

NAVEL ORANGES

SAMPLE PRODUCTION COSTS FOR SAN BERNARDINO COUNTY 1960 - 1961

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SAMPLE COSTS TO PRODUCE NAVEL ORANGES
San Bernardino County 1960 - 1961 Season

Based on a 10-acre owner operation, 90 trees/acre, 60 year old trees, furrow irrigated, wind machine (gas) plus heaters, yield of 260 field boxes per acre, labor \$1.50 per hour or by contract.

Operation	Labor and Equipment	Materials		Total Cost Per Acre	Costs Per Field Box
		Kind	Cost		
Fertilize	\$ 2.00	2 lbs. actual N/tree plus zinc, Mn, foliar urea	\$42.50	\$ 44.50	
Irrigation - 17 times	40.00	Water - 52 acre inches	45.00	85.00	
Pest Control - 4 treatments		Contract		105.00	
Other Pests (Gophers)	2.00			2.00	
Frost Protection		Labor, gasoline, heater oil		50.00	
Cultivation and Weed Control		Contract		25.00	
Remove and Plant Trees	3.00	1 tree	3.00	6.00	
Pruning and Brush Disposal (1)	22.50			22.50	
Miscellaneous	10.00			10.00	
TOTAL CULTURAL COSTS				\$350.00	\$1.34
Pick - 260 field boxes @ 25¢ per field box				65.00	
Haul - 260 field boxes @ 6¢ per field box				15.60	
TOTAL HARVEST COSTS				\$ 80.60	\$.31
	<u>Investment</u>	<u>Depreciation</u>	<u>Interest (3)</u>		
	<u>Per Acre</u>	<u>Per Acre</u>	<u>Per Acre</u>		
Land	\$2300.00	\$ - -	\$138.00		
Trees - 40 years	1000.00	25.00	30.00		
Irrigation System - 20 years	200.00	10.00	6.00		
Wind Machine (85 HP) - 10 yrs.	400.00	40.00	12.00		
Heaters (20/Ac) - 10 years	150.00	15.00	4.50		
	<u>\$4050.00</u>	<u>\$90.00</u>	<u>\$190.50</u>		
				Taxes (2)	31.00
				Insurance	4.00
				Maintenance and Repair	15.00
				General Expense	30.00
				CASH OVERHEAD	\$ 80.00
				TOTAL CASH COSTS	\$510.60
				Depreciation	90.00
				Interest on Investment	190.50
				NON-CASH OVERHEAD	\$280.50
				TOTAL ALL COSTS	\$791.10

(1) Machine hedging two sides

(2) Average taxes for orchards inside city limits \$50.00 per acre

(3) Land @ 6%; trees, irrigation system, wind machine, and heaters 1/2 value @ 6%

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The yield is based on the 1960-1961 crop of Navels. Costs are for the 1960 calendar year. The yields and various costs in the growing of Navel oranges in San Bernardino County vary considerably.

In some orchards there was a great deal more pruning than indicated in this data sheet, while others had no pruning at all. In a number of orchards, there was no frost protection provided. Non-cultivation costs varied from less to more than the costs for cultivation. These figures will need to be adjusted for these differences when comparing to grower costs.

IN SUMMARY

	Per Acre	*Per Field Box	Your Cost Per Acre	Per Field Box
Cultural Costs	\$350.00	\$1.34		
Cash Overhead	80.00	.31		
TOTAL ON TREE CASH COSTS	430.00	1.65		
Harvesting Costs	80.60	.31		
TOTAL ALL CASH COSTS	510.60	1.96		
Depreciation	90.00	.35		
Interest on Investment	190.50	.73		
TOTAL NON-CASH OVERHEAD	280.50	1.08		
TOTAL ALL COSTS	791.10	3.04		

* Using 260 field boxes per acre