

# 1972

## GRAPE PRODUCTION COSTS IN THE SAN JOAQUIN VALLEY

# EMPEROR GRAPES

Cost Analysis Worksheet  
Showing Sample Costs

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**COST ANALYSIS WORKSHEET: Emperor Grapes – Sample Costs for a Mature Vineyard, 1972**

	COSTS PER ACRE	
	Sample Costs	Your Costs
<b>PRE-HARVEST CASH COSTS</b>		
Pruning – 19 hours labor @ \$2.30	\$ 43.70	\$
Brush disposal – all middles, contract	3.50	
Fertilizer – 40 pounds N @ 14¢ applied	5.60	
Mildew control – 2½ hours labor + 2½ tractor-hours + materials @ \$4.50	14.38	
Pest management and materials	40.00	
Irrigation preparation and weed control – 4 hours labor + 4 tractor-hours	15.80	
Irrigate – 8 hours labor @ \$2.65	21.20	
Water – power and/or district tax	28.00	
Opening up vines – 17 hours labor	39.10	
Misc. labor – 8 hours labor + 2 tractor-hours	21.70	
Misc. materials, stakes, etc.	16.50	
County taxes	31.00	
Repairs, except tractor	9.00	
Business and office costs, operating capital, insurance, etc.	54.99	
<b>Total Pre-Harvest Cash Costs</b>	<b>\$344.47</b>	<b>\$</b>
<b>DEPRECIATION</b>		
Vines, stakes, trellis – cost \$1,560, 25 years	\$ 62.40	\$
Irrigation system – \$280, 20 years	14.00	
Buildings and equipment, except tractor – \$114, 12 years	9.50	
Tractor – 8½ hours @ \$1.30	11.05	
<b>Total Depreciation</b>	<b>\$ 96.95</b>	<b>\$</b>
<b>INTEREST ON INVESTMENT @ 7%</b>		
Vines, stakes, trellis – ½ cost, \$770	\$ 53.90	\$
Irrigation system – ½ cost, \$140	9.80	
Buildings and equipment, except tractor – ½ cost, \$57	3.99	
Tractor – 8½ hours @ 75¢	6.38	
Land – @ \$900/acre	63.00	
<b>Total Interest on Investment</b>	<b>\$137.07</b>	<b>\$</b>
<b>TOTAL PRE-HARVEST COST</b>	<b>\$578.49</b>	<b>\$</b>

COSTS PER LUG OF PACKED FRUIT				
	HOUSE PACKED		FIELD PACKED	
	Sample Cost	Your Cost	Sample Cost	Your Cost
Pre-harvest cost	\$ 1.43	\$	\$ 1.43	\$
Pick and haul	.35		.60	
Packing house cost	1.30		.60	
Cold storage – 3 months	.28		.10	
			.28	
<b>TOTAL</b>	<b>\$ 3.36</b>	<b>\$</b>	<b>\$ 3.01</b>	<b>\$</b>
Net credit – culls @ \$20/ton	– .09		--	
<b>NET F.O.B. COST*</b>	<b>\$ 3.27</b>	<b>\$</b>	<b>\$ 3.01</b>	<b>\$</b>

TOTAL F.O.B. COST PER LUG AT VARYING YIELDS*				
Yield – Packed Boxes	200	300	400	500
House Packed	\$4.73	\$3.77	\$3.28	\$3.00
Field Packed	4.47	3.51	3.02	2.74

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

Based on an 80-acre unit. Labor @ \$2.30 and \$2.65 per hour total. Tractor per hour cash costs, \$1.30; depreciation, \$1.30; interest, \$.75. Yield at 404 26-pound lugs (77/ton) – 5.25 tons shipped and 1.75 tons culls.

## 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 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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