

Evaluation Report for Category B, Subcategories 2.1, 2.3, 2.4, 2.5 Application

Application Number: 2017-8197
Application: New EP Product Chemistry-Guarantee
New EP Product Chemistry-Identity of Formulants
New EP Product Chemistry-Proportion of Formulants
New EP Product Chemistry-Formulation Type
Product: Nexter SC Miticide/Insecticide
Registration Number: 33433
Active ingredient (a.i.): Pyridaben
PMRA Document Number: 2972522

Purpose of Application

The purpose of this application was to register an insecticide end-use product containing pyridaben for control of various listed mite pests on apple, cherry (sweet and tart), nectarine (Ontario only), peach (Ontario only), grape, raspberry (post-harvest application only), strawberry and pear.

Chemistry Assessment

Nexter SC Miticide/Insecticide is formulated as a suspension containing pyridaben at a concentration of 450 g/L. This end-use product has a density of 1.06 g/mL and pH of 6.74. The required chemistry data for Nexter SC Miticide/Insecticide have been provided, reviewed and found to be acceptable.

Health Assessments

Nexter SC Miticide/Insecticide is of moderate acute toxicity by the oral route and of low acute toxicity by the dermal and inhalation routes of exposure to rats. It is mildly irritating to the eyes and skin of rabbits, and is a skin sensitizer in mice according to the local lymph node assay method.

An updated quantitative mixer/loader/applicator risk assessment was conducted for Nexter SC Miticide/Insecticide. For postapplication workers, the risk assessment on file for pyridaben was adequate to address the potential exposure for workers entering fields treated with Nexter SC Miticide/Insecticide. No health risks of concern are expected provided that workers wear the appropriate personal protective equipment and follow all other label directions.

No new residue data were submitted in support of the registration of Nexter SC Miticide/Insecticide. The use pattern was determined to be within that of previously registered products. Therefore, the previously reviewed data were reassessed and confirmed that the use of

Nexter SC Miticide/Insecticide is not expected to result in an increase in the magnitude of pyridaben residues in/on the treated crops. Therefore, the registration of Nexter SC Miticide/Insecticide will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use pattern of Nexter SC Miticide/Insecticide is within the previously registered use pattern of the active ingredient pyridaben, and therefore, no additional environmental risk is expected from the use of Nexter SC Miticide/Insecticide. The label includes all the required environmental precautionary statements, hazards and directions for use statements, including buffer zone specifications, which adequately mitigate risks to the environment.

Value Assessment

Three bridging trials demonstrated that Nexter SC Miticide/Insecticide has efficacy similar to that of a previously registered precedent product; therefore, Nexter SC Miticide/Insecticide was supported from a value perspective.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to register Nexter SC Miticide/Insecticide.

References

PMRA

Document Number

Reference

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2836599	2016, Nexter SC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Viscosity, and Density/Relative Density, DACO: 3.5.2,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9 CBI
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2836602	2016, Nexter SC: Accelerated Storage Stability and Corrosion Characteristics, DACO: 3.5.10,3.5.14 CBI
2836606	2016, Nexter SC: Acute Oral Toxicity - Up-And-Down Procedure in Rats, DACO: 4.2.1
2836608	2016, Nexter SC: Acute Dermal Toxicity in Rats, DACO: 4.2.2
2836607	2016, Nexter R SC: Acute Inhalation Toxicity in Rats, DACO: 4.2.3
2836604	2016, Nexter SC: Primary Eye Irritation in Rabbits, DACO: 4.2.4
2836603	2016, Nexter SC: Primary Skin Irritation in Rabbits, DACO: 4.2.5
2836605	2016, Nexter R SC: Local Lymph Node Assay (LLNA) in Mice, DACO: 4.2.6
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2836613	2017, Pyridaben SC Value Package - Trial NXT-17-05-T01-PM1, DACO: 10.1, 10.2.3, 10.2.3.1, 10.2.3.3

ISSN: 1911-8082

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