

COOPERATIVE EXTENSION UNIVERSITY OF CALIFORNIA
Placer and Nevada Counties

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SAMPLE PRODUCTION COSTS

WHEAT, OATS AND BARLEY - RENTED LAND 1976

Placer County cereal grain production totaled 15,000 acres in 1974. Cereal grains are grown in the Valley area of the county. Dry-farmed grain is grown under the summer fallow system, i.e., a crop is grown every other year.

SOILS: Most of the dry-farmed cereals are grown on the San Joaquin, Rocklin, and Whitney soils.

VARIETIES: Popular varieties include Atlas, Arivat, and Grande barley; Sierra, Curt, and California Red Oats; Pitic 62, Onas 53, and Nainari wheat.

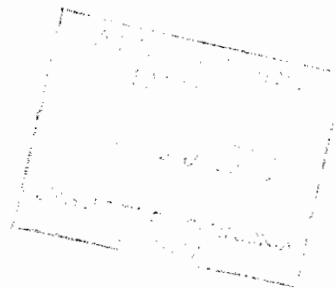
PLANTING: September, October, and November are the usual planting months. Some winter sowing is done during January and February. 70-85 pounds seed is planted per acre.

FERTILIZATION: 16 to 30 pounds nitrogen and 9 to 17 pounds phosphorous {20-40 lbs. P_2O_5 } applied per acre at planting time is the common practice.

HARVESTING: Most grain is harvested in June and July. Grain is combined when the grain is below 15% moisture.

WEED CONTROL: Most broadleaved weeds can be controlled with 2,4-D and other chemical sprays. Time and rate of application is critical.

The Sample Cost of Production is based on a 1000 acre farming operation on rented land. Half of the acreage is summer fallowed each year, and half is used to produce dryland grain.



1976 - 200 copies

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Cooperative Extension work in Agriculture and Home Economics, United States Department of Agriculture, University of California, and Placer County cooperating.

SAMPLE COSTS TO PRODUCE
WHEAT, OATS & BARLEY ON RENTED LAND

Production Data: 1600 lbs./acre yield on 1000 acre farm, 500 acres cropped annually. Labor at \$2.85 and \$3.45 incl. fringe benefits.

Operation	Hours Per Acre	Cash and Labor Cost per Acre			Total
		Labor	Fuel & Repairs	Materials	

CULTURAL COSTS:

Fallow Year

Plow	\$.20	\$.70	\$ 1.80		\$ 2.50
Disk 2X	.30	1.05	2.60		3.65

Crop Year

Planting	.15	.55	.60		1.15
Fertilizer				25 lbs.N at 30¢	7.50
				13 lbs.P at 20¢	2.60

Seed				80 lbs./ac. at \$10/cwt	8.00
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Weed Control				Contract - plane	2.00
				3/4 lb. 2,4-D Amine	1.50

Equipment Repair	.50	1.75			1.75
Misc. labor, materials, etc.		3.00	1.00		2.00

Interest on operating capital					1.65
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TOTAL CULTURAL COSTS		\$7.05	\$6.00		\$25.25
					\$38.30

HARVEST COSTS:

Combine	\$.25	\$.85	\$ 1.65		\$ 2.50
Haul	.20	.70	.85		1.55

TOTAL HARVEST COSTS		\$1.55	\$2.50		\$4.05
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CASH OVERHEAD:

Misc., office, etc.					\$ 3.05
Rent		1/4 of gross (less 1/4 fertilizer)			12.45

TOTAL CASH OVERHEAD					\$15.50
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TOTAL CASH COST		\$8.60	\$8.50		\$40.75
					\$57.85

Management	5% of 16 cwt at \$3.45				\$ 2.75
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INVESTMENT:	Per Acre	Annual Cost		TOTAL
		Depreciation	Interest 8%	
Buildings	\$ 20.00	\$ 1.00	\$.80	
Equipment	147.00	14.70	5.90	
TOTAL	\$167.00	\$15.70	\$6.70	\$22.40

TOTAL COST PER ACRE					\$83.00
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Cost per cwt at 16 cwt yield					\$ 5.19
at 12 cwt yield					\$ 6.47
at 20 cwt yield					\$ 4.30

Prepared by:

UC Cooperative Extension

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EQUIPMENT INVESTMENT
FOR WHEAT, OATS, BARLEY PRODUCTION

Item	Cost	Operation Cost per Hour
Tractor, 90 hp crawler	\$60,000	\$7.50
Plow, 2	7,000	1.60
Offset disk	2,400	1.10
Grain drill, 2	6,600	2.65
Harrow	1,700	.80
Combine, SP	20,000	6.50
Truck, 2	16,000	.13/mile
Pickup	5,000	.08/mile
TOTAL INVESTMENT	\$118,700	

Per acre on 1000 acres for } \$90,400 = \$90.40 }	=	\$	147.00
Per acre on 500 acres for } \$28,300 = \$56.60 }			
Depreciation per acre	\$		14.70
Interest per acre	\$		5.90