

CORN SILAGE - DOUBLE CROPPED - TULARE COUNTY

Cost Analysis Worksheet - 1987

Sample costs to produce corn silage in Tulare County, based on a yield of 25 Tons/A. Field labor \$4.50/hr. and equipment operator at \$5.00; these include benefits. Medium wheel, 80 hp tractor, cash costs \$10.00, depreciation \$2.58, and interest \$1.94. Heavy wheel tractor - 130 hp. Cash costs \$15.00, depreciation \$4.75, and interest \$3.56.

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	SAMPLE COSTS		MY COSTS	
	PER	PER	PER	PER
	ACRE	ACRE	ACRE	ACRE
<u>Pre-harvest Cash Costs</u>				
Land Preparation: 2 hrs. labor, 1 hr. heavy tractor		\$35.00		
1 hr. med. tractor				
Pre-plant herbicide, if needed \$18, application \$6.00,				
1/2 hr. labor and tractor disking		00.00		
Post-emergence weed control (if needed) with		10.20		
applicator and materials				
Plant: 1/3 hr. man and medium tractor		4.95		
Seed: 19 lbs. @ \$1.49		28.31		
Cultivate: 3 X's: 1 1/2 hrs. man and medium tractor		22.50		
Fertilizer: 225 lbs. N @ 15¢ - source NH ₃		33.75		
P ₂ O ₅ if needed: 40 lbs. @ \$.33/lb.		31.20		
Application: 1 custom, 2 X's in water		7.00		
*mite control if needed, materials and application \$16		00.00		
Irrigate: 1 pre and 6 crop - labor 7 hrs.		31.50		
Water: (combined canal, pumping, district assessment)		70.00		
3.5 acre ft. @ \$20/A ft.				
Misc: labor, material, 1 hr. man + med. tractor		20.00		
Repairs, except tractors (50%)		10.00		
Office, car, business costs (50%)		10.00		
County taxes (50%)		5.00		
Land Cost (50%)		50.00		
Operating costs = (total cash cost) ÷ 2 X 11.5%		20.21		
Harvesting Costs: sold standing		00.00		
TOTAL CASH COSTS		\$371.62		\$14.86
<u>Depreciation</u>				
Irrigation system @ \$300 for 16 years		18.75		
Med. tractor, 80 hp. - 3.83 hrs		9.88		
Heavy tractor, 130 hp. - 1 hr.		4.75		
Other equipment - \$100 for 10 yrs. (50%)		5.00		
TOTAL DEPRECIATION		\$38.38		\$ 1.53
TOTAL CASH AND DEPRECIATION COSTS		\$410.00		\$16.39

(over)

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Corn Silage - Double Cropped (Cont'd.)

	SAMPLE COSTS		MY COSTS	
	PER ACRE	PER CWT	PER ACRE	PER CWT
<u>Interest on Investment:</u> @11.5%				
Irrigation system: 1/4 of \$300	\$ 8.63			
Med. tractor - 80 hp. - 3.83 hrs.	7.43			
Heavy tractor - 130 hp. - 1 hr.	3.56			
Other equipment: 1/4 of \$100 over 10 yrs. (50%)	5.00			
TOTAL INTEREST	\$24.62	\$.73		
TOTAL COST OF PRODUCTION	\$473.00	\$18.92		

COST PER CWT. AT VARYING YIELD LEVELS

Yield - tons/acre	15	20	25	30	35
Cash cost per ton	\$31.53	\$23.65	\$18.92	\$15.75	\$13.51
Total cost per ton	\$24.77	\$18.58	\$14.86	\$12.39	\$10.62

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. Eliminate fertilizer costs if manure of lagoon water is used.

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.