

RIBIER OR CARDINAL GRAPES  
Sample Costs for a Mature Vineyard - 1986

Based on a 120-acre unit, vines spaced at 8' x 12'. Wages include Social Security, Workmen's Compensation and insurance. Yield of 522, 23-pound lugs (87/ton), 6.0 tons shipped, 2.0 tons culls. Tractor and supervisory labor \$5.70 per hour. Field labor \$4.85 per hour. Tractor \$6.48 per hour.

Operation	Labor		Cash and Labor Costs Per Acre			Total Cost	Your Cost
	Hours per Acre	Labor	Fuel & Repairs	-----Materials----- Kind and Quantity	Cost		
<b>Pre-harvest Cash Costs:</b>							
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	
Zinc					3.50	3.50	
Disease & pest control including mildew				Bayleton, Kryocide Thiodan and fungicide	94.05	94.05	
Disease, pest and zinc application costs					68.00	68.00	
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 ac ft @ \$32.70						130.80	
Shoot, fruit and leaf manipulation	80	388.00				388.00	
Girdling	14	67.90				67.90	
Misc. 8 hrs. labor 2 hrs. tractor	8	38.80	12.96	Misc. materials	32.00	83.76	
Interest on operating capital @ 12.5%						133.21	
<b>TOTAL PRE-HARVEST COSTS</b>	<b>111</b>	<b>541.75</b>	<b>38.88</b>		<b>354.27</b>	<b>1198.91</b>	
<b>Cash overhead:</b>							
Office and business costs						30.00	
County Taxes						38.75	
<b>TOTAL CASH OVERHEAD COSTS</b>						<b>68.75</b>	
<b>TOTAL CASH COSTS</b>						<b>1267.67</b>	
<b>TOTAL CASH COST PER LUG - 522 lugs/acre</b>							<b>2.43</b>
<b>Investment</b>							
		Per Acre	Annual Cost				
			Depreciation	Interest @ 12.5%			
Equipment, buildings & irrigation 13.4 hrs.		875.40	65.23	54.71		119.94	
Vines, stakes, trellis 20 yrs.		5384.00	269.20	336.50		605.70	
Land		3000.00		375.00		375.00	
<b>TOTAL INVESTMENT COSTS</b>		<b>9259.40</b>	<b>334.43</b>	<b>766.21</b>		<b>1100.64</b>	
<b>TOTAL COSTS PER ACRE</b>						<b>2368.31</b>	
<b>Cost per lug - 522 lugs/acre</b>							<b>4.54</b>

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 Cost Per Lug of Packed Fruit

House Packed		Field Packed	
Pre-harvest cost	4.54	Pre-harvest cost	4.54
Harvest costs	3.40	Harvest costs	3.30
Pick and haul	.90	Pick, pack and supervision	1.40
Packinghouse cost, including cold storage	2.50	Boxes, etc	1.55
		Spread Boxes, swamp, haul	.35
TOTAL *	7.94	TOTAL *	7.84

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

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

YIELD: Packed lugs	400	500	600	700
House packed	\$9.32	\$8.14	\$7.35	\$6.78
Field packed	\$9.22	\$8.04	\$7.25	\$6.68

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.

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