

# Agricultural Briefs

SACRAMENTO COUNTY

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## 1980 SAMPLE COST TO PRODUCE WHEAT ON MINERAL GROUND & PEAT SOILS

PLANTING DATES: November 1 - January 1; Delta plantings as late as February.

HARVEST DATES: June 20 - August 1.

VARIETIES: Anza

SEEDING RATES: 120 lbs/acre dryland, 180 lbs/acre irrigated.

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. Use Urea early in season and Ammonium nitrate later when conditions are warm.

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. 3-5 aphids in 30-50% of heads.

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. Hoelon for rygrass and wild oat control. Avenge for wild oat control.

Prepared by Jack P. Orr, Field & Vegetable Crops Farm Advisor

1980 SAMPLE COST TO PRODUCE WHEAT ON MINERAL GROUND & PEAT SOILS

Operations	Hours/ Acre	Labor/ Acre	Fuel & Elect/ Acre	Repairs/ Acre	Material Kind of Quantity/Acre	TOTAL COST	
						Mineral Soil	Organic Soil
<u>HARVEST</u>							
Combine (own harvester)	0.3	1.50	3.40	2.00		\$ 6.90	\$ 6.90
<u>CASH OVERHEAD</u>							
Rent 33-1/3T gross	\$140/ton market x 3.0 tons/ac = \$420 x 33.3% = \$140					140.00	140.00
Misc. office, pick-up, secretary						15.00	15.00
Workman's Comp. 7-1/2%						1.75	.93
<sup>S</sup> Social Security 0.0613						1.43	.76
Fringe Benefits (10%) health ins., unemployment, life ins., vacation						2.34	1.24
<b>TOTAL CASH OVERHEAD</b>						<b>\$160.52</b>	<b>\$157.93</b>
<b>TOTAL CASH COST/ACRE</b>						<b>\$315.57</b>	<b>\$268.31</b>
<b>TOTAL CASH COST/TON</b>							
	3.0 tons/ac					\$105.19	\$ 89.43
	3.5 tons/ac					90.16	76.66
Management 5% of gross						21.00	21.00
<u>INVESTMENT</u>							
	<u>Per Acre</u>	<u>Depreciation</u>	<u>Interest</u>				
			<u>12% on 50% Balance</u>				
Buildings (30 yr. life)	\$ 46.00	\$ 1.53	\$ 2.76				
Equipment (10 yr. life) 1976	367.80	36.78	22.06				
	\$413.80	\$38.31	\$24.82			63.13	63.13

Labor rate: \$4.00/hr

Harvester Operator: \$6.00/hr

Disel: \$1.25/gal

Repairs: Farm Machinery Costs 1978, A.D. Reed & L.A. Horel

1980 SAMPLE COST TO PRODUCE WHEAT ON MINERAL GROUND & PEAT SOILS

Operation	Hours/ Acre	Labor/ Acre	Fuel & Elect/ Acre	Repairs/ Acre	Materials Kinds & Quantity /Acre	TOTAL COST	
						Mineral Soil	Organic Soil
<b>CULTURAL</b>							
Chop corn stubble	0.20	0.80	2.00	0.23		\$ 3.03	\$ 3.03
Disc 1X	0.13	0.52	1.70	0.34		2.56	2.56
Plow	0.34	1.36	2.80	1.63		5.79	5.79
Leveler finish 2X	0.52	2.08	3.19	0.73		6.00	6.00
Disc + roll 1X	0.13	0.52	1.70	0.34		2.84	2.84
List beds + preplant Nitrogen	0.25	1.00	1.00	1.00	100 lbs/ac @ 25¢/lb + \$2.00 equip.	27.00	-----
Plant + starter fertilizer (2 men)	0.33	2.64	2.64	1.10	150 lbs/ac seed @ \$14/cwt \$21 - 11-48-0 100/ac \$14.25	41.63	41.63
Topdress nitrogen 2X					150 lbs/ac Ammonium Nitrate \$15 + air \$9.50	24.50	24.50
Herbicide (post emergence)					2,4-D 1 pt/ac + air \$1.30 + \$4.75	6.05	6.05
Insecticide (Aphids)					Dysyston 1 pt/ac + air \$4.00 + \$4.75	8.75	8.75
Irrigation 3X mineral soil open & close ditches 1X organic soil		12.00 1.00 0.33	4.00 (well) 1.00			16.00 2.00 -----	----- ----- 0.33
Drain Maintenance						2.00	2.00
<b>TOTAL CULTURAL COSTS</b>						<b>\$148.15</b>	<b>\$103.48</b>