

NAVEL ORANGE PRODUCTION

Cost Analysis Work Sheet - 1976

Sample costs to produce Navel Oranges (in Kern County, based on a planting of 90 trees per acre, with a yield of 600 field boxes of fruit. Skilled labor at \$4.30 per hour and other labor at \$3.90 per hour total cost to the grower.

	<u>Sample Costs</u>		<u>My Costs</u>	
	per acre	per field box	per acre	per field box
PRE-HARVEST CULTURAL COSTS				
Irrigation:				
Labor	\$ 55.00			
Water, \$25 ac. ft, x 3½ ac. ft.	88.00			
Pest & Disease Control				
Insect & Mites, 3 X plus one air application	104.00			
Disease control, one time	26.00			
Growth Regulator application	11.00			
Fertilization: (micro elements and leaf analysis)	50.00			
Weed Control (labor and materials)	32.00			
Pruning and Brush Disposal	23.00			
Frost Protection	45.00			
Misc. tree care, replacement, etc.	43.00			
PRE-HARVEST CASH COSTS	\$477.00	.79		
CASH OVERHEAD				
Taxes	\$ 70.00			
Maintenance and repair, except tractor and frost protection	22.00			
General expenses (office, short term credit, etc.)	35.00			
Management charge not included	--			
TOTAL CASH OVERHEAD	127.00	.21		
TOTAL PRE-HARVEST CASH COSTS	604.00	1.00		
INVESTMENT OVERHEAD				
Depreciation	147.00	.25		
TOTAL PRE-HARVEST CASH COSTS + DEPRECIATION	751.00	1.25		
INTEREST ON INVESTMENT	278.00	.46		
TOTAL PRE-HARVEST COSTS	\$ 1,029.00	\$ 1.71		

Sample Costs at Varying Yields

Yield: Field Boxes per acre	300	400	500	600	700
Total on-tree costs per box	\$3.43	2.57	2.06	1.71	1.47

Investment, Depreciation and Interest Schedule

	<u>Investment</u>	<u>Depreciation</u>	<u>Interest</u>
Land	\$ 1500.00	\$	\$ 120.00
Tree Development Cost	2300.00	58.00	103.00
Irrigation Systems	300.00	24.00	14.00
Building & Equipment	300.00	25.00	14.00
Wind Machine	600.00	40.00	27.00
Totals	\$5000.00	\$147.00	\$278.00

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