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

Leonard Buschmann, Farm Advisor - Dr. Doyle Reed, Extension Economist 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.

Hours Four Fuel and Kind and Quantity Cost Total Costs Plow .4 .90 1.30 .2.					Cash and labor cost per acre	
Operation Acre Labor repairs Cultural costs Plow .4 .90 1.30 2. Disk 2x .90 1.70 2. 2. Harrow 2x .2 .45 .35 Nitrogen 80 lb/A or N & P \$5.00 8. Plant .3 .65 .60 Seed 100 lb/A 4.50 5. Plant .3 .65 .80 2,4-D l/2 lb/A .50 1. Meed spray .2 .45 .80 2,4-D l/2 lb/A .50 1. Misc. .5 1.10 .60 1.30 3. 1. Marvest costs Combine 3,000 lb @ 32¢ 9. 9. Haul 1-1/2 T. at 2.50 3. 3. Misc., office, etc. Taxes 1/2 charged to barley 5.00 MISC. office, etc. Taxes 1/2 charged to barley 5.00 MADALE CASH COST 46. 46. Management 5% of 3,000 @ \$2.00 cwt. 3.50 In		Hours				
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Harrow 2x		• 4				2.6
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Combine	Misc.	• 5	1.10	• 60	1.30	3.0
Combine	POTAL CULTURAL	COSTS	4.90	5.65	14.30	24.8
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Cotal 980 8.00 34.30 42.3	Land	9	00		31.50 (1/2 year)	
	Equipment		80	8.00	2.80	
TOTAL COST DED ACDE	otal	9	80	8.00	34.30	42.30
	TOTAL COCT D	ED AGDE		-		92.00

@ 3,000 lb. yield

3.07

Cost per cwt.

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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 4 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.
- possibly top dressing (consider previous crop history). Red Soils 20-40 lb. nitrogen per acre plus 20-30 lbs. P₂0₅ (10-15 lb P) phosphorus.

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

Fertilizer Requirements: Row crop areas - 50-80 lbs. nitrogen per acre preplant and

- irrigation. Osdarry home. However, in dry spring rirrigation 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

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