

SAMPLE COSTS TO PRODUCE FRESH MARKET TOMATOES*

IN MONTEREY COUNTY IN 1969

By J. W. Huffman and E. A. Yeary

| Based on a yield of 650 packed boxes (weighing 40 lbs. each) per acre | Hours per Acre | | | | Cost per Acre | Cost per Box |
|---|------------------|----------------|---------------|----------------|----------------|----------------|
| | Man Labor | 80 hp Tract. | 45 hp Tract. | Truck Pickup | | |
| Cover Crop: | | | | | none | |
| Land preparation: | 3.5 | 3.5 | | | 19.95 | |
| Pre-plant fertilizer and list: | | | | | 3.75 | |
| Shape beds and roll | 0.5 | | 0.5 | | 1.90 | |
| Plant: 2 men and 3 bed planter | 1.0 | | 0.5 | | 2.80 | |
| Irrigations: 10X: 3 sprinkler 7 furrow | 20.0 | | | 1.0 | 40.00 | |
| Thin: 16 hrs. per acre | | | | | 28.80 | |
| Side dress fertilizer: 2X at \$3.00 contract | | | | | 6.00 | |
| Insecticide applications: 3X at \$2.50 contract | | | | | 7.50 | |
| Cultivations: 4X | 2.5 | | 2.5 | | 9.50 | |
| Hoe and weed: 2X | 10.0 | | | | 18.00 | |
| Misc., other work | 6.0 | | 1.0 | 1.0 | 14.40 | |
| Total Cultural Labor and Field Power | 43.5 | 3.5 | 4.5 | 2.0 | 152.60 | 24¢ |
| Irrigation water: 3½ ac. ft. at \$5.00 plus booster cost | | | | | 19.50 | |
| Seed: ½ lb. at \$11.00 | | | | | 5.50 | |
| Fertilizer materials and application | | | | | 57.00 | |
| Insecticide and fungicide materials | | | | | 22.50 | |
| Total Material Cost | | | | | 104.50 | 16¢ |
| Total Labor, Field Power and Materials | | | | Tenants | 257.10 | 40¢ |
| Business costs, office, car operation capital, etc., 6% of above | | | | 15.43 | 15.43 | |
| Taxes: | | | | | 25.00 | |
| Taxes: Equipment, except tractors | | | | 2.00 | 2.00 | |
| Repairs: except trucks and tractors | | | | 8.00 | 8.00 | |
| Rent: | | | | 100.00 | | |
| Total Cash Overhead Costs | | | | 125.43 | 50.43 | 8¢ |
| Total Cash Costs | | | | 382.53 | 307.53 | 48¢ |
| Investment overhead | Dollars per Acre | | | | | |
| Costs based on 100 acres of tomatoes and 1000 crop acres | Orig. Cost | Avg. Value | 7% Int. | Depre- ciation | | |
| Buildings for equipment | 18.00 | 9.00 | .63 | .60 | | |
| Irrigation wells, pipeline | 150.00 | 75.00 | 5.25 | 7.50 | | |
| Land: | 1800.00 | 1800.00 | 126.00 | -- | | |
| Subtotal Real Estate | 1968.00 | 1884.00 | 131.88 | 8.10 | | |
| Tractors, trucks, etc. | 110.00 | 55.00 | 3.85 | 11.00 | | |
| Tillage equip., planter, etc. | 32.00 | 16.00 | 1.12 | 3.20 | | |
| Portable irrig. pipe, sprinklers | 28.00 | 14.00 | .98 | 2.80 | | |
| Misc. small equipment | 14.00 | 7.00 | .49 | 1.40 | | |
| Total Operator's Equipment | 184.00 | 92.00 | 6.44 | 18.40 | | |
| Total invest. and depreciation | 2152.00 | 1976.00 | 138.32 | 26.50 | 18.40 | 26.50 |
| Total Cash and Depreciation Costs | | | | | 400.93 | 334.03 |
| Interest on Investment | | | | | 6.44 | 138.32 |
| Total Costs to Harvest | | | | | 407.37 | 472.35 |
| Harvest - picking | | | | | 416.00 | 416.00 |
| Packing - includes containers | | | | | 845.00 | 845.00 |
| Total Harvest and Packing | | | | | 1261.00 | 1261.00 |
| Total Cost of Production | | | | | 1668.81 | 1733.35 |

*All production costs, except harvesting of cannery fruit, if any, are charged to the fresh market crop. Labor costs per hour total; equipment operator \$2.50, irrigator \$1.90, hand labor \$1.80. 80 h.p. tracklayer per hour cash costs \$3.20, depreciation \$1.80 and interest 72¢. 45 h.p. wheel tractor \$1.30, 68¢ and 28¢. Light truck \$2.00 per hour cash costs and pickup \$1.60 for light work sprinkler booster pump, costs \$2.00 per acre ft. of water UC Cooperative Extension

FRESH MARKET TOMATO PRODUCTION IN MONTEREY COUNTY

Investment overhead is based on 1000 crop acres on about 500 acres of land, with a planting at 100 acres of fresh market tomatoes.

