

1970

**IRRIGATED, CANE-PRUNED
PREMIUM VARIETIES
WINE GRAPE PRODUCTION COSTS
IN THE NORTH COAST COUNTIES**

Sample costs presented in this sheet are chiefly for the production of varieties such as Cabernet-Sauvignon, Sauvignon blanc, Chardonnay, Pinot noir, Gewürztraminer, and White Riesling. The data were developed in Mendocino, Napa, and Sonoma Counties.

Cost Analysis Worksheet
Showing Sample Costs

University of California

Agricultural Extension

AXT-226
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UC Cooperative Extension

IRRIGATED, CANE-PRUNED PREMIUM WINE VARIETIES — Sample Production Costs, 1970
Planted 8 feet by 12 feet, 413 vines per acre

COST ANALYSIS WORKSHEET

PREHARVEST CASH AND LABOR COST	Cost Per Acre	Cost Per Ton	Your Cost
Pruning — 413 vines, 26 M-hr including supervision	\$ 57.70	\$	\$
Brush disposal (chopper) — .5 M-hr, .5 tr-hr	2.05		
Tying canes — 4 M-hr	8.80		
Sulfuring 4 times (power duster) — 1.2 M-hr, 1.2 tr-hr	5.00		195
Sulfur — 40 pounds @ 6¢	2.40		50
Spray for mites (contract) — @ 2¢/gal	6.00		60
Spray material (miticide)	7.00		300
Fertilize — .5 M-hr, .1 tk-hr, .4 tr-hr	2.15		
Fertilizer — 50 pounds N @ 12¢	6.00		
Weed spray to vine row (contract)	7.00		
Weed spray material	5.60		
Cultivate, 4 times — 3 M-hr, 3 tr-hr	12.30		
Irrigation labor, twice — 2 M-hr	4.40		
Water — pumping power	7.00		
Misc. labor, trellising, etc. — 7 M-hr, 1 tr-hr, 1 tk-hr	19.80		
Misc. material	6.00		
County taxes	62.00		
Office, car, etc.	24.00		
Repairs, except field power	8.00		
Total Preharvest Cash and Labor Cost	\$253.20	\$ 63.30	\$
HARVESTING COST			
Picking — @ \$22.50/ton	\$ 90.00	\$ 22.50	\$
Supervision — 4 M-hr	10.80	2.70	
Move gondolas, misc. — 2 M-hr, .5 tr-hr, .5 tk-hr	7.20	1.80	
Haul to winery — @ \$3/ton	12.00	3.00	
Total Harvesting Cash Cost	\$120.00	\$ 30.00	\$
Total Cash and Labor Cost	\$373.20	\$ 93.30	\$

DEPRECIATION PER ACRE	Cost Per Acre	Cost Per Ton	Your Cost
Vines — cost \$1,776, 30-yr life	\$ 59.20	\$	\$
Irrig facilities — cost \$260, 16-yr life	16.25		
Build for equip — cost \$33, 30-yr life	1.10		
Tractor, tillage equip, chopper — cost \$195, 15-yr life	13.00		
Truck or pickup (used) — cost \$50, 10-yr life	5.00		
Duster, gondolas, misc. equip — cost \$60, 10-yr life	6.00		
Total Depreciation Cost	\$100.55	\$ 25.14	\$
Total Cash and Depreciation Cost	\$473.75	\$118.44	\$
INTEREST ON INVESTMENT @ 7%			
Vines — on ½ cost (\$888)	\$ 62.16	\$	\$
Irrig facilities — on ½ cost (\$130)	9.10		
Build for equip — on ½ cost (\$16.50)	1.16		
Tractor, tillage equip, chopper — on ½ cost (\$97.50)	6.83		
Truck or pickup (used) — on ½ cost (\$25)	1.75		
Duster, gondolas, misc. equip — on ½ cost (\$30)	2.10		
Land — @ \$2,000	140.00		
Total Interest on Investment	\$223.10	\$ 55.77	\$
TOTAL COST OF PRODUCTION* (4-ton yield)	\$696.85	\$174.21	\$
TOTAL COST AT VARYING YIELDS			
2 tons (with same cultural and	\$636.85	\$318.43	
3 tons overhead cost/acre and	666.85	222.28	
5 tons harvesting cost/ton)	726.85	145.37	
6 tons	756.85	126.14	
Based on a 40-acre vineyard with a yield of 4 tons/acre. Man labor @ \$2.20 and \$2.70/hour (includes compensation insurance and Social Security, but no allowance for housing or other benefits). Tractor cash cost/hour @ \$1.40, truck @ \$2.			
* Does not include any cost for management. This is sometimes calculated at 5% of the gross income.			

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ABOUT THIS SHEET

This is a companion sheet to AXT-156, *Vineyard Establishment Costs in the North Coast Counties for Irrigated, Cane-Pruned Premium Wine Varieties*. Another cost data sheet, AXT-158, covers production costs for nonirrigated, head-pruned wine varieties. The input and cost data are to be used only as guides in determining production costs and practices that might increase production efficiency. The figures shown are based on good management practices and do not represent industry averages.

YIELD – The yield of 4 tons per acre is above average for the area, but is below that attained in some vineyards. This figure is typical of an attainable annual average for the better vineyards planted with certified stock and cared for in accordance with the recommended cultural practices included in the costs shown.

DEER FENCING – In some vineyards permanent fencing may be an added cost. Overhead and maintenance costs may be from \$5 to \$7 an acre annually.

FROST PROTECTION – Frost protection facilities would be an added cost. Refer to Agricultural Extension publication, *Frost Protection Costs for North Coast Vineyards*, AXT-267, available at the county Farm Advisors' office.

Prepared by James V. Linder, Farm Advisor, Napa County; Robert L. Sisson, Farm Advisor, Sonoma County; Bruce E. Bearden, Farm Advisor, Mendocino County; and A. N. Kasimatis, Extension Viticulturist, Davis, and Burt B. Burlingame, Extension Economist, Berkeley.

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George B. Alcorn, Director, California Agricultural Extension Service.