

WINE VARIETIES
Sample Costs for a Mature Vineyard
Cost Analysis Worksheet - 1984

Based on a 120-acre unit, vines spaced 8' x 11'. Labor costs at \$5.25 and \$6.25 per hour total. Tractor per hour cash costs at \$8.90, depreciation \$2.86, and interest \$1.60. Wages include Social Security, Workmen's Compensation, insurance and all other fringe benefits. Yield of 10 tons per acre.

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
Pre-Harvest Cash Costs:				
Pruning: contract at 23¢/vine, 495 vines	\$ 114.			
Brush disposal: every middle, contract	10.			
Fertilizer: 60 lbs. N at 30¢ + \$5/acre application	23.			
Pest management and disease control, including mildew	142.			
Herbicide: materials + application	32.			
Irrigation preparation and cultivation: 4 hrs. labor + 4 hrs. tractor	61.			
Irrigate: 5 hrs. labor at \$6.25	31.			
Water-power and/or district tax: 3½ ac. ft. at \$15	53.			
Misc. labor: 3 hrs. labor + 1 hr. tractor	26.			
Misc. materials	28.			
County taxes	65.			
Repairs, except tractor	32.			
Interest on operating capital 12%	64.			
Office and business costs	34.			
TOTAL PRE-HARVEST CASH COSTS	\$ 715.	\$ 71.50		
Harvesting Costs:				
Pick and haul to winery - contract \$45/ton	\$ 450.			
TOTAL HARVESTING COSTS	\$ 450.	\$ 45.00		
TOTAL CASH COSTS	\$1165.	\$116.50		
Depreciation:				
Vines, stakes, trellis: \$5775, 30 yr. life	\$ 193.			
Irrigation system: \$680, 20 yr. life	34.			
Buildings and equipment, except tractor: \$550, 12 yr. life	46.			
Tractor: 7 hrs. at \$2.86	20.			
TOTAL DEPRECIATION	\$ 293.	\$ 29.30		
Interest on Investment at 11%:				
Vines, stakes, trellis: ½ cost \$2888	\$ 318.			
Irrigation system: ½ cost \$340	37.			
Buildings and equipment, except tractor: ½ cost \$275	30.			
Tractor: 7 hrs. at \$1.60	11.			
Land: \$5000/acre	550.			
TOTAL INTEREST ON INVESTMENT	\$ 946.	\$ 94.60		
TOTAL COST OF PRODUCTION	\$2404.	\$240.40		

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Total Cost of Production Per Ton at Varying Yields

6 tons = \$371.	8 tons = \$289.	10 tons = \$240.	12 tons = \$208.
14 tons = \$185.	16 tons = \$167.	18 tons = \$154.	

About This Sheet

This sheet is one of a series on sample costs of producing grapes in the San Joaquin Valley. This series includes: Thompson Seedless for Raisins and Wine, Thompson Seedless for Table Use, Wine Varieties, Emperor, and Ribier or Cardinal. The input and cost data are to be used only as guides in determining the production costs for a specific vineyard and to help growers analyze costs and practices that would increase production efficiency. The figures shown are based on what are considered good management practices in many vineyards. They do not represent industry averages.

YIELD - Yield is the most important factor affecting costs per ton and profit per acre. The yield per acre used in this sample is average over a period of years for a typical, well-managed vineyard. Although this figure is higher than the industry average, some vineyards do better.

IRRIGATION - Sample costs for irrigation labor and water costs are based on a pumping system with pipelines. Labor cost per acre is affected by the number of irrigations, quantity applied, and size of head. Large heads of water may lower the labor costs. When all the water is from an irrigation district, the investment overhead costs of depreciation and interest on irrigation facilities are normally lower.

PEST AND DISEASE CONTROL - Dusting and spraying costs may vary considerably from year to year. Control measures required also vary between vineyards. The sample costs shown on this sheet are based on average conditions.

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