

Grape Diseases

in the Southern Interior of British Columbia



Early powdery mildew symptoms on young grape berries



Severe powdery mildew on 'Chancellor' grape cluster



Whitish, powdery patches on grape leaves caused by grape powdery mildew



Close-up view of grape powdery mildew conidia (spores) on grape leaf



Powdery mildew infection on 'Pinot Noir' grape cane



Powdery mildew cleistothecia (overwintering fruiting bodies) on fruit stem

Diseases of Grape in the Southern Interior of British Columbia



Botrytis bunch rot - discoloured berries caused by *Botrytis cinerea*



Botrytis bunch rot - tan brown mold growth (sporulation) of *Botrytis cinerea* may be seen in damp weather



Botrytis bunch rot on 'Reisling'. Infected berries shrivel in dry weather.



Sour rot on 'Optima' cluster. Symptoms are very similar to those of botrytis bunch rot.



Sour rot infection of grape cluster



Penicillium rot sporulating on 'Reisling' grape. *Penicillium* is a common secondary mold and post-harvest pathogen.



Crown gall at the base of the vine



Crown gall - aerial galls on grape stem

Diseases of Grape in the Southern Interior of British Columbia



Esca - infected grapevine exhibiting delayed growth



Vascular symptoms of Esca



Blackfoot disease caused by *Cylindrocarpon*, causing a sudden collapse of the grapevine during hot weather



Eutypa canker on 'Chardonnay' caused by *Eutypa lata*



Botryosphaeria decline: early symptoms on 'Merlot' showing delayed growth



Botryosphaeria decline - symptoms may be visible on only one arm of the vine as shown



Botryosphaeria canker on young 'Merlot' grapevine



Roesleria root rot - fruiting bodies of *Roesleria subterranea* on grapevine roots

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Grapevine leafroll virus - early season symptoms on 'Cabernet'. Photo courtesy N. Rayapati, WSU



Grapevine leafroll virus - early season symptoms on 'Chardonnay'. Photo courtesy N. Rayapati, WSU



Grapevine leafroll virus symptoms.
Photo courtesy N. Rayapati, Washington State University



Grapevine fanleaf virus symptoms.
Photo courtesy Canadian Food Inspection Agency



Grapevine fanleaf virus symptoms.
Photo courtesy Canadian Food Inspection Agency



Grapevine rupestris stem pitting disease.
Photo courtesy Canadian Food Inspection Agency



Grapevine corky bark disease foliar symptoms on LN33 indicator. Photo: Canadian Food Inspection Agency



Bois noir phytoplasma foliar symptoms on 'Grenache'.
Photo courtesy Canadian Food Inspection Agency