

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

Prepared by T. S. Torngren and P. S. Parsons

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SAMPLE COSTS TO PRODUCE SMALL GRAINS ON ROW CROP AREAS

3500 Lbs. per Acre

Labor Costs* per Hour: Harvester Operator \$2.25
 Tractor Driver 1.75
 Truck Driver 1.50

Operation	Date	Hours per Acre	Cash and Labor Cost per Acre				Total
			Labor	Fuel and Repairs	Materials		
		Kind and Quantity			Cost		
Cultural							
Plow	November	.3	\$.53	\$.81			\$ 1.34
Disk 2X	Nov.-Jan.	.5	.88	1.30			2.18
Harrow	Nov.-Jan.	.1	.18	.22			.40
Fertilize	Nov.-Jan.	.2	.35	.28	40# N @ \$.10	\$ 4.00	
					13# P @ \$.25	3.25	
					Tagalong \$.50/A	.50	8.38
Drill	Nov.-Jan.	.25	.44	.33	100# @ \$3.50	3.50	4.27
Weed Control	February	.2	.35	.34	2,4-D Amine @ \$.75	.75	1.44
TOTAL CULTURAL COSTS		1.55	\$2.73	\$3.28		\$12.00	\$18.01
Harvest							
Combine	June	.35	\$.79	\$1.51			\$ 2.30
Haul	June	Contract			\$2.00 per ton	\$ 3.50	3.50
TOTAL HARVEST COSTS		.35	\$.79	\$1.51		\$ 3.50	\$ 5.80
Cash overhead							
Misc., office, etc.							\$ 1.19
Taxes							1.00
Rent	1/3 Share Rent						25.66
TOTAL CASH OVERHEAD							\$27.85
TOTAL CASH COST							\$51.66
Management 5% of 3500 lbs. @ \$2.20							\$ 3.85
Equipment Depreciation \$10.65, Interest \$3.20							\$13.85
TOTAL COST PER ACRE							\$69.36
COST PER CWT at 3500 lb. yield							\$ 1.98

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