

SAMPLE COSTS TO PRODUCE BARLEY AND WHEAT
Sutter County - March 1970

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Production data: Yield 3,000 lbs. Labor \$2.20 and \$1.90, including Social Security and Compensation Insurance. Based on 200 acres in a 1,000 acre farm operation.

Operation	Hours Per Acre	Labor	Fuel and repairs	Cash and labor cost per acre		Total
				Kind and Quantity	Materials Cost	
Cultural costs						
Plow	.4	.90	1.30			2.20
Disk 2x		.90	1.70			2.60
Harrow 2x	.2	.45	.35			.80
Fertilize	.2	.45	.30	Nitrogen 80 lb/A or N & P	\$5.00	8.75
Plant	.3	.65	.60	Seed 100 lb/A	4.50	5.75
Weed spray	.2	.45	.80	2,4-D 1/2 lb/A	.50	1.75
Misc.	.5	1.10	.60		1.30	3.00
TOTAL CULTURAL COSTS		4.90	5.65		14.30	24.85

Harvest costs						
Combine				3,000 lb @ 32¢		9.60
Haul				1-1/2 T. at 2.50		3.75
TOTAL HARVEST COSTS						13.35

Cash overhead						
Misc., office, etc.					3.50	
Taxes				1/2 charged to barley	5.00	
TOTAL CASH OVERHEAD						8.50

TOTAL CASH COST 46.70

Management 5% of 3,000 @ \$2.00 cwt. 3.00

INVESTMENT	Per Acre	Annual Cost		
		Depreciation	Interest (7%)	
Land	900		31.50 (1/2 year)	
Equipment	80	8.00	2.80	
Total	980	8.00	34.30	42.30

TOTAL COST PER ACRE 92.00

Cost per cwt. @ 3,000 lb. yield 3.07

BARLEY CULTURAL BRIEFS

Areas Adapted: Row crop areas and deeper soil in upland areas.

Planting Dates Optimum Range: November 15 - January 15

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

Soil Requirement: Sandy loams to clays, drainage necessary.

Varieties: Barley - Old established (1) Arivat (2) California or Blanco Mariout.
Released in 1965 - Grande - an eye appeal feed barley which growers prefer in wet areas. Probably replaces Atlas 57.

Released in 1967 - Briggs - will probably replace Arivat. Has greatest potential for our area. Numar - will probably replace California Mariout. Briggs appears to be more adapted to our area.

Seeding Rates: 80 lbs. drilled, 100 lbs. broadcast. For late plantings increase 10-20 lb/A.

Fertilizer Requirements: Row crop areas - 50-80 lbs. nitrogen per acre preplant and possibly top dressing (consider previous crop history). Red Soils - 20-40 lb. nitrogen per acre plus 20-30 lbs. P_2O_5 (10-15 lb P) phosphorus.

Irrigation: Usually none. However, in dry spring irrigation should be considered.

Rotation: Double crop with grain sorghum, double crop with beans, or barley and summer fallow, rice land, etc.

Economic Insect Pests: Usually none. Occasionally aphids and wireworms.

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

Weed Control: 2,4-D for broadleaf weed control. Bromoxynil (Brominil, Buctril^(R)) for fiddleneck (*Amsinckia*) control. Avadex BW for wild oat control.

References: Manual 28 Barley Production in California - 25¢.
UC Bulletin 775 Grain Fertilization in California