



*Sample Costs
to Produce*
WINE VARIETIES
*in the
San Joaquin Valley*

1978

Division of Agricultural Sciences
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WINE VARIETIES - Sample Costs for a Mature Vineyard
Cost Analysis Worksheet, 1978

Based on a 120-acre unit. Labor costs at \$3.60 and \$4.60 per hour total. Tractor per hour cash costs at \$3.10, depreciation at \$2.00, and interest at \$1.00. Wages include Social Security, Workmen's Compensation, insurance, and other fringe benefits. Yield at 11 tons for high yielding varieties and 8 tons for moderate yielding varieties.

	Costs Per Acre	
	Sample Costs	My Costs
Pre-Harvest Cash Costs:		
Pruning - contract @ 17¢/vine, 519 vines	\$ 88.23	
Brush disposal - contract	5.00	
Fertilizer - 60 lbs. N @ 30¢ applied	18.00	
Mildew control = 2 hrs. labor + 1½ tractor hrs. + materials @ \$5.00	18.35	
Pest management and materials	55.00	
Irrigation preparation and weed control - 4 hrs. labor + 4 tractor hrs.	30.80	
Irrigate = 5 hrs. labor @ \$4.60	23.00	
Water-power and/or district tax	45.00	
Misc. labor - 3 hrs. labor + 1 tractor hr.	14.90	
Misc. materials	20.00	
County taxes	60.00	
Repairs, except tractor	20.00	
Business and office costs, operating capital, insurance, etc.	38.30	
TOTAL PRE-HARVEST CASH COSTS	\$436.58	
(high yielding = \$438.92)		
Depreciation:		
Vines, stakes, trellis: cost \$2754, 30 yr. life	\$ 91.80	
Irrigation system: \$300, 20 yr. life	15.00	
Bldgs. & equip., except tractor: \$160, 12 yr. life	13.33	
Tractor: 6½ hrs. @ \$2.00	13.00	
TOTAL DEPRECIATION	\$133.13	
Interest on Investment at 8%:		
Vines, stakes, trellis: 1/2 cost \$1377	\$110.16	
Irrigation system: 1/2 cost \$150	12.00	
Bldgs. & equip., except tractor: 1/2 cost \$80	6.40	
Tractor: 6½ hrs. @ \$1.00	6.50	
Land: \$2000/acre	160.00	
TOTAL INTEREST ON INVESTMENT	\$295.06	
TOTAL COST EXCEPT HARVESTING	\$864.77	
(high yielding = \$867.11)		

Harvesting and Total Costs per Ton:

	Moderate Yielding	High Yielding
Total cost, except harvesting	\$108.10	\$ 78.83
Pick and haul to winery - contract	34.00	28.00
Misc. harvesting costs	1.00	1.00
TOTAL COST OF PRODUCTION PER TON	\$143.10	\$107.83

TOTAL COST OF PRODUCTION PER TON AT VARYING YIELDS

Moderate yielding varieties:

6 tons = \$179.33 7 tons = \$158.54 9 tons = \$131.09 10 tons = \$121.48

High yielding varieties:

8 tons = \$137.39 10 tons = \$115.71 12 tons = \$101.26 14 tons = \$ 90.94

ABOUT THIS SHEET

This sheet is one of a series on sample costs of producing grapes in the San Joaquin Valley. The series includes information on Thompson Seedless for Raisins and Wine, Thompson Seedless for Table Use, Emperors, and Wine Varieties. 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 pipeline. Labor costs per acre are 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.

Prepared by:

- Peter Christensen, Farm Advisor, Fresno County.
- Don Luvisi, Farm Advisor, Kern County.
- Fred Swanson, Farm Advisor, Fresno County.
- George Leavitt, Farm Advisor, Madera County.
- Bill Peacock, Farm Advisor, Tulare County.
- A. N. Kasimatis, Extension Viticulturist, Davis.
- Fred Jensen, Extension Viticulturist, Parlier.
- Edward A. Yeary, Farm Advisor-Statewide, Parlier.
- Lynn A. Horel, Staff Research Associate, Davis.
- Gregory Carnill, Farm Advisor, Merced County.

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U.S. DEPARTMENT OF AGRICULTURE
UNIVERSITY OF CALIFORNIA
Berkeley, California 94720

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