

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

Application Number: 2013-2697
Application: Category B, Subcategory B.3.10 (addition of tank mixes)
Product: DuPont Lumiderm Insecticide Seed Treatment
Registration Number: 30894
Active ingredient (a.i.): cyantraniliprole (CYT)
PMRA Document Number: 2343050

Background

DuPont Lumiderm Insecticide Seed Treatment has been registered since 7 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 two tank mixes to the DuPont Lumiderm Insecticide Seed Treatment label, Helix Xtra Seed Treatment (Reg. No. 26638, 20.7% thiamethoxam, 1.25% difenocoazole, 0.39% metalaxyl-M and S- isomer, 0.13% fludioxonil) which is registered for use against flea beetles and various fungal diseases at 1.5 L product/100 kg seed, and Prosper^{EverGol} Seed Treatment (Reg. No. 30363, 290 g clothianidin/L, 10.7 g penflufen/L, 7.15 g trifloxystrobin/L, 7.15 g metalaxyl/L) which is registered for use against flea beetles and various fungal diseases at 1.4 L product/100 kg seed. The application rate of DuPont Lumiderm Insecticide Seed Treatment when tank mixed is 640 mL product/100 kg seed.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required because there was no change to 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

Trials demonstrated that tank mixing of DuPont Lumiderm Insecticide Seed Treatment at 640 mL product/100 kg seed with Helix Xtra Seed Treatment at 1500 mL product/100 kg seed or Prosper^{EverGol} Seed Treatment at 1400 mL product/100 kg seed did not adversely affect treated crops or rotational crops. The tank mixes add control of various soil-borne fungal diseases on canola, rapeseed and oilseed mustard to the DuPont Lumiderm Insecticide Seed Treatment label. No efficacy data related to fungicidal activity of the proposed tank mix were provided. However, because the tank-mix recommendations for DuPont Lumiderm Insecticide Seed Treatment are

compatible with the relevant use directions for the partner products in question, co-applications are not expected to impact the fungicidal efficacy of these seed treatments. Therefore, these tank mixes were supported.

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 tank mixes with Helix Xtra Seed Treatment and Prosper^{EverGol} Seed Treatment.

References

PMRA #	Reference
2305284	2013, Tank-mix submission for cyantraniliprole 625 g/L FS with commercial seed treatments Canada
2305286	2013, Efficacy and crop tolerance summary tables
2329270	2013, Untitled

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