

Evaluation Report for Category B, Subcategory 3.10, 3.11 and 3.12 Application

Application Number: 2007-8779
Application: Changes to product label: new pests, new site/host and new tank mixes.
Product: Folicur 432 F Foliar Fungicide
Registration Number: 25940
Active ingredients (a.i.): Tebuconazole
PMRA Document Number : 1928675

Purpose of Application

The purpose of this application is to add to the Folicur 432 F Foliar Fungicide label the host crops barley, oats and soybeans, to add tank mixes with Puma 120 Super and Refine Extra for use on barley, and to add the new pest Asian soybean rust for soybeans.

Chemistry Assessment

A chemistry assessment was not required for this assessment.

Health Assessments

A toxicology assessment was not required for this application.

The proposed new use of Folicur 432F Foliar Fungicide should not result in unacceptable exposure to the active ingredient, tebuconazole. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Residue data for tebuconazole in barley, oats and soybean were submitted to support the use expansion of this active on the Folicur 432F Foliar Fungicide label.

Based on the maximum residues observed in barley, oats and soybean treated according to label directions, maximum residue limits (MRLs) to cover residues of tebuconazole in/on crops will be established as shown in Table 1. Residues of tebuconazole in processed commodities not listed in Table 1 are covered under established MRLs for the raw agricultural commodities (RACs).

TABLE 1. Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limit(s) (MRLs)

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			Min	Max			
Barley	Foliar application/125	30-39	<0.01	0.12	--	0.01*	0.15
Oats	Foliar application/94	35-82	<0.01	0.14	--	0.01*	0.15
Soybean	Foliar application/126	19-21	<0.01	0.05	No concentration observed in soybean processed fractions	none	0.08

*The current MRL on barley and oats is established for seed treatment use of tebuconazole.

Following the review of all available data, MRLs for barley, oats and soybean are recommended to cover residues of tebuconazole. Residues of tebuconazole in these crop commodities at the established MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The proposed rates for the use of Folicur 432 F Foliar Fungicide on barley, oats and soybeans are equal to the current registered rate for use on wheat. The proposed tank mix rates match those found on the tank mix partners product labels. The EAD therefore does not anticipate that the risk to terrestrial and aquatic non-target organisms will increase as a result of the addition of the new host crops and the new tank mix partners to the Folicur 432 F Foliar Fungicide product label.

Value Assessment

A total of 66 efficacy trials conducted between 1991 and 2006 were submitted in support of the disease claims. Only one application per crop season is permitted for all of the proposed and registered uses. Barley disease claims were supported by 45 trials conducted in northern US states. Five trials from Ontario and Manitoba were submitted in support of the disease claims in oats. The 16 trials submitted to support soybean claims were conducted in Ontario, Florida and Brazil. The Asian soybean rust trials were conducted outside of Canada. Only two trials in total were not accepted because of extremely low disease pressure. All of the requested claims are fully supported as proposed. The proposed tank mix with the herbicides Puma 120 Super and Refine Extra was also supported by submitted efficacy data and extrapolation from its previous registration on wheat.

Conclusion

The PMRA has completed an assessment of available information for Folicur 432 F Foliar Fungicide and has found the information sufficient to support the amendments to the product label. Maximum residue limits (MRLs) to cover residues of tebuconazole in/on barley, oats and soybean are established (see Table 1).

References

PMRA Document Number	Reference
1521840	2007. Folicur 432F foliar fungicide - Control of foliar disease in oats. DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3,10.3.1,10.3.2
1521841	2007. Folicur 432 F foliar fungicide for control of leaf diseases in barley. DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3,10.3.1
1521842	2007. Stratego 250 EC fungicide (125 g/L trifloxystrobin and 125 g/L of propiconazole) and Folicur 432F fungicide (432 g/L tebuconazole) for control of diseases in soybean. DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3,10.3.1,10.3.2
1521875	2005, Addendum 1: An additional field trial - Folicur 3.6 F - Magnitude of the residue in/on soybeans, DACO: 7.4.1,7.4.2,7.4.6
1521876	2007, Determination of fungicide residues in barley forage or silage, grain and straw following treatment with tebuconazole in Canada, 2003, DACO: 7.4.1, 7.4.2, 7.4.6
1521879	2006, AE F069623 F - Magnitude of the residue in/on oats, DACO: 7.4.1, 7.4.2, 7.4.6
1521880	2007, Folicur 432F - Magnitude of the residue in/on soybeans, DACO: 7.4.1, 7.4.2, 7.4.6
1769685	2008, Magnitude of Residues In/On Soybean Treated with a Single Application of Folicur 250EW or Folicur 432SC with a 20 day PHI for Seed, DACO: 7.4.1
1769686	2009, Tebuconazole and Prothioconazole - Magnitude of Residues In/On Barley, DACO: 7.4.1

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