Health Canada Santé Canada

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

Application Number: 2021-0176
Application: New EP Product Chemistry – Guarantee, Identity of Formulants, Proportion of Formulants, Formulation Type
Product: Assail 30 SC Insecticide
Registration Number: #####
Active ingredient (a.i.): Acetamiprid
PMRA Document Number : 3336548

Purpose of Application

The purpose of this application was to register a new insecticide end-use product, Assail 30 SC Insecticide, for use in terrestrial food and feed crops, based on a precedent.

Chemistry Assessment

Assail 30 SC Insecticide is formulated as a suspension containing acetamiprid at a concentration of 30%. This end-use product has a density of 1.135 – 1.138 g/mL and pH of 5.44. The required chemistry data for Assail 30 SC Insecticide have been provided, reviewed and found to be acceptable.

Health Assessments

Assail 30 SC Insecticide is considered to be of moderate toxicity via the oral route, low toxicity via the dermal route, and slight toxicity via the inhalation route. It is considered to be non-irritating to the eyes and skin, and is not considered to be a dermal sensitizer.

An updated health risk assessment for acetamiprid was conducted for chemical handlers to support the change in formulation type to a soluble concentrate. The postapplication risk assessment on file is acceptable and did not require to be updated. With revised precautions and personal protective equipment, no health risks of concern were identified for the use of Assail 30 SC Insecticide for control of various insect pests. 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 acetamiprid were submitted to support the registration of this active on the Assail 30 SC Insecticide label. Previously reviewed residue data from field trials conducted in/on several crops were reassessed in the framework of this application. In addition, processing studies in treated crops were reassessed to determine the potential for concentration of residues of acetamiprid into processed commodities.

Based on this assessment, residues are not expected to be greater than those from the currently registered uses and will be covered by the established maximum residue limits (MRLs). Consequently, dietary exposure to residues of acetamiprid is not expected to

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increase with the registration of Assail 30 SC Insecticide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The environmental risks associated with the use of Assail 30 SC Insecticide are acceptable when used according to the label directions.

Value Assessment

Information submitted to support the value of Assail 30 SC consisted of a scientific rationale and 6 bridging trials comparing its efficacy to that of a precedent product. The value information was sufficient to demonstrate that performance equivalent to the precedent product is expected when Assail 30 SC is applied at rates that provide the same amount of active ingredient as the precedent product. All registered claims for the precedent product, are supported for Assail 30SC with rates adjusted to reflect the difference in active ingredient concentration.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Assail 30 SC Insecticide.

References

PMRA Document Number	Reference
3190132	2021, Additional Product Chemistry for Assail 30 SC Insecticide, DACO: 3.1.1, 3.1.2,3.1.3,3.1.4,3.5.13,3.5.15,3.5.4,3.5.5
3190133	2020, Acetamiprid 30 SC Product Identity and Composition - Part A, DACO: 3.2.1,3.2.2,3.2.3,3.3.1 CBI
3190134	2019, Acetamiprid 30% SC: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density, DACO: 3.5.1,3.5.11,3.5.2,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9 CBI
3190135	2019, Acetamiprid 30% SC: Accelerated Storage Stability and Corrosion Characteristics, DACO: 3.4.1,3.5.10,3.5.14
3190123	2021, Summary of Value for ASSAIL 30 SC Insecticide, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3, 10.3.1
3190124	2021, Assail 30 SC Insecticide DACO 10, DACO: 10.2.3.1
3190125	2018, Evaluation of ATP30SC for the Control of Codling moth on Apple (FINAL), DACO: 10.2.3.3(D)
3190126	2018, Evaluation of ATP30SC for the Control of Codling moth on Apple (FINAL), DACO: 10.2.3.3(D)
3190127	2019, Evaluation of NI-38 30SC for the Control of Walnut Husk Fly on English Walnut, DACO: 10.2.3.3(D)

3190128	2019, Evaluation of NI-38 30SC for the Control of Insects on Tree Nuts (FINAL), DACO: 10.2.3.3(D)
3190129	2020, Evaluation of NI-38 30SC for the Control of Insects in blueberries, DACO: 10.2.3.3(D)
3190130	2020, Evaluation of NI 38 30SC for the Control of Insects in Wild Blueberries (*Vaccinium angustifolium* Ait.), DACO: 10.2.3.3(D)