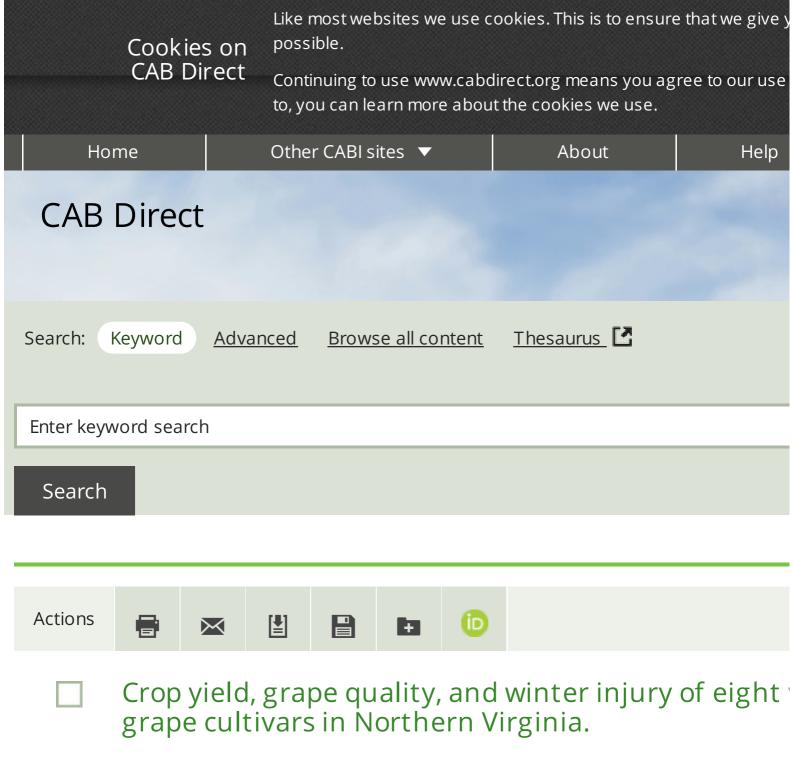
## Crop yield, grape quality, and winter <u>Download Here</u> injury of eight wine grape cultivars in

Northern Virginia.



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Abstract: Cultivars Chardonnay #4, Gruner Veltliner #1, Malvasia bianca #3 Ottonel #1, Petit Manseng, Viognier, Vidal and Chardonel were evaluated at Virginia for components of crop yield, fruit chemistry, and dormant bud cold

over eight crop seasons. Chardonnay and Vidal represented "standards" fo in that they were grown commercially and successfully in Virginia; we lacked with the others. All cultivars were trained to bi-lateral cordons and spur-pru novel cultivars all possessed mid-winter, dormant bud cold hardiness super Chardonnay. Highest crop yields were attained with Vidal (11.0 kg/vine) and Veltliner (10.4 kg/vine); lowest with Muscat Ottonel (5.1 kg/vine) and Viognia High sugar accumulating cultivars were Chardonel (23.4°Brix), Petit Mansen and Viognier (23.2°Brix), whereas Malvasia bianca and Muscat Ottonel were relatively low soluble solids concentration but pronounced fruit aromas. Ung Chardonel suffered vine loss due to phylloxera. With the exception of Gruncultivars warranted general recommendation in the established grape prod of Virginia. Gruner Veltliner was susceptible to increased fruit rot severity, by otherwise viticulturally acceptable.

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