

FIELD CORN - SINGLE CROPPED - TULARE COUNTY

Cost Analysis Worksheet - 1985

Sample costs to produce field corn in Tulare County based on a yield of 8000 lbs. per acre. Field labor at \$4.50 per hour and equipment operator at \$5.00; these include benefits. Medium wheel, 80 hp tractor per hr. cash costs \$8.50, depreciation \$2.58, and interest \$1.68. Heavy wheel tractor - 130 hp. Cash costs \$16.01, depreciation \$9.17, and interest \$5.76.

Steven D. Wright, Tulare County Farm Advisor and Kent Olson, Economist, Cooperative Extension, U.C. Davis

	SAMPLE COSTS		MY COSTS	
	PER ACRE	PER CWT	PER ACRE	PER CWT
<u>Pre-harvest Cash Costs</u>				
Land preparation: 3 hrs. labor, 1½ hr. heavy tractor, 1½ hrs. med tractor	\$51.76			
Preplant herbicide if needed \$18, application \$6, 1/2 hr. labor and tractor for disking	28.25			
Postemergence weed control if needed. Custom application and materials	10.20			
Plant: 1/3 hr. man and med. tractor	4.46			
Seed: 20 lbs. @ \$1.49	29.80			
Cultivate: 3 X's: 1½ hrs. man and tractor	20.25			
Fertilizer: 225 lbs. N @ 18¢, source NH ₃	40.50			
P ₂ O ₅ if needed: 40 lbs. @ 33¢	13.20			
Application: 1 custom, 2 X's in water	7.00			
*mite control if needed, materials and application \$17.50				
Irrigate: 1 pre and 7 crop - labor 8 hrs.	36.00			
Water: (combined canal, pumping, district assessment) 3.5 acre ft. @ \$20/A ft.	70.00			
Misc: Labor, material, 1 hr. man + med. tractor	20.00			
Repairs, except tractors	20.00			
Office, car, business costs	20.00			
County taxes	10.00			
Land Cost	125.00			
Interest on operating costs = (total pre-harvest cash cost ÷ 2 X 13%	32.25			
TOTAL PRE-HARVEST CASH COSTS	\$528.47	\$6.61		
<u>Harvesting Cost</u>				
Combine: 16/acre + \$7.00/ton	45.00			
Hauling: 27.5¢/cwt. - 10 miles	20.40			
TOTAL HARVESTING COSTS	\$65.40	\$.82		
TOTAL CASH COSTS	\$593.87	\$7.42		
<u>Depreciation</u>				
Irrigation system @ \$350 for 16 years	21.88			
Med. tractor, 80 hp - 4.33 hrs.	11.17			
Heavy tractor, 130 hp - 1 1/2 hrs.	13.76			
Other equipment - \$100 for 10 years	10.00			
TOTAL DEPRECIATION	\$56.81			
TOTAL CASH AND DEPRECIATION COSTS	\$650.68	\$8.13		

(over)

SAMPLE COSTS		MY COSTS	
PER ACRE	PER CWT	PER ACRE	PER CWT

Interest on Investment: @ 13%

Irrigation system	\$22.75		
Med. tractor - 80 hp. - 4.33 hrs	7.27		
Heavy tractor - 130 hp - 1½ hr.	8.94		
Other equipment - 1/2 of \$100	6.50		
TOTAL INTEREST	\$45.46	\$.57	
TOTAL COST OF PRODUCTION	\$696.14	\$8.70	

COST PER CWT. AT VARYING YIELD LEVELS

Yields lbs./A	7000	8000	9000	10,000	11,000
Cash costs	8.48	7.42	6.60	5.94	5.40
Total costs	9.94	8.70	7.73	6.96	6.30

Corn sold at \$115/T = \$5.75/cwt.
 \$130/T = \$6.50/cwt.
 \$145/T = \$7.25/cwt.

This cost analysis worksheet should be used only as a guide to assist producers in determining their production costs and as an aid in helping analyze costs and procedures. The figures shown are based on what are considered good management practices and do not represent industry averages.

There is a great deal of variation in production costs between areas within a county. For example, tractor size, tillage operations, water costs and materials may be different for neighboring farmers.

The land cost is a value related to rental costs rather than the interest on the market value. For the person renting land, the rental price should be substituted for land cost; also, interest and depreciation on the irrigation system and county taxes should be eliminated.

rm/300c
 1/15/85

The University of California Cooperative Extension in compliance with the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and the Rehabilitation Act of 1973 does not discriminate on the basis of race, creed, religion, color, national origin, sex, or mental or physical handicap in any of its programs or activities. Inquiries regarding this policy may be directed to: Affirmative Action Officer, 317 University Hall, University of California, Berkeley, California 94720, (415) 842-6300