

Based on a 120-acre unit, vines spaced at 8' x 12'. Labor at \$5.25 and \$6.25 per hour total. Tractor per hour cash costs \$8.90, depreciation \$2.86, interest \$1.60. Yield of 522, 23-pound lugs (87/ton), 6.0 tons shipped, 2.0 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 | \$ | 91. | | |
| Brush disposal: alternate middles, contract | | 7. | | |
| Fertilizer: 50 lbs. N at 30¢ + \$5 application | | 20. | | |
| Pest management and disease control, including mildew | | 162. | | |
| Herbicides: materials + application | | 32. | | |
| Irrigation preparation and cultivation: 4 hrs. labor + 4 hrs. tractor | | 61. | | |
| Irrigate: 5 hrs. labor @ \$6.25 | | 31. | | |
| Water-power and/or district tax: 4 ac. ft. at \$30 per ac. ft. | | 120. | | |
| Shoot, fruit and leaf manipulation: 80 hrs. labor | | 420. | | |
| Girdling: 14 hrs. labor | | 74. | | |
| Zinc spray: materials + application | | 10. | | |
| Misc. labor: 8 hrs. labor + 2 hrs. tractor | | 62. | | |
| Misc. materials, stakes, etc. | | 32. | | |
| County taxes | | 65. | | |
| Repairs, except tractor | | 32. | | |
| Interest on operating capital 12% | | 191. | | |
| Office and business costs | | 42. | | |
| TOTAL PRE-HARVEST CASH COSTS | | \$1452. | \$2.78 | |
| Depreciation: | | | | |
| Vines, stakes, trellis: \$6000, 30 yr. life | \$ | 200. | | |
| Irrigation system: \$680, 20 yr. life | | 34. | | |
| Buildings and equipment, except tractor: \$580, 12 yr. life | | 48. | | |
| Tractor: 8½ hrs. at \$2.86 | | 24. | | |
| TOTAL DEPRECIATION | | \$ 306. | \$.59 | |
| Interest on Investment at 11%: | | | | |
| Vines, stakes, trellis: ½ cost \$3000 | \$ | 330. | | |
| Irrigation system: ½ cost \$340 | | 37. | | |
| Buildings and equipment, except tractor: ½ cost \$290 | | 32. | | |
| Tractor: 8½ hrs. at \$1.60 | | 14. | | |
| Land: \$5000/acre | | 550. | | |
| TOTAL INTEREST ON INVESTMENT | | \$ 963. | \$1.84 | |
| TOTAL PRE-HARVEST COST | | \$2721. | \$5.21 | |

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Cost Per Lug of Packed Fruit

| HOUSE PACKED | | FIELD PACKED | |
|-------------------------------|--------|---------------------------|--------|
| Pre-harvest cost | \$5.21 | Pre-harvest cost | \$5.21 |
| Pick and haul | .80 | Pick, pack, supervision | 1.40 |
| Packinghouse cost | 2.55 | Boxes, etc. | 1.56 |
| Cold storage - 1 month | .40 | Spread boxes, swamp, haul | .35 |
| | | Cold storage - 1 month | .40 |
| TOTAL | \$8.96 | TOTAL | \$8.92 |
| NET CREDIT - CULLS @ \$.75/T | .29 | NET CREDIT - STRIPPINGS | -- |
| NET F.O.B. COSTS* | \$8.67 | NET F.O.B. COSTS* | \$8.92 |

*Selling commission, Table Grapes 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 | \$12.53 | \$10.26 | \$8.90 | \$8.00 |
| Field packed | \$12.78 | \$10.51 | \$9.15 | \$8.25 |

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, and Ribier or Cardinal. 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.