

GR-VS-64

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

EMPEROR GRAPES

1964

Cost Analysis Worksheet
Showing Sample Costs

COST ANALYSIS WORKSHEET

	COSTS PER ACRE			
	1st Year	2d Year	3d Year	4th Year
Yield - tons (fresh)			3.0	6.0
PREHARVEST CASH AND LABOR COST				
Land prep. - chisel, disc twice, float, etc.	\$ 20.00	\$	\$	\$
Survey & mark - 5 M-hrs.	6.50			
Planting - @ 3.5¢, including trimming	14.46	1.20		
Rootings - 413 (+ 10, 2d yr.) @ 7.5¢	30.98	.75		
Distribute & set stakes & end posts - @ 5¢ & 27¢		23.62		
Stakes - 413, 7 ft. @ 33¢ (treated)		136.29		
End posts - 11 @ \$1.25 (treated)		13.75		
String one wire & staple - (2d yr., 1; 3d yr., 2 more)		3.42	6.84	
Wire - (2d yr., 100 lbs.; 3d yr., 200 lbs.) @ \$8.50		8.50	17.00	
Attaching crossarms & braces - 32 M-hrs.			41.60	
Crossarms - 3 ft. @ 6¢, braces @ 1.8¢ + staples & wire			35.00	
Training & suckering - (M-hrs. 2d yr., 34; 3d, 10; 4th, 4)		44.20	13.00	5.20
Prune & tie - (M-hrs. 2d yr., 2.5; 3d, 7; 4th, 14)		3.25	9.10	18.20
Rabbit control	7.50	2.50		
Irrigation labor - 10 M-hrs.	13.00	13.00	13.00	13.00
Water - 2½ to 4 a.-ft., power &/or irrig. dist. tax	17.60	19.25	20.90	22.50
Tillage, irrig. prep. & hoe - 6 M-hrs. + 3 TR-hrs.	12.00	12.00	12.00	12.00
Fertilizer application (contract)		2.00	2.00	2.00
Fertilizer - 25 lbs. N + 40 lbs. N (3d & 4th yrs.) @ 9.5¢		2.38	3.80	3.80
Pest & disease control - 6 X, 2 M-hrs. + 2 TR-hrs.			5.40	5.40
Opening up vines - 10 M-hrs.				13.00
Pest & disease control material			13.50	13.50
Misc. labor & material, including twine & ½ TR-hr.	4.35	8.60	8.60	8.60
County taxes	9.50	9.50	9.50	14.65
Office, car, interest on operating capital, etc. (5% cash & labor costs)	7.09	15.51	13.11	10.79
Repairs, irrig. system & equipment, except tractor	6.00	6.00	6.00	6.00
Total Preharvest Cash and Labor Cost	\$148.98	\$325.72	\$230.35	\$148.64
HARVESTING COST				
Pick & haul to packing house @ \$15 & \$13/ton			\$ 45.00	\$ 78.00
Total Cash and Labor Cost	\$148.98	\$325.72	\$275.35	\$226.64
DEPRECIATION COST				
Irrigation facilities (\$250 cost)	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
Buildings & equipment, except tractor (\$100 cost)	7.50	7.50	7.50	7.50
Tractor @ 55¢/hr. (1st & 2d yrs., 3.5; 3d & 4th, 5.5)	1.93	1.93	3.03	3.03
Total Depreciation Cost	\$ 21.93	\$ 21.93	\$ 23.03	\$ 23.03
Total Cash and Depreciation Cost	\$170.91	\$347.65	\$298.38	\$249.67
INTEREST ON INVESTMENT @ 6%				
Irrigation facilities - on ½ cost (\$125)	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.50
Buildings & equipment, except tractor - on ½ cost (\$50)	3.00	3.00	3.00	3.00
Tractor @ 25¢/hr. (1st & 2d yrs., 3.5; 3d & 4th, 5.5)	.88	.88	1.38	1.38
Land without improvements @ \$800	48.00	48.00	48.00	48.00
Interest on accumulated costs		13.82	39.07	53.79
Total Interest on Investment	\$ 59.38	\$ 73.20	\$ 98.95	\$113.67
TOTAL COST FOR YEAR	\$230.29	\$420.85	\$397.33	\$363.34
CREDIT FOR FRUIT @ \$22 & \$65/ton			\$152.00	\$325.50
NET COST FOR YEAR	\$230.29	\$420.85	\$245.33	\$ 37.84
TOTAL ACCUMULATED COST	\$230.29	\$651.14	\$896.47	\$934.31

Based on 2 tons shipping fruit 3d year and 4½ tons 4th year, and 1 ton culls 3d year and 1½ tons 4th year to winery.

Based on man labor @ \$1.30 and \$1.50 per hour (includes workmen's compensation, social security, and other benefits); medium wheel tractor per hour cash cost \$1.20; depreciation 55 cents; interest 25 cents.

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.

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

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