

SACRAMENTO COUNTY

March - 1965

Agriculture

• Notes from the Sacramento County Farm Advisor •

BARLEY FACT SHEET

Areas of Adaptation: Deeper soil upland areas, row crop area.

Planting Dates: November-December 15, upland area
November-December 15, row crop areas

Harvest Dates: June 1-July 15, when grain contains 14% moisture or less, 10% preferred.

Soil Requirements: Sandy loams to clays, drainage necessary

Varieties: (1) Arivat; (2) California or Blanco Mariout for late plantings

Seeding Rates: 80 lbs. drilled, 100 lbs. broadcast. For late plantings increase rates 10 to 20 lbs. per acre.

Fertilizer Requirements: Upland, 15-25 lbs. per acre Nitrogen, 9-13 lbs. P (20-30 lbs. P_2O_5)
Row crop areas, 0-60 lbs. nitrogen (base on previous crop history), 9 lbs. P (20 lbs. P_2O_5), organic soils

Irrigation: Usually none

Rotation: Non-irrigated areas, barley--pasture--summer fallow, or barley--summer fallow. Irrigated areas, dry farmed crop every four years or more.

Normal Yield: Upland, 1500 lbs.--(500-2500 lbs.)
Row crop areas, 3500 lbs.--(2500-5000 lbs.)

Special Insect Pests: Usually none, occasionally wireworms, aphids

Disease Problems: Barley is least resistant of cereals to saturated soil conditions. Yellow Dwarf most serious disease. Scald, mildew, net blotch are occasional problems.

Weed Control: 12 oz. 2,4-D amine per acre for broadleaf weed control. One-third pound Carbyne per acre for wild oats.

Reference: "Barley Production in California", U.C. Manual 28 - \$.25
"Grain Fertilization in California", U.C. Bulletin 775

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SAMPLE COSTS TO PRODUCE SMALL GRAINS, SUMMER FALLOW ON UPLAND SOIL

1500 Lbs. per Acre

Labor Costs* per Hour: Tractor Driver
Truck Driver

\$1.75
1.50

Operation	Hours Per Acre	Cash and Labor Cost per Acre				Total
		Labor	Fuel and Repairs	Materials		
				Kind and Quantity	Cost	
Cultural						
Plow	Mar.-Apr.	.4	\$.70	\$.74		\$ 1.44
Disk	Apr.-May	.3	.53	.57		1.10
Disk-Harrow:	November	.3	.53	.59		1.12
Drill and Fertilize	November	.25	.44	.33	Seed 80# @ \$3.50 cwt \$ 2.80 24# N @ \$.10 lb. 2.40 13# P @ \$.25 lb. 3.25 2,4-D applied 1.75	19.22 1.75
Weed Control	February	Contract				
TOTAL CULTURAL COSTS		1.25	\$2.20	\$2.23	\$10.20	\$14.63
Harvest						
Combine	June	Contract			\$.40/cwt \$ 6.00	\$ 6.00
Haul	June	Contract			\$2.00/ton 1.50	1.50
TOTAL HARVEST COSTS					\$ 7.50	\$ 7.50
Cash overhead						\$ 1.11
Misc., office, etc.						.35
Taxes						8.25
Rent	1/4 Share Rent					
TOTAL CASH OVERHEAD						\$ 9.71
TOTAL CASH COST						\$31.84
Management 5% of 1500 lbs. @ \$2.20						\$ 1.65
Equipment Depreciation						\$ 3.78
Interest						1.13
TOTAL EQUIPMENT DEPRECIATION AND INTEREST						\$ 4.91
TOTAL COST PER ACRE						\$38.40
COST PER CWT @ 1500 Lbs. Yield						\$ 2.56

* Includes social security, workmen's compensation, etc.