

OAT HAY - DRYLAND

1987 Cost Analysis Work Sheet
Santa Barbara County

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Cooperative Extension

YIELD: 2 1/2 tons per acre

Labor Costs*					Tractor Operating Costs/Hour				
Wages/Hour					Fuel & Rep. Deprec. Interest Total				
Equipment Operator - \$8.60 per hr. total					HWT - Wheel Diesel 150 hp \$14.20 \$3.90 \$2.38 \$20.48				
Other Labor 6.55 per hr. total					MWT - Wheel Diesel 80 hp 8.00 2.50 1.38 11.88				
Operations	Trac- tor	Acres /Hour	Hours /Acr	Labor	Fuel & Repairs	Materials Kind and Amount	Costs	Cost/Acre Sample Your Cost	
Cultural Costs		Ac	Hr	\$	\$		\$	\$	\$
Disc 2x	HWT	5.0	.40	3.44	5.68			9.12	
Chisel	HWT	2.2	.45	3.87	6.39			10.26	
Fertilize & Harrow	HWT	5.0	.20	1.72	2.84	Nitrogen - 100 lbs @ \$.22, equipment rental \$1.50	23.50	28.06	
Plant	HWT	4.0	.25	2.15	2.00	Seed 100 lbs @ \$12.80	12.80	16.95	
Weed Control						Herbicide \$5, Applic. \$7.50	12.50	12.50	
Repairs to Equipment					4.40			4.40	
Miscellaneous			.50	3.28	2.00	Fire Insurance	.25	5.53	
Interest on Operating Capital - 12%							10.41	10.41	
TOTAL CULTURAL COSTS			1.80	14.46	23.31		59.46	97.23	
Harvesting Costs									
Swath						Custom	5.60	5.60	
Bale						2.5 T @ \$9/T, 17 bales @ \$.53	22.50	22.50	
Roadside						2.5 T @ \$4/T, 17 bales @ \$.24	10.00	10.00	
TOTAL HARVEST COSTS								38.10	
Rent - 20% of 2.5 T @ \$90								45.00	
Business and Office Costs - 5% of cultural, harvest, rent								9.02	
Depreciation and Interest									
						<u>Depreciation</u>	<u>Interest 11%</u>		
						HWT - tractor \$ 4.10	\$ 2.50		
						MWT - tractor .62	.35		
						Other Equipment \$78 7.80	4.29		
TOTAL DEPRECIATION AND INTEREST						\$12.52	\$ 7.14	19.66	
TOTAL COST PER ACRE								209.01	
TOTAL COST PER TON								83.60	

*Social Security, Workman's Compensation, Insurance Included

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PROFITS AS AFFECTED BY YIELD AND PRICE

Yield Tons/Acre	Total Production Costs/Acre	Oat Hay Price Per Ton						
		\$ 70.00	\$ 75.00	\$ 80.00	\$ 85.00	\$ 90.00	\$ 95.00	\$100.00
1.0	\$157.09	- 87.09	- 82.09	- 77.09	- 72.09	- 67.09	- 62.09	- 57.09
1.5	\$174.39	- 69.39	- 61.89	- 54.39	- 46.89	- 39.39	- 31.89	- 24.39
2.0	\$191.69	- 51.69	- 41.69	- 31.69	- 21.69	- 11.69	- 1.69	+ 8.31
2.5	\$209.01	- 34.01	- 21.51	- 9.01	+ 3.49	+ 15.99	+ 28.49	+ 40.99
3.0	\$226.29	- 16.29	- 1.29	+ 13.71	+ 28.71	+ 43.71	+ 58.71	+ 73.71
3.5	\$243.59	+ 1.41	+ 18.91	+ 36.41	+ 53.91	+ 71.41	+ 88.91	+106.41
4.0	\$260.89	+ 19.11	+ 39.11	+ 59.11	+ 79.11	+ 99.11	+119.11	+139.11
4.5	\$278.19	+ 36.81	+ 59.31	+ 81.81	+104.31	+126.81	+149.31	+171.81
5.0	\$295.49	+ 54.51	+ 79.51	+104.51	+129.51	+154.51	+179.51	+204.51

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