

SAMPLE COSTS TO PRODUCE APRICOTS
IN THE COUNTIES OF
CONTRA COSTA, MERCED, SAN JOAQUIN
AND STANISLAUS

1973-1974



UNIVERSITY OF CALIFORNIA AGRICULTURAL EXTENSION

UC Cooperative Extension

SAMPLE COSTS TO PRODUCE APRICOTS IN THE COUNTIES OF CONTRA COSTA, MERCED, SAN JOAQUIN, AND STANISLAUS - 1973-74

80-Acre Orchard

Yield 8 Tons/Acre gross; 7.6 Tons/Acre net

Skilled labor \$3.25/hour

Regular labor \$2.55/hour

| Operation | Hrs. per Acre | Labor | Fuel and Repairs | Cash and Labor Costs per Acre | | Total |
|--|------------------|-----------------|------------------|---|-----------------|------------------|
| | | | | Material | Cost | |
| Preharvest Cultural Costs | | | | | | |
| Prune, contract | 43.00 | \$112.50 | \$ 1.82 | | | \$ 114.32 |
| Remove large limbs | 2.00 | 5.80 | 1.82 | | | 7.62 |
| Rake brush | .40 | 1.30 | .88 | | | 2.18 |
| Shred brush | 1.50 | 4.88 | 3.71 | | | 8.59 |
| Fertilize (custom spread) | | | | 150# @ \$.24 = \$36.00 + application \$2/Acre = | \$ 38.00 | 38.00 |
| Spray 3 x | 1.25 | 4.06 | 8.14 | Material = | 43.58 | 55.78 |
| Cultivate 11 x | 3.30 | 10.73 | 12.92 | | | 23.65 |
| Furrow 3 x | 1.50 | 4.88 | 4.83 | | | 9.71 |
| Irrigate 5 x | 5.00 | 12.75 | 2.50 | Water - 4 A. ft. x \$5.50 = | 22.00 | 37.25 |
| Thin, contract | | 50.00 | 1.82 | | | 51.82 |
| Miscellaneous orchard work | 5.00 | 14.15 | 3.64 | Material = | 8.00 | 25.79 |
| TOTAL CULTURAL COSTS | | \$221.05 | \$42.08 | | \$111.58 | \$ 374.71 |
| Harvest Costs | | | | | | |
| Picking, sorting, supervision \$32.50 + \$2.50 per ton | | \$280.00 | | | | \$ 280.00 |
| Roadsiding | | 8.86 | \$10.54 | | | 19.40 |
| TOTAL HARVEST | | \$288.86 | \$10.54 | | | \$ 299.40 |
| TOTAL CULTURAL AND HARVEST COSTS | | | | | | \$ 674.11 |
| Overhead Costs | | | | | | |
| Miscellaneous, office, etc. (6% of total cultural and harvest costs) | | | | | | \$ 40.45 |
| Taxes - County \$70.50 + Irrigation District \$5.00 | | | | | | 75.50 |
| TOTAL CASH OVERHEAD COSTS | | | | | | \$ 115.95 |
| TOTAL CASH COSTS | | | | | | \$ 790.06 |
| Management Charge - 5% of 7.6 tons x \$135.00 | | | | | | 51.30 |
| Investment Per Acre | | | | Annual Costs: Depreciation | | Interest |
| Land | \$1500.00 | | | -- | | \$105.00 |
| Trees | 1800.00 | | | \$ 60.00 | | 63.00 |
| Irrigation System | 165.00 | | | 8.25 | | 5.78 |
| Buildings | 120.00 | | | 4.00 | | 4.20 |
| Equipment | 539.38 | | | 52.77 | | 18.90 |
| TOTAL | \$4124.38 | | | \$125.02 | | \$196.88 |
| TOTAL COST PER ACRE | | | | | | \$1163.26 |
| TOTAL COST PER TON, 7.6 TON YIELD | | | | | | 153.06 |