Sample Costs of Production at Varying Yields

| Yield: 40 lb. boxes per acre | 550 | 600 | 650 | 700 | 750 |
|----------------------------------|--------|--------|--------|--------|--------|
| Total Cost of Production Per Box | \$2.80 | \$2.73 | \$2.67 | \$2.62 | \$2.57 |

SAMPLE COSTS TO PRODUCE MACHINE HARVEST
TOMATOES IN MONTEREY COUNTY - 1969

Prepared by
J. W. Huffman and Ed Yeary

| Based on a yield of 30 tons per acre | Hours Per Acre | | | | Cost Per Acre | Cost Per Ton |
|--|------------------|-----------------|---------------|----------------|---------------|---------------|
| | Man Labor | 80 hp. Tract. | 45 hp. Tract. | Truck Pickup | | |
| Cover crop: | | | | | | |
| Land preparation: | 3.5 | 3.5 | | | 19.95 | |
| Pre-plant fertilizer and list: Contract @\$3.75 | | | | | 3.75 | |
| Shape beds and roll | 0.5 | | 0.5 | | 1.90 | |
| Plant: 2 men, 3-bed planter | 1.0 | | 0.5 | | 2.80 | |
| Irrigations: 5-6 times | 14.0 | | | 1.0 | 28.20 | |
| Thin: 16 hours per acre | 16.0 | | | | 28.80 | |
| Side dress fertilizer: 1 time @\$3 | | | | | 3.00 | |
| Insecticide applications: 3 times @\$2.50 | | | | | 7.50 | |
| Cultivations: 4 times | 2.5 | | 2.5 | | 9.50 | |
| Hoe and weed: 2 times | 10.0 | | | | 18.00 | |
| Misc., other work: | 6.0 | | 1.0 | 1.0 | 15.10 | |
| Total Cultural Labor and Field Power | 53.5 | 3.5 | 4.5 | 2.0 | 138.50 | 4.62 |
| Irrigation water: 2½ acre feet @\$5 per acre ft., plus booster \$1 | | | | | 13.50 | |
| Seed: 1¼ lb. @\$15 per pound | | | | | 18.75 | |
| Fertilizer materials: | | | | | 42.00 | |
| Insecticide and fungicide materials: | | | | | 22.50 | |
| Total Material Cost | | | | | 96.75 | 3.22 |
| Total Labor, Field Power and Materials | | | | Tenants | 235.25 | 7.84 |
| Business costs, office, car operation capital, etc. 6% of above | | | | 14.12 | 14.12 | |
| Taxes: | | | | | 20.00 | |
| Taxes: Equipment, except tractors | | | | 2.00 | 2.00 | |
| Taxes: Tractors, except trucks and tractors | | | | 8.00 | 8.00 | |
| Rent: | | | | 125.00 | | |
| Total Cash Overhead Costs | | | | 149.12 | 44.12 | 1.47 |
| Total Cash Costs | | | | 384.37 | 279.37 | 9.31 |
| Investment overhead | Dollars Per Acre | | | | | |
| Costs, based on 100 acres or more | Orig. Cost | Avg. Value | 7% Int. | Depre- ciation | | |
| Buildings for equipment | 18.00 | 9.00 | .63 | .60 | | |
| Irrigation wells, pipeline | 150.00 | 75.00 | 5.25 | 7.50 | | |
| Land: | 1,800.00 | 1,800.00 | 126.00 | | | |
| Subtotal Real Estate | 1,968.00 | 1,884.00 | 131.88 | 8.10 | | |
| Tractors, trucks, etc. | 110.00 | 55.00 | 3.85 | 11.00 | | |
| Tillage equip., planter, etc. | 32.00 | 16.00 | 1.12 | 3.20 | | |
| Portable irrig. pipe, sprinklers | 28.00 | 14.00 | .98 | 2.80 | | |
| Misc. small equipment | 14.00 | 7.00 | .49 | 1.40 | | |
| Total Operator's Equipment | 184.00 | 92.00 | 6.44 | 18.40 | | |
| Total Invest. and Depreciation | | | 138.32 | 26.50 | 18.40 | 26.50 |
| Total Cash and Depreciation Costs | | | | | 402.77 | 305.87 |
| Interest on Investment | | | | | 6.44 | 138.32 |
| Total Costs to Harvest | | | | | 409.21 | 444.19 |
| Harvest @\$12 per ton | | | | | 360.00 | 360.00 |
| Total Cost of Production | | | | | 769.21 | 804.19 |

Labor costs per hour total, including Social Security and Workmen's Compensation Insurance: Equipment Operator \$2.50, Irrigator \$1.90, hand labor \$1.80, 80 hp. tracklayer per hour, cash costs \$3.20, depreciation \$1.80, and interest .72¢. 45 hp. wheel tractor \$1.30, .68¢ and .4¢. Light truck \$2 per hour cash costs and pickup \$1.60 for light work. Sprinkler booster pump costs \$2 per acre ft. of water.

Investment overhead is based on 2,000 crop acres on about 1,000 acres of land.