

**SACRAMENTO COUNTY**

March - 1965

*Agriculture*

• Notes from the Sacramento County Farm Advisor •

BARLEY FACT SHEETAreas of Adaptation: Deeper soil upland areas, row crop area.Planting Dates: November-December 15, upland area  
November-December 15, row crop areasHarvest Dates: June 1-July 15, when grain contains 14% moisture or less, 10% preferred.Soil Requirements: Sandy loams to clays, drainage necessaryVarieties: (1) Arivat; (2) California or Blanco Mariout for late plantingsSeeding 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 soilsIrrigation: Usually noneRotation: 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, aphidsDisease 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 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						
<b>Cultural</b>							
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
<b>TOTAL CULTURAL COSTS</b>		<b>1.55</b>	<b>\$2.73</b>	<b>\$3.28</b>		<b>\$12.00</b>	<b>\$18.01</b>
<b>Harvest</b>							
Combine	June	.35	\$ .79	\$1.51			\$ 2.30
Haul	June	Contract			\$2.00 per ton	\$ 3.50	3.50
<b>TOTAL HARVEST COSTS</b>		<b>.35</b>	<b>\$ .79</b>	<b>\$1.51</b>		<b>\$ 3.50</b>	<b>\$ 5.80</b>
<b>Cash overhead</b>							
Misc., office, etc.							\$ 1.19
Taxes							1.00
Rent	1/3 Share Rent						25.66
<b>TOTAL CASH OVERHEAD</b>							<b>\$27.85</b>
<b>TOTAL CASH COST</b>							<b>\$51.66</b>
Management 5% of 3500 lbs. @ \$2.20							\$ 3.85
Equipment Depreciation \$10.65, Interest \$3.20							\$13.85
<b>TOTAL COST PER ACRE</b>							<b>\$69.36</b>
COST PER CWT at 3500 lb. yield							\$ 1.98

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