INVESTMENT FOR APRICOT PRODUCTION - 80 ACRES

| Item | Cost | | Life | Depreci- ation Per Year | Interest (7%) | Cash Costs per Hour | | |
|----------------------------|------------------|-------------------|------|-------------------------------|------------------|---------------------|---------|--------|
| | Total | Per Acre | | | | Fuel | Repairs | Total |
| Land | \$120,000 | \$1500.00 | -- | -- | \$105.00 | | | |
| Trees | 144,000 | 1800.00 | 30 | \$60.00 | 63.00 | | | |
| Irrigation System | 13,200 | 165.00 | 20 | 8.25 | 5.78 | | | |
| Buildings | 9,600 | 120.00 | 30 | 4.00 | 4.20 | | | |
| Equipment | | | | | | | | |
| Pruning | 400 | 5.00 | 5 | 1.00 | .18 | | | |
| 40 HP Diesel Crawler, used | 7,000 | 87.50 | 10 | 8.75 | 3.06 | \$.79 | \$2.04 | \$2.83 |
| 40 HP Diesel Wheel Tractor | 8,000 | 100.00 | 12 | 8.33 | 3.50 | .64 | .92 | 1.56 |
| Sprayer, 500 gal. | 8,200 | 102.50 | 10 | 10.25 | 3.59 | .80 | 3.51 | 4.31 |
| 12' Disc | 2,000 | 25.00 | 10 | 2.50 | .88 | | 1.20 | 1.20 |
| 20' Springtooth | 2,000 | 25.00 | 10 | 2.50 | .88 | | 1.30 | 1.30 |
| 18' Furrower | 650 | 8.13 | 10 | .81 | .28 | | .39 | .39 |
| 7½' Shredder | 1,200 | 15.00 | 10 | 1.50 | .53 | | .91 | .91 |
| Trailers (2) | 2,000 | 25.00 | 10 | 2.50 | .88 | | .26 | .26 |
| 8' Chisel, used | 900 | 11.25 | 10 | 1.13 | .39 | | .85 | .85 |
| 18' Brush rake | 400 | 5.00 | 10 | .50 | .18 | | .65 | .65 |
| 80 Ladders @ \$30.00 | 2,400 | 30.00 | 10 | 3.00 | 1.05 | | .32 | .32 |
| Miscellaneous Equipment | 4,000 | 50.00 | 10 | 5.00 | 1.75 | | | |
| Pickup Truck | 4,000 | 50.00 | 10 | 5.00 | 1.75 | | | |
| TOTAL | \$329,950 | \$4,124.38 | | \$125.02 | \$196.88 | | | |

April 1974

MONTHLY CASH FLOW FOR APRICOTS

| Operation | Total | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. |
|---------------------------------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <u>Preharvest</u> | | | | | | | | | | | | | |
| <u>Cultural Cost</u> | | | | | | | | | | | | | |
| Prune | \$114.32 | \$57.16 | \$57.16 | | | | | | | | | | |
| Remove large limbs | 7.62 | | 7.62 | | | | | | | | | | |
| Rake brush | 2.18 | | 2.18 | | | | | | | | | | |
| Shred brush | 8.59 | | 8.59 | | | | | | | | | | |
| Fertilize | 38.00 | | | \$38.00 | | | | | | | | | |
| Spray | 55.78 | | | 24.99 | \$18.32 | | | \$12.47 | | | | | |
| Cultivate | 23.65 | | | | | | \$ 4.30 | 2.15 | \$ 2.15 | \$10.75 | | \$ 4.30 | |
| Furrow | 9.71 | | | | | | 3.23 | | 3.23 | | \$ 3.25 | | |
| Irrigate | 37.25 | | | | | | 7.45 | 7.45 | 7.45 | | 7.45 | 7.45 | |
| Thin | 51.82 | | | | | | 51.82 | | | | | | |
| Misc.Orch.Work | 25.79 | 2.14 | 2.14 | 2.14 | 2.14 | \$2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.17 | 2.18 | \$ 2.18 |
| TOTAL PREHARVEST CULTURAL COSTS | \$374.71 | \$59.30 | \$77.69 | \$65.13 | \$20.46 | \$2.14 | \$68.94 | \$24.21 | \$14.97 | \$12.89 | \$12.87 | \$13.93 | \$ 2.18 |
| <u>Harvest Costs</u> | | | | | | | | | | | | | |
| Harvesting and Roadsiding | \$299.40 | | | | | | | | \$99.80 | \$199.60 | | | |
| <u>Cash Overhead</u> | | | | | | | | | | | | | |
| Misc. Office, etc. | \$ 40.45 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.38 |
| Taxes | | | | | | | | | | | | | |
| County | 70.50 | | 35.25 | | | | 35.25 | | | | | | |
| Irr.Dist. | 5.00 | | 2.50 | | | | 2.50 | | | | | | |
| Total Cash Overhead | \$115.95 | \$ 3.37 | \$ 41.12 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 41.12 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.37 | \$ 3.38 |
| TOTAL CASH COSTS | \$790.06 | \$62.67 | \$118.81 | \$ 68.50 | \$ 23.83 | \$ 5.51 | \$110.06 | \$ 27.58 | \$118.14 | \$215.86 | \$ 16.24 | \$ 17.30 | \$ 5.56 |
| TOTAL ACCUMULATED CASH COSTS | | \$62.67 | \$181.48 | \$249.98 | \$273.81 | \$279.38 | \$389.38 | \$416.96 | \$535.10 | \$750.96 | \$767.20 | \$784.50 | \$790.06 |

