

**EMPEROR TABLE 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 457, 23-pound lugs (87/ton), 5.25 tons shipped and 1.75 tons culls. Tractor and supervisory labor \$5.70 /hour, field labor \$4.85 /hour, and tractor \$6.48/hour.

OPERATION	LABOR HRS/AC	LABOR RATE	LABOR COST	FUEL & REPAIRS	MATERIALS TYPE AND QUANTITY PER ACRE	COST	TOTAL COST	YOUR COST
Preharvest Cash Costs								
Pruning -- Contract					\$0.20/vine, 454 vine/acre	\$91	\$91	
Brush Disposal -- Contract					Alternate middles	\$7	\$7	
Fertilizer					50 lbs N @ \$0.30/lb + \$5.00/Ac application	\$15 \$5	\$15 \$5	
Growth Regulator					16 g Gibberellin and 1 pt Ethephon	\$25	\$25	
Disease & Pest Control (including mildew)					Bayleton, Kryocide Thiodan and Fungicide	\$126	\$126	
Application costs for Growth Regulator and Disease and Pest Control						\$55	\$55	
Herbicides					Materials and Application Costs	\$39	\$39	
Cultivation & Irrigation Preparation	4	\$5.70	\$23	\$26			\$49	
Irrigation	5	\$4.85	\$24				\$24	
Water Power and / or District tax 4.5 ac ft @ \$32.70						\$147	\$147	
Fruit Exposure	17	\$4.85	\$82				\$82	
Miscellaneous	8	\$4.85	\$39	\$13	Materials	\$32	\$84	
Interest on Operating Capital @12.5%						\$94	\$94	
<b>Total Preharvest Costs</b>	<b>34</b>		<b>\$144</b>	<b>\$39</b>		<b>\$636</b>	<b>\$843</b>	
Cash Overhead								
Office & Business Costs							\$30	
County Taxes							\$39	
<b>TOTAL CASH OVERHEAD COSTS</b>							<b>\$69</b>	
<b>TOTAL CASH COSTS</b>							<b>\$912</b>	
<b>TOTAL CASH COST/LUG @ 457 LUGS/ACRE</b>							<b>\$2.00</b>	
<b>ANNUAL COST</b>								
<b>INVESTMENT</b>	<b>Per Acre</b>			<b>DEPRECIATION</b>	<b>INTEREST @12.5%</b>		<b>TOTAL</b>	
Equipment, buildings, irrigation	\$875			\$65	\$55		\$120	
Vines, stakes, trellis - 20 yr life	\$5,384			\$269	\$337		\$606	
Land	\$3,000				\$375		\$375	
<b>TOTAL INVESTMENT COSTS</b>	<b>\$9,259</b>			<b>\$334</b>	<b>\$767</b>		<b>\$1,101</b>	
<b>TOTAL COSTS PER ACRE</b>							<b>\$2,013</b>	
<b>COSTS PER LUG @ 457 LUGS/ACRE</b>							<b>\$4.40</b>	

## COSTS PER LUG. OF PACKED FRUIT

### House Packed

<b>Preharvest costs</b>		<b>\$4.40</b>
<b>Harvest costs</b>		<b>\$3.35</b>
Pick & Haul	\$0.85	
Packinghouse costs including cold storage	\$2.50	
<b>Total House Packed Costs</b>		<b>\$7.75</b>

### Field Packed

<b>Preharvest costs</b>		<b>\$4.40</b>
<b>Harvest Costs</b>		<b>\$3.25</b>
Pick, pack & Supervision	\$0.95	
Boxes etc	\$1.55	
Spread boxes, Swamp, haul	\$0.35	
Storage & handling	\$0.40	
<b>Total Field Packed Costs</b>		<b>\$7.65</b>

Selling commission, Table Grape Commission assessment, inspection and packing are not included.  
Doesnot include any credit received for culls.

**HERBICIDE COSTS FOR GRAPES**  
**Mature Vineyard all Varieties - 1986**

(DATE)	PROBLEM	MATERIAL	AMOUNT PER VINEYARD ACRE	COST/ACRE	APPLICATION COST
Jan - Mar	Weeds, preemergence and cleanup	Karmex	0.5 lb	\$1.65	\$8.00
		Simazine	0.5 lb	\$1.65	
		Paraquat	1.0 pt	\$6.00	
		Surfactant	0.2 gal	\$2.81	
May - June	Maintenace	Roundup	1.0 pt	\$10.00	\$6.00
		Surfactant	0.2 gal	\$2.81	
				\$25	\$14

**PESTICIDE COST EMPERORS**  
**Mature Vineyard - 1986**

(DATE)	PURPOSE	MATERIAL	AMOUNT VINEYARD ACRE	COST/ACRE	APPLICATION COST
Mid April	Powdery Mildew	Bayleton	4.0 oz	\$11.75	\$8.00
Bloom	Powdery Mildew	Bayleton	4.0 oz	\$11.75	\$8.00
Mid May	OLR, & GLS	Kryocide	8.0 lbs	\$8.80	
Bloom + 14 - 21 Days	Powdery Mildew Growth Regulator	Bayleton	4.0 oz	\$11.75	\$8.00
		Gibberellin	16 gm	\$17.92	
July 15 - Aug 1	Leafhopper **	Thiodan	2.5 lbs	\$10.00	\$8.00
	Powdery Mildew	Bayleton	4.0 oz	\$11.75	\$8.00
	Growth Regulator	Ethephon	1.0 pt	\$7.50	
Sept 1 -	Stem Mildew Bunch Rot	Fungicide Dust	3 appl \$20.00 ea	\$60.00	\$15.00
				\$151	\$55

\* May be combined with Leafhopper spray.

\*\* Some growers make a second Leafhopper application.

*Materials and rates are not included because of wide variation among growers.*

**PESTICIDE ESTABLISHMENT COSTS**  
**ALL VARIETIES**

Year	Material	Costs for Materials	Costs for Application	Total Costs
1st year	Kryocide 8 lbs (OIR and GLS)	\$9	\$8	\$17
2nd year	Kryocide 8 lbs (OLR and GLS)	\$9	\$8	\$17
	Thiodan 2.5 lbs (Leafhopper)	\$10		\$10
3rd year	Same as pesticide production cost for that particular variety			