

EMPEROR TABLE GRAPES
Sample Costs for a Mature Vineyard
Cost Analysis Worksheet - 1984

Based on a 120-acre unit, vines spaced at 8' x 12'. Labor at \$5.25 and \$6.25 per hour total. Tractor per hour cash costs \$8.90, depreciation \$2.86, interest \$1.60. Yield of 457, 23-pound lugs (87/ton), 5.25 tons shipped and 1.75 tons culls. Wages include Social Security, Workmen's Compensation, Insurance, and all other fringe benefits.

	Sample Costs		My Costs	
	Per Acre	Per Lug	Per Acre	Per Lug
Pre-Harvest Cash Costs:				
Pruning: 20¢/vine, 454/acre	\$ 91.			
Brush disposal: alternate middles, contract	7.			
Fertilizer: 50 lbs. N at 30¢ + \$5 application	20.			
Gibberellin spray, material and application	21.			
Pest management and disease control, including mildew	178.			
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: 4½ ac. ft. at \$30 per ac. ft.	135.			
Fruit exposure: 17 hrs. labor	89.			
Misc. labor: 8 hrs. labor + 2 hrs. tractor	62.			
Misc. materials, stakes, etc.	32.			
County taxes	65.			
Repairs, except tractors	32.			
Interest on operating capital 12%	165.			
Office and business costs	31.			
TOTAL PRE-HARVEST CASH COSTS	\$1052.	\$2.30		
Depreciation:				
Vines, stakes, trellis: \$6000, 20 yr. life	\$ 200.			
Irrigation system: \$680, 20 yr. life	34.			
Buildings and equipment, except tractor:				
\$580, 12 yr. life	48.			
Tractor: 8½ hrs. at \$2.86	24.			
TOTAL DEPRECIATION	\$ 306.	\$.67		
Interest on Investment at 11%:				
Vines, stakes, trellis: ½ cost \$3000	\$ 330.			
Irrigation system: ½ cost \$340	37.			
Buildings and equipment, except tractor:				
½ cost \$290	32.			
Tractor: 8½ hrs. at \$1.60	14.			
Land: \$5000/acre	550.			
TOTAL INTEREST ON INVESTMENT	\$ 963.	\$2.11		
TOTAL PRE-HARVEST COSTS	\$2321.	\$5.08		

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Cost Per Lug of Packed Fruit

HOUSE PACKED		FIELD PACKED	
Pre-harvest cost	\$5.08	Pre-harvest cost	\$5.08
Pick and haul	.80	Pick and haul	1.40
Packinghouse cost	2.55	Boxes, etc.	1.56
Cold storage - 3 months	.80	Spread boxes, swamp, haul	.35
		Cold storage - 3 months	.80
TOTAL	\$9.23	TOTAL	\$9.19
NET CREDIT - CULLS @ \$.75/TON	.29	NET CREDIT - STRIPPINGS	--
NET F.O.B. COSTS*	\$8.94	NET F.O.B. COSTS*	\$9.19

*Selling commission, Table Grape Commission assessment, inspection and wrapping are not included.

Total F.O.B. Cost Per Lug at Varying Yields

YIELD: Packed lugs	300	400	500	600
House packed	\$11.60	\$9.66	\$8.50	\$7.73
Field packed	\$11.85	\$9.91	\$8.75	\$7.98

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 pipeline. Labor costs 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.