

*Grapes*

# 1968

## VINEYARD ESTABLISHMENT COSTS IN THE SAN JOAQUIN VALLEY

### THOMPSON SEEDLESS FOR TABLE USE

Cost Analysis Worksheet  
Showing Sample Costs

University of California

Agricultural Extension Service

AXT-61 Rev.

*Cost of Production*

UC Cooperative Extension

	COST PER ACRE				PREHARVEST CASH AND LABOR COST — continued	COST PER ACRE			
	1st Year	2nd Year	3rd Year	4th Year		1st Year	2nd Year	3rd Year	4th Year
Yield — tons (fresh)			5.0	7.0					
<b>PREHARVEST CASH AND LABOR COST</b>									
Land preparation — chisel, disc twice, float, etc. (contract)	\$ 20.00	\$	\$	\$	Office, car, interest on operating capital, etc.	\$ 8.70	\$ 16.55	\$ 16.60	\$ 21.80
Survey and mark — 5 M-hr	8.50				Repairs, except tractor	6.50	6.50	6.50	6.50
Plantings including trimming @ 4¢	17.16	2.40			<b>Total Preharvest Cash and Labor Cost</b>	<b>\$182.01</b>	<b>\$347.54</b>	<b>\$291.20</b>	<b>\$324.55</b>
Rootings — 429 (+20, 2nd year) @ 10½¢	45.05	2.10			<b>HARVESTING COST</b>				
Set and distribute stakes and end posts @ 5¢ and 27¢		24.42			Pick and haul @ \$11.50/T 3rd year; \$19/T 4th year			57.50	133.00
Stakes (treated) — 429, 7 ft @ 33½¢		143.72			<b>Total Cash and Labor Cost</b>	<b>\$182.01</b>	<b>\$347.54</b>	<b>\$348.70</b>	<b>\$457.55</b>
End posts (treated) — 11 @ \$1.50		16.50			<b>DEPRECIATION COST</b>				
String 1 wire and staple — 2nd year, 1; 3rd year, 3		4.00	10.00		Irrigation facilities — \$250 cost	12.50	12.50	12.50	12.50
Wire — (2nd year, 100 lb; 3rd year, 300 lb) @ 10¢*		10.00	30.00		Buildings and equipment, except tractor — \$100 cost	7.50	7.50	7.50	7.50
Attaching crossarms and braces — 32 M-hr*			54.40		Tractor — @ \$1.00/hr (1st and 2nd year, 3.5; 3rd and 4th year, 5.5)	3.50	3.50	5.50	5.50
Crossarms — 3 ft @ 8¢, braces @ 2¢ + staples, nails, and wire*			46.00		<b>Total Depreciation Cost</b>	<b>\$ 23.50</b>	<b>\$ 23.50</b>	<b>\$ 25.50</b>	<b>\$ 25.50</b>
Training and suckering — 22 M-hr 2nd year; 3rd year, 6; 4th year, 2		37.40	10.20	3.40	<b>Total Cash and Depreciation Cost</b>	<b>\$205.51</b>	<b>\$371.04</b>	<b>\$374.20</b>	<b>\$483.05</b>
Prune and tie — 3.0 M-hr 2nd year; 3rd year, 10; 4th year, 28		5.10	17.00	47.60	<b>INTEREST ON INVESTMENT @ 6%</b>				
Rabbit control	7.50	2.50			Irrigation facilities — on ½ cost (\$125)	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.50
Girdling — 12 M-hr + 40 M-hr thinning				88.40	Buildings and equipment, except tractor — on ½ cost (\$50)	3.00	3.00	3.00	3.00
Gibberellin spray — @ \$21 + \$13.75/acre applied				34.75	Tractor — @ 36¢/hr (1st and 2nd year, 3.5; 3rd and 4th year, 5.5)	1.26	1.26	1.98	1.98
Irrigation labor — 7 M-hr @ \$1.90	13.30	13.30	13.30	13.30	Land without improvements — @ \$900	54.00	54.00	54.00	54.00
Water — 2½ to 3½ ac-ft, power and/or irrigation district tax	17.60	19.25	20.90	22.50	Interest on accumulated cost		16.28	43.46	62.01
Tillage, irrigation preparation, and hoe — 6 M-hr + 3 Tr-hr 1st year and then 4 M-hr and 3 Tr-hr	14.70	11.30	11.30	11.30	<b>Total Interest on Investment</b>	<b>\$ 65.76</b>	<b>\$ 82.04</b>	<b>\$109.94</b>	<b>\$128.49</b>
Fertilizer — (25 lb N 2nd year; 40 lb N 3rd and 4th year) @ 14¢ applied		3.50	5.60	5.60	<b>TOTAL COST FOR YEAR</b>	<b>\$271.27</b>	<b>\$453.08</b>	<b>\$484.14</b>	<b>\$611.54</b>
Pest and disease control — 2 M-hr + 2 Tr-hr			6.40	6.40	<b>CREDIT FOR FRUIT @ \$35/ton 3rd year; \$65 and \$22.50/ton 4th year**</b>			\$175.00	\$370.00
Pest and disease control material			10.00	21.00	<b>NET COST FOR YEAR</b>	<b>\$271.27</b>	<b>\$453.08</b>	<b>\$309.14</b>	<b>\$241.54</b>
Misc. labor and material, including twine and ½ Tr-hr	5.00	10.00	12.00	15.00	<b>TOTAL ACCUMULATED COST</b>	<b>\$271.27</b>	<b>\$724.35</b>	<b>\$1,033.49</b>	<b>\$1,275.03</b>
County taxes	18.00	19.00	21.00	27.00					

Based on man labor @ \$1.70 and \$1.90 per hour (includes Workmen's Compensation, Social Security, and other benefits); medium-wheel tractor per hour cash cost \$1.30; depreciation, \$1.00; interest, \$0.36.

\* Cost for ac 1 more wire and 18-inch crossarm would approximate \$90 for a 2-story trellis.

\*\* 5.0 tons shipping fruit + 2.0 tons culls (\$22.50/ton).

## ABOUT THIS SHEET

This sheet is one of a series on sample costs of establishing vineyards in the San Joaquin Valley. They include: 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 was included in the land value. Subsoiling, fumigation, or releveling costs would be additional.

**ROOTINGS** – Cost is based on planting rooted cuttings. When cuttings are planted directly in the vineyard, the overall cost of rootings, planting, and replanting is sometimes less. If resistant rootstocks are used, the overall cost would probably be \$150 to \$200 more per acre.

**IRRIGATION** – Irrigation labor and water sample 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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Co-operative Extension work in Agriculture and Home Economics, College of Agriculture, University of California, and United States Department of Agriculture co-operating.  
Distributed in furtherance of the Acts of Congress of May 8, and June 30, 1914.  
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Rev. JULY 1968--3M

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