

Activity of Fungicides on Grape Diseases, 2015

Ratings in shaded cells indicate the disease is listed on the product label for control or suppression. Please see the product label or crop calendars for registered uses. Use fungicides only for the crop and disease combinations listed on the product label. Additional information is provided in this table to assist the grower in choosing the best fungicide for control of diseases listed on the product label.

Group	Fungicide	Anthrachnose	Phomopsis cane and leaf spot	Black rot	Downy mildew	Powdery mildew	Botrytis bunch rot	Activity	Re-entry interval
M	Copper Spray	0	+	+	++	+	0	Contact	48 hr
M	Guardzman Copper Oxchloride	0	+	+	++	+	0	Contact	48 hr
M	Kocide 2000	0	+	+	++	+	0	Contact	48 hr
M	<i>Cueva Copper*</i>	0	+	+	++	++	0	Contact	48 hr
M	Kumulus DF	+	+	0	0	+++	0	Contact	24 hr
M	Microscopic Sulphur	+	+	0	0	+++	0	Contact	24 hr
M	Microthiol Dispers	+	+	0	0	+++	0	Contact	24 hr
M	Lime Sulphur	++	0	0	0	++	0	Contact	24 hr
M	Ferbam 76 WDG	++	+++	+++	++	0	0	Contact	12 hr
M	Polyram DF	++	+++	+++	+++	0	0	Contact	12 hr
M	Penncozeb	++	+++	+++	+++	0	0	Contact	24 hr
M	Manzate	++	+++	+++	+++	0	0	Contact	24 hr
M	Dithane Rainshield	++	+++	+++	+++	0	0	Contact	12 hr
M	Supra Captan 80 WDG	++	+++	+	+++	0	0	Contact	72 hr
M	Folpan 80 WDG	++	+++	+	+++	0	0	Contact	24 hr
M	Maestro 80 DF	++	+++	+	+++	0	0	Contact	72 hr
2	Rovral	0	0	0	0	0	++++	Local systemic	12 hr
3	Fullback	+++	0	++++	0	++++	0	Local systemic	12 hr ¹ /15 days ²
3	Inspire	+++	0	++++	0	++++	0	Local systemic	12 hr ¹ /48 hr ²
3	Mettle 125ME	+++	0	++++	0	+++ ^R	0	Local systemic	12 hr ¹ /7 days ²
3	Nova Fungicide	+++	0	++++	0	+++ ^R	0	Local systemic	12 hrs ¹ /12 days ²
4	RidomilGold MZ 68 WG	0	+	+	++++	0	0	Systemic	24 hr
7	Cantus WDG	0	0	0	0	++++	+*	Local systemic	12 hr
7+9	Luna Tranquility	0	0	0	0	++++	++++	Local systemic	12 hr ¹ /24 hr ²
9	Scala SC	0	0	0	0	0	++++	Local systemic	12 hr ¹ /24 hr ²
9	Vanguard 75 WG	0	0	0	0	0	++++	Local systemic	48 hr
9+	Switch	0	0	0	0	0	++++	Local systemic	12 hr ¹ /48 hr ²
11	Flint Fungicide	0	+	++++	+	+++ ^R	+*	Local systemic	12 hr ¹ /5 days ²
11	Sovran	0	+	++++	++	+++ ^R	+	Local systemic	48 hr
11&7	Pristine WG	+++	+	++++	++++	++++	+*	Local systemic	When dry ¹ /21 days ²

Group	Fungicide	Anthrachnose	Phomopsis cane and leaf spot	Black rot	Downy mildew	Powdery mildew	Botrytis bunch rot	Activity	Re-entry interval
13	Quintec	0	0	0	0	++++	0	Local systemic	12 hr
17	Elevate 50 WDG	0	0	0	0	+	++++	Local systemic	4 hr
22	Gavel 75DF	0	0	0	+++	0	0	Contact	48 hr
33	Aliette	0	0	0	++++	0	0	Systemic	6 days
33	Phostrol	0	0	0	++++	0	0	Systemic	12 hr
33	Rampart	0	0	0	+++	0	0	Systemic	4 hr
40	Revus	0	0	0	++++	0	0	Local systemic	12 hr
40	Acrobat	0	0	0	++++	0	0	Systemic	12 hr ¹ /12 days ²
40+45	Zampro	0	0	0	++++	0	0	Systemic	12 hr ¹ /12 days ²
43	Presidio	0	0	0	++++	0	0	Local systemic	12 hr ¹ /8 days ²
44	Serenade Max	0	0	0	0	+	++	Contact	12 hr
NC	MilStop	0	0	0	0	++	+	Contact	4 hr
NC	Sirocco	0	0	0	0	++	+	Contact	4 hr
NC	Timorex Gold	0	0	0	+	+	0	Contact	4 hr
NC	Buran	0	0	0	0	+?	0	Contact	When dry
NC	Tivano	0	0	0	+?	0	0	Contact	When dry
NC	Botector	0	0	0	0	0	++	Contact	When dry
NC	Fracture	?	?	?	+?	+?	?	Contact	12 hr
U8	Vivando SC	0	0	0	0	++++	0	Local systemic	12 hr
U	Purespray Green Spray Oil 13E	0	0	0	0	++	0	Contact	12 hr
P5	Regalia Maxx	0	0	0	0	+	+	Host resistance activator	When dry

0 = Ineffective; + = Slightly effective/suppression, not recommended for very susceptible varieties or at critical stages of infection; ++ = Moderately effective; ++++ = Very effective; +? = registered but no experience in Ontario; ? activity unknown

Contact: stays on the surface of plant

Local systemic: moves into plant but does not move to other plant parts

Systemic: moves into plant and to unsprayed plant parts as they develop

Host resistance: stimulates host defences against infection

* Not available until late 2015

¹ General re-entry

² Hand labour, eg. Training, thinning, leaf pulling, hand harvest

^R Resistance to fungicide documented elsewhere and likely in Ontario so efficacy may be less than optimal.

* Ineffective at labelled rate

NC = Not classified.

