

Agricultural Extension
Santa Barbara County

ESTABLISH an ALFALFA STAND
Sprinkler Irrigation - Coastal Area
1974 - Cost Analysis Work Sheet

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					Operating Costs/hour					
					Fuel & Repairs	Deprec.	Interest	Total		
Equipment Operator - \$3.83* Per hr. total					CT-Crawler Tractor 80 hp	\$6.55	\$2.60	\$1.98	\$11.13	
Other Labor - \$2.98* Per hr. total					WT-Wheel tractor 60 hp	2.70	1.60	.80	5.10	
					SWT-Wheel Tractor 40 hp	2.10	1.45	.72	4.27	
Operation	Tractor	Acres /hour	Hours /acre	Labor	Fuel & Repairs	Materials		Cost/Acre		
						Kind and Amount	Costs	Sample	Yours	
Cultural Costs		Ac.	Hr.	\$	\$		\$	\$		
Disc 3x	CT	1.25	.75	2.87	4.91				7.78	
Plow	WT	1.25	.75	2.87	2.02				4.89	
Landplane	CT	2.00	.50	1.92	3.28				5.20	
Fertilize-custom						100 lbs P ₂ O ₅ + Applic. \$4	34.00		34.00	
Plant	SWT	4.00	.25	.96	2.02	Seed-30 lbs @ \$1.20/lb.	36.00		38.98	
Ring roll	SWT	4.00	.25	.96	2.02				2.98	
Sprinkler 3x		.60	1.67	4.98		Water - .5 ac. ft. @ \$9	4.50		9.48	
Repairs to equipment					7.00				7.00	
Total Cultural Costs			4.17	\$14.56	\$21.25		\$74.50		\$110.31	
Business & Miscellaneous Costs						6% of cultural costs			6.62	
Depreciation & Interest						Depreciation	Interest - 8%			
			CT-tractor 1.25 hrs.		\$ 3.25	\$ 2.48				
			WT-tractor .75 hrs.		1.20	.60				
			SWT-tractor .50 hrs.		.73	.36				
			Stand establishment share other equipment (\$30 - 10 years)		3.00	1.20				
Total Depreciation & Interest						\$ 8.18	\$ 4.64		\$ 12.82	
Total Cost to Establish Stand									\$129.75	

*Social Security, Workman's Compensation included.

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ALFALFA YIELD - 36 green tons or
8.5 dry tons/acre

Equipment Operator - \$3.83* per hr. total
Other Labor - 2.98* per hr. total

Operating Costs/hour

	Fuel & Repairs	Deprec.	Interest	Total
SWT-tractor 40 hp	\$ 2.10	\$1.45	\$.72	\$ 4.27
SPC-chopper & wagon	11.05	5.09	2.55	18.69
S-swather	3.85	3.00	1.50	8.35

Operation	Trac- tor	Acres /hour	Hours /acre	Labor	Fuel & Repairs	Materials		Cost/Acre	
						Kind and Amount	Costs	Sample	Yours
Cultural Costs									
Irrigate 14x		.07	14.00	41.72	7.75	Water - 4 ac. ft. @ \$9	36.00	85.47	
Fertilizer						P ₂ O ₅ - 100 lbs + Applic. \$1.50	31.50	31.50	
Gopher control bait, machine	SWT	5.00	.20	.77	.42	Poison grain - \$1.60/acre	1.60	2.79	
Repairs to Equipment					1.00			1.00	
Total Cultural Costs			14.20	\$42.49	\$ 9.17		\$69.10	\$120.76	
Harvesting Costs									
Cut & Windrow 7x	S	.57	1.75	6.70	6.75			13.45	
Chop into Wagon 7x	SPC	.36	2.80	10.72	30.94			41.66	
Total Harvesting Costs			4.55	\$17.42	\$37.69			\$ 55.11	
Rent (total)				59.91				125.00	
Business & Miscellaneous Costs						6% of cultural, harvest costs & rent		18.05	
Depreciation & Interest									
						<u>Depreciation</u>	<u>Interest - 8%</u>		
						SWT-tractor - .2 hr	\$.29	\$.14	
						SPC-chopper & wagon-2.8 hr.	14.25	7.14	
						S-Swather- 1.75 hr.	5.25	2.63	
						Alfalfa Stand (\$129.75 cost-3 yrs.)	43.25	5.19	
						Irrigation, other equip. (\$260 - 15 yrs.)	17.33	10.40	
Total Depreciation & Interest							\$80.37	\$25.50	\$105.87
Total Cost Per Acre									\$424.79
Cost Per Green Ton									11.80

*Social Security, Workman's Compensation included.