

GRAFTING-OVER A MATURE VINEYARD

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Sample Cost Worksheet, 1985

Cost are based on labor at \$5.25 per hour and tractor per hour cash costs at \$8.90, depreciation at \$3.80, and interest at \$1.60. Wages include Social Security, Workmen's Compensation, insurance, and all other fringe benefits.

	<u>Sample Costs</u> per acre	<u>My Costs</u> per acre
<u>Prepare vines for grafting</u>		
Prune off brush and place in row middles - 16 hrs. labor	\$ 84.00	
shred brush, contract		10.00
Cut off cordons, cut wires*, haul out and burn - 18 hrs. labor		94.50
chain saw costs, including sharpening once/acre		9.00
2.5 tractor hrs.		22.25
Install new wire* - 6 hrs. labor		31.50
wire, #2 lbs. @ 36¢ plus staples #13 high tinsel		29.52
1 tractor hr.		8.90
Total Preparation		<u>289.67</u>
<u>Grafting</u>		
Collect and store scion wood, 200 budsticks @ 10¢		20.00
Contract grafting @\$1.10/vine, including 1st application of grafting compound (519 vines/acre, 7' x 12' spacing)		570.90
grafting compound - 3 gals.		15.00
Resealing grafts @ 40 vines/hr. - 13 hrs. labor		68.25
grafting compound - 1 gal.		5.00
Paint grafts @ 30 vines/hr. - 17 hrs. labor		89.25
material - 1.5 gal. white interior latex paint to be diluted with water		15.00
Total Grafting		<u>763.40</u>
<u>Care of vines</u>		
Sucker** - 1st time, 5 hrs. labor		26.25
Tie up grafts and train onto wire, plus follow-up suckering 21 hrs. labor		110.25
twine		
Regraft 2nd year - 104 vines, assuming 20% loss		
Cut off suckers and top of stumps - 4 hrs. labor		21.00
Regraft @ 85¢		88.40
Reseal and paint grafts - 3.5 hrs. labor		18.30
Tie up and train grafts - 4.5 hrs. labor		23.60
<u>Layering for missing vines 3rd year - 21 vines, assuming 20% loss of regrafts</u>		
Prune mother vines, plant layers and tie - 3 hrs. labor		15.80
Care for layers, suckering and tying - 1.5 hrs. labor		7.80
Total Care		<u>\$ 311.40</u>

GRAFTING TOTAL COST PER ACRE \$1,367.42

*only necessary in older plantings with cordons grown into wire

**varies widely with variety and vine age; follow up graftings by "T" budding will allow for higher percent take the first year.

	<u>Sample Costs</u> per acre	<u>My Costs</u> per acre
<u>Trellis System</u>		
7' post every other vine with 3' crossarm, 3 wire trellis		
(8 x 12 = 454 vines 2 = 227 stakes;		
7 x 12 = 518 vines 2 = 259 stakes;		
8 x 11 = 495 vines 2 = 247 stakes)		
String 3, wires and staple	39.40	
Attach crossarms and braces 16 hrs.	84.00	
Crossarms 3' @ 33¢, Brace @ 4¢		
staples, nails, tie wire @ 4¢ (247 needed)	101.30	
Wire, 263 lbs, # 13 high tensil @ 34¢ lb.	89.40	
Stakes (treated) 247 @ \$1.00 ea.	247.00	
Drive stakes 18¢ each	44.50	
Total Trellis System	\$	<u>605.60</u>

Original steel or wood stake left in place. Cordon wire and three foliage wires installed. New 7' stakes are installed in the middle between every other vines. Steel or wood extensions could be scabed on the existing stakes. 36" metal crossarms and v bolt 60¢ each

Brought forward from page 1.	Cost Per Acre to Graft	\$ 1,367.42
TOTAL COST OF CONVERSION		\$ 1,968.07