

THOMPSON SEEDLESS GRAPES FOR RAISINS OR WINE  
Sample Costs for a Mature Vineyard - 1986

Based on a 120-acre unit, vines spaced at 7' x 12'. Wages include Social Security, Workmen's Compensation and insurance. Yield of 2 tons raisins or 9 tons for winery. Tractor and supervisory labor \$5.70 per hour. Field labor \$4.85 per hour. Tractor \$6.48 per hour.

Operation	Labor Hours per Acre	Cash and Labor Costs Per Acre			Total Cost	Your Cost
		Labor	Fuel & Repairs	-----Materials----- Kind and Quantity		
<b>Pre-harvest Cash Costs:</b>						
Pruning: contract				\$.19/vine, 519 vine/acre	98.61	98.61
Brush Disposal: contract				alternate middles	7.00	7.00
Tying vines: contract				\$.03/vine	15.57	15.57
Fertilizer				50 lbs N @ \$.30/lb + \$5/acre application	20.00	20.00
Growth regulator				Gibberellin	4.50	4.50
Disease & pest control including mildew				Bayleton, Kryocide, Omite, Thiodan	80.60	80.60
Disease, pest, and growth regulator application costs						32.00
Herbicides				Materials & \$14 appl cost	38.92	38.92
Cultivation and irrigation preparation	4	22.80	25.92			48.72
Irrigate	5	24.25				24.25
Water power and/or district tax 3 1/2 ac ft @ \$13					45.50	45.50
Misc. 1 hr. tractor 3 hrs. labor	3	14.55	6.48	Misc. materials	28.00	49.03
Interest on operating capital @ 12.5%						58.09
<b>TOTAL CULTURAL COSTS</b>	<b>12</b>	<b>61.60</b>	<b>32.40</b>		<b>338.70</b>	<b>522.79</b>
<b>Cash overhead:</b>						
Office and business costs						30.00
County Taxes						39.06
<b>TOTAL CASH OVERHEAD COSTS</b>						<b>69.06</b>
<b>TOTAL CASH COSTS</b>						<b>591.85</b>
<b>TOTAL CASH COST PER TON - 2 tons raisins</b>						<b>295.92</b>
<b>TOTAL CASH COST PER TON - 9 tons winery</b>						<b>65.76</b>
<b>Investment</b>						
		Per Acre	Annual Cost			Total
			Depreciation	Interest @ 12.5%		
Equipment, buildings & irrigation 13.4 hrs.		906.36	68.18	56.65		124.83
Vines, stakes, trellis - 20 yr life		5065.00	253.25	316.56		569.81
Land		3000.00		375.00		375.00
<b>TOTAL INVESTMENT COSTS</b>		<b>8971.36</b>	<b>321.43</b>	<b>748.21</b>		<b>1069.64</b>
<b>TOTAL COSTS PER ACRE</b>						<b>1661.49</b>
Cost per ton	2 tons raisins					830.75
Cost per ton	9 tons winery					184.61

	<u>Cost Per Ton</u>			
	Raisins		Winery Fruit	
	Sample Costs	My Costs	Sample Costs	My Costs
<b>Harvesting and Total Costs</b>				
Total cost except harvesting	830.75		184.61	
Pick and haul for winery - contract			40.00	
Terracing and pulling back				
3/4 hr labor + 3/4 hr tractor	9.14			
Pick for raisins - 450 trays/ton @ \$.17	76.50			
Turn & roll - contract, \$28/1000 trays each operation	25.20			
Box and shake - 4 3/4 hrs labor + 1/2 hr tractor	30.32			
Haul to processor (includes picking up bins)	12.00			
Paper trays - 460 trays @ \$38/1000	17.48			
Forklift cost (rent)	9.00			
Raisin rain insurance \$435/ton coverage	30.00			
Bin rental (2 bins per ton)	15.00			
<b>TOTAL HARVEST COST</b>	<u>224.64</u>			

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 TOTAL COST OF PRODUCTION/TON                      1055.39                      224.61

\* Inspection and raisin advisory board are not included.

Total Cost of Production Per Ton At Varying Yields

<u>Raisins</u>				
1.5 tons = \$1,332	1.8 tons = \$1,148	2.3 tons = \$947	2.5 tons = \$889	3.0 tons = \$778
<u>Wine</u>				
6.7 tons = \$288	8.0 tons = \$248	10.4 tons = \$200	11.1 tons = \$190	13.3 tons = \$165

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, Cardinal or Ribier and Flame Seedless table grapes. 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. Pesticides/herbicides/fungicides listed are used to depict typical costs. Other materials may be equally effective and no specific recommendations are made for the products listed.

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