

Evaluation Report for Category B, Subcategory 3.11, 3.12 Application

Application Number: 2020-4936
Application: Changes to Product Labels; New Site/Pests
Product: Milstop Foliar Fungicide
Registration Number: 28095
Active ingredients (a.i.): Potassium Bicarbonate
PMRA Document Number: 3277374

Purpose of Application

The purpose of this application was to amend the label of Milstop Foliar Fungicide to include use on field- and greenhouse-grown radishes for the suppression of powdery mildew and on field-grown grapes for the suppression of *Botrytis* grey mould.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Potential exposure to potassium bicarbonate may occur by applying the end-use product or entering treated sites. PMRA considers two key factors when assessing health risks: the levels at which no health effects occur and the levels to which people may be exposed.

MilStop Foliar Fungicide is of low acute oral, dermal, and inhalation toxicity, is moderately irritating to the skin, and mildly irritating to the eyes, but is not a dermal sensitizer.

Occupational exposure to individuals handling MilStop Foliar Fungicide is not expected to result in unacceptable risk when the product is used according to label directions. Precautionary and hygiene statements on the product label aimed at mitigating worker exposure are considered adequate to protect individuals from any unnecessary risk due to occupational exposure.

Bystander exposure is expected to result in acceptable risk when the product is used according to label directions.

Health risks to individuals in residential areas are considered acceptable when the product is used according to label directions.

Maximum Residue Limit (MRL)

As part of the assessment process prior to the registration of a pesticide, Health Canada must determine that the consumption of the maximum amount of residues that are expected to remain on food products when a pesticide is used according to label directions will not be a concern to human health. This maximum amount of residues expected is then legally specified as a MRL under the *Pest Control Products Act* for the purposes of adulteration provision of the *Food and Drugs Act*. Health Canada specifies science-based MRLs to ensure the food Canadians eat is safe.

The use for MilStop Foliar Fungicide on greenhouse and field grown radishes will not result in an increase in dietary risks from food or drinking water. Consequently, the specification of an MRL for potassium bicarbonate under the PCPA is not required.

Environmental Assessment

The registration amendment of MilStop Foliar Fungicide to include use on field- and greenhouse-grown radishes for the suppression of powdery mildew and on field-grown grapes for the suppression of *Botrytis* grey mould is acceptable from the perspective of environmental risk when used in accordance with label directions.

Value Assessment

Value information consisted of reports of field trials in which the efficacy of Milstop Foliar Fungicide was evaluated against grey mould on grape as well as a rationale in support of a claim against powdery mildew on field and greenhouse radishes. Based on the results of the efficacy trials, Milstop Foliar Fungicide can be expected to suppress grey mould on grapes. Based on extrapolation of previously registered claims against powdery mildew on a variety of field and greenhouse crops, Milstop Foliar Fungicide can be expected to suppress powdery mildew on field and greenhouse radishes. The addition of these claims to the label of Milstop Foliar Fungicide will provide growers with an alternative non-conventional product for use to manage grey mould on grapes and powdery mildew on radishes.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to amend the label of Milstop Foliar Fungicide to include use on field- and greenhouse-grown radishes for the suppression of powdery mildew and on field-grown grapes for the suppression of *Botrytis* grey mould.

References

PMRA

Document

Number	Reference
3165218	2020, Summary of Value for Label Amendments for MilStop Foliar Fungicide, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.3(D),10.3.2,10.3.3,10.4,10.5.1,10.5.2,10.5.3,10.5.4,10.5.5
3165222	2009, 2009 Efficacy Trial for MilStop for Botrytis on Riesling, DACO: 10.2.3.3(D)
3165223	2010, 2010 Efficacy Trial for MilStop for Botrytis on Riesling, DACO: 10.2.3.3(D)
3165224	2011, 2011 Efficacy Trial for MilStop for Botrytis on Riesling, DACO: 10.2.3.3(D)
3165225	2012, 2012 Efficacy Trial for MilStop for Botrytis on Riesling, DACO: 10.2.3.3(D) 2012, 2012 Efficacy Trial for MilStop for Botrytis on Pinot Noir, DACO:
3165226	10.2.3.3(D) 2014, 2014 Efficacy Trial for MilStop for Botrytis on Pinot Noir, DACO:
3165227	10.2.3.3(D)

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