



*Sample Costs
to Produce
**EMPEROR
GRAPES**
in the
*San Joaquin
Valley**

1978

Division of Agricultural Sciences
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EMPEROR GRAPES - Sample Costs for a Mature Vineyard
Cost Analysis Worksheet, 1978

Based on a 120-acre unit. Labor @ \$4.00 and \$5.00 per hour total. Tractor per hour cash costs \$3.10, depreciation \$2.00, interest \$1.00. Yield of 457 23-pound lugs (87/ton) 5.25 tons shipped and 1.75 tons culls. Wages include Social Security, Workmen's Compensation, insurance, and all other fringe benefits.

	Sample Costs		My Costs	
	Per Acre	Per Lug	Per Acre	Per Lug
Pre-Harvest Cash Costs:				
Pruning: 20¢/vine, 454/acre	\$ 90.80			
Brush disposal: all middles, contract	6.00			
Fertilizer: 50 lbs. N @ 30¢ applied	15.00			
Mildew control: 3 hrs. labor + 2 1/2 tractor hrs. + materials @ \$7.50	29.75			
Pest management, disease control & materials	70.00			
Irrigation preparation and weed control: 4 hrs. labor + 4 tractor hrs.	32.40			
Irrigate: 5 hrs. labor @ \$5.00	25.00			
Water-power and/or district tax: 4 1/2 ac. ft. @ \$20.00	90.00			
Opening up vines: 17 hrs. labor	68.00			
Misc. labor: 8 hrs. labor + 2 tractor hrs.	40.20			
Misc. materials, stakes, etc.	40.00			
County taxes	60.00			
Repairs, except tractor	20.00			
Business & office costs, operating capital, insurance, etc.	35.23			
TOTAL PRE-HARVEST CASH COSTS	\$ 622.38	\$1.36		
Depreciation:				
Vines, stakes, trellis: cost \$3117, 25 yr. life	\$ 124.68			
Irrigation system: \$300, 20 yr. life	15.00			
Buildings and equipment, except tractor: \$160, 12 yr. life	13.33			
Tractor: 8 1/2 hrs. @ \$2.00	17.00			
TOTAL DEPRECIATION	\$ 170.01	\$.37		
Interest on Investment @ 8%:				
Vines, stakes, trellis: 1/2 cost, \$1559	\$ 124.68			
Irrigation system: 1/2 cost, \$150	12.00			
Buildings and equipment, except tractor: 1/2 cost, \$80	6.40			
Tractor: 8 1/2 hrs. @ \$1.00	8.50			
Land: \$2000/acre	160.00			
TOTAL INTEREST ON INVESTMENT	\$ 311.58	\$.69		
TOTAL PRE-HARVEST COST	\$1103.97	\$2.42		

Cost Per Lug of Packed Fruit

	HOUSE PACKED		FIELD PACKED
Pre-harvest cost	\$2.42	Pre-harvest cost	\$2.42
Pick and haul	.55	Pick, pack, supervision	1.10
Packinghouse cost	1.90	Boxes, etc.	1.05
Cold storage - 3 months	.33	Spread boxes, swamp, haul	.15
		Cold storage - 3 months	.33
TOTAL	\$5.20	TOTAL	\$5.05
NET CREDIT - CULLS @ \$75/TON	.29	NET CREDIT - STRIPPINGS	--
NET F.O.B. COSTS*	\$4.91	NET F.O.B. COSTS*	\$5.05

*Selling commission, Table Grape Commission assessment, inspection and wrapping are not included.

Total F.O.B. Cost Per Lug at Varying Yields

YIELD: Packed lugs	300	400	500	600
House Packed	\$6.17	\$5.25	\$4.70	\$4.33
Field	\$6.31	\$5.39	\$4.84	\$4.47

ABOUT THIS SHEET

This sheet is one of a series on sample costs of producing grapes in the San Joaquin Valley. The series includes information on Thompson Seedless for Raisins and Wine, Thompson Seedless for Table Use, Emperors, and Wine Varieties. 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.

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