% Vines with Crown Gall

- Conventional
- IPM/Best Mgmt
- Organic App
% Vines with Crown Gall

- Foch
- Frontenac
- Cynthiana
- St. Croix
- Chambourcin
- Seyval
- La Crosse
- Vignole
- Traminette
- Edelweiss
- Marquis
- Vanessa
- Reliance
- Reliance
- Mars
- Jupiter

Hort Farm
Armstrong
At bud break
Early May Frost Injury
Cultivar differences were evident
Spring Frost Injury Rating

Scale: 0 = not emerged, 1 = none visible, to 5 = very severe
Frontenac
Primary Buds / Ft of Cordon

- Foch
- Frontenac
- Cynthiana
- St. Croix
- Chambourcin
- Seyval
- La Crosse
- Vignole
- Traminette
- Edelweiss
- Marquis
- Vanessa
- Reliance
- Mars
- Jupiter

Graph showing the comparison of primary buds per foot of cordon for Hort Farm (purple) and Armstrong (green) across various grape varieties.

Varieties:
- Foch
- Frontenac
- Cynthiana
- St. Croix
- Chambourcin
- Seyval
- La Crosse
- Vignole
- Traminette
- Edelweiss
- Marquis
- Vanessa
- Reliance
- Mars
- Jupiter

Legend:
- Hort Farm
- Armstrong
Cluster thinned:
Large & medium clusters – 1 per shoot
Small clusters – 2 per shoot
Shoot positioning ("combing")
VSP

‘La Crosse’
Pest Problems

Frontenac