

FIELD CORN - SINGLE CROPPED - TULARE COUNTY

Cost Analysis Worksheet - 1987

Sample costs to produce field corn in Tulare County based on yield of 10,000 lbs. per acre. 1d labor at \$5.00 per hour and equipment operator at \$5.00/hr; these include benefits. Mium wheel, 80 hp tractor per hr. cash costs \$10.00, depreciation \$2.58, and interest \$1.94. ivy wheel tractor - 130 hp. Cash costs \$15.00, depreciation \$4.75, and interest \$3.56.

Steven D. Wright, Tulare County Farm Advisor

	SAMPLE COSTS		MY COSTS	
	PER ACRE	PER CWT	PER ACRE	PER CWT
<b>Pre-harvest Cash Costs</b>				
Land preparation: 3 hrs. labor, 1½ hr. heavy tractor		\$52.00		
1½ hrs. med. tractor				
Preplant herbicide if needed \$18, application \$6,		00.00		
1/2 hr. labor and tractor for disking				
Post-emergence weed control if needed. Custom		10.20		
application and materials				
Plant: 1/3 hr. man and med. tractor		4.95		
Seed: 20 lbs. @ \$1.49		29.80		
Cultivate: 3 X's: 1½ hrs. man and tractor		22.50		
Fertilizer: 225 lbs. N @ 15¢, source NH <sub>3</sub>		33.75		
P <sub>2</sub> O <sub>5</sub> if needed: 40 lbs. @ 33¢		13.20		
Application: 1 custom, 2 X's in water		7.00		
*mite control if needed, materials and application \$16		00.00		
Irrigate: 1 pre and 7 crop - labor 8 hrs.		40.00		
Water: (combined canal, pumping, district assessment)		70.00		
3.5 acre ft. @ \$20/A ft.				
Mics: Labor, material, 1 hr. man + med. tractor		15.00		
Repairs, except tractors		20.00		
Office, car, business costs		10.00		
County taxes		10.00		
Land Cost		100.00		
Interest on operating costs = (total pre-harvest cash		25.24		
cost ÷ 2 X 11.5%				
<b>TOTAL PRE-HARVEST CASH COSTS</b>		<b>\$464.19</b>	<b>\$4.64</b>	
<b>Harvesting Cost</b>				
Combine: \$16/Acre + \$7.00/ton		\$51.00		
Hauling: 25.5¢/cwt. - 10 miles		25.50		
<b>TOTAL HARVESTING COSTS</b>		<b>\$76.50</b>	<b>\$ .76</b>	
<b>TOTAL CASH COSTS</b>		<b>\$540.69</b>	<b>\$5.41</b>	
<b>Depreciation</b>				
Irrigation system @ \$300 for 16 years		18.75		
Med. tractor, 80 hp - 4.33 hrs.		11.17		
Heavy tractor, 130 hp - 1 1/2 hrs.		7.13		
Other equipment - \$100 for 10 years		10.00		
<b>TOTAL DEPRECIATION</b>		<b>\$47.05</b>	<b>\$ .52</b>	
<b>TOTAL CASH AND DEPRECIATION COSTS</b>		<b>\$587.74</b>	<b>\$5.87</b>	

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FIELD CORN - SINGLE CROPPED CONT'D.

	SAMPLE COSTS		MY COSTS	
	PER ACRE	PER CWT	PER ACRE	PER CWT
Interest on Investment: @ 11.5%				
Irrigation system	\$17.25			
Med. tractor - 80 hp - 4.33 hrs.	8.40			
Heavy tractor - 130 hp - 1½ hr.	5.24			
Other equipment - \$100 over 10 years	10.00			
<b>TOTAL INTEREST</b>	<b>\$40.99</b>	<b>\$ .46</b>		
<b>TOTAL COST OF PRODUCTION</b>	<b>\$628.73</b>	<b>\$6.29</b>		

COST PER CWT. AT VARYING YIELD LEVELS

Yields lbs./A	7000	8000	9000	10,000	11,000
Cash costs	\$7.72	\$6.76	\$6.00	\$5.41	\$4.72
Total Costs	\$8.98	\$7.86	\$6.99	\$6.28	\$5.71

Corn sold at \$60/T = \$3.00/cwt.  
 \$80/T = \$4.00/cwt.  
 \$100/T = \$5.00/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 costs 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.