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
Diseases of Grape in the Southern Interior of British Columbia

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