

1987
SAMPLE COSTS TO ESTABLISH ALFALFA

San Joaquin County

Labor rate \$ 5.50 /hr. tractor operator
\$ 4.50 /hr. irrigators

Operation	Hours per Acre	Labor	Cash and Labor Costs per Acre			Total
			Fuel	Materials Kind and Quantity	Cost	
Land preparation						
Chisel 1x	.40	2.20	9.78			11.98
Disc 2x	.26	1.43	6.10			7.53
Landplane 2x	.34	1.87	6.62			8.49
Border preparation (Custom)						15.00
Weed control				material	18.00	18.00
				application	6.00	6.00
Fertilize	.33	1.82	3.31	750 lbs. 5-15-10 @ \$150/ton	56.25	61.38
Springtooth 3x	.25	1.38	5.29			6.67
Plant						
broadcast by air				custom	6.00	6.00
seed				30 lbs. seed @ \$2.25/lb.	67.50	67.50
cover seed	.10	.55	2.13			2.68
Interest on operating capital @ 14% for 6 mo.						14.75
TOTAL CULTURAL COSTS						226.01
Cash Overhead						
Misc., office, etc.						11.00
Taxes, insurance, repairs						1.18
TOTAL CASH OVERHEAD COSTS						12.18
TOTAL CASH COSTS						238.19
Investment	Per Acre		Annual Cost			
			Depreciation	Interest @ 12%		
Equipment	51.00		5.00	3.00		8.00
TOTAL CASH COSTS PER ACRE						246.19

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SAMPLE COSTS TO PRODUCE ALFALFA
San Joaquin County
1987

4 year stand
7 ton yield
\$ 90.00 per ton received
Labor rate \$ 5.50 /hr. tractor operator
\$ 4.50 /hr. irrigators

Operation	Hours per Acre	Labor	Cash and Labor Costs per Acre			Total
			Fuel	Materials Kind and Quantity	Cost	
Cultural Costs						
Irrigate	5	27.50		4 ac. ft. water @ \$12.50/ ac. ft.	50.00	27.50 50.00
Ditch maintenance	.5	2.75				2.75
Insect control 3x				material application	30.00 15.00	30.00 15.00
Winter weed control				material application	25.00 6.00	25.00 6.00
Fertilizer				Fall application 250 lb/a 11-52-0 application	31.00 3.50	31.00 3.50
Pickup and Truck use						2.83
Interest on operating loan - 6 mo. @ 14% annual						13.55
TOTAL CULTURAL COSTS						207.13
Custom harvest				\$22/ton		154.00
Bankout				\$4.00/ton		28.00
TOTAL HARVEST COSTS						182.00
Cash Overhead						
Misc., office, etc.						10.36
Taxes, insurance, repairs						1.18
Rent - 20% of 7 tons @ \$90/ton						126.00
TOTAL CASH OVERHEAD COSTS						137.54
TOTAL CASH COSTS						526.67
TOTAL COST OF PRODUCTION AT VARYING YIELDS						
Yield/acre (tons)	5	6	7	8	9	10
CASH COSTS/TON*	91.33	80.44	75.24	71.33	66.30	62.27
Investment						
	Per Acre		Annual Cost			
			Depreciation		Interest @ 12%	
Stand		246		62		15
Irrigation system		360		18		22
Equipment		51		5		3
TOTAL		657		85		40
TOTAL COSTS PER ACRE						650.93
COST PER TON @ 7 TON YIELD						92.99
COST PER TON @ 6 TON YIELD						100.24

* Adjusted for reduced rent and harvest costs at lower yield
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