

NECTARINES
(mature early in June)
COST ANALYSIS WORK SHEET

Sample costs to produce nectarines in Kern County for fresh market shipment. Costs are for a mature orchard containing 108 trees per planted acre, producing 7 tons of fruit with 10% discarded as culls. Man labor at \$1.70 per hour total, and equipment operator \$1.90. Medium wheel tractor per hour cash costs \$1.30, depreciation 70¢ and interest 30¢.

| | Sample Costs | | My Costs | |
|--|----------------|---------------|----------|---------|
| | Per Acre | Per Ton | Per Acre | Per Ton |
| PRE-HARVEST CASH COSTS: | | | | |
| Pruning: 108 trees at 90¢ | 97.20 | | | |
| Brush disposal: Contract | 4.65 | | | |
| 3 man hrs. raking brush | 5.10 | | | |
| Fertilize: Material - 100 lbs. N at 11¢ | 11.00 | | | |
| Application - ½ hr. man & tractor | 1.60 | | | |
| Spray 6 times: Material | 55.00 | | | |
| Application | 66.00 | | | |
| Furrow 3 times: 1½ hrs. man & tractor | 4.80 | | | |
| Irrigate 7 times: Labor 13 hrs. | 22.10 | | | |
| 4½ ac.ft. water; power \$12 ft. | 54.00 | | | |
| Disc 5 times: 7½ hrs. man & tractor | 24.00 | | | |
| Thin: 108 trees at \$1.65 | 178.20 | | | |
| Girdle: 108 trees at 11¢ each | 11.88 | | | |
| Tie: 2 hrs. labor | 3.40 | | | |
| Material | 2.40 | | | |
| Taxes | 36.80 | | | |
| Misc. labor, material, field power including 4 man hours & 1 tractor hour | 10.50 | | | |
| Repairs to equipment except tractor | 4.75 | | | |
| Supervision | 14.00 | | | |
| Office, car, operating capital, insurance, etc. | 36.44 | | | |
| TOTAL PRE-HARVEST CASH COSTS | 643.82 | 91.97 | | |
| HARVESTING COSTS: | | | | |
| Pick 7 tons of fruit at \$26 | 182.00 | | | |
| Roadside: 13 man hrs., & 6 tractor hrs. | 31.10 | | | |
| Misc.: 3 man hrs., & 2 tractor hrs. | 8.10 | | | |
| TOTAL HARVESTING COSTS | 221.20 | 31.60 | | |
| TOTAL CASH COSTS | 865.02 | 123.57 | | |
| DEPRECIATION: | | | | |
| Irrigation system: Cost \$350, 15 yrs. life | 23.33 | | | |
| Tractor: 18½ hrs., at 70¢ | 12.95 | | | |
| Buildings: Cost \$40, 20 yrs. life | 2.00 | | | |
| Equipment except tractor: \$80 cost, 10 yrs. life | 8.00 | | | |
| Trees: Cost \$1350, 15 yrs. life | 90.00 | | | |
| TOTAL DEPRECIATION | 136.28 | 19.47 | | |
| INTEREST ON INVESTMENT AT 7%: | | | | |
| Irrigation system: ½ cost \$175 | 12.25 | | | |
| Tractor: 18½ hrs. at 30¢ | 5.55 | | | |
| Buildings: ½ cost \$20 | 1.40 | | | |
| Equipment except tractor: ½ cost \$40 | 2.80 | | | |
| Trees: ½ cost \$675 | 47.25 | | | |
| Land: \$1200 | 84.00 | | | |
| TOTAL INTEREST ON INVESTMENT | 153.25 | 21.89 | | |
| TOTAL COST OF PRODUCTION | 1154.55 | 164.93 | | |

| | |
|---|-----------|
| 200 lbs. culls per ton | no value |
| Net cost of 1800 lbs. merchantable fruit | \$ 164.93 |
| Cash costs only of 24 lbs. merchantable fruit | 1.54 |
| <u>Total cost of 24 lbs. fruit (1 lug)</u> | 2.00 |

SAMPLE COSTS AT VARYING YIELDS

| Yield: Tons per acre | Average | | | | |
|---------------------------------------|---------|--------|--------|--------|--------|
| | 4 | 5 | 6 | 7 | 8 |
| Total cost of production per ton | 269.14 | 220.51 | 188.09 | 164.93 | 147.57 |
| Cash costs per 24 lbs. (1 lug) | 2.62 | 2.17 | 1.86 | 1.65 | 1.49 |
| Packed lugs per acre | 300 | 375 | 450 | 525 | 600 |
| <u>Total cost per 24 lbs. (1 lug)</u> | 3.59 | 2.94 | 2.51 | 2.20 | 1.97 |

Kenneth W. Hench
Farm Advisor

Edward A. Yeary
Farm Advisor-Statewide

ABOUT THESE DATA ---

The costs of production in any agricultural enterprise will vary considerably from ranch to ranch. The input and cost data in this booklet are sample costs. They are intended to be used only as educational guides in assisting you to appraise and plan your own crop and livestock program.

These cost data do not represent industry averages.