

Evaluation Report for Category B, Subcategory 3.11 and 3.12 Application

Application Number: 2007-8781
Application: Changes to product label – New pests, host and/or site.
Product: Stratego 250EC Fungicide
Registration Number: 27528
Active ingredients (a.i.): Propiconazole and Trifloxystrobin
PMRA Document Number : 1930397

Purpose of Application

The purpose of this application is to amend the Stratego 250EC Fungicide label by adding the host crop soybeans and the pests Asian soybean rust and frogeye leaf spot.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

The new use of Stratego 250EC Fungicide should not result in unacceptable exposure to the active ingredients, propiconazole and trifloxystrobin. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Residue data for propiconazole and trifloxystrobin in soybean were submitted to support the use expansion of Stratego 250EC Fungicide to soybean.

Based on the maximum residues observed in soybean treated according to label directions, maximum residue limits (MRLs) to cover residues of propiconazole and trifloxystrobin in/on soybean will be established as shown in Table 1. Residues 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	Recommended MRL
			Min	Max			
Propiconazole							
Soybean	Foliar application/ 125-136.5	19-24	<0.05	0.27	No concentration observed in soybean processed fractions	none	0.25
Trifloxystrobin							
Soybean	Foliar application/ 125-136.5	19-24	<0.02	0.06	No concentration observed in soybean processed fractions	none	0.08

Following the review of all available data, MRLs for soybean are recommended to cover residues of propiconazole and trifloxystrobin. Residues in the soybean 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 maximum application rate for soybean is equal to that of the current registered label for use on wheat. The PMRA 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 crop to the Stratego 250EC Fungicide product label.

Value Assessment

Twenty efficacy trials conducted between 2004 and 2006 were submitted. The proposed rate for foliar applications on soybean was 500 mL/ha (125 g a.i./ha). Up to two applications per season are permitted. Five frogeye leaf spot trials were conducted in Canada. Eleven Asian soybean rust trials were conducted in Brazil. Stratego 250EC Fungicide provided control equivalent or superior to the registered commercial standards. Submitted data supported all of the efficacy claims.

Conclusion

The PMRA has completed an assessment of available information for Stratego 250EC Fungicide and has found the information sufficient to support the amendments to the product label. Maximum residue limits (MRLs) to cover residues of propiconazole and trifloxystrobin in/on soybean are established (see Table 1).

References

PMRA Document Number	Reference
1725611	2008. Stratego 250 EC Fungicide, Sub. No. 2007-8781, DACO 10.2.3, Bayer CropScience response to PMRA's questions regarding data to support claim for frogeye leaf spot in soybean. DACO: 10.2.3.3
1521902	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: 10.1,10.2.3.1,10.2.3.3,10.3.1,10.3.2
1521904	2007. Excel summary table for STRATEGO efficacy trials on Asian soybean rust and frogeye leaf spot. DACO: 10.1,10.2.3.1
1521905	2007. Excel summary table for STRATEGO adverse effects trials on soybean. DACO: 10.1,10.3.1
1521899	2005, Stratego 250 EC - Magnitude of the residue in/on soybean aspirated grain fractions and soybean processed commodities, DACO: 7.4.5
1521900	2005, Stratego 250 EC - Magnitude of the residue in/on soybeans, DACO: 7.4.1,7.4.2
1521901	2007, Stratego 250EC - Magnitude of the residue in/on soybeans, DACO: 7.4.1,7.4.2

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