

DuPont Lumiderm Insecticide Seed Treatment Evaluation Report for Category B, Subcategory B.3.10 Application

Application Number: 2015-2146
Application: Category B, Subcategory B.3.10 (addition of a tank mix)
Product: DuPont Lumiderm Insecticide Seed Treatment
Registration Number: 30894
Active ingredient (a.i.): cyantraniliprole (CYT)
PMRA Document Number : 2544247

Background

DuPont Lumiderm Insecticide Seed Treatment (Reg. No. 30894, 625 g cyantraniliprole/L) has been registered since August 2013. It is registered for use on canola, rapeseed and oilseed mustard against flea beetles at 960-1600 mL product/100 kg seed and cutworms at 480-960 mL product/100 kg seed.

Purpose of Application

The purpose of this application is to add a new tank mix to the DuPont Lumiderm Insecticide Seed Treatment label. The new tank mix partner is Helix Vibrance Seed Treatment (Reg. No. 31454, 269 g thiamethoxam/L, 16 g difenoconazole/L, 5 g metalaxyl-M and S-isomer/L, 3.4 g sedaxane/L, 1.7 g fludioxonil/L). Helix Vibrance Seed Treatment is registered for use on canola, rapeseed and mustard seed (condiment and oilseed) against flea beetles and various fungal diseases at 1.5 L product/100 kg seed. The application rate of DuPont Lumiderm Insecticide Seed Treatment when tank mixed with Helix Vibrance Seed Treatment is 640 mL product/100 kg seed. The tank mix will broaden the pest spectrum.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required because there was no change to the product chemistry. Health and environmental assessments were not required because the use pattern, including host crops, timings and maximum application rate remained unchanged.

Value Assessment

Support for the tank mix of DuPont Lumiderm Insecticide Seed Treatment with Helix Vibrance Seed Treatment was extrapolated from a registered tank mix. DuPont Lumiderm Insecticide Seed Treatment is registered to be tank mixed at 640 mL product/100 kg seed with Helix Xtra Seed

Treatment at 1.5 L product/100 kg seed on canola, rapeseed and oilseed mustard against flea beetles, cutworms and various seed and seedling diseases. This is the same use pattern as the tank mix of DuPont Lumiderm Insecticide Seed Treatment with Helix Vibrance Seed Treatment. Helix Vibrance Seed Treatment is similar to Helix Xtra Seed Treatment other than the addition of the fungicide active ingredient sedaxane and minor differences in the amounts of the remaining fungicide active ingredients. These differences are not expected to have an impact on efficacy. Both products are registered on the same crops and as such no adverse effects are expected as a result of the tank mix.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of DuPont Lumiderm Insecticide Seed Treatment to include the new tank mix with Helix Vibrance Seed Treatment.

References

PMRA #	Reference
2305284	2013, Tank-mix submission for cyantraniliprole 625 g/L FS with commercial seed treatments Canada

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