April 1974

APRICOT COSTS AT VARIOUS NET YIELDS

| | 5.7 Tons | 7.6 Tons | 9.5 Tons | 11.4 Tons |
|-----------------------------------|-----------|-----------|-----------|-----------|
| Cultural | | | | |
| Acre | \$ 374.71 | \$ 374.71 | \$ 374.71 | \$ 374.71 |
| Ton | 65.74 | 49.30 | 39.44 | 32.87 |
| Harvest | | | | |
| Acre | 224.52 | 299.40 | 374.21 | 449.05 |
| Ton | 39.39 | 39.39 | 39.39 | 39.39 |
| Total Cultural and Harvest | | | | |
| Acre | 599.23 | 674.11 | 748.92 | 823.76 |
| Ton | 105.13 | 88.70 | 78.83 | 72.26 |
| Cash Overhead | | | | |
| Miscellaneous | | | | |
| Acre | 35.95 | 40.45 | 44.94 | 49.43 |
| Ton | 6.31 | 5.32 | 4.73 | 4.34 |
| Taxes | | | | |
| Acre | 75.50 | 75.50 | 75.50 | 75.50 |
| Ton | 13.25 | 9.93 | 7.95 | 6.62 |
| Total Cash Overhead | | | | |
| Acre | 111.45 | 115.95 | 120.44 | 124.93 |
| Ton | 19.55 | 15.26 | 12.68 | 10.96 |
| Total Cash Costs | | | | |
| Acre | 710.68 | 790.06 | 869.36 | 948.69 |
| Ton | 124.68 | 103.96 | 91.51 | 83.22 |
| Management Costs | | | | |
| Acre | 38.48 | 51.30 | 64.13 | 76.95 |
| Ton | 6.75 | 6.75 | 6.75 | 6.75 |
| Depreciation Costs | | | | |
| Acre | 125.02 | 125.02 | 125.02 | 125.02 |
| Ton | 21.93 | 16.45 | 13.16 | 10.97 |
| Interest Costs | | | | |
| Acre | 196.88 | 196.88 | 196.88 | 196.88 |
| Ton | 34.54 | 25.91 | 20.72 | 17.27 |
| Total All Costs | | | | |
| Acre | \$1071.06 | \$1163.26 | \$1155.39 | \$1347.54 |
| Ton | 187.91 | 153.06 | 132.15 | 118.21 |

April 1974

The University of California's Agricultural Extension programs are available to all, without regard to race, color, or national origin.

April 1974

Cooperative Extension Work in Agriculture and Home Economics
U.S. Department of Agriculture, University of California
and San Joaquin County cooperating.