

SAMPLE COST OF

PEAR

PRODUCTION

University of California
Agricultural Extension
Solano County, Fairfield, Calif.
Prepared by James E. DeTar
January 1960

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¢	--	6.87	---	---	\$ 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		130 -	20 -	---	150.00	25.18
11. Insurance - General & Workman's Comp			---	13.38	13.38	415.73
12. Misc. - Interest, office expense, pickup truck, replanting, covercrop, equipment repair, etc.	10	10.00	8.00	22.89	40.89	Tax

Cash Cost	Per Acre	510.90	\$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

Overhead Cost	Per Acre	114.57
	Per Ton	11.46
Management Charge **	Per Acre	58.34
	Per Ton	5.83
Total Cost	Per Acre	\$641.69
	Per Ton	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:

<u>EQUIPMENT</u>	<u>BUILDINGS</u>	<u>IRRIGATION</u>
30HP Gas track tractor--\$4,000	Bunkhouse for 10 men (old)\$1500	10HP Turbine
30HP Gas wheel tractor	Employee home (old) 1500	(used) \$1500
(used) with forklift 2,000	Machine shed 1500	Pipe 880' -6"
Sprayer 4,000	<u>\$4500</u>	surface (used) <u>440</u>
Truck (used) 1,000		<u>\$1940</u>
Pickup (used) 1,500		
Disc 300		
Furrower 300		
Ridger 200		
roller 200		
Ladders 150		
Bags and buckets 50		
Fertilizer spreader 200		
Brush rake 600		
<u>\$15,000</u>		

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