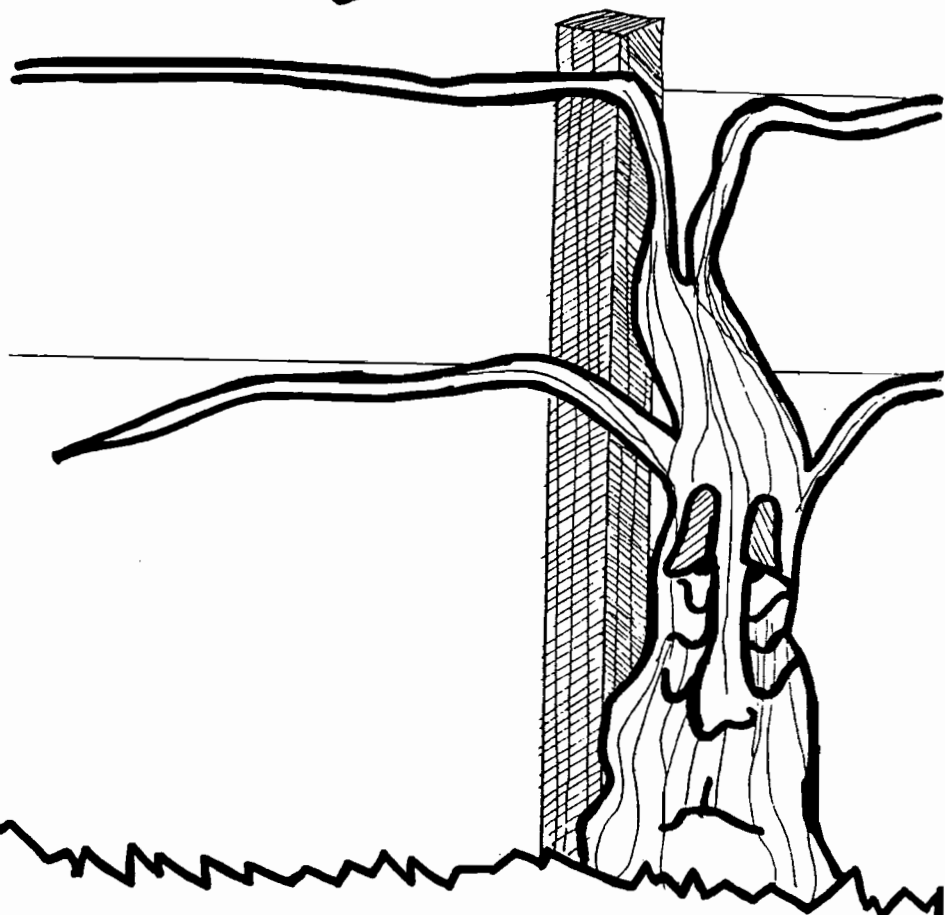


COST ESTIMATES FOR
REPLACING

DAMAGED VINES



COST ESTIMATES FOR REPLACING DAMAGED VINES

Thompson Seedles Raisin or Wine

*Based on Loss of 10 Vines

This sheet is to aid growers, insurance adjusters, etc. to arrive at an equitable value for the loss of destroyed or damaged vines. It includes examples for costs incurred in replacing vines and for compensation for loss of crop during vine establishment. It is not intended to establish firm, uncompromising values and should be used as an example, recognizing that each individual situation is different, including vineyard age and productivity, time and nuisance factor for management, trellis system used, market outlets, number of rows involved as well as total number of vines, etc. These and other variables must be worked out individually. For vine losses less or more than ten, the costs will be proportionately higher or lower on a per vine basis. As an example, it requires the same amount of time and mileage to purchase five rootings as compared to ten rootings. Since the full value of the loss of production is included in our examples, only special costs above normal operating expenses can be deducted, i.e. the normal operating costs, other than harvesting, such as pruning, cultivating, taxes, pest control, water, etc. are costs that come out of the money received for the lost crop.

REPLACEMENT COST EXAMPLE

Removal of damaged vines and stakes - 4 hrs. @ \$5.70**	\$ 22.80
Cost of rootings - 10 @ 37¢	3.70
Planting labor - 2 hrs. @ \$5.70	11.40
6' stakes, treated - 10 @ \$1.00	10.00
85' No. 12 galv. wire (1 wire) - 3 lbs. @ 37¢	1.11
Staking & wiring labor - 2 hrs. @ \$5.70	11.40
Special care of vines for 4 yrs.	
Hand weeding mainly 1st & 2nd yrs. - 3 hrs.	
Training mainly 2nd & 3rd yrs. - 4 hrs.	
Special watering mainly 1st & 2nd yrs. - 15 hrs.	
Total 22 hrs.	
@ \$5.70	125.40
Rabbit protection, paper bags or net - 10 @ 12¢, labor 1 hr. @ \$5.70	6.90
Misc.: Materials (twine, staples, etc.)	2.00
Phone expense	2.00
Auto expense to pick up rootings & stakes - 40 mi. @ 22¢	8.80
Time & labor for reports & picking up rootings, stakes, etc. - 4 hrs. @ \$5.70	22.80
Tractor expense - 5 hrs. @ \$8.40	42.00
	<u>\$270.31</u>

(A)
27.03 vine

LOSS OF CROP EXAMPLE

In this example we assume the annual green tonnage yield to be an average 11 tons/acre for the vineyard. This is equal to about 50 lbs./vine annually. Therefore, three years with a total loss of crop plus two years with 1/2 crop loss will equal a sum total crop loss for these ten vines over a five-year-period equal to one green ton. Also given is a raisin example, assuming a 4.25:1 green weight to dry weight ratio equaling 470 lbs. of raisins.

Yield Loss	Price/Ton	Harvest - Costs	Fruit Value 10 Vines for 5-Year Period	Est. Crop Loss/Vine for 5-Year Period
10 Vines x				

***Winery Example

1 ton @ \$60 - 40 harvesting -	\$20	\$2.00
70 - 40 harvesting -	30	3.00
80 - 40 harvesting -	40	4.00
90 - 40 harvesting -	50	5.00

***Raisin Example: Assume 4.25:1 dry ratio

470 lbs.	\$ 500 - \$230	\$ 63.45	\$ 6.35
470 lbs.	700 - 230	110.45	11.05
470 lbs.	900 - 230	157.45	15.75

Estimated total value/vine

Add replacement cost (A) to crop loss for total = _____

**Labor at \$5.70/hr. including FICA, Workman's Compensation and Unemployment Insurance

***See Farm Advisor Wine and Raisin Price Sheets

Note: See back for possible additional items

POSSIBLE ADDITIONAL ITEMS

The following items are often required to repair a damaged vineyard to its former state. Therefore, their estimated cost should be added where applicable.

End post - treated - 8'	\$ 5.10
Removal of damaged end post and installation of new end post - 2 hrs. @ \$5.70	11.40
Crossarm - 2' - material + installation (each)	1.50
Spot soil fumigation - material + application application cost is highly variable depending on growers soil, equipment and methods used	2.50/vine and above
Stand pipes, valves, etc. - suggest that you let a pipe company repair and bill for it.	

Donna Hirschfelt
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100 Copies
May 1986

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