Health Canada Santé Canada

Evaluation Report for Category B, Subcategories 2.1, 2.3, 2.4 Application

Application Number: 2016-7638
Application: New EP Product Chemistry-Guarantee
New EP Product Chemistry-Identity of Formulants
New EP Product Chemistry-Proportion of Formulants
Product: Scorpio Ant and Insect Bait
Registration Number: 33306
Active ingredient (a.i.): Spinosad
PMRA Document Number : 2941276

Purpose of Application

The purpose of this submission was to register a new commercial end-use product containing spinosad, Scorpio Ant and Insect Bait, for use against various insect pests on lawns, turf, listed field and greenhouse crops, outdoor ornamentals, and as a perimeter treatment for structures.

Chemistry Assessment

Scorpio Ant and Insect Bait is formulated as granules containing spinosad at a concentration of 0.07%. The end-use product has a density of 0.69–0.82 kg/L and pH of 5.43. The required chemistry data for Scorpio Ant and Insect Bait have been provided, reviewed and found to be acceptable.

Health Assessments

Scorpio Ant and Insect Bait is of low acute toxicity to rats via the oral and dermal routes of exposure. It is not expected to pose an acute inhalation hazard due to the physical form of the product. It is non-irritating to the eyes and minimally irritating to the skin of rabbits and is not considered to be a potential skin sensitizer based on results of testing, according to the Buehler method, in guinea pigs.

Occupational exposures were estimated for applicators and re-entry workers following the use of Scorpio Ant and Insect Bait. No risks of concern are expected when workers follow the label directions and wear the personal protective equipment identified on the label.

No new residue data for spinosad in various crop commodities were submitted to support the registration of Scorpio Ant and Insect Bait. Previously reviewed residue data from field trials conducted in/on various crops were reassessed in the framework of this petition. In addition, processing studies in various treated crops was also reassessed to determine the potential for concentration of residues of spinosad into processed commodities.

Environmental Assessment

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The use of the active ingredient spinosad in granular baits for use against listed pests is supported from an environmental perspective provided all label directions are followed.

Value Assessment

Three field trials supported the use of Scorpio Ant and Insect Bait to kill ants on lawns, turf, the listed field and greenhouse crops, outdoor ornamentals, and as a perimeter treatment for structures. A field trial supported suppression of spotted wing drosophila on the listed berry and small fruit crops and fruiting vegetable crops. Three field trials supported the soil incorporation or in-furrow applications of Scorpio Ant and Insect Bait to reduce damage caused by wireworms on the listed crops. Two field trials supported control of black cutworm on field crop and outdoor ornamental seedlings and on turf.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of Scorpio Ant and Insect Bait.

References

References provided by the applicant

PMRA Document Number	Reference
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2705844	2009, Ambient (2years, RT) Storage Stability Bug Bait, DACO: 3.5.10 CBI
2875346	2016, Bulk Density of Neudorff Bug Bait, DACO: 0.1.6003
2705858	2016, Binder 2, DACO: 4.1,4.6,4.6.1,4.6.2,4.6.3,4.6.4,4.6.5,4.6.6
2705859	2016, Neudorff Bug Bait: Acute Oral Toxicity, DACO: 4.6.1
2705860	2016, Neudorff Bug Bait: Acute Dermal Toxicity in Rats, DACO: 4.6.2
2705861	2016, Neudorff Bug Bait: Primary Eye Irritation in Rabbits, DACO: 4.6.4
2705862	2016, Neudorff Bug Bait: Primary Skin Irritation in Rabbits, DACO: 4.6.5
2705863	2016, Neudorff Bug Bait: Dermal Sensitization Test in Guinea Pigs - Buehler Method, DACO: 4.6.6
2705865	2016, Binder 3, DACO: 5.1,5.2,5.3,5.4,5.5
2817762	2017, DACO 5.2 Use Description/Scenario, DACO: 5.2
1563641	Exposure of Professional Lawn Care Workers During the Mixing, Loading, and Application of Granular Turf Pesticides Utilizing a Surrogate Compound. OMA001. ORETF. Submission #2006-4038.
1563670	A Generic Evaluation of Homeowner Exposure Associated with Granular Turf Pesticides Handling and Application to Residential Lawns. OMA003 ORETF. Submission #2006-4038.
2115788	Agricultural Reentry Task Force (ARTF). 2008. Data Submitted by the ARTF to Support Revision of Agricultural Transfer Coefficients. Submission #2006-0257.

2705869	2016, DACO 10.2.3.1 Efficacy Summaries, DACO: 10.2.3.1
2705873	2013, Field Evaluation of Neudorff Bug Bait Against the California Harvester Ant, DACO: 10.2.3.3
2705883	2014, Effects of Seduce Insect Bait on *Drosophila suzukii* (Matsumura) (Diptera: Drosophilidae), 2014, DACO: 10.2.3.2
2705888	2016, Second Wireworm Watermelon Trial, DACO: 10.2.3.3
2705890	2015, Efficacy of at-planting and post-emergence application of insecticides for the control of Wireworms in Potatoes, Abingdon, VA, DACO: 10.2.3.3
2706767	2017, Efficacy Summaries, DACO: 10.2.3.1
2806768	2011, CER-2011-050, DACO: 10.2.3.3
2806769	2014, CRC 107-14, DACO: 10.2.3.3
2806771	2010, INS-C-100914, DACO: 10.2.3.3
2806772	2011, INS-C-110915, DACO: 10.2.3.3
2817764	2017, Efficacy Summaries Revised, DACO: 10.2.3.1
2817765	2017, Experiment matched with Formulations Tested, DACO: 10.2.3.1 CBI
2917693	2018, Efficacy Summary for Binder 4 Addendum, DACO: 10.2.3.3

ISSN: 1911-8082