

SAMPLE COSTS TO PRODUCE ALFALFA HAY IN KINGS COUNTY

COST ANALYSIS WORK SHEET - 1974

Based on an average yield of 8 tons per acre over a 3-year stand life. Man labor at \$2.00 per hour, and equipment at \$3.50, which includes employer's Social Security and Workman's Compensation insurance payments. 50 h.p. wheel diesel tractor per hour cash costs \$2.29, depreciation \$1.15, and interest .57.

O. D. MCCUTCHEON, KINGS COUNTY FARM ADVISOR AND EDWARD A. YEARY, FARM ADVISOR-STATEWIDE

	SAMPLE COSTS		MY COSTS	
	PER ACRE	PER TON	PER ACRE	PER TON
Pre-Harvest Cash Costs:				
Irrigate 13 times: Labor 8 Hours	\$ 23.20			
Power for 4½ ac. ft. water @ \$6.50	29.25			
Fertilize: 100 Lbs. of P ₂ O ₅ from 11-48-0 @ \$240/ton	23.04			
Bulk spreading of fertilizer	2.00			
Weed Control: Including application	8.40			
Insect Control: Total	6.00			
Taxes	18.00			
Repairs to irrigation system and equipment, except tractor	12.00			
Misc. labor, materials, 1 Hr. man & tractor	8.40			
Business expense, office, car, etc.: 6% of pre-harvest and harvest costs	12.82			
TOTAL PRE-HARVEST CASH COSTS	\$ 143.11	\$ 17.89		
Harvesting Costs:				
Swath 7 x: Contract \$3.00/acre/time	\$ 21.00			
Turn: Contract, 7 x @ \$1.25/time	8.75			
*Bale: Contract, \$4.50 per ton	36.00			
Roadside: Contract, \$2.20 per ton	17.60			
TOTAL HARVESTING COSTS	\$ 83.35	\$ 10.42		
TOTAL CASH COSTS	\$ 226.46	\$ 28.31		
Depreciation:				
Irrigation system & equipment---\$220 - 15 Yr. Life	\$ 14.67			
Tractor: 1 Hr.	1.15			
Stand: Cost \$129.78 - 3 Yrs.	43.26			
TOTAL DEPRECIATION	\$ 59.08	\$ 7.38		
TOTAL CASH AND DEPRECIATION COSTS	\$ 285.54	\$ 35.69		
Interest on Investment at 8%:				
Irrigation System & Equipment---½ cost \$110	\$ 3.80			
Tractor 1 Hr.	.57			
Stand: ½ cost \$64.89	5.19			
Land: \$1,000 per acre	80.00			
TOTAL INTEREST ON INVESTMENT	\$ 94.56	\$ 11.82		
TOTAL COST OF PRODUCTION	\$ 380.10	\$ 47.51		

No allowance has been included for the cost of management.

No income from winter sheep grazing or green chopping has been indicated, although this is often earned by hay growers.

*Contracts for baling will vary with the cost of wire.

(OVER)

ALFALFA HAY PRODUCTION

KINGS COUNTY - 1974.

SAMPLE COSTS PER TON AT VARYING YIELDS

YIELD: Tons Per Acre	6	7	9	11
CASH COSTS Per Ton	\$23.85	\$20.44	\$15.90	\$13.01
CASH & DEPRECIATION COSTS PER TON	\$45.36	\$39.83	\$32.47	\$27.79
TOTAL COSTS PER TON	\$61.12	\$53.34	\$42.98	\$36.38

SAMPLE COSTS PER TON AT INDICATED YIELDS PER ACRE

WITH VARYING WATER COSTS

YIELD: TONS PER ACRE	TOTAL COST* OF ALFALFA HAY PER TON AT THE INDICATED WATER COST PER ACRE FOOT			
	\$4.00	\$6.00	\$8.00	\$10.00
6	\$59.24	\$60.74	\$62.24	\$63.74
7	\$51.74	\$53.02	\$54.31	\$55.59
9	\$41.73	\$42.73	\$43.73	\$44.73
11	\$35.36	\$36.18	\$37.00	\$37.81

*Investment per acre in the irrigation system was assumed to be constant in this table.