

**VINEYARD ESTABLISHMENT COSTS
IN THE SAN JOAQUIN VALLEY**

**THOMPSON SEEDLESS
FOR RAISINS OR WINE**

1966

Cost Analysis Worksheet
Showing Sample Costs

University of California

Agricultural Extension Service

AXT-60

L. Graves

Thompson Seedless for Raisins or Wine – Cost of Establishing a Vineyard, 1966

COST ANALYSIS WORKSHEET

	COST PER ACRE			
	1st Year	2d Year	3d Year	4th Year
Yield – tons (fresh)			5.0	8.0
PREHARVEST CASH & LABOR COST				
Land prep. – chisel, disc twice, float, etc. (contract)	\$ 20.00	\$	\$	\$
Survey & mark – 5 M-hr	7.50			
Planting, including trimming – @ 3.5¢	14.46	1.20		
Rootings – 413 (+10 2d yr) @ 7.5¢	30.98	.75		
Set & distribute stakes & end posts – @ 5¢ & 27¢		23.62		
Stakes (treated) – 413, 6 ft @ 27¢		111.51		
End posts (treated) – 11 @ \$1.25		13.75		
String one wire & staple*		4.00		
Wire – 100 lb No. 12 @ \$8.85*		8.85		
Training & suckering (M-hr 2d yr, 20; 3d, 5)		30.00	7.50	
Twine		2.00	1.00	
Prune & tie (M-hr 2d yr, 2.5; 3d, 10; 4th, 20)		3.75	15.00	30.00
Rabbit control	7.50	2.50		
Irrigation labor – 8M-hr 1st 2 yrs; 5 hr 3d, 4th yr	12.00	12.00	7.50	7.50
Water – 2½ to 3½ ac-ft, power &/or irrig. dist. tax	9.00	10.50	12.00	12.00
Tillage, irrig. prep. & hoe – 6 M-hr + 3 TR-hr 1st yr and then 4 M-hr + 3 TR-hr	13.35	10.35	10.35	10.35
Fertilizer application (contract)		1.00	1.00	1.00
Fertilizer – 25 lb N 2d yr + 40 lb N 3d & 4th yr @ 11¢		2.75	4.40	4.40
Pest & disease control – 1 M-hr + 1 TR-hr + contract spray			8.00	8.00
Pest & disease control material			8.00	9.00
Misc. labor & material including ½ TR-hr	5.00	10.00	12.00	15.00
County taxes	14.40	14.40	16.60	19.10
Office, car, interest on operating capital, etc. (5% cash & labor cost)	7.03	13.47	8.12	10.34
Repairs, except tractor	6.50	6.50	6.50	6.50
Total Preharvest Cash & Labor Cost	\$ 147.72	\$282.90	\$117.97	\$133.19
HARVESTING COST				
Pick & haul (winery basis) – @ \$10.50/ton			52.50	84.00
Total Cash & Labor Cost	\$147.72	\$282.90	\$170.47	\$217.19
DEPRECIATION COST				
Irrigation facilities – \$220 cost	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Buildings & equipment, except tractor – \$100 cost	7.50	7.50	7.50	7.50
Tractor @ 70¢/hr 1st & 2d yr, 3.5; 3d & 4th, 4.5	2.45	2.45	3.15	3.15
Total Depreciation Cost	\$ 20.95	\$ 20.95	\$ 21.65	\$ 21.65
Total Cash & Depreciation Cost	\$168.67	\$303.85	\$192.12	\$238.84
INTEREST ON INVESTMENT @ 6%				
Irrigation facilities – on ½ cost (\$110)	\$ 6.60	\$ 6.60	\$ 6.60	\$ 6.60
Buildings & equipment, except tractor – on ½ cost (\$50)	3.00	3.00	3.00	3.00
Tractor @ 27¢/hr 1st & 2d yr, 3.5; 3d & 4th, 4.5	.95	.95	1.22	1.22
Land without improvements @ \$900	54.00	54.00	54.00	54.00
Interest on accumulated cost		13.99	36.94	44.07
Total Interest on Investment	\$ 64.55	\$ 78.54	\$101.76	\$108.89
TOTAL COST FOR YEAR	\$233.22	\$382.39	\$293.88	\$347.73
CREDIT FOR FRUIT @ \$35 per ton			\$175.00	\$280.00
NET COST FOR YEAR	\$233.22	\$382.39	\$118.88	\$ 67.73
TOTAL ACCUMULATED COST	\$233.22	\$615.61	\$734.49	\$802.22

Based on man labor @ \$1.50 and \$1.70 per hour (includes Workmen's Compensation, Social Security, and other benefits); medium wheel tractor per hour cash cost \$1.25; depreciation 70 cents; interest 27 cents.

*Cost for adding one more wire with 24-inch crossarm would approximate \$80 (3d 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 Standard 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 \$100 to \$150 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.

Prepared by Farm Advisors Curtis Lynn, Fresno County; Paul Baranek, Madera County; Don Luvisi, Kern County; Fred Jensen, Tulare County; Verner Carlson, Merced County; and Extension Specialists A. N. Kasimatis, Viticulturist, and Burt B. Burlingame, Economist.

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George B. Alcorn, Director, California Agricultural Extension Service.

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