

ANR-0138

Table 3. Disease and chemical susceptibility or sensitivity of selected grape cultivars planted in the Midwest.

Susceptible or Sensitive to ¹												
Cultivar	Black rot	Downy mildew	Powdery mildew	Botrytis	Phomopsis	Eutypa	Crown gall	Anthracnose	Sulfur ²	Copper ³	2,4-D ⁴	Dicamba ⁴
Aromella	+	+++	+	+	++	?	?	+	?	?	+++	+++
Brianna	?	+	?	+	?	?	?	?	Yes	+++	++	+
Cabernet franc	+++	+++	+++	+	?	?	+++	++	No	?	+	+++
Cabernet Sauvignon	+++	+++	+++	+	+++	+++	+++	?	No	+	+	?
Catawba	+++	+++	++	+	+++	+	+	++	No	++	++	++
Cayuga White	+	++	+	+	++	+	++	+++	No	+	+	+++
Chambourcin	+++	+	+++	++	+	?	++	+	Yes	?	+++	++
Chardonel	++	++	++	++	+++	++	++	+	No	?	++	+++
Chardonnay	++	+++	+++	+++	+++	++	+++	+++	No	+	++	+++
Concord	+++	+	++	+	+++	+++	+	+	Yes	+	+++	++
Corot noir	+	+++	+	+	++	+	+	+	No	?	++	+++
Cynthiana/Norton	+	++	+	+	+	?	+	+	Yes	?	+++	+++

Delaware	++	+++ ⁵	++	+	+++	+	+	++	No	+	+++	?
Edelweiss	?	?	?	?	?	?	?	?	?	?	++	?
Foch	++	+	++	+	+	+++	+	++	Yes	++	+++	+++
Frontenac	+++	+	++	++	+	?	?	+++	No	++	+	+++
Frontenac gris	++	+	++	++	+	?	?	++	No	++	+	+
Lemberger	+++	+++	+++	+	?	+++	+++	?	No	?	++	?
Marquette	++	+	+	+++	+++	?	+	+++	No	++	+++	+
Merlot	++	+++	+++	++	+	+++	+++	++	No	++	?	?
Niagara	+++	+++	++	+	+++	+	++	++	No	+	+++	++
Noiret	+++	++	++	+	+	?	++	+	No	?	++	+++
Petite Pearl	+++	+	+	+	+	?	+	+	?	?	+	?
Pinot gris	+++	+++	+++	++	?	+++	+++	?	No	?	?	?
Pinot noir	+++	+++	+++	+++	?	?	+++	?	No	+	?	?
Riesling	+++	+++	+++	+++	++	++	+++	?	No	+	+	++
Traminette	+	++	+	+	+++	?	++	+	No	?	++	++
Valvin Muscat	++	+	++	+	+	?	+	?	No	?	+++	+
Vidal blanc	+	++	+++	+	+	+	++	+++	No	?	++	+++
Vignoles	+	++	+++	+++	++	++	++	+++	No	?	+	+++

¹+ = slightly susceptible or sensitive, ++ = moderately susceptible or sensitive, +++ = highly susceptible or sensitive. No = not sensitive. Yes = sensitive. ? = relative susceptibility or sensitivity not established.

²Slight to moderate sulfur injury may occur even on tolerant cultivars when temperatures are 85 degrees Fahrenheit or higher during, or immediately following, the application.

³Copper applied under cool, slow-drying conditions is likely to cause injury.

⁴Herbicide sensitivity ratings based on observation and simulated drift studies in Indiana.

⁵Berries not susceptible.