

1968

VINEYARD ESTABLISHMENT COSTS IN THE SAN JOAQUIN VALLEY

THOMPSON SEEDLESS FOR RAISINS OR WINE

Cost Analysis Worksheet
Showing Sample Costs

University of California

Agricultural Extension Service

AXT-60 Rev.

UC Cooperative Extension

COST ANALYSIS WORKSHEET

Thompson Seedless for Raisins or Wine — Cost of Establishing a Vineyard, 1968
Based on an 80-acre unit

	COST PER ACRE			
	1st Year	2nd Year	3rd Year	4th Year
Yield — tons (fresh)			5.0	8.0
PREHARVEST CASH AND LABOR COST				
Land preparation — chisel, disc twice, float, etc. (contract)	\$ 20.00	\$	\$	\$
Survey and mark — 5 M-hr @ \$1.70	8.50			
Hand planting including trimming — @ 4¢	19.20	2.40		
Rootings — 480 (+20, 2nd year) @ 10½¢	50.40	2.10		
Set and distribute stakes and end posts — @ 5¢ and 27¢		26.97		
Stakes (treated) — 480, 6 ft @ 28½¢		136.80		
End posts (treated) — 11 @ \$1.50		16.50		
String 1 wire and staple *		4.00		
Wire — 100 lb No. 12 @ 10¢		10.00		
Training and suckering (22 M-hr 2nd year; 3rd year, 6)		37.40	10.20	
Twine		2.50	1.25	
Prune and tie (3 M-hr 2nd year; 3rd year, 10; 4th year, 18)		5.10	17.00	30.60
Rabbit control	7.50	2.50		
Irrigation labor — 5 M-hr 1st 2 years; 4 hr 3rd and 4th years @ \$1.90	9.50	9.50	7.60	7.60
Water — 2½ to 3½ ac-ft, power and/or irrigation district tax	9.00	10.50	12.00	12.00
Tillage, irrigation preparation, and hoe — 6 M-hr + 3 Tr-hr 1st year and then 4 M-hr + 3 Tr-hr	14.70	11.30	11.30	11.30
Fertilizer — (25 lb N 2nd year + 40 lb N 3rd and 4th years) @ 14¢ applied		3.50	5.60	5.60
Pest and disease control — 1 M-hr + 1 Tr-hr and contract spray			8.20	8.20
Pest and disease control material			10.00	10.00
Misc. labor and material including ½ Tr-hr	5.00	10.00	12.00	15.00
County taxes	18.00	19.00	19.00	25.00
Office, car, interest on operating capital, etc.	8.50	15.80	8.80	11.00
Repairs, except tractor	6.50	6.50	6.50	6.50
Total Preharvest Cash and Labor Cost	\$176.80	\$332.37	\$129.45	\$142.80

	COST PER ACRE			
	1st Year	2nd Year	3rd Year	4th Year
COST — continued				
HARVESTING COST				
Pick and haul (winery basis) — @ \$11.00/T			\$ 55.00	\$ 88.00
Total Cash and Labor Cost	\$176.80	\$332.37	\$184.45	\$230.80
DEPRECIATION COST				
Irrigation facilities — \$220 cost	11.00	11.00	11.00	11.00
Buildings and equipment, except tractor — \$100 cost	7.50	7.50	7.50	7.50
Tractor — @ \$1.00/hr (1st and 2nd year, 3.5; 3rd and 4th year, 4.5)	3.50	3.50	4.50	4.50
Total Depreciation Cost	\$ 22.00	\$ 22.00	\$ 23.00	\$ 23.00
Total Cash and Depreciation Cost	\$198.80	\$354.37	\$207.45	\$253.80
INTEREST ON INVESTMENT @ 6%				
Irrigation facilities — on ½ cost (\$110)	\$ 6.60	\$ 6.60	\$ 6.60	\$ 6.60
Buildings and equipment, except tractor — on ½ cost (\$50)	3.00	3.00	3.00	3.00
Tractor — @ 36¢/hr (1st and 2nd year, 3.5; 3rd and 4th year, 4.5)	1.26	1.26	1.62	1.62
Land without improvements — \$900	54.00	54.00	54.00	54.00
Interest on accumulated cost		15.82	41.92	50.30
Total Interest on Investment	\$ 64.86	\$ 80.68	\$107.14	\$115.52
TOTAL COST FOR YEAR	\$263.66	\$435.05	\$314.59	\$369.32
CREDIT FOR FRUIT @ \$35/ton			\$175.00	\$280.00
NET COST FOR YEAR	\$263.66	\$435.05	\$139.59	\$ 89.32
TOTAL ACCUMULATED COST	\$263.66	\$698.71	\$838.30	\$927.62
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 adding 1 more wire with 24-inch crossarm would approximate \$90 (3rd year).

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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