

GRAIN SORGHUM MERCED COUNTY

Cost Analysis Worksheet - 1986

Sample costs to produce grain sorghum single cropped in Merced County. Based on a yield of 2.5 tons/acre. Field labor \$5.50 / hour total cost to the grower and equipment operator \$6.50. Wheel tractor per hour cash costs \$12.80 depreciation \$3.25 and interest \$2.28.

	Sample costs	My costs
	per acre	per cwt
Pre-Harvest Cash & Overhead costs		
Land Preparation 2.5 hrs.	\$48.25	
Pre-plant fertilize 50 lbs. N @ 28c application - custom	14.00	5.00
Plant .3 hrs. labor and tractor seed: 12 lbs. @ 60c	5.80	7.20
Fertilize: 100 lbs. N @ 28c application - custom	28.00	5.00
Irrigate: 1 pre & 5 crop 6 hrs. water: 3 a.f. @ \$7.50	33.00	22.50
Cultivate: 2X .7hr.labor & tractor Taxes	13.50	25.00
Misc. labor, power, materials, etc.	10.00	
Repairs except tractor	12.00	
Office costs 6% of cash costs	16.45	
PRE-HARVEST COSTS	\$246.70	4.91
Harvest Costs		
Combine: 12.50/acre	31.25	
Haul: 5.50/ton up to 20 miles	13.75	
TOTAL HARVEST COSTS	\$45.00	.90
TOTAL CASH AND OVERHEAD COSTS	\$290.70	5.81
Depreciation		
Irrigation system \$280 20 yrs.	14.00	
Tractor: 3.2 hrs. @ \$3.25	12.02	
Equipment: \$120 10 yrs.	12.00	
TOTAL DEPRECIATION	\$38.02	.76

(over)

Interest on Investment @ 12%

Irrigation system (0.5 cost) \$140	16.80
Tractor: 3.7 hrs. @ \$2.28	8.44
Equipment: (0.5 cost) \$60	7.20
Land \$3000	360.00

TOTAL INTEREST ON INVESTMENT \$392.44 7.85

TOTAL COST OF PRODUCTION \$721.16 14.42

**SAMPLE COSTS OF PRODUCTION
AT VARYING YIELDS**

Yields: pounds / acre	3000	4000	5000	6000	7000	8000
Cash Costs / cwt.	9.09	7.04	5.81	5.00	4.41	3.97
Total Costs / cwt.	23.44	17.80	14.42	12.17	10.56	9.35

**Bill L. Weir
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