

Evaluation Report for Category B, Subcategory 3.4, 3.5, 3.6, 3.12 Application

Application Number: 2018-4779
Application: Changes to product label; new site, application method and rotational crops/plantback interval, and pre-harvest instructions
Product: A20560 Fungicide
Registration Number: 33021
Active ingredients (a.i.): Pydiflumetofen and fludioxonil
PMRA Document Number: 3094495

Purpose of Application

The purpose of this application was to add use of A20560 Fungicide on onions, shallots, bushberries and small fruit and berries.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicological assessment was not required for this application.

The occupational exposure and risk from the additional uses on onions, shallots, bushberries, and small fruits and berries to the A20560 Fungicide label was assessed. No risks of concern are expected from the new uses, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

Residue data from field trials conducted in Canada and the United States were submitted to support the domestic use of A20560 Fungicide on bulb vegetables (CG 3-07), bushberries (CSG 13-07B) and low growing berries (CSG 13-07G). Pydiflumetofen was applied to dry bulb onions, green onions, blueberries and strawberries at exaggerated rates, and harvested according to label directions.

Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for pydiflumetofen was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of pydiflumetofen in/on crops are proposed as shown in Table 1.

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limits (MRLs)

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT		
Dry bulb onion	Foliar broadcast/ 372-384	6-10	<0.010	0.121	None	0.2 (CSG 3-07A)
Green onion	Foliar broadcast/ 370-381	7	0.276	1.070		2.0 (CSG 3-07B)
Highbush blueberry	Foliar broadcast/ 297-320	0	0.405	3.550		5.0 (CSG 13-07B)
Strawberry	Foliar broadcast/ 292-312	0-3	0.082	0.557		1.0 (CSG 13-07G, except lowbush blueberries)

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of pydiflumetofen. Residues in these crop commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The addition of SubGroups 3-07 (bulb vegetables), 13-07B (bushberries) and 13-07G (low growing berries) to the product label for A20560 Fungicide is not expected to result in increased environmental risk. Therefore, the risks associated with the use of A20560 are acceptable from the environmental viewpoint when label directions are followed.

Value Assessment

The applicant submitted the results of thirty-six field efficacy trials, scientific rationales and extrapolations from similar products to support the addition of a suite of disease control claims on field crops to the A20560 Fungicide label. Evaluation of this information demonstrated that A20560 Fungicide, when applied as a foliar application, controls or suppresses certain fungal diseases on bulb onions, bulb shallots, bushberries (CG 13-07B) and berries and small fruits (Crop Subgroup 13-07G, except cranberry) and, therefore, has value.

A20560 Fungicide is a broad spectrum fungicide shown to be effective against several agriculturally-relevant plant diseases. Registration of these new uses on the A20560 Fungicide label will provide growers of these crops with an additional tool for disease management.

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 A20560 Fungicide to add use on onions, shallots, bushberries and small fruit and berries.

References

PMRA

Document

Number	Reference
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2922456	2015, AAFC15-070E-212 Final report Tolerance to, and efficacy of FTH 545 against grey mold <i>Botrytis cinerea</i> in strawberry., DACO: 10.2.3.3
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2922466	2017, ONI17-02 - Efficacy Trials To Support A9219B PR in botrytis on onion - 2017, DACO: 10.2.3.3
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2922474	2014, ZA320F0012014 - Stage 3: Fusha: Efficacy and crop safety of SYN545974 against grey mould in strawberries, DACO: 10.2.3.3
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2922477 2017, ONI17-03 - Efficacy Trials To Support A9219B PR in botrytis on onion -
2017, DACO: 10.2.3.3
2924343 2018, A20259 - Data Summary, DACO: 10.2.3.1,10.3.2

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