

COOPERATIVE EXTENSION
UNIVERSITY OF CALIFORNIA
MADERA COUNTY

128 MADERA AVENUE
MADERA, CA. 93637

TELEPHONE 674-4641
EXTENSION 236

Sample Cost To Produce Field Corn
In
Madera and Merced Counties - 1983

By

Ron Vargas, Farm Advisor, Madera County
Bill Weir, Farm Advisor, Merced County
Ed Yeary, Farm Advisor, Statewide

The first step in intelligent crop planning is an objective analysis of production cost and potential profits. The sample costs on the reverse side of this page are for Field Corn in Madera and Merced Counties. The figures used are from the latest and most reliable sources available and are based on good management practices.

A suggested way to use the sample cost sheet is to insert your actual costs in the blank column and use the sample costs only when actual costs are not known. Overhead fixed cost may be omitted when comparing alternate crops.

Sincerely,



RON VARGAS,
Farm Advisor

nj

FIELD CORN
Cost Analysis Worksheet - 1983

Sample costs to produce field corn in Madera and Merced Counties. Based on a yield of 3½ tons of shelled corn per acre, single cropped. Field labor \$5.50 per hour 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 | Per Acre | Per Cwt |
| Pre-Harvest Cash and Overhead Costs | | | | |
| Land preparation 2½ hrs. per acre | \$48.25 | | | |
| Pre-plant herbicide Custom - material application | 18.50 | | | |
| Pre-plant fertilizer: 100 lbs. N @ 28¢ application | 5.00 | | | |
| Plant .3 hrs. per acre labor and tractor | 28.00 | | | |
| Seed: 16 lbs. @ 80¢ | 5.00 | | | |
| Fertilize: material 200 lbs. N @ 28¢ application | 5.80 | | | |
| Irrigate: 1 pre and 6 crop 7 hrs. labor water: 4 acre ft. @ \$7.50 | 12.80 | | | |
| Cultivate 2X .7 hr. labor and tractor | 56.00 | | | |
| Taxes | 5.00 | | | |
| Misc labor, power materials inc. .5 hr. tractor | 38.50 | | | |
| Repairs except tractor | 30.00 | | | |
| Business and office costs 6% of cash costs | 13.50 | | | |
| | 25.00 | | | |
| | 12.00 | | | |
| | 15.00 | | | |
| | 22.88 | | | |
| PRE-HARVEST CASH AND OVERHEAD COSTS | \$341.23 | 4.87 | | |
| Harvest Costs | | | | |
| Harvest: Contract \$12.50 ton | 43.75 | | | |
| Haul: \$5.50 ton up to 20 miles | 19.25 | | | |
| TOTAL HARVEST COSTS | \$63.00 | .90 | | |
| TOTAL CASH AND OVERHEAD COSTS | \$404.23 | 5.77 | | |
| Depreciation | | | | |
| Irrigation system \$280 20 years | 14.00 | | | |
| Tractor 4 hrs. @ \$3.25 | 13.00 | | | |
| Equipment \$120 10 years | 12.00 | | | |
| TOTAL DEPRECIATION | \$39.00 | .55 | | |
| Interest on Investment @ 12% | | | | |
| Irrigation system: ½ cost \$140 | 16.80 | | | |
| Tractor 4 hrs. @ \$2.28 | 9.12 | | | |
| Equipment ½ cost \$60 | 7.20 | | | |
| Land \$3000 | 360.00 | | | |
| TOTAL INTEREST ON INVESTMENT | \$393.12 | 5.62 | | |
| TOTAL COST OF PRODUCTION | \$836.35 | 11.94 | | |

SAMPLE COSTS OF PRODUCTION PER CWT AT VARYING YIELDS

| Yield: Pounds Per Acre | 4000 | 5000 | 6000 | 7000 | 8000 | 9000 |
|------------------------|-------|-------|-------|-------|-------|------|
| Cash Costs Per Cwt | 9.43 | 7.72 | 6.59 | 5.77 | 5.17 | 4.69 |
| Total Costs Per Cwt | 20.23 | 16.83 | 13.79 | 11.94 | 10.56 | 9.49 |