

WINE VARIETIES  
 Sample Costs to Establish a Vineyard - 1986  
 Cost Analysis Work Sheet

Costs are based on a 120 acre unit, vines spaced at 8' x 11'. Wages include Social Security, Workman's Compensation and insurance. Yield of 5 tons. Tractor and Supervisory labor \$5.70 per hour. Field labor \$4.85 per hour. Tractor \$6.48 per hour.

YIELD: tons/acre	Cost Per Acre		
	1st Year	2nd Year	3rd Year
	-	-	5
<b>PRE-HARVEST COSTS:</b>			
Fumigate	460		
Land Preparation: Contract			
4 hrs chisel and labor			
4 hrs disc and float and labor	150		
Rootings: 495 at \$0.37 (+25, 2nd yr)	183	9	
Trim and store @ \$0.08 per rooting	40	2	
Machine planting: \$0.11/vine (+2 hrs labor 2nd year)	54	10	
Metal stakes: 495 7-ft, 16 gauge @ \$1.30		645	
End posts (treated): 12 8-ft @ \$4.50		54	
Stake and set end posts: \$0.18 stakes + \$4.50 end posts		139	
Wire: 180 lbs. #13 high tensile, \$.34/lb		61	
String two wires and attach metal stake		60	
Training and suckering: 40 hrs labor, 2nd yr; 10 hrs labor, 3rd yr		194	49
Tying materials		12	6
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	24	24	24
Water power and/or district tax: 1, 2, 3 1/2 ac. ft. @ \$16	16	32	56
Cultivation & irrigation preparation 6 hrs labor + 4 hrs tractor, 1st yr; 8 hrs labor + 4 hrs tractor after	60	72	72
Fertilizer: \$.30/lb (30 lbs N, 2nd yr and 50 lbs N, 3rd yr + \$5/acre for application		14	20
Pest management and disease control includes mildew	17	27	142
Herbicides: materials and application	35	32	32
Misc. Labor, materials, 1 hr tractor	34	29	34
<b>TOTAL CULTURAL COSTS</b>	<b>1088</b>	<b>1448</b>	<b>493</b>
<b>TOTAL HARVESTING COSTS - contract - \$45/ton pick and haul</b>			<b>225</b>

<b>OVERHEAD COSTS:</b>			
County taxes	39	39	39
Office and Business Costs	30	30	30
<b>TOTAL OVERHEAD COSTS</b>	<b>69</b>	<b>69</b>	<b>69</b>
<b>TOTAL CASH COSTS</b>	<b>1157</b>	<b>1517</b>	<b>787</b>
<b>ACCUMULATED CASH COSTS</b>	<b>1157</b>	<b>2674</b>	<b>3461</b>
<b>DEPRECIATION:</b>			
Building, equipment and irrigation, \$855.39	63	63	63
<b>INTEREST ON INVESTMENT @ 12.5%:</b>			
Building, equipment and irrigation, \$855.39, 13 yrs.	53	53	53
Land \$3000	375	375	375
Interest in accum. cash cost	145	334	432
<b>TOTAL INTEREST ON INVESTMENT</b>	<b>573</b>	<b>762</b>	<b>860</b>
<b>TOTAL COST FOR THE YEAR</b>	<b>1793</b>	<b>2342</b>	<b>1710</b>
<b>CREDIT FOR PRODUCTION</b> at \$75/ton for fruit			<b>-375</b>
<b>NET COST FOR THE YEAR</b>	<b>1793</b>	<b>2342</b>	<b>1335</b>
<b>ACCUMULATED NET COST</b>	<b>1793</b>	<b>4135</b>	<b>5470</b>

#### 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.