

NAVEL ORANGE PRODUCTION

Cost Analysis Work Sheet
Fresno County, 1970

<u>PRE-HARVEST CASH CULTURAL COSTS</u>	<u>Per Acre</u>
Irrigation: 7 times	
Labor - 10 hrs/ac.	\$ 20.00
Water - 2½ ac. ft. @ \$6	15.00
Pest control:	
Insects & mites (3 times + 1 air)	80.00
Whitewash	20.00
Growth regulators (¼ acreage/year)	9.00
Fertilization:	
Nitrogen, zinc, leaf analysis	20.00
Weed control:	
Herbicide - annual treatment + spot	24.00
Prune, sucker & brush disposal (yearly average)	16.00
Frost protection: (10 nights-7½ HP pump-80 hrs.)	
Water - (power & maintenance)	24.00
Labor - 5 hrs.	10.00
Drive row maintenance	3.00
Misc. (tree care, replacement, materials)	40.00
Subtotal	\$281.00
<u>CASH OVERHEAD</u>	
Taxes	\$ 60.00
Maintenance & repair (except tractor)	15.00
General expenses (office, phone, prod. credit)	24.00
Management charge	0
Subtotal	\$ 99.00
PRE-HARVEST CASH COST (on tree cash cost)	\$380.00
<u>INVESTMENT OVERHEAD</u>	
Depreciation	\$ 80.62
Interest 7%	155.41
TOTAL PRE-HARVEST COST (total on tree cost)	\$616.03

Cost Per Field Box at Varying Yields

Yield-Field Boxes/Ac	200	300	400	500	600
On Tree Cash Cost	1.90	1.26	.95	.76	.63
Total on Tree Cost	3.08	2.05	1.54	1.23	1.03

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	Per Acre		
	<u>Investment</u>	<u>Depreciation</u>	<u>Interest (7%)</u>
Land	\$1,000	--	\$ 70.00
Tree development costs	1,975	49.37	69.13
Irrigation system	225	11.25	7.88
Bldgs. & equipment	240	20.00	8.40
Wind machines	--	--	--
		\$80.62	\$155.41

NAVEL ORANGE PRODUCTION COSTS

Fresno County, 1970

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Farm Advisors

These cost data are based on the following assumptions:

General Layout - 40 acres, graded and deep ripped. Trees spaced 24' x 24',
90 trees/acre

Wages - \$2.00/hr. includes insurance, bonus, etc.

Irrigation system - Frost Protection - Irrigation district water available;
supplemented by 7½ HP pump also used for frost protection. 600'
irrigation runs, return flow pickup or optional waste disposal
via drain.

Weed control - Annual pre-emergence herbicide and spot spray.

Pest control - Thrips - one ground and one aerial treatment
Red Scale - one complete coverage ground treatment
Citrus Red Mite - Fall treatment
Whitewash - Fall treatment

Fertilization - Foliar urea, soil applied N and leaf analysis

No management fees are charged -- assumed to be owner operated.

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