

Projected Costs to Produce Alfalfa  
Napa County 1983

Yield	7.00 tons per acre
Labor rate	
tractor	9.50 per hour
irrigate	7.00 per hour
Stand life	5.00 years

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OPERATION	TOTAL COST
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Cultural costs:

irrigate - 5 hrs. labor	35.00
ditch maintenance	0.70
insect control:	
material	15.00
application	7.50
winter weed control:	
material	29.00
application	6.00
interest on operating capital 6 mo @ 13%	6.06
<b>TOTAL CULTURAL COSTS</b>	<b>99.26</b>

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Harvest costs - 5 cuttings

swath	21.95
rake	14.50
bale	24.00
baling wire	19.81
roadside	11.29
<b>TOTAL HARVEST COST</b>	<b>91.54</b>

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OVERHEAD COST - 8% of cash costs 15.26

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Ownership costs

	depreciation	interest	total
equipment	29.67	21.80	51.47
stand establishment	83.41	25.02	108.43
<b>TOTAL OWNERSHIP</b>	<b>113.08</b>	<b>46.82</b>	<b>159.90</b>

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**TOTAL PRODUCTION COST @ 7 ton yield 365.97**

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COSTS TO PRODUCE ALFALFA AT VARYING YIELDS  
5 year stand

	Tons Per Acre			
	5.00	6.00	7.00	8.00
operating costs	99.26	99.26	99.26	99.26
harvest cost	85.88	88.71	91.54	94.37
overhead cost	14.81	15.04	15.26	15.49
total cash costs	199.95	203.01	206.06	209.12
Investsment cost	159.90	159.90	159.90	159.90
TOTAL COST/ACRE	359.85	362.91	365.96	369.02
TOTAL COST/TON	71.97	60.48	52.28	46.13

INCOME ABOVE CASH COSTS AT VARYING YIELDS AND PRICE

\$/Ton	Tons per Acre			
	5.00	6.00	7.00	8.00
80.00	200.05	276.99	353.94	430.88
90.00	250.05	336.99	423.94	510.88
100.00	300.05	396.99	493.94	590.88
110.00	350.05	456.99	563.94	670.88
120.00	400.05	516.99	633.94	750.88

INCOME ABOVE TOTAL COSTS AT VARYING YIELDS AND PRICE

\$/Ton	Tons per Acre			
	5.00	6.00	7.00	8.00
80.00	40.15	117.09	194.04	270.98
90.00	90.15	177.09	264.04	350.98
100.00	140.15	237.09	334.04	430.98
110.00	190.15	297.09	404.04	510.98
120.00	240.15	357.09	474.04	590.98

Projected Costs to Establish Alfalfa  
Napa County 1983

Fall Planting

Labor rate

tractor 9.50 per hour  
irrigator 7.00 per hour

OPERATION	LABOR	FUEL	MATERIALS	TOTAL
<b>CULTURAL COSTS</b>				
Land preparation - contract				
rip				80.00
disc				25.00
harrow & roll				5.00
land plane				30.00
shape burms				5.00
Fertilize	3.14	3.30	36.00	42.44
Plant				
seed - 25 # coated seed @ \$2.50/lb				62.50
drill rental & operation	2.38	1.60	0.50	4.48
Sprinkle up				
water - 6" pumped @ \$20/ac. ft.				10.00
sprinkler rental				23.00
labor	10.50			10.50
Weed control - custom	3.50		7.00	10.50
Interest on operating capital - 9 mo. @ 13%				30.07
<b>TOTAL CULTURAL COSTS</b>				<b>338.48</b>
<b>OVERHEAD COSTS - 8% of cash costs</b>				<b>27.08</b>
<b>OWNERSHIP COSTS - Interest + depreciation</b>				<b>51.48</b>
<b>TOTAL ESTABLISHMENT COSTS</b>				<b>417.04</b>