

*Agricultural Briefs*

SACRAMENTO COUNTY

WHEAT AND BARLEY ON DELTA PEAT LAND - 1975

- Planting Dates: Wheat - November 15 - January 15.  
Barley - December - March 15, plant wet areas after February 15.
- Harvest Dates: Wheat - June 20 - August 1.  
Barley - June 10 - July 20
- Varieties: Wheat - Inia 66R, Anza, Siete Cerros 66.  
Barley - Briggs to January 15, CM67 after January 15.
- Seeding Rates: Wheat - 120-150 lbs/ac Anza, 100-120 other varieties.  
Barley - 110-120 pounds per acre.
- Fertilizer: 180 to 200 pounds/acre 8-32-0 drilled under seed + 50 pounds Nitrogen per acre top dressed, late tiller or early boot.
- Irrigation: Set up for irrigation at planting, which will provide drainage also. Irrigate when needed.
- Rotation: Useful for drying out sub-irrigated soil. This helps in restoring row crop productivity and in weed control.
- Normal Yield: 4,000 to 6,000 pounds per acre.
- Insect Pests: Usually none, occasionally wireworms and aphids.
- Disease Problems: Wheat - Stripe rust can be devastating on non-resistant varieties. Yellow dwarf, powdery mildew and root rot are occasional problems.  
Barley - is least resistant of cereals to saturated soil condition. Yellow dwarf is most serious. Scald, powdery mildew, net blotch and root rot are occasional problems.
- Miscellaneous Problems: Wheat - shattering of varieties such as Siete Cerros if not harvested on time.  
Barley - lodging, particularly if planted early.  
Wheat and Barley - (1) soil salinity, especially when surface soil is wet late in the season after salt has accumulated, (2) frost during bloom.
- Weed Control: 0.5-0.75 lbs. a.i./ac 2,4-D Amine for broadleaf weed control when crop is well established and tillered but before boot stage. One and one-half to two pints com. 2 lbs/gal. formulated Bromoxynil for broadleaf weed control when crop has reached two-leaf stage and before boot stage and weeds are in early seedling stage.

Prepared by Jack P. Orr and P. S. Parsons

SAMPLE COSTS TO PRODUCE WHEAT AND BARLEY  
ON DELTA PEAT LAND

Sacramento County - 1975

Yield: 5000 lbs/ac.

Price: Wheat @ \$120/ton.

Barley @ \$100/ton.

Gross:

Wheat \$300

Barley \$250

Net:

Wheat \$66.48

Barley \$48.09

OPERATION	DATE		COST/AC WHEAT	COST/AC BARLEY
<u>Cultural</u>				
Chop corn stubble	Oct-		\$ 1.50	\$ 1.50
Close spud ditch and disk	Oct-		2.50	2.50
Flow	Oct-		4.00	4.00
Disk 2x & Float			4.00	4.00
Plant	Nov-Dec	150 lbs/ac Anza \$18/100	27.00	16.00
	Jan-	100 lbs/ac Briggs, Cm67 (drilled under seed) 200 lbs 16-20-0 Application \$4.00	1.50 26.00	1.50 26.00
Herbicide		2,4-D 1 pt. 1-1/2 pts + air application \$3.00	4.00	4.00
Fertilize (top dress)		100 lbs/ac. Ammonium Nitrate + air	12.00	12.00
Spud ditch (drainage)			2.50	2.50
Irrigate 1x			1.50	1.50
TOTAL CULTURAL COSTS			\$86.50	\$75.50
<u>Harvest</u>				
Combine & Haul		(Custom \$ 7.50/ton)	12.00	12.00
Storage: In and Out			3.00	2.50
TOTAL HARVEST COSTS			\$15.00	\$14.50
<u>Cash Overhead</u>				
Misc. Office, etc.			1.00	1.00
Rent: 33.3%			100.00	83.25
Taxes on equipment			1.00	1.00
Workman's Comp.			1.00	1.00
Social Security			1.00	1.00
TOTAL CASH OVERHEAD			\$104.00	\$87.25
Management 5% of gross			15.00	12.50
TOTAL CASH COST			\$220.50	\$189.25
Depreciation & Interest on Equipment for 1200 acres \$150,000.00 ten years interest 10%. Sugar Beets, Corn, Wheat, Tomatoes, operations.				
Depreciation: Wheat & Barley \$4.86/ac:			\$ 12.66	\$ 12.66
Interest: Wheat & Barley \$7.80/ac.				
TOTAL COST/ACRE			\$233.16	\$201.91
TOTAL COST/TON			\$ 93.26	\$ 80.76