

SAMPLE COSTS TO PRODUCE ALFALFA - TULELAKE 1963

(MODOC)

Not Including Cost of Water

Yield - 5 ton

Operation	Cost per acre	Total
Clean ditches	\$.30	
Renovate	1.00	
Weevil control, Heptachlor, 10 lbs. applied	2.75	
Irrigate, 4 times, 4 hrs. @ \$1.65	6.60	
Fertilize, application	\$.50	
60 lbs. P ₂ O ₅ @ \$.10	6.00	6.50
TOTAL CULTURAL COSTS		\$ 17.15
Mow, 2 times @\$1.50	3.00	
Rake, 2 times @ \$1.50	3.00	
Bale, 5 ton @ \$4.50	22.50	
Roadside, 5 ton @ \$2.00	10.00	
TOTAL HARVEST COST		38.50
Management, 10% of 5 ton @ \$25.00		12.50
Miscellaneous overhead		2.70
Land cost, \$500.00 @ \$.06	30.00	
Taxes	6.50	
Stand, \$38.00 for 4 years	9.50	
Interest	1.15	10.65
TOTAL COST PER ACRE		118.00

Income Available for Profit and Water

Yield tons	Price per ton				
	\$20.00	\$22.50	\$25.00	\$27.50	\$30.00
4.0	-27.00	-18.00	- 9.00	0	9.00
4.5	-21.25	- 9.15	- 1.00	9.15	19.25
5.0	-15.50	- 4.25	7.00	18.25	29.50
5.5	- 9.75	2.65	15.00	27.40	39.75
6.0	- 4.00	9.50	23.00	36.50	50.00

Net Income Per Acre-Foot of Water at 36 Inches Per Acre

Yield tons	Price per ton				
	\$20.00	\$22.50	\$25.00	\$27.50	\$30.00
4.0	- 9.00	- 6.00	- 3.00	0	3.00
4.5	- 7.08	- 3.05	- .33	3.05	6.42
5.0	- 5.16	- 1.42	2.33	6.08	9.83
5.5	- 3.25	.88	5.00	9.13	13.25
6.0	- 1.33	3.16	7.66	12.16	16.66

SAMPLE COSTS TO PRODUCE ALFALFA HAY - WESTERN SHASTA COUNTY 1963

Not Including Cost of Water

Yield - 6 tons

Flood irrigate

Operation	Hours per acre	Cash and labor cost per acre			Total
		Labor	Fuel repairs	Materials	
Cultural					
Irrigate, 8 times	4.0	5.00	2.00		7.00
Fertilize	.3	.50	.30	50 lb. phosphate @ \$.12 6.00	6.80
TOTAL CULTURAL COST		7.50	2.30	6.00	13.80
Harvest					
Mow, 5 times	2.0	3.30	1.90		5.20
Rake, 5 times	2.0	3.30	1.90		5.20
Bale				6 tons @ \$4.50 27.00	27.00
Haul, 3 men and truck				6 tons @ \$2.50 15.00	15.00
TOTAL HARVEST COST		6.60	3.80	42.00	52.40
Miscellaneous overhead				4.45	
Management 10% of 6 tons @ \$22.00				13.20	
TOTAL MISCELLANEOUS OVERHEAD					17.65
<u>Investment</u>	<u>Per acre</u>	<u>Depreciation</u>	<u>Interest</u>	<u>Taxes & Insurance</u>	
Land	\$500.00		\$30.00		
Irrigation system	50.00	\$ 2.50	1.50	\$.75	
Stand	35.00	6.00	1.05	.55	
Tractor, mower, etc.	45.00	4.50	1.35	.70	
TOTAL INVESTMENT	\$630.00	\$13.00	\$33.90	\$ 8.25	55.00
TOTAL COST PER ACRE					139.00

Net Income Per Acre After Paying All Expenses Except Water At Various Yields and Prices

Yield tons	Price per ton				
	\$18.00	\$20.00	\$22.00	\$24.00	\$26.00
4	-47.00	-39.80	-32.60	-25.40	-18.20
5	-37.80	-28.80	-19.80	-10.80	- 1.80
6	-28.60	-17.80	- 7.00	3.80	14.60
7	-19.40	- 6.80	5.80	18.40	31.00
8	-10.20	4.20	18.60	33.00	47.40

Net Income Per Acre-Foot of Water at 3.6 Feet Per Acre

Yield tons	Price per ton				
	\$18.00	\$20.00	\$22.00	\$24.00	\$26.00
4	-13.05	-11.05	- 9.05	- 7.05	- 5.05
5	-10.50	- 8.00	- 5.50	- 3.00	.50
6	- 7.95	- 4.95	- 1.95	1.05	4.05
7	- 5.40	- 1.90	1.60	5.10	8.60
8	- 2.85	1.50	5.15	9.15	13.15