

THOMPSON SEEDLESS GRAPES FOR RAISINS OR WINE

Sample Costs for a Mature Vineyard

Cost Analysis Worksheet - 1984

Based on a 120-acre unit, vines spaced at 7' x 12'. Labor costs at \$5.25 and \$6.25 per hour total. Tractor per hour cash costs at \$8.90, depreciation \$2.86, and interest \$1.60. Wages include Social Security, Workmen's Compensation, insurance and all other fringe benefits. Yield of 2 tons raisins or 9 tons for winery.

	Sample Costs		My Costs	
	Per Acre	Per Ton	Per Acre	Per Ton
<b>Pre-Harvest Cash Costs:</b>				
Pruning: contract @ 21¢/vine, 519/acre		\$ 109.		
Brush disposal: alternate middles, contract		7.		
Tying vines: 3.5¢/vine contract		18.		
Fertilizer: 50 lbs. N @ 30¢/lb. + \$5/acre application		20.		
Pest management and disease control, including mildew		140.		
Herbicides: materials & application		32.		
Irrigation preparation and cultivation: 4 hrs. labor + 4 hrs. tractor		61.		
Irrigate: 5 hrs. labor @ \$6.25		31.		
Water-power and/or district tax: 3½ ac. ft. @ \$12		42.		
Misc. labor: 3 hrs. labor + 1 hr. tractor		26.		
Misc. materials		28.		
County taxes		65.		
Repairs, except tractor		32.		
Interest on operating capital 12% (wine = \$58)		69.		
Business and office costs (wine = \$31)		37.		
<b>TOTAL PRE-HARVEST CASH COSTS-RAISINS (WINE = \$700)</b>		<b>\$ 717.</b>	<b>\$359.</b>	
<b>Depreciation:</b>				
Vines, stakes, trellis: \$5491, 30 yr. life		\$ 183.		
Irrigation system: \$680, 20 yr. life		34.		
Buildings and equipment, except tractor: \$550, 12 yr. life		46.		
Tractor: 7 3/4 hrs. @ \$2.86 (wine = 6½ hrs. = \$19)		22.		
<b>TOTAL DEPRECIATION-RAISINS (WINE = \$282)</b>		<b>\$ 285.</b>	<b>\$142.</b>	
<b>Interest on Investment at 11%:</b>				
Vines, stakes, trellis: ½ cost \$2746		\$ 302.		
Irrigation system: ½ cost \$340		37.		
Buildings and equipment, except tractor: ½ cost \$275		30.		
Tractor: 7 3/4 hrs. @ \$1.60 (wine = 6½ hrs. = \$10)		12.		
Land: \$5000/acre		550.		
<b>TOTAL INTEREST ON INVESTMENT-RAISINS (WINE = \$929)</b>		<b>\$ 931.</b>	<b>\$466.</b>	
<b>TOTAL COST EXCEPT HARVESTING-RAISINS (WINE = \$1911)</b>		<b>\$1933.</b>	<b>\$967.</b>	

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Costs Per Ton

	RAISINS		WINERY FRUIT	
	Sample Costs	My Costs	Sample Costs	My Costs
<b>Harvesting and Total Costs:</b>				
Total cost except harvesting	\$ 967.		\$ 212.	
Pick & haul for winery-contract			40.	
Terracing & pulling back, 3/4 hr. labor + 3/4 hr. tractor	11.			
Pick for raisins - 450 trays/ton @ 22¢	99.			
Turn & roll - contract, \$35/1,000 trays each operation	32.			
Box and shake - 4 3/4 hrs. labor + 1/2 hr. tractor	30.			
Haul to processor	12.			
Paper trays - 460 trays @ \$42/1,000	19.			
Forklift cost (rent)	9.			
Raisin rain insurance \$600/ton coverage	35.			
Misc. harvest includes sweat or bin rental	23.			
<b>TOTAL HARVEST COST</b>	<b>\$ 270.</b>		<b>\$ 40.</b>	
<b>TOTAL COST OF PRODUCTION/TON*</b>	<b>\$1237.</b>		<b>\$ 252.</b>	

\*Inspection and Raisin Advisory Board are not included.

Total Cost of Production Per Ton at Varying Yields

RAISINS:	1.5 tons = \$1559.	1.8 tons = \$1344.	2.3 tons = \$1110.
	2.5 tons = \$1043.	3.0 tons = \$914.	
WINE:	6.7 tons = \$325.	8.0 tons = \$278.	10.4 tons = \$224.
	11.1 tons = \$212.	13.3 tons = \$184.	

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 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.