

SUGARBEET PRODUCTION COST ANALYSIS WORK SHEETS

1983

Sample costs to produce sugarbeets in Fresno County. Based on a yield of 27 tons of clean beets per acre. Heavy crawler tractor per hour cash costs \$31.00, depreciation \$7.50, and interest \$6.50. Medium wheel tractor \$11.40, \$3.00, and \$2.40. Field labor total costs per hour to the grower \$5.50 and equipment operator \$6.50.

| Sample Costs | | My Costs | |
|--------------|---------|----------|---------|
| Per Acre | Per Ton | Per Acre | Per Ton |

PRE-HARVEST CASH COSTS:

| | | |
|--|---------------|--------------|
| Disking: 1X .25 hr. heavy tractor | \$ 9.38 | \$ |
| Chisel: 1X .5 hr. heavy tractor | 18.75 | |
| Float & landplane: 1 hr. every 3 yrs. $\frac{1}{3}$ - .3 hr. | 11.25 | |
| Disking: 2X .5 hr. heavy tractor | 18.75 | |
| List and starter fertilize: .25 hr. heavy tractor | 9.38 | |
| material: 100 lbs. (10-34-0) | 11.00 | |
| Preirrigate: 1 hr. labor | 5.50 | |
| water: 10" @ \$20.00/ft. | 16.67 | |
| Shape beds and apply insecticide: .25 hr. | 9.38 | |
| wheel tractor | 4.48 | |
| material | 6.00 | |
| Plant & apply herbicide: .25 hr. wheel tractor | 4.48 | |
| seed: \$3.00/lb. @ 3 lbs./A | 9.00 | |
| herbicide preemergence: @ \$14.00/A | 14.00 | |
| Irrigate up 1 hr. labor | 5.50 | |
| water: 6" @ \$20.00/ft. | 10.00 | |
| Roll beds: .10 hr. wheel tractor | 1.79 | |
| Electronic thinning: | 13.00 | |
| Cultivate: .3 hr. wheel tractor | 5.37 | |
| Apply fertilizer: 100# N @ 16¢ lb. | 16.00 | |
| Apply & incorporate herbicide: 2X .5 hr. | | |
| wheel tractor | 8.95 | |
| material | 6.50 | |
| Cultivate: 2X .3 hr. wheel tractor | 5.37 | |
| Irrigate: 8X 8 hr. labor | 44.00 | |
| water: 2.3 ft. @ \$20.00 | 46.00 | |
| Pest Control: | | |
| fungicides: 1X ground application (.5 ai//A) | 50.00 | |
| insecticides: 1X air application + material | 15.00 | |
| Taxes | 12.00 | |
| Misc. labor, materials, .15 hr. crawler tractor | 18.00 | |
| Repairs to equipment except tractor | 20.00 | |
| Office and business costs 9% of Cash Costs | 48.14 | |
| TOTAL PRE-HARVEST COSTS | 473.64 | 17.54 |
| HARVEST COSTS: | | |
| Dig \$1.85/ton | 49.95 | |
| Load and haul \$2.20/ton | 59.40 | |
| TOTAL HARVEST COSTS | 109.35 | 4.05 |
| TOTAL CASH COSTS | 582.99 | 21.59 |

| | Sample Costs | | My Costs | |
|---|--------------|---------------|--------------|---------|
| | Per Acre | Per Ton | Per Acre | Per Ton |
| DEPRECIATION: | | | | |
| Irrigation System: \$280 - 16 yrs. | | 17.50 | | |
| Crawler Tractor: 1.95 hrs. @ \$7.50 | | 14.63 | | |
| Wheel Tractor: 1.70 hrs. @ \$3.00 | | 5.10 | | |
| Equipment except tractor: \$120 - 10 yrs. | | 12.00 | | |
| TOTAL DEPRECIATION | | 49.23 | | |
| INTEREST ON INVESTMENT @ 12%: | | | | |
| Irrigation System: 1/2 cost \$140 | | 16.80 | | |
| Crawler Tractor: 1.95 hrs. @ \$6.50 | | 12.68 | | |
| Wheel Tractor: 1.70 hrs. @ \$2.40 | | 4.08 | | |
| Equipment 1/2 cost - \$60 | | 7.20 | | |
| Land \$2000 | | 240.00 | | |
| TOTAL INTEREST ON INVESTMENT | | 280.76 | | |
| TOTAL COST OF PRODUCTION | | 912.98 | 33.81 | |

SAMPLE COSTS AT VARYING YIELDS

| Yield: Tons clean beets per/acre | 25 | 30 | 35 | 40 |
|-------------------------------------|--------------|--------------|--------------|--------------|
| Cash Costs Per Ton | \$22.30 | \$19.84 | \$17.58 | \$15.90 |
| TOTAL COSTS PER TON | 36.20 | 30.84 | 27.01 | 24.14 |

1720 SOUTH MAPLE FRESNO, CALIFORNIA 93702 TELEPHONE 453-5931
 CO-OPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS, U.S. Department of Agriculture,
 University of California, and County of Fresno Co-operating

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