

**WINE VARIETIES**  
**Sample Costs for a Mature Vineyard - 1986**

Based on a 120-acre unit, vines spaced at 8' x 12'. Wages include social security, workman's compensation and insurance.  
 Yield of 10 tons/acre. 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					\$0.19/vine, 495 vines/acre	\$94	\$94	
Brush Disposal -- Contract					Every middles	\$10	\$10	
Fertilizer					60 lbs N @ \$0.30/lb	\$18	\$18	
					+ \$5.00/Ac application	\$5	\$5	
Disease & Pest Control (including mildew)					Bayleton, Kryocide, Fungicide Thiodan and Omite	\$106	\$106	
Application costs for Growth Regulator and Disease and Pest Control							\$32	
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						\$56	\$56	
3.5 ac ft @ \$16.00								
Miscellaneous	3	\$4.85	\$15	\$6	Materials	\$28	\$49	
Interest on Operating Capital @12.5%							\$60	
<b>Total Preharvest Costs</b>	<b>12</b>		<b>\$62</b>	<b>\$32</b>		<b>\$356</b>	<b>\$542</b>	
<b>HARVESTING COSTS</b>								
Hand Pick and Haul to Winery -- Contract							\$450	
<b>Cash Overhead</b>								
Office & Business Costs							\$30	
County Taxes							\$39	
<b>TOTAL CASH OVERHEAD COSTS</b>								<b>\$69</b>
<b>TOTAL CASH COSTS</b>								<b>\$1,061</b>
<b>TOTAL CASH COSTS/TON @ 10 TONS / ACRE</b>								<b>\$106</b>
<b>ANNUAL COSTS</b>								
<b>INVESTMENT</b>	<b>Per Acre</b>	<b>DEPRECIATION</b>			<b>INTEREST @12.5%</b>		<b>TOTAL</b>	
Equipment, buildings, irrigation	\$855			\$63		\$53	\$117	
Vines, stakes and trellis	\$5,469			\$273		\$342	\$615	
Land	\$3,000					\$375	\$375	
<b>TOTAL INVESTMENT COSTS</b>	<b>\$9,324</b>			<b>\$337</b>		<b>\$770</b>	<b>\$1,107</b>	
<b>TOTAL COSTS PER ACRE</b>								<b>\$2,167</b>
<b>TOTAL CASH COSTS/TON @ 10 TONS/ ACRE</b>								<b>\$216.73</b>

**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	Maintenance	Roundup	1.0 pt	\$10.00	\$6.00
		Surfactant	0.2 gal	\$2.81	
				\$25	\$14

**PESTICIDE COST WINE VARIETIES**  
**Mature Vineyard - 1986**

(DATE)	PURPOSE	MATERIAL	AMOUNT PER VINEYARD ACRE	COST/ACRE	APPLICATION COST
Mid April	Powdery Mildew	Bayleton	4.0 oz	\$11.75	\$8.00
Bloom	Powdery Mildew OLR, & GLS Bunch Rot	Bayleton	4.0 oz	\$11.75	\$8.00 \$8.00 \$8.00
		Kryocide	8.0 lbs	\$8.80	
		Fungicide		\$25.00	
Bloom + 2-3 Weeks	Powdery Mildew Spide Mites*	Bayleton	4.0 oz	\$11.75	
		Omite	5.0 lbs	\$11.75	
July 15 - Aug 1	Leafhopper ** OLR, & GLS	Thiodan	2.5 lbs	\$10.00	\$8.00
		Kryocide	8.0 lbs	\$8.80	
				\$100	\$32

\* 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 (OLR 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			

**WINE VARIETY  
EQUIPMENT AND BUILDING LIST**

ITEM	ORIGINAL COST	ANNUAL USE (ACRES)	COST/ACRE	LIFE (YEARS)	DEPR	INTEREST @ 12.5%	REPAIR COSTS/HR	FUEL COSTS/HR
<b>TRACTORS</b>								
30 hp Wheel Diesel	\$13,000	120	\$108	10	\$11	\$6.77	\$1.30	\$1.95
60 HP Wheel Diesel	\$31,000	120	\$258	10	\$26	\$16.15	\$2.58	\$3.90
Disk, tandem 8'	\$7,500	120	\$63	15	\$4	\$3.91	\$3.60	
Border disc	\$2,000	120	\$17	15	\$1	\$1.04	\$0.96	
Springtooth 8'	\$1,500	120	\$13	20	\$1	\$0.78	\$0.90	
Flat furrower	\$2,800	120	\$23	20	\$1	\$1.46		
Three-point hitch	\$1,100	120	\$9	10	\$1	\$0.57	\$0.92	
Power Sprayer (100 gals)								
3-Wheel Motorcycle	\$1,500	120	\$13	5	\$3	\$0.78		
Pickup	\$8,000	120	\$67	5	\$13	\$4.17		
Misc tools	\$5,000	120	\$42	10	\$4	\$2.60		
Cane cutters	\$2,679	120	\$23	10	\$2	\$1.40		
2 Tool bars	\$800	120	\$7	10	\$1	\$0.42		
Air Compressor	\$600	120	\$5	20	\$0	\$0.31		
Irrigation System	\$81,600	120	\$680	20	\$34	\$42.50		
Buildings	\$12,000	120	\$100	30	\$3	\$6.25		
<b>TOTAL COST</b>	<b>\$171,079</b>		<b>\$1,427</b>		<b>\$105</b>	<b>\$89.11</b>	<b>\$10.26</b>	<b>\$5.85</b>
<b>60% OF NEW COSTS</b>	<b>\$102,647</b>		<b>\$856</b>		<b>\$63</b>	<b>\$53.47</b>	<b>\$6.16</b>	<b>\$3.51</b>