Evaluation Report for Category C, Subcategory C.3.10 Application

Application Number: 2009-1381
Application: Category C, Subcategory C.3.10 [New or Changes to Product Labels – Tank Mixes]
Product: Trilex FS Seed Treatment Fungicide
Registration Number: 29161
Active ingredients (a.i.): Trifloxystrobin [TFY]
PMRA Document Number: 1783364

Background

Trilex FS Seed Treatment Fungicide contains 240g/L trifloxystrobin, a group 11 fungicide. Trilex FS is currently registered to provide seed and seedling protection against seed rot/pre-emergence damping-off and post-emergence damping-off caused by *Rhizoctonia solani*, *Fusarium* spp. and seed-borne *Phomopsis longicolla* on various crops, including legumes (bean, chickpea, lentil, pea and soybean). The currently registered rate for legumes is 21 mL product per 100 kg seed.

Purpose of Application

The purpose of this application is to add a tank mix of Trilex FS Seed Treatment Fungicide (containing 240 g/L trifloxystrobin) and Allegiance FL Seed Treatment Fungicide (Reg. No. 26674, containing 317 g/L metalaxyl) to the label of Trilex FS for control of the labelled diseases on bean, chickpea, lentil, pea and soybean. It is proposed that both fungicides be applied at the currently registered rates.

Chemistry, Health, and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the use pattern, including host crop, application rates and timings, of the component product remained unchanged.

Value Assessment

A scientific rationale was provided to support the claim based on previously submitted efficacy data included in submissions No. 2005-2192 (Trilex FS Seed Treatment Fungicide), No. 2005-2191 and No. 2009-0317 (Trilex AL Concentrate Seed Treatment Fungicide). In previously submitted data, 13 trials showed that a trifloxystrobin + metalaxyl tank mixture was efficacious against soil-borne *Fusarium* spp., soil-borne *Rhizoctonia solani*, and seed-borne *Phomopsis* spp. The data showed that the performance of the trifloxystrobin + metalaxyl tank mixture was comparable to that of Trilex AL (trifloxystrobin + metalaxyl) which has these diseases listed on its label. The data showed that no negative effects of the tank mix treatments. There was no phytotoxicity reported in the submitted trials. The proposed tank mixtures do not present changes in the approved crops, target diseases, application rates or methods of application for both Trilex FS and Allegiance FL Seed Treatment Fungicide. Based on the rationale and efficacy data provided in previous submissions, the claim is fully supported.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Trilex FS Seed Treatment Fungicide to include tank mixes with Allegiance FL Seed Treatment Fungicide for control of the labelled diseases on bean, chickpea, lentil, pea and soybean.

References

PMRA #1745418, 2009, Trilex FS Seed Treatment Fungicide - Data to Support Tank-mixtures with Allegiance FL and Stress Shield - PART 10 EFFICACY/VALUE.

ISSN: 1911-8082