

CORDON TRAINED, SPUR-PRUNED TABLE GRAPES
Emperor, Flame Seedless, Ruby Seedless, Ribier, Etc.
Sample Costs to Establish a Vineyard - 1986
Cost Analysis Worksheet

Costs are based on a 120 acre unit, vines spaced at 8' x 12'. Wages include Social Security, Workman's Compensation and insurance. Yield of 300, 23-pound lugs (87/ton), 3.4 tons packed, and 1.6 tons culls. Tractor and Supervisory labor \$5.70 per hour. Field labor \$4.85 per hour. Tractor \$6.48 per hour.

	Cost Per Acre		
	1st Year	2nd Year	3rd Year
YIELD: tons fruit/acre	-	-	5
PRE-HARVEST COSTS:			
Fumigate	460		
Land Preparation: contract			
4 hrs chisel and labor and			
4 hrs disc and float and labor	150		
Rootings: 454 at \$0.37 (+20, 2nd yr)	168	7	
Trim and store @ \$0.08 per rooting	36	2	
Machine planting: \$0.11/vine			
(+1 1/2 hrs labor 2nd year)	50	7	
Stakes (treated): 454 7-ft @ \$1		454	
End posts (treated): 11 8-ft @ \$4.50		50	
Stake and set end posts: \$0.18 stakes + \$4.50 end posts		131	
Wire: #13 high tensile, 2nd yr 82 lbs; 3rd yr 164 lbs at \$.34/lb.		28	56
String wire and staple: one, 2nd yr; two, 3rd yr		25	50
Attach crossarms and braces: 32 hrs labor			155
Crossarms: 3 ft. at \$.31, braces at \$.04 + staples, nails, tire wires at \$.04			177
Training and suckering: 40 hrs labor, 2nd yr; 10 hrs labor, 3rd yr		194	49
Prune and Tie: 5 hrs labor, 2nd yr; 12 hrs labor, 3rd yr		24	58
Rabbit control	15	8	
Irrigation: 5 hrs labor each year	29	29	29
Water power and/or district tax: 1, 2, 3 1/2 ac. ft., yrs 1, 2, 3 @ \$32.70	33	65	114
Cultivation & irrigation preparation			
6 hrs labor + 4 hrs tractor, 1st yr;			
8 hrs labor + 4 hrs tractor after	60	72	72
Fertilizer: \$.30/lb (25 lbs N, 2nd yr and 40 lbs N, 3rd yr + \$5/acre for application		13	17
Pest management and disease control includes mildew	17	27	206
Herbicides: materials and application	35	32	32
Vine hand work: 18 hrs		87	
Misc. Labor, materials, 1 hr tractor	34	29	34
TOTAL PRE-HARVEST COSTS	1087	1284	1049

Harvest Costs			
Price of fruit to grower is net value after harvest			
OVERHEAD COSTS:			
County taxes	39	39	39
Office and Business Costs	30	30	30
TOTAL OVERHEAD COSTS	69	69	69
TOTAL CASH COSTS	1156	1353	1118
ACCUMULATED CASH COSTS	1156	2509	3627
DEPRECIATION:			
Building, equipment and irrigation \$875.40/acre, 13.4 yrs	65	65	65
INTEREST ON INVESTMENT @ 12.5%:			
Building, equipment and irrigation, 875.40/acre	55	55	55
Land \$3000	375	375	375
Interest in accum. cash cost	145	314	453
TOTAL INTEREST ON INVESTMENT	575	744	883
TOTAL COST FOR THE YEAR	1796	2162	2066
CREDIT FOR PRODUCTION *			
at \$125/ton for 5 tons	-	-	-625
NET COST FOR THE YEAR	1796	2162	1441
ACCUMULATED NET COST	1796	3958	5399

* Fruit credit will vary widely by variety and year.

About This Sheet

This sheet is one of a series on sample costs to establish grapes in the San Joaquin Valley. This series includes: Thompson Seedless for Raisins and Wine, Thompson Seedless for Table Use, Wine Varieties, Emperor, Ribier or Cardinal and Flame Seedless table grapes. The input and cost data are to be used only as guides in determining the production costs for a specific vineyard and to help growers analyze costs and practices that would increase production efficiency. The figures shown are based on what are considered good management practices in many vineyards. They do not represent industry averages.

YIELD - Yield is the most important factor affecting costs per ton and profit per acre. The yield per acre used in this sample is average over a period of years for a typical, well-managed vineyard. Although this figure is higher than the industry average, some vineyards do better.

IRRIGATION - Sample costs for irrigation, labor and water 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. Pesticides/herbicides/fungicides listed are used to depict typical costs. Other materials may be equally effective and no specific recommendations are made for the products listed.

Prepared by: Harry Andris, Farm Advisor, Fresno County; Robert Beede, Farm Advisor, Kings County; Peter Christensen, Extension Viticulturist, Parlier; Fred Jensen, Extension Viticulturist, Parlier; Donna Hirschfelt, Farm Advisor, Fresno County; Karen Klonsky, Area Farm Management Specialist, Davis; George Leavitt, Farm Advisor, Madera County; Don Luvisi, Farm Advisor, Kern County; Maxwell Norton, Farm Advisor, Merced County; William Peacock, Farm Advisor, Tulare County.