

Evaluation Report for Category B, Subcategory 3.11, 3.2 Application

Application Number: 2016-1754
Application: B.3.11: New Pests
 B.3.2: Application Timing
Product: Tilt 250E Fungicide
Registration Number: 19346
Active ingredients (a.i.): Propiconazole
PMRA Document Number : 2782312

Purpose of Application

The purpose of this application was to add a new disease, fusarium head blight, and change the application timing for wheat, barley and oats for Tilt 250 E Fungicide.

Chemistry Assessment

Chemistry assessment was not required for this application.

Health Assessments

Residue data from field trials in Canada and the United States for propiconazole in barley, oats, and wheat were submitted to support the change in application timing of this active on the TILT 250E Fungicide label for these crops. Propiconazole was applied to barley, oats, and wheat, and harvested according to label directions. In addition, a processing study in treated wheat was reviewed to determine the potential for concentration of residues of propiconazole into processed commodities.

Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for propiconazole was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of propiconazole in/on crops and processed commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

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)	Propiconazole Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAF T	HAF T			

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limits (MRLs)							
Commodity	Application Method/ Total Application	PHI (days)	Propiconazole Residues (ppm)		Experimental Processing	Currently Established	Recommended MRL
Barley grain	Foliar application / 248-257	16-49	<0.01	1.12	1.6X for bran and germ; 0.3X for flour	0.05	3.0
Oat grain	Foliar application / 245-261	25-48	<0.01	0.37		0.05	3.0
Wheat grain	Foliar application / 240-259	24-64	<0.01	0.12		0.05	0.3

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 propiconazole. 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 changes on the Tilt 250E Fungicide label are not expected to increase environmental risks when compared to the currently registered uses for this product.

Value Assessment

A scientific rationale and use history information were provided in support of the proposed claim. Fusarium head blight (FHB) is a major disease causing yield losses and mycotoxin contamination on cereals around the world. Tilt, containing propiconazole, has been registered for suppression of FHB since 1990s in the United States. Propiconazole has also been recognized and widely used as one of the DMI (demethylation inhibitors) fungicides that provides FHB suppression worldwide. The efficacy of propiconazole against FHB has been well established. The registration of Tilt on wheat, barley and oats will provide Canadian growers the same tool to manage FHB as in the United States.

Based on the value information provided, the addition of the use of Tilt 250 E Fungicide for suppression of fusarium head blight and an adjustment of application timing on wheat, barley and oats is fully supported.

Conclusion

The PMRA has reviewed the information provided in support of this application. Based on the results of this review, the additional of the new diseases and change in application timing is acceptable.

References

2625020 2016, Value Summary, DACO: 10.1

2625021 2016, Use History, DACO: 10.2.4

2625016	Propiconazole EC (A6097AC) & Azoxystrobin/Propiconazole SE (A15909C) Magnitude of the Residues in or on Wheat Canada 2014
2625017	Azoxystrobin/Propiconazole SE (A15909C) - Magnitude of the Residues in or on Wheat
2625018	Azoxystrobin/Propiconazole SE (A15909C) - Magnitude of the Residues in or on Oats
2625019	Azoxystrobin/Propiconazole SE (A15909C) - Magnitude of the Residues in or on Barley

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