Health Canada Santé Canada

New or Changes to Product Label – New Pests
Evaluation Report for Category B, Subcategory B.3.11 Application

Application Number: 2018-2036
Application: New or Changes to Product Label – New Pests
Product: Lumiderm Insecticide Seed Treatment
Registration Number: 30894
Active ingredient (a.i.): Cyantraniliprole
PMRA Document Number: 2931551

Background

Lumiderm Insecticide Seed Treatment is a commercial class product registered for early season protection from flea beetle damage for 28 to 35 days and early season protection from cutworm feeding damage in canola, rapeseed, and oilseed mustard at application rates of 960-1600 mL per 100 kg seed for flea beetles and 480-960 mL per 100 kg seed for cutworms. It is also registered for a reduction of feeding damage from soybean aphid and bean leaf beetle in soybeans for 28 to 35 days at application rates of 0.075 – 0.200 mg a.i./seed.

Purpose of Application

The purpose of this application was to add claims for reduction of early season feeding damage to soybean from seedcorn maggot, Japanese beetle, European chafer, masked chafers and wireworms at application rates of 0.0375 – 0.125 mg a.i./seed.

Chemistry Assessment

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

Health Assessments

Health assessments were not required because there was no change in the overall use pattern of the product except to add new pest claims.

Environmental Assessment

An environmental assessment was not required because there was no change in the overall use pattern of the product except to add new pest claims.

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Value Assessment

Submitted efficacy data from a total of nine field trials supported the claim of reduction of early season feeding damage to soybean from seedcorn maggot, Japanese beetle, European chafer, masked chafers, and wireworms at application rates of 0.0375 – 0.125 mg a.i./seed.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Lumiderm Insecticide Seed Treatment to include claims for reduction of early season feeding damage to soybean from seedcorn maggot, Japanese beetle, European and masked chafers and wireworms at application rates of 0.0375 – 0.125 mg a.i./seed.

References

2885700 2018, Efficacy biological assessment dossier for DuPont™ Lumiderm™ Insecticide Seed Treatment for control of seedcorn maggot, white grub and wireworm in soybean, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3, 10.3.2, 10.3.3, 10.4, 10.5.1

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