

EMPEROR TABLE GRAPES
Sample Costs for A Mature Vineyard - 1986

Based on a 120 acre unit, vines spaced at 8' x 12'. Yield of 457, 23-pound lugs (87/ton), 5.25 tons shipped and 1.75 tons culls. Wages include Social Security, Workmen's Compensation, and insurance. Tractor and supervisory labor \$5.70 per hour. Field labor \$4.85 per hour. Tractor \$6.48 per hour.

Operation	Labor Hours per Acre	Labor	Fuel & Repairs	Cash and Labor Costs Per Acre		Total Cost	Your Cost
				-----Materials----- Kind and Quantity	Cost		
Pre-harvest Cash Costs:							
Pruning: contract				\$.20/vine, 454 vine/acre	90.80	90.80	
Brush Disposal: contract				alternate middles	7.00	7.00	
Fertilizer				50 lbs N @ \$.30/lb + \$5/acre application	20.00	20.00	
Growth regulator				16 g Gibberellin and 1 pt ethephon	25.42	25.42	
Disease & pest control including mildew				Bayleton, Kryocide, Thiodan and fungicide	125.80	125.80	
Disease, pest and growth regulator application cost						55.00	
Herbicides				Materials and appl cost	38.92	38.92	
Cultivation and irrigation preparation	4	22.80	25.92			48.72	
Irrigate	5	24.25				24.25	
Water power and/or district tax 4 1/2 ac ft @ \$32.70					147.15	147.15	
Fruit Exposure	17	82.45				82.45	
Misc. 8 hrs. labor 2 hrs. tractor	8	38.80	12.96	Misc. materials	32.00	83.76	
Interest on operating capital @ 12.5%						93.66	
TOTAL PRE-HARVEST COSTS	34	168.30	38.88		487.09	842.93	
Cash overhead:							
Office and business costs						30.00	
County Taxes						38.75	
TOTAL CASH OVERHEAD COSTS						68.75	
TOTAL CASH COSTS						911.68	
TOTAL CASH COST PER LUG	457 lugs/acre						1.99
Investment							
		Per Acre		Annual Cost			
				Depreciation		Interest @ 12.5%	
Equipment, buildings & irrigation, 13.4 yrs.		875.40		65.23		54.71	119.94
Vines, stakes, trellis: 20 yr life		5384.00		269.20		336.50	605.70
Land		3000.00				375.00	375.00
TOTAL INVESTMENT COSTS		9259.40		334.43		766.21	1100.64
TOTAL COSTS PER ACRE							2012.32
Total Cost per lug, 457 lugs per acre							4.40

 Cost Per Lug of Packed Fruit

House Packed		Field Packed	
Pre-harvest cost	4.40	Pre-harvest cost	4.40
Harvest costs	3.35	Harvest costs	3.25
Pick and haul	.85	Pick, pack and supervision	.95
Packinghouse cost, including		Boxes, etc	1.55
cold storage	2.50	Spread Boxes, swamp, haul	.35
		Storage and handling	.40
-----		-----	
TOTAL COSTS*	7.75	TOTAL*	7.65

- * - Selling commission, Table Grape Commission assessment, inspection and costs of special packing are not included.
 - Does not include any credit received for culls

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

YIELD: Packed lugs	300	400	500	600	700
House packed	\$10.06	\$8.38	\$7.38	\$6.70	6.23
Field packed	\$9.96	\$8.28	\$7.28	\$6.60	6.13

About This Sheet

This sheet is one of a series on sample costs of producing grapes in the San Joaquin Valley. This series includes: Thompson Seedless for Raisins and Wine, Thompson Seedless for Table Use, Wine Varieties, Emperor, Cardinal or Ribier 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 Hirschfeld, 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.