5.65
55	INSURANCE	2160.00	.72	.01	1.22
56	SHEARING	5614.00	1.87	.02	3.17
57	SACKS & TWINE	330.79	.11	.00	.19
58	HAULING TOTAL	2500.00	.83	.01	1.41
59	BAND MOVES	2000.00	.67	.01	1.13
60	HAULING REPL EWE	500.00	.17	.00	.28
61	REPLACEMENT EWES	3350.00	11.17	.11	18.94
62	REPLACEMENT RAMS	480.00	1.60	.02	2.71
63	INTEREST ON OP COST	.00	.00	.00	.00
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65	TOTAL OPERATING COST	176838.14	58.95	.60	100.00
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CAPITAL INVESTMENT

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LIVESTOCK	NO.	COST EACH	COST
EWES	3000	67.00	201000.00
RAMS	32	300.00	9600.00
DOGS	10	200.00	2000.00
TOTAL			212600.00

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MACHINERY AND EQUIPMENT

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PICKUP 4WD 3/4T	1	12000.00	12000.00
PICKUP 2WD 3/4TON	2	10000.00	20000.00
STOCKTRUCK	1	12000.00	12000.00
WATERTRUCK	3	8000.00	24000.00
CAMPS	5	2000.00	10000.00
TOOLS AND EQUIPMENT		5000.00	5000.00
TOTAL			83000.00

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TOTAL INVESTMENT 295600.00

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EFFECT OF PRICE VARIATIONS AND % LAMB CROP SOLD ON RETURNS

Percent Lamb Crop Sold	Price Lamb	Price Wool	Percent Operating Cost Borrowed	Return Per Ewe	Return Per Lb Lamb	Percent Return on Investment	Breakeven Price	
	85	60.40	1.50	0	13.82	0.16	14.03	47.00
	85	62.50	1.50	0	16.16	0.18	16.40	47.00
A	85	65.00	1.50	0	18.50	0.21	18.77	47.00
	85	67.50	1.50	0	20.84	0.23	21.15	47.00
	85	70.00	1.50	0	23.17	0.26	23.52	47.00
	90	60.00	1.50	0	17.12	0.18	17.38	44.39
	90	62.50	1.50	0	19.60	0.21	19.89	44.39
B	90	65.00	1.50	0	22.07	0.23	22.40	44.39
	90	67.50	1.50	0	24.55	0.26	24.92	44.39
	90	70.00	1.50	0	27.02	0.28	27.43	44.39
	95	60.00	1.50	0	20.42	0.21	20.73	42.05
	95	62.50	1.50	0	23.04	0.23	23.38	42.05
C	95	65.00	1.50	0	25.65	0.26	26.03	42.05
	95	67.50	1.50	0	28.26	0.28	28.68	42.08
	95	70.00	1.50	0	30.87	0.31	31.33	42.05
	110	60.00	1.50	0	30.32	0.26	30.78	36.32
	110	62.50	1.50	0	33.35	0.29	33.85	36.32
D	110	65.00	1.50	0	36.37	0.31	36.92	36.32
	110	67.50	1.50	0	39.40	0.34	39.99	36.32
	110	70.00	1.50	0	42.42	0.36	43.06	36.32

EFFECT OF WOOL PRICES ON RETURNS

Percent Lamb Crop Sold	Price Lamb	Price Wool	Percent Operating Cost Borrowed	Return Per Ewe	Return Per Lb Lamb	Percent Return on Investment	Breakeven Price
90	65.00	0.75	0	14.57	0.16	14.79	51.79
E 90	65.00	1.00	0	17.07	0.18	17.33	49.44
90	65.00	1.25	0	19.57	0.21	19.87	46.92
90	65.00	1.50	0	22.07	0.23	22.40	44.39

EFFECT OF BORROWING OPERATING COST ON RETURNS

90	65.00	1.50	0	22.07	0.23	22.40	44.39
90	65.00	1.50	25	20.01	0.21	20.31	46.47
F 90	65.00	1.50	50	17.95	0.19	18.22	48.56
90	65.00	1.50	75	15.89	0.17	16.12	50.64
90	65.00	1.50	100	13.82	0.15	14.03	52.73

BAD YEARS AND BORROWED MONEY

85	60.00	0.75	0	6.32	0.08	6.42	55.02
G 85	60.00	0.75	25	4.26	0.06	4.32	57.23
85	60.00	0.75	50	2.20	0.03	2.23	59.44
85	60.00	0.75	75	0.14	0.01	0.14	61.64