

GRAIN SORGHUM - DOUBLE CROPPED - TULARE COUNTY

Cost Analysis Worksheet - 1983

Sample costs to produce grain sorghum in Tulare County based on a yield of 5,000 lbs. per acre. Field labor at \$4.50 per hour and equipment operator at \$5.00; these include benefits. Medium wheel, 80 hp tractor cash costs \$10.60, depreciation \$2.59, and interest \$1.94. Heavy wheel tractor - 130 hp. Cash costs \$15.97, depreciation \$4.75, and interest \$3.56.

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	SAMPLE COSTS		MY COSTS	
	PER ACRE	PER CWT	PER ACRE	PER CWT
<u>Pre-harvest Cash Costs:</u>				
Land preparation: 2 hrs. labor, 1 hr. heavy tractor		\$36.68		
1 hr. med. tractor				
Plant: 1/3 hr. man & med. tractor		5.18		
Seed: 12 lbs. @ 73¢/lb.		8.76		
Cultivate: 3 X's - 1 1/2 hrs. man & med. tractor		23.54		
Fertilize: 175 lbs. N @ 16¢/lb - source NH ₃		28.00		
P ₂ O ₅ if needed: 40 lbs. @ 40¢/lb.		16.00		
Application: 1 custom, 2 X's in water		7.00		
* pest control if needed - materials & application		11.80		
Irrigate: 1 pre and 4 crop - labor 5 hrs.		22.50		
Water: (combined canal, pumping, district assessment)		50.00		
2.5 acre ft. @ \$20/A ft.				
Misc: Labor, material, 1 hr. man + med tractor		20.00		
Repairs, except tractor (50%)		10.00		
Office, car, business costs (50%)		10.00		
County taxes (50%)		5.00		
Land costs (50%)		62.50		
Interest on operating costs (total preharvest cash cost) ÷ 2 X 13%		20.60		
TOTAL PRE-HARVEST CASH COSTS		\$337.56	\$6.75	
<u>Harvesting Costs</u>				
Combine: \$14/A + \$7/ton		3.15		
Hauling: 27.5¢/cwt. - 10 miles		13.75		
TOTAL HARVESTING COSTS		\$42.25	\$.91	
TOTAL CASH COSTS		\$382.81	\$7.66	
<u>Depreciation</u>				
Irrigation system: 1/2 orig. cost \$350, 16 yr. life		10.94		
Tractor 80 hp diesel wheel: (50%) \$2.80		5.93		
Tractor 130 hp: 1 hr.		4.75		
Other equipment - (50%), \$100 over 10 yrs.		5.00		
TOTAL DEPRECIATION		\$26.67	\$.53	
TOTAL CASH AND DEPRECIATION COSTS		\$409.48	\$8.19	

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

Interest on Investment - @ 13%

Irrigation system: (1/4) of \$350	\$11.38	
Tractor: 80 hp diesel wheel 2.3 hrs.	4.46	
Tractor: 130 hp - 1 hr.	3.56	
Other equipment - (1/4) of \$100	3.25	
TOTAL INTEREST	\$22.65	\$8.45
TOTAL COST OF PRODUCTION	\$432.13	\$8.64

COST PER CWT. AT VARYING YIELDS

Yield lbs. per acre	3000	4000	5000	6000	7000
Cash cost per cwt.	12.76	9.57	7.66	6.38	5.47
Total cost per cwt.	14.40	10.80	8.64	7.20	6.17

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, number of trips 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.