



*Sample Costs to  
Establish a Vineyard  
of THOMPSON  
SEEDLESS  
FOR RAISINS  
OR WINE  
in the  
San Joaquin Valley*

**1976**

Division of Agricultural Sciences  
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THOMPSON SEEDLESS FOR RAISINS OR WINE - Cost of Establishing a Vineyard  
Cost Analysis Worksheet, 1976

Based on a 120-acre unit. Labor costs at \$3.30 and \$4.00 per hour total. Tractor per hour cash costs at \$2.60, depreciation at \$1.65, and interest at \$ .82. Wages include Social Security, Workmen's Compensation, insurance, and all other fringe benefits.

YIELD (Tons/Acre)	Costs Per Acre		
	1st year	2nd year	3rd year
	-	-	5
<b>Pre-Harvest Cash Costs:</b>			
Fumigate: materials and application	\$ 215.00		
Preplant weed control: materials and application	15.00		
Land preparation: chisel, disc, float, etc.	55.00		
Rootings: 480 (+20, 2nd yr.) @ 22¢	105.60	\$ 4.40	
Trim & misc. planting labor: 8 hrs.	26.40		
Machine planting: \$30/acre (+20 rootings @ 6 1/2¢ and 1 1/2 hrs. labor, 2nd yr.)	30.00	6.25	
Stakes (treated): 480, 6-foot @ 58¢		278.40	
End posts (treated): 11, 7-foot @ \$3.25		35.75	
Stake & set end posts: 10¢ stakes & \$1.00 end posts		59.00	
Wire: 82 lbs., #13 high tensile @ 27 1/2¢/lb.		22.55	
*String one wire and staple		19.00	
Training & suckering: 22 hrs. labor, 2nd yr.; 6 hrs. labor, 3rd yr.		72.60	\$ 19.80
Tying materials		8.00	4.00
Prune & tie: 5 hrs. labor, 2nd yr.; 18 hrs. labor, 3rd yr.		16.50	59.40
Rabbit control	10.00	5.00	
Irrigation: 5 hrs. labor each year @ \$4.00	20.00	20.00	20.00
Water-power and/or district tax	17.00	19.00	23.00
Irrigation preparation & weed control: 6 hrs. labor + 4 tractor hrs. 1st yr.; then 8 hrs. labor and 4 tractor hrs.	33.00	39.60	39.60
Fertilizer: 30¢ applied (25 lbs. N, 2nd yr.; 40 lbs. N, 3rd yr.)		7.50	12.00
Mildew control: 2 hrs. labor + 1 tractor hr. + materials @ \$3.50			13.40
Pest management and materials			25.00
Misc. labor and materials, including 1 tractor hr.	20.00	17.00	20.00
County taxes	40.00	40.00	50.00
Repairs, except tractor	17.00	19.00	19.00
Business & office costs, operating capital, insurance, etc.	36.24	41.37	24.91
<b>TOTAL PRE-HARVEST CASH COSTS</b>	<b>\$ 640.24</b>	<b>\$ 730.92</b>	<b>\$ 330.11</b>
<b>Harvest Costs:</b>			
Contract \$22/ton - pick and haul			\$ 110.00
<b>TOTAL HARVEST COSTS</b>			<b>\$ 110.00</b>
<b>TOTAL CASH COSTS</b>	<b>\$ 640.24</b>	<b>\$ 730.92</b>	<b>\$ 440.11</b>
<b>Depreciation:</b>			
Irrigation system: \$280, 20 yr. life	\$ 14.00	\$ 14.00	\$ 14.00
Buildings & equipment, except tractor: \$140, 12 yr. life	11.67	11.67	11.67
Tractor: \$1.65/hr.	8.25	8.25	9.90
<b>TOTAL DEPRECIATION</b>	<b>\$ 33.92</b>	<b>\$ 33.92</b>	<b>\$ 35.57</b>

\*Cost of adding one more wire with 24-inch crossarms is about \$180 (2nd year).

	1st year	2nd year	3rd year
<b>Interest on Investment @ 8%:</b>			
Irrigation system: 1/2 cost, \$140	\$ 11.20	\$ 11.20	\$ 11.20
Buildings and equipment, except tractor: 1/2 cost, \$70	5.60	5.60	5.60
Tractor: \$ .82/hr.	4.10	4.10	4.92
Land: \$1500/acre	120.00	120.00	120.00
Interest on accumulated costs		65.20	142.88
<b>TOTAL INTEREST ON INVESTMENT</b>	<b>\$ 140.90</b>	<b>\$ 206.10</b>	<b>\$ 284.60</b>
<b>TOTAL COST FOR THE YEAR</b>	<b>\$ 815.06</b>	<b>\$ 970.94</b>	<b>\$ 760.28</b>
<b>CREDIT FOR FRUIT @ \$70/TON</b>			<b>\$ 350.00</b>
<b>NET COST FOR THE YEAR</b>	<b>\$ 815.06</b>	<b>\$ 970.94</b>	<b>\$ 410.28</b>
<b>TOTAL ACCUMULATED COST</b>	<b>\$ 815.06</b>	<b>\$1786.00</b>	<b>\$2196.28</b>

#### ABOUT THIS SHEET

This sheet is one of a series on sample costs of establishing vineyards in the San Joaquin Valley. This series includes: Thompson Seedless for Raisins or Wine, Thompson Seedless for Table Use, Emperors, and Wine Varieties. These input and cost data are to be used only as guides in determining the costs of establishing a specific vineyard. They are not intended to represent industry averages.

**LAND PREPARATION** - The cost of leveling land for irrigation is included in the land value. Additional costs may include chiseling or deep ripping.

**ROOTINGS** - Cost is based on planting rooted cuttings. When cuttings are planted directly in the vineyard, the overall cost of cutting, planting, and replanting is sometimes less.

**IRRIGATION** - Irrigation labor and water sample costs are based on a pumping system with pipeline. 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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