

Evaluation Report for Category B, Subcategory 3.11 and 3.12 Application

Application Number: 2008-2271
Application: B.3.11-Changes to Product Labels-New Pests
B.3.12-Changes to Product Labels-New Site
Product: Astound Fungicide
Registration Number: 29648
Active ingredients (a.i.): Cyprodinil (CYP)
Fludioxonil (FLD)
PMRA Document Number : 2036752

Purpose of Application

The purpose of this application was to add a new crop (canola) and pest claim (*Sclerotinia sclerotiorum*) to the label for the currently registered product (formerly known as Switch 62.5 Fungicide, Registration Number 28189), add aerial application as a method of application and add a tank-mix with Matador 120EC (Registration Number 24984) to control labelled insects.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

To support the addition of canola, the tank-mix partner Matador 120EC and the aerial application method to the registered label of Switch 62.5 WG Fungicide, new residue data on canola were submitted. Following the review of all available data, Maximum Residue Limit (MRL) of 0.02 ppm for cyprodinil in/on rapeseed (canola) is being proposed. Residues of fludioxonil in/on rapeseed (canola) will be covered under established MRL of 0.01 ppm. Residues of cyprodinil and fludioxonil in/on rapeseed (canola) at the recommended MRL and the established MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Maximum Residue Limit(s)

No quantifiable residues of cyprodinil are anticipated in canola matrices. Based on the analytical method Limit of Quantification (LOQ) for determination cyprodinil in rapeseed (canola), the MRL of 0.02 ppm for cyprodinil in canola seed will be established.

TABLE 1. Summary of Field Trial Data for Cyprodinil Used to Establish Maximum Residue Limit (MRL)							
Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL (ppm)
			Min	Max			
Rapeseed	Broadcast applications/ 370	35	<0.02	0.021	n/a	None	0.02

TABLE 2. Summary of Field Trial Data for Fludioxonil in Rapeseed (canola)							
Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL (ppm)
			Min	Max			
Rapeseed	Broadcast applications/ 240	35	<0.01	<0.01	n/a	0.01	n/a

Following the review of all available data, an MRL of 0.02 ppm for rapeseed (canola) is recommended to cover residues of cyprodinil. Residues of cyprodinil in this commodity at the established MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The established MRL of 0.01 ppm for rapeseed (canola) is adequate to cover residues of fludioxonil. Residues of fludioxonil in this commodity at the established MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use of Astound Fungicide on canola is of minimal concern to terrestrial invertebrates, birds, mammals and terrestrial vascular plants. However, this use may pose a risk to non-target aquatic organisms. The product label was therefore amended to include appropriate buffer zones to mitigate the risk to non-target aquatic organisms from spray drift.

Value Assessment

An initial review of the submitted data showed that the applicant did not address value-related

issues. A deficiency note was sent at Level C. The applicant submitted two more trials on ornamentals demonstrating that a mixture of the two active ingredients provided a higher level of control of *S. sclerotiorum* than either active applied alone. A rationale was also included to support aerial application. Efficacy trials conducted on canola demonstrated acceptable control of sclerotinia stem rot on canola at the proposed rates. The claim of control of sclerotinia stem rot on canola at a rate of 775 – 975 g Astound Fungicide/ha is supported. The claim for aerial application is supported on the condition that more data is submitted by the applicant.

The rates of application requested for the tank-mix are the same as those currently registered for Matador 120EC or supported for Astound Fungicide. The number of applications, pre-harvest interval and the use of both ground and aerial application equipment all fall within the current or supported use patterns for both products. The addition of the tank-mix with Matador 120EC will broaden the pest spectrum and is supported as proposed.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Astound Fungicide, and has found the information sufficient to add a new crop (canola) and pest claim (*S. sclerotiorum*) to the label, add aerial application as a method of application, add a tank-mix with Matador 120EC Insecticide (Reg. No.24984) and change the name of the product.

References

PMRA Number Title

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| 1732628 | 2009, Fludioxonil/Cyprodonil WG (A9219B) - Residue Levels on Canola Seed and Processed Fraction, Meal and Refined Oil, From trials conducted with SWITCH 62.5 WG in Canada During 2007 - Amendment 1, DACO: 7.3,7.4.1 |
| 1732631 | 2009, 9.8.4-1 - Waiver - ASTOUND - Response to deficiency, DACO: 9.8.4 |
| 1732632 | 1989, Non-target phytotoxicity test seedling emergence tier 2, DACO: 9.8.4 |
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