
Fungicide Guidelines

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Overview Of Fungicides Registered For Use In Saskatoon Orchards		
Fungicide	Registered Use	Timing
Topas 250E	Entomosporium leaf & berry spot	Apply 3 times per season; at white tip, petal drop, and green fruit stages, no later than 38 days before harvest.
Kumulus DF	Entomosporium leaf & berry spot	Apply first at flower bud break and subsequently at 10-14 day intervals.
Nova 40W	Powdery mildew	Apply first at flowering and subsequently at 14 day intervals; do not apply more than 3 times per season or within 14 days of harvest.
Funginex 190EC	Entomosporium leaf & berry spot, saskatoon-juniper rust	Apply one application per season, only between flower bud break and white tip stage; efficacy limited because of this restriction.

Caution - This information is solely meant as a guide. Application of all pesticides must be in accordance with instructions on the product label as prescribed under the Pest Control Products Act. Always refer to the label.

Guidelines To The Use Of Topas 250E

Manufacturer - Engage Marketing Ltd.

Trade Names - Topas 250E.

Formulation - Systemic fungicide; emulsifiable concentrate; 250 g/L

propiconazole.

Registered Use - Control of *Entomosporium* leaf and berry spot, and saskatoon-juniper rust (*Gymnosporangium* species).

Timing Of Application - Apply at white tip, petal drop and green fruit stages; the last application must be made no later than 38 days before harvest.

Application Rate & Guidelines - 500ml/ha in a minimum of 200 litres of water, applying to runoff. If rainfall occurs within one hour of application, reapplication is necessary. High humidity and low temperatures (10 to 20°C) allow for better

deposition of spray droplets.

Restrictions - Topas 250 E cannot be applied within 38 days of harvest.

Points To Note - Topas 250E is also registered to control monolinia blight (mummyberry) in lowbush blueberries. It is a broad spectrum systemic fungicide that should be applied as a preventative control, although it has both preventative and curative activity. The length of control is from 3 to 4 weeks.

Guidelines To The Use Of Kumulus DF

Manufacturer - BASF Canada Inc.

Trade Names - Kumulus DF.

Formulation - Water-dispersible granular fungicide; 80% sulphur.

Registered Use - Control of *Entomosporium* leaf and berry spot.

Timing Of Application - Apply first at flower bud break and at 10 to 14 day intervals while risk of disease persists.

Application Rate & Guidelines - 6.5 kg/ha in 1000 L water/ha.

Restrictions - Kumulus DF should not be applied: a) later than 1 day before harvest; b) if temperature is greater than 27°C and humidity is high; c) under intense sunshine; d) if rain or frost are expected; or e) during flowering.

Points To Note - Applications made after the onset of disease symptoms are less effective. Application rates and restrictions must be carefully followed otherwise symptoms of toxicity may appear. These include a bronze discoloration of the leaves and possible defoliation of the plant. Such toxic effects do not appear to have long-term effects on the plants. Kumulus DF is also an acaricide (miticide).

Guidelines To The Use Of Nova 40W

Manufacturer - Rohm and Haas Canada Inc.

Trade Names - Nova 40W.

Formulation - Water-soluble fungicide; 40% myclobutanil.

Registered Use - Control of powdery mildew.

Timing Of Application - Apply at flowering and subsequently twice at 2 week intervals.

Application Rate & Guidelines - 113 g per 100 L water per ha. Ensure thorough wetting of plants.

Restrictions - Nova 40W can be applied a maximum of 3 times during the growing season and cannot be applied within 14 days of harvest.

Guidelines To The Use Of Funginex 190EC

Manufacturer - Cyanamid.

Trade Names - Funginex 190 EC.

Formulation - Systemic fungicide; emulsifiable concentrate; 19% triforine.

Registered Use - Control of *Entomosporium* leaf and berry spot, saskatoon-juniper rust.

Timing Of Application - Only a single application can be made during the period of flower bud break to the white tip stage.

Application Rate & Guidelines - 3 L/ha where row spacing is twice the height of the plants; use 1000 L of water per ha (sufficient water to ensure thorough wetting of plants).

Restrictions - Funginex 190 EC cannot be applied within 60 days of harvest.

Points To Note - Saskatoon leaves are only partially expanded during the period when Funginex 190 EC can be applied. Consequently, uptake of this systemic fungicide may be limited. This is why efficacy may be poor when disease pressure is high.

Funginex 190 EC is registered for control of mummyberry (brown fruit rot) in blueberry, cranberry, peach, cherry, plum and prune, for control of powdery mildew in roses, non-bearing apples, and other ornamentals, and for control of black spot in

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