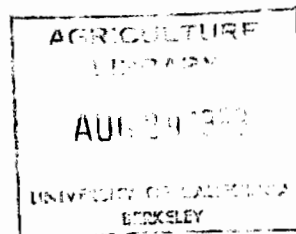


NAVEL ORANGE PRODUCTION

Cost Analysis Work Sheet

Sample costs to produce Navel oranges in Fresno County. Costs are for a mature grove, containing 180 trees per planted acre, and producing 600 field boxes weighing 53 lbs. Man labor at \$1.70 per hour total and equipment operator \$1.90. Non-tillage practices are assumed, and the total cost of a tractor to pull the spray rigs is included in non-tillage and pest control expenses.

| | <u>Sample Costs</u> | | <u>My Costs</u> | |
|-----------------------------------------------------|---------------------|-----------------|-----------------|-----------------|
| | Per acre | Per fieldbox | Per acre | Per fieldbox |
| PRE-HARVEST CASH COSTS: | | | | |
| Non-tillage costs: total | \$ 15.00 | | | |
| Irrigate 7 times: labor | 20.00 | | | |
| Water: power for 3 ac. ft. at \$6 | 18.00 | | | |
| Fertilizer: 125 lbs. N @ 12½¢ | 15.60 | | | |
| Fertilizer application: total | 2.75 | | | |
| Pest control: 3 applications + nutritional spray | 84.50 | | | |
| Frost protection: wind machine & heaters | 60.00 | | | |
| Misc. tree care + materials | 18.00 | | | |
| County taxes | 45.00 | | | |
| Repairs to equipment | 5.00 | | | |
| Office, car, operating capital, ins., etc. | 31.80 | | | |
| Total Pre-harvest Cash Costs | \$315.65 | .52 | | |
| HARVESTING COSTS: | | | | |
| Pick & haul 600 boxes @ 41¢ | \$246.00 | .41 | | |
| Total Cash Costs | \$561.65 | .93 | | |
| DEPRECIATION: | | | | |
| Irrigation system: \$140.00 - 20 yrs. | \$ 7.00 | | | |
| Pump, panel, well: \$120 - 12 yrs. | 10.00 | | | |
| Wind machine: \$480 - 15 yrs. | 32.00 | | | |
| Bldgs., other equip.: \$220 - 10 yrs. | 22.00 | | | |
| Trees: \$196 @ 40 yrs. | 49.00 | | | |
| Total Depreciation | \$120.00 | .20 | | |
| INTEREST ON INVESTMENT AT 7%: | | | | |
| Irrigation system: ½ cost \$70 | 4.90 | | | |
| Pump, panel, well: ½ cost \$60 | 4.20 | | | |
| Wind machine: ½ cost \$240 | 16.80 | | | |
| Bldgs. & other equip: ½ cost \$110 | 7.70 | | | |
| Land: \$1000 | 70.00 | | | |
| Trees: ½ cost \$980 | 68.60 | | | |
| Total Interest on Investment | \$172.20 | .29 | | |
| TOTAL COST OF PRODUCTION | \$853.85 | \$1.42 | | |



NAVEL ORANGE PRODUCTION

Cost Analysis Work Sheet

Todd Browne and E. A. Yeary
Farm Advisors

This work sheet was developed to show sample costs for a good yielding, mature grove under Fresno County conditions. These costs will be useful as a guide when a specific planting is under consideration.

When using this work sheet it is important to consider the following:

1. Seasonal variations influence fruit set, quality, and operational expenses. Consequently, differences in harvest, pest control and frost protection will occur.
2. These sample costs are based on a 30 acre citrus operation and larger.
3. No account is taken for partial or complete crop loss due to frost, June drop, labor problems, insects, etc.
4. No allowance is made for management costs.
5. Interest and depreciation costs are based on present costs of establishing an orchard. Present bearing orchards may have been established at a lower cost.

Farm & Home Advisors Office
1720 S. Maple Ave.
Fresno, California 93702

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