

SAMPLE COST OF

PEAR

PRODUCTION

University of California
Agricultural Extension
Solano County, Fairfield, Calif.
Prepared by James E. DeTar
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SAMPLE COSTS TO PRODUCE PEARS, SOLANO COUNTY

Common Labor \$1.00
 10 Acres of Pears on a 40 Acre Fruit Farm
 75 Trees per Acre
 Yield: 10 Tons per Acre

*30 HP track tractor, Gas \$1.45/hr. (Fuel - Repair)
 30 HP wheel tractor, Gas \$1.00/hr. (Fuel - Repair)
 Speed sprayer - - - - - \$2.15/hr. (Fuel - Repair)
 1/2 ton pickup truck - - - \$1.18/hr. (Fuel - Repair)
 1 1/2 ton truck - - - - - \$1.59/hr. (Fuel - Repair)

| Operation | Hrs./ Acre | Labor | Fuel & Repairs | Materials | Total | My Costs |
|---|---------------|--------|-------------------|----------------------|----------|-------------|
| 1. Prune - 75 trees @ 80¢ | -- | --- | --- | --- | \$ 60.00 | |
| 2. Brush | 2 | \$2.00 | 1.45 | --- | 3.45 | |
| 3. Spray - 9 times | 8 | 8.00 | 28.80 | \$83.50 | 120.30 | |
| 4. Blight Cutting | 5 | 5.00 | --- | --- | 5.00 | |
| 5. Fertilize | 0.5 | .50 | .50 | \$10.50 N84# @ 0.125 | 11.50 | |
| 6. Cultivate - 8 times one way | 6.4 | 6.40 | 9.28 | --- | 15.68 | |
| 7. Preparing to irrigate | 3 | 3.00 | 2.90 | --- | 5.90 | |
| 8. Irrigate - 3 times | 6 | 6.00 | --- | Power \$11.50 | 17.50 | |
| 9. Taxes - county, Social Security | -- | ---- | --- | --- | 25.18 | |
| 10. Harvest - pick, sort, haul & suspvsn. @ \$15 per ton | | | --- | --- | 150.00 | |
| 11. Insurance - General & Workman's Comp | | | --- | --- | 13.38 | |
| 12. Misc. - Interest, office expense, pickup truck, replanting, covercrop, equipment repair, etc. | 10 | 10.00 | 8.00 | 22.89 | 40.89 | |

Per Acre \$468.78
 Per Ton 46.88

| | INVESTMENT Per Acre | YEARS LIFE | DEPRECIATION (ANNUAL COST) | INTEREST @ 6% |
|-------------------|---------------------|------------|----------------------------|---------------|
| Land | 500.00 | ---- | None | 30.00 |
| Trees | 600.00 | 40 | 15.00 | 18.00 |
| Irrigation Equip. | 48.50 | 10 | 4.85 | 1.46 |
| Equipment | 375.00 | 15 | 25.00 | 11.25 |
| Buildings | 112.50 | 20 | 5.63 | 3.38 |
| Total | \$1636.00 | | 50.48 | 64.09 |

Per Acre 114.57
 Per Ton 11.46

Management Charge ** 58.34
5.83

Total Cost **\$641.69**
64.17

* Taken from "Machinery Cost and Related Data" by A. D. Reed, University of California, May 1959
 ** 10 percent of total cash and overhead costs.

1. Prune - Contract
2. Brush - Man - 2 hrs. Tractor and brush rake - 1 hr.
3. Spray - 9 sprays include: (1) dormant lime sulfur-oil (2) Copper (3) Copper (4) Guthion-Copper-wettable sulfur (5) Copper (6) Copper (7) Guthion (8) hormone-Sevin-Kelthane (9) Lime sulfur-wettable sulfur. 500 gallons per acre.
5. Fertilize - Ammonium sulfate
6. Cultivation - Both ways in spring and after each of 3 irrigations. Rate of 0.8 hrs. per acre.
7. Prepare to irrigate - furrowing 2 hrs. and laying pipe 1 hr.
10. Harvest - Based on 2000 lbs. fruit per man-day.
13. Overhead - Assuming the following equipment and buildings:

EQUIPMENT

| | |
|------------------------|-----------------|
| 30HP Gas track tractor | \$4,000 |
| 30HP Gas wheel tractor | |
| (used) with forklift | 2,000 |
| Sprayer | 4,000 |
| Truck (used) | 1,000 |
| Pickup (used) | 1,500 |
| Disc | 800 |
| Furrower | 300 |
| Ridger | 200 |
| Roller | 200 |
| Ladders | 150 |
| Bags and buckets | 50 |
| Fertilizer spreader | 200 |
| Brush rake | 600 |
| | <u>\$15,000</u> |

BUILDINGS

| | |
|----------------------------|---------------|
| Bunkhouse for 10 men (old) | \$1500 |
| Employee home (old) | 1500 |
| Machine shed | 1500 |
| | <u>\$4500</u> |

IRRIGATION

| | |
|----------------|---------------|
| 10HP Turbine | |
| (used) | \$1500 |
| Pipe 880' - 6" | |
| surface (used) | 440 |
| | <u>\$1940</u> |

Interest figured on half the original cost. Depreciation on straight line with no salvage value.