Crop yield, grape quality, and winter injury of eight wine grape cultivars in Northern Virginia.

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Journal article : Journal of American Pomological Society 2000 Vol.54 No.1 pp.34

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 Viognie
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 Grun
cultivars warranted general recommendation in the established grape prod
of Virginia. Gruner Veltliner was susceptible to increased fruit rot severity, b
otherwise viticulturally acceptable.

Record Number : 20000312387
Language of text : English
Language of summary : English

Indexing terms for this abstract:

Organism descriptor(s) : Phylloxera, Vitaceae, Vitis, Vitis vinifera
Descriptor(s) : Brix, cold resistance, crops, cultivars, fruit crops, fruits, grapes, ten
variety trials, winter hardiness, yield components
Identifier(s) : cold hardiness, cultivated varieties, United States of America, Vitida
Geographical Location(s) : USA, Virginia
Broader term(s) : Phylloxeridae, Aphidoidea, Sternorrhyncha, Hemiptera, insects,
arthropods, invertebrates, animals, eukaryotes, Vitaceae, Vitales, eudicots, angio
Spermatophyta, plants, Vitis, APEC countries, Developed Countries, North Americ
OECD Countries, Appalachian States of USA, Southern States of USA, USA, South
of USA

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