

Evaluation Report for Category B, Subcategory B.3.11, B.3.12, B.3.2 Application

Application Number: 2012-2488
Application: Changes to product label – new pest / site and application timing
Product: Allegro 500F Agricultural Fungicide
Registration Number: 27517
Active ingredients (a.i.): Fluazinam [FLZ]
PMRA Document Number: **2227419**

Purpose of Application

The purpose of this application was to expand the use of Allegro 500 F Agricultural Fungicide (Registration Number 27517), containing fluazinam, to control white mold (*Sclerotinia sclerotiorum*) on soybean.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicological assessment was not required for this application.

The addition of the use on soybeans to the end-use product Allegro 500F Agricultural Fungicide should not result in potential occupational or bystander exposure over the previously registered use of fluazinam. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

Residue data for fluazinam in soybeans were submitted to support the registration of Allegro 500F Agricultural Fungicide (containing 500 g fluazinam/L) in this crop as a foliar application to control white mold. In addition, processing data in treated soybean seed was provided and assessed to determine the potential for concentration of residues of fluazinam into processed commodities.

Maximum Residue Limits (MRL)

All fluazinam residues in soybean seed samples from the crop field trials were less than the limit of quantitation (LOQ; 0.01 ppm) when treated according to label directions, as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the recommended MRL for the raw agricultural commodity (RAC).

TABLE 1. Summary of Field Trial and Processing Data Used to Establish the Maximum Residue Limits (MRLs).							
Commodity	Application Method/Total Application Rate (kg a.i./ha)	PHI (days)	Fluazinam (ppm)		Experimental Processing Factor	Currently established MRLs	Recommended MRLs (ppm)
			Min	Max			
Soybeans	Foliar/ 1.11 – 1.31	56-94	<0.01	<0.01	Residues of fluazinam did not concentrate in refined soybean oil	None	0.01

An MRL of 0.01 ppm is recommended to cover residues of fluazinam in/on dry soybeans. Residues of fluazinam 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 risk to the environment is not expected to increase from the use of Allegro 500F on soybeans to control white mold as the rates are similar to the currently registered uses. Environmental concerns are mitigated by label statements.

Value Assessment

Allegro 500 F Agricultural Fungicide was already registered for control of white mold on the dry shelled bean crop group. Six trials were submitted in support of the claim for use on soybean, which is used at a slightly higher rate than the general dry bean claim. The trials were all deemed to be supportive of the use pattern as the previously registered lower rate demonstrated inferior disease reduction on soybean. The potential for yield benefit was also demonstrated in some trials where up to a 17% increase was observed between the rate for soybean and the previous rate registered for dry beans. The value of the use for fluazinam is deemed to have been supported.

Conclusion

Following review of the application, the label expansion of Allegro 500 F Agricultural Fungicide to control white mold (*Sclerotinia sclerotiorum*) on soybeans was approved and an MRL of 0.01 ppm is recommended to cover residues of fluazinam in/on dry soybeans.

References

PMRA

Document

2206897

Reference

2011, Magnitude of Residues of Fluazinam on Soybeans - USA & Canada in 2010, DACO: 7.1,7.2.1,7.3,7.4.1,7.4.2,7.4.5

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