

O A T H A Y - D R Y L A N D

Cost Analysis Work Sheet - 1974

OAT HAY YIELD - 2.5 tons/acre

						Operating Costs/hour				
						Fuel & Repairs	Deprec.	Interest	Total	
						CT-Crawler tractor 80 hp	\$ 6.55	\$ 2.60	\$ 1.98	\$11.13
						WT Wheel tractor 60 hp	2.70	1.60	.80	5.10
Equipment Operator - \$3.83* per hr. total										
Operation	Trac- tor	Acres /hour	Hours /acre	Labor \$	Fuel & Repairs \$	Materials		Cost/Acre		
						Kind and Amount	Costs \$	Sample \$	Yours	
Cultural Costs										
Disc 2x	CT	2.0	.5	1.92	3.28			5.20		
Sub Soil (1/2 acreage each year)	CT	3.3	.3	1.15	1.97			3.12		
Fertilizer						Nitrogen-70 lbs + Applic. \$2	18.80	18.80		
Plant	WT	5.0	.2	.77	.54	Seed-70 lbs @ \$10/cwt.	7.00	8.31		
Weed Control						2,4-D applied	3.50	3.50		
Repairs to equipment					2.75			2.75		
Miscellaneous							1.35	1.35		
Total Cultural Cost			1.0	\$3.84	\$ 8.54		\$30.65	\$ 43.03		
Harvesting Costs										
Swath						Contract	5.00	5.00		
Bale						2.5 ton @ \$5.50	13.75	13.75		
Haul to Storage						2.5 ton @ \$4.50	11.25	11.25		
Total Harvest Cost							\$30.00	\$ 30.00		
Total Cultural & Harvest Cost								\$ 73.03		
Rent						25% of 2.5 ton @ \$65		\$ 40.63		
Miscellaneous Overhead						6% of cultural, harvest & rent		6.82		
Depreciation & Interest										
						Depreciation	Interest 8%			
						CT-Crawler tractor - .8 hr.	\$ 2.08	\$ 1.58		
						WT-Wheel tractor - .2 hr	.32	.16		
						Other equipment \$30 - 10 years	3.00	1.20		
Total Depreciation & Interest							\$ 5.40	\$ 2.94	\$ 8.34	
Cost per Acre									\$128.82	
Cost per Ton @ 2.5 Yield									51.53	

*Social Security, Workman's Compensation included

OAT HAY-DRYLAND - PROFITS AS AFFECTED BY YIELD AND PRICE

Yield Tons/Acre	Total Production Cost/Acre	Value of Oat Hay/Ton				
		\$ 55.00	\$ 60.00	\$ 65.00	\$ 70.00	\$ 75.00
		\$ Profit or Loss Per Acre				
1.0	\$113.82	-58.82	-53.82	-48.82	-43.82	-38.82
1.5	118.82	-36.32	-28.82	-21.32	-13.82	- 6.32
2.0	123.82	-13.82	- 3.82	+ 6.18	+16.18	26.18
2.5	128.82	+ 8.68	21.18	33.68	46.18	58.68
3.0	133.82	+31.18	46.18	61.18	76.18	91.18
3.5	138.82	53.68	71.18	88.68	106.18	123.68
4.0	143.82	76.18	96.18	116.18	136.18	156.18
4.5	148.82	98.68	121.18	143.68	166.18	188.68
5.0	153.82	121.18	146.18	171.18	196.18	211.18

Agricultural Extension
University of California
Santa Barbara County

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