

Supplemental Data for:

Atallah, S.S., M.I. Gómez, M.F. Fuchs, and T.E. Martinson. 2012.

Economic impact of grapevine leafroll disease on *Vitis vinifera* cv. Cabernet franc in Finger Lakes vineyards of New York. Am. J. Enol. Vitic. 63:73-79. doi: 10.5344/ajev.2011.11055.

Survey Instrument

1. Prevalence: What percentage of your vineyard is affected by leafroll? (*Highlight one*)

- a. 0
- b. 0-10
- c. 10-25
- d. 25-50
- e. 50 or more
- f. I don't know

2. Varieties: What grape varieties are affected by leafroll?

3. Symptoms of Leafroll Virus on Crop: In the following section, please mention whether you noticed a change in vine yield, sugars and/or acidity associated with the leafroll virus infection. If changed occurred, please indicate the degree of change, if measured or estimated. (*Highlight answer*)

Yield decreased by (%):

- a. 0 (no decrease)
- b. 0-10
- c. 10-25
- d. 25-50
- e. 50 or more

Sugars decreased by (Brix):

- a. 0 (no decrease)
- b. 0-1
- c. 1-2
- d. 2-3
- e. 3-4
- f. I don't know

Acidity increased by (g/L):

- a. 0 (no decrease)
- b. 0-0.5
- c. 0.5-1
- d. 1-2
- e. 2 or more
- f. I don't know

4. Changes in Agricultural Practices in Response to Leafroll Prevalence:

- Have you replanted your vineyard in response to leafroll infection? **Yes** **No** (*Highlight one*)
- If not, have you changed any of the following practices as a response to your vineyard leafroll infection? (*Check the appropriate cell*) If yes, please mention how many units (of labor or equipment) you had to utilize on each activity as a result of leafroll infection.

	Yes	No	If yes, how many units (vines replanted, quantity fertilizer/pesticide, etc.)
Vine replacement			
Leaf removal			
Fertilization			
Pesticide			
Other:			

5. Contracts with Vineyards:

- Do you buy/sell grapes from vineyards other than your own? **Yes** **No** (*Highlight one*)
- If yes, do you have contracts with those vineyards? **Yes** **No** (*Highlight one*)
- If yes, does the contract refer to quality standards related to the sugars and/or the acidity of the grapes? **Yes** **No** (*Highlight one*)
- If yes, what are those standards?
Sugars: _____ Acidity: _____
- How do you penalize (get penalized for) lower standards? (*Highlight answer*)
____ No penalty for lower standards
____ Batch is refused
____ There is a penalty of: _____