



New Pests

Evaluation Report for Category B Subcategory 3.11 Application

Application Number: 2021-0734
Application: New or Changes to Product Labels-New Pests
Product: A20259 Fungicide
Registration Number: 33020
Active ingredients (a.i.): Pydiflumetofen 75 g/L, Difenconazole, 125 g/L
PMRA Document Number: 3242217

Background

A20259 Fungicide, first registered on May 24, 2018, is a broad spectrum, preventative fungicide registered for use on multiple crops in the field, including Root Vegetables (Crop Subgroup 1A), some Fruiting Vegetables and Stone Fruits (Crop Group 12-09) at an application rate of 1.0 L of product/ha (200 g ai/ha) and application interval of 7-14 days. For specific details of uses, application rates, methods, precautions, restrictions and personal protective equipment requirements refer to the product label.

Purpose of Application

The purpose of this application was to register claims to control species of powdery mildew on Peaches (Crop Subgroup 12-09B) and Cherries (Crop Subgroup 12-09A), to control septoria leaf spot (*Septoria lycopersici*) on tomato, to suppress botrytis blight (*Botrytis cinerea*) on ginseng and to suppress cercospora leaf blight (*Cercospora carota*) on carrot when A20259 Fungicide is applied at a rate of 1.0 L product/ha (200 g ai/ha) with an application interval of 7-14 days using ground equipment on carrot, ginseng and tomato and airblast equipment on peaches and cherries.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environment assessments were not required since the use pattern remained unchanged.

Value Assessment

The results of field efficacy trials and scientific rationales were submitted to support disease management claims on carrot, ginseng, and tomato crops and the Peaches and Cherries Crop Subgroups (12-09A and 12-09B) for A20259 Fungicide. On average, trials showed that cercospora leaf blight disease severity was suppressed by 73% on carrots treated with A20259 compared to untreated controls. A20259 Fungicide reduced powdery mildew disease severity on peach and cherry leaves and peach fruit by over 80% compared to untreated controls. A20259

Fungicide applied near the proposed application rate of 1.0 L/ha in trials reduced septoria leaf spot disease severity on tomato by 77-92% compared to untreated controls. Efficacy of the registered use of A20259 Fungicide to suppress botrytis blight on potato was extrapolated to ginseng based on similarities between the progression of botrytis blight disease on these crops and the non-host specific nature of this pathogen.

Registration of these claims will expand the spectrum of diseases managed by A20259 Fungicide on carrot, ginseng, tomato, peaches and cherries to include several common diseases that reduce the yield and quality of these crops.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support claims to control powdery mildew on peaches and cherries and septoria leaf spot on tomato and to suppress botrytis blight on ginseng and cercospora leaf blight on carrot.

References

PMRA #	Reference
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2570547	2014, LEA14-04 - A19649B - 200SC, Efficacy and crop safety registration trials against Botrytis and Sclerotinia in lettuce, DACO: 10.1
2570548	2014, LEA14-06 - A19649B - 200SC, Efficacy and crop safety registration trials against Botrytis and Sclerotinia in lettuce (Field), DACO: 10.1
2570560	2014, LEA14-02 - A19649B - 200SC, Efficacy and crop safety registration trials against Botrytis in lettuce (Field), DACO: 10.1
3203245	2021, Value Summary for A20259 Fungicide to add Ginseng, Tomato, Stone Fruits and Carrot, DACO: 10.1
3203247	2017, APN+DFZ vs septoria em tomate - caracterização, DACO: 10.2.3.3
3203248	2016, F733 E 32016BR_CP_Efficacy Trials_Tomato_Fusha+DFZ_Season 2015/16_Field, DACO: 10.2.3.3
3203249	2016, F733 E 32016BR_CP_Efficacy Trials_Tomato_Fusha+DFZ_Season 2015/16_Field, DACO: 10.2.3.3
3203250	2019, Evaluation of fungicides for control of foliar blights of carrots, 2019., DACO: 10.2.3.3
3203251	2019, Evaluate Aprovia for control of Cercospora and Alternaria leaf blight in carrot, DACO: 10.2.3.3
3203252	2019, Evaluate Aprovia for control of Cercospora and Alternaria leaf blight in carrot, DACO: 10.2.3.3
3203253	2020, Development trials for the profiling of MIRAVIS Duo (A20259G) against Powdery mildew (<i>Podosphaera pannosa</i>) on Stone fruits., DACO: 10.2.3.3
3203254	2020, Development trials for the profiling of MIRAVIS Duo (A20259G) against Powdery mildew (<i>Podosphaera pannosa</i>) on Stone fruits., DACO: 10.2.3.3
3203255	2020, Development trials for the profiling of MIRAVIS Duo (A20259G) against Powdery mildew (<i>Podosphaera pannosa</i>) on Stone fruits., DACO: 10.2.3.3
3203256	2017, Efficacy of fungicide applications for management of powdery mildew of Bing sweet cherries in San Joaquin County, DACO: 10.2.3.3

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