

GR-SJ-70-3

**1970**

**GRAPE PRODUCTION COSTS  
IN THE SAN JOAQUIN VALLEY**

**THOMPSON SEEDLESS  
FOR RAISINS OR WINE**

Cost Analysis Worksheet  
Showing Sample Costs

University of California

Agricultural Extension

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	COST PER ACRE	
	Sample Cost	Your Cost
<b>PREHARVEST CASH AND LABOR COST</b>		
Pruning – contract	\$ 42.00	\$
Brush disposal – contract, alternate middles	2.25	
Tying – contract	6.50	
Fertilizer – 40 pounds N @ 14¢ applied	5.60	
Pest and disease control application – 1 man-hour, 1 tractor-hour + 2 contract sprays @ \$5	13.45	
Pest and disease control material	10.50	
Tillage and irrigation preparation, weed control – 3½ man- and tractor-hours	12.08	
Irrigate – 4 man-hours @ \$2.15	8.60	
Water – irrigation tax and/or power, 3½ acre-feet	12.00	
Misc. labor – 3 man-hours + 1 tractor-hour	7.25	
Misc. material – stakes, twine, etc.	9.00	
County taxes	31.00	
Office, car, interest on operating capital, etc. (wine \$20.50)	24.00	
Repairs – irrigation system and equipment, except tractor	7.00	
<b>Total Preharvest Cash and Labor Cost</b>	<b>\$191.23</b>	
<b>DEPRECIATION</b>		
Vines, stakes, and trellis – cost \$1,068, 30-year life	\$ 35.60	\$
Irrigation system – cost \$230, 20-year life	11.50	
Buildings and equipment except tractor – cost \$100	7.50	
Tractor @ \$1.25/hour – 7.4 hours raisins, \$9.25; 5½ hours winery, \$6.88	9.25	
<b>Total Depreciation Cost</b>	<b>\$ 63.85</b>	<b>\$</b>
<b>INTEREST ON INVESTMENT AT 7%</b>		
Vines, stakes, and trellis – ½ cost (\$534)	\$ 37.38	
Irrigation system – ½ cost (\$115)	8.05	
Buildings and equipment, except tractor – ½ cost (\$50)	3.50	
Tractor @ 60¢ – 7.4 hours raisins, \$4.44; 5½ hours winery, \$3.30	4.44	
Land without improvements @ \$800	56.00	
<b>Total Interest on Investment</b>	<b>\$109.37</b>	
<b>TOTAL COST EXCEPT HARVESTING<sup>1</sup></b>	<b>\$364.45</b>	

	COST PER TON			
	Raisins		Winery Fruit	
	Sample Cost	Your Cost	Sample Cost	Your Cost
<b>HARVESTING AND TOTAL COST</b>				
Total cost except harvesting	\$161.98	\$	\$ 35.74	\$
Pick and haul for winery – contract @ \$12.00/ton			12.00	
Terracing – ¾ man- and tractor-hour, \$2.60/acre	1.16			
Pick for raisins – 425 trays/ton @ 9¢ including benefits	38.25			
Turn and roll – contract	10.20			
Box and shake – 3 man-hours + ½ tractor-hour/ton	7.10			
Deliver to processor	4.00			
Paper trays – 440/ton @ \$11.70/million	5.15			
Raisin rain insurance – @ \$5/ton	5.00			
Misc. harvest – raisins @ \$3/ton + (boxes), \$3.50/ton; wine, 50¢/ton	6.50		.50	
<b>Total Harvesting Cost</b>	<b>\$ 77.36</b>	<b>\$</b>	<b>\$ 12.50</b>	<b>\$</b>
<b>TOTAL COST OF PRODUCTION PER TON<sup>2</sup></b>	<b>\$239.34</b>	<b>\$</b>	<b>\$ 48.24</b>	<b>\$</b>
<b>TOTAL COST OF PRODUCTION PER TON AT VARYING YIELDS</b>				
	Raisins		Wine	
1.5 tons = \$320.90	2.5 tons = \$223.02	6.7 tons = \$65.85	11.1 tons = \$44.70	
2.0 tons = \$259.73	3.0 tons = \$198.55	8.9 tons = \$52.66	13.3 tons = \$39.38	
Based on an 80-acre unit; yield at 2¼ dry tons and 10 fresh tons for winery. Man labor @ \$1.90 and \$2.15 per hour (includes Workmen's Compensation, Social Security, and other benefits); medium-wheel diesel tractor per hour cash operating cost, \$1.30; depreciation, \$1.25; interest, \$0.60.				

<sup>1</sup> Total for winery fruit – \$357.44.

<sup>2</sup> Inspection and California Raisin Advisory Board assessments not included.

# 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, Golden Bleached Raisins, and Table Use, Zante Currants, Muscats, 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 an 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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