

Agricultural Briefs

SACRAMENTO COUNTY

1977 - SAMPLE COSTS TO PRODUCE WHEAT ON MINERAL GROUND & PEAT AND CULTURAL PRACTICES

PLANTING DATES: November 1 - January 1.

HARVEST DATES: June 20 - August 1.

VARIETIES: Yecora Rojo, Anza

SEEDING RATES: - 150 pounds per acre.

FERTILIZER: 100 lbs/ac Nitrogen preplant.; 100 - 130 lbs/ac 11-48-0.

50 lbs/ac Nitrogen top dressed in Jan-Feb prior to rain.

IRRIGATION: Plant on beds for drainage and irrigation. Irrigate when needed.

ROTATION: Useful for drying out sub-irrigated soil. This helps in restoring row crop productivity especially tomatoes following wheat.

NORMAL YIELD: 6,000 to 7,000 pounds per acre.

INSECT PESTS: Aphids, spray when population is high.

DISEASE PROBLEMS: Stripe rust can be devastating on non-resistant varieties.
Yellow dwarf, powdery mildew and root rot are occasional problems.

MISCELLANEOUS PROBLEMS: Lodging if preplant nitrogen is too high.

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. Severe injury can occur if wheat is sprayed with 2,4-D too early; prior to tillering from 1 - 3 leaf stage.

- 1) Labor rates based on \$3.50/hour.
- 2) Equipment taxes and depreciation based on cost of 1976 equipment.

Prepared by Jack P. Orr, Farm Advisor Sacramento County.

1977 - SAMPLE COSTS TO PRODUCE WHEAT ON MINERAL AND ORGANIC SOILS

OPERATION	HOURS/ ACRE	LABOR	FUEL & REPAIRS	MATERIALS KIND AND QUANTITY	TOTAL COST/ACRE	
					MINERAL SOIL	PEAT SOIL
<u>CULTURAL</u>						
Disk 2x	0.50	1.75	2.44		\$ 4.19	\$ 4.19
Plow	0.40	1.40	1.89		3.29	3.29
Disk 2x	0.50	1.75	2.44		4.19	4.19
Landplane 2x	0.66	2.32	3.48		5.80	5.80
Rip 2x	1.32	4.62	6.00		10.62	10.62
Harrow, Float & Ring Roll	0.17	0.61	0.90		1.51	1.51
Preplant nitrogen bed or border ck.	0.25	0.90	1.57	100 lbs/ac nitrogen \$18	20.47	
Plant & Starter fert. (2 men)	0.33	2.31	2.60	150 lb/ac seed @ \$11/ 100 lbs. \$16.50 Starter fert. 100 lbs/ ac. 11-48-0 \$10.20	31.61	31.61
Topdress nitrogen		100 100 lb/ac	Am. Nitrate	\$8.20 + air applic. \$3	11.20	11.20
Herbicide				2,4D 1 pt/ac + air applic. \$3	4.00	4.00
Insecticide (Aphids)	Dysyston	1 pt/ac		\$2.41 + air applic. \$3	5.41	5.41
Irrigation 3x mineral	4.5	14.70		0.5 ac. ft/irrig = 1.5 ac.ft.@ \$8/ac.ft.=\$12	26.70	
2x peat	0.6	2.10		Spud ditch \$2.50/acre		4.60
TOTAL CULTURAL COSTS					\$128.99	\$ 85.42
<u>HARVEST</u>						
Combine (with own harvester)	0.3	1.50	3.33		4.83	4.83
<u>CASH OVERHEAD</u>						
Rent 33 1/3% gross				\$80/ton market x 3.0 = \$240 x 33.3% = \$79.92	79.92	79.92
Misc Office					1.00	1.00
Taxes on equipment				\$343 x 0.93 = \$318.99 x 25% x 33.3% = \$79.92	10.36	10.36
Workman's Comp.					1.00	1.00
Social Security					1.00	1.00
TOTAL CASH OVERHEAD					\$ 93.28	\$ 93.28
TOTAL CASH COST					\$227.10	\$183.53
Management 5% of Gross					\$ 12.00	\$ 12.00
<u>INVESTMENT</u>						
	Per Acre -		Depreciation	Interest		
Buildings			\$1.53	\$1.84		
Equipment (10 yr. life) 1976			36.78	10.15		
			38.31	11.99	50.30	50.30
TOTAL COST/ACRE					\$289.40	\$245.83
TOTAL COST/TON						
			2.5 tons/acre		115.76	98.33
			3.0 tons/acre		96.46	81.94
			3.5 tons/acre		82.68	70.23