Health Canada Santé Canada

Evaluation Report for Category B, Subcategories 2.1, 2.3, 2.4, 3.1 Application

Application Number: 2021-3965
Application: New EP Product Chemistry-Guarantee; Identity of Formulants; Proportion of Formulants
New Product Labels-Application Rate Increase or Decrease
Product: Altacor MaX Insecticide
Registration Number: 34654
Active ingredient (a.i.): Chlorantraniliprole
PMRA Document Number : 3401466

Purpose of Application

The purpose of this application was to register a new insecticide end-use product containing chlorantraniliprole as a foliar spray to control or suppress various listed insect pests on a number of crops, including pome fruits, stone fruits, caneberries, bushberries, cranberries, grapes, tree nuts, and low growing berries.

Chemistry Assessment

Altacor MaX Insecticide is formulated as wettable granules containing chlorantraniliprole at a concentration of 70%. This end-use product has a density of 0.6 – 0.8 g/mL and pH of 8.5 – 10.5. The required chemistry data for Altacor MaX Insecticide have been provided, reviewed and found to be acceptable.

Health Assessments

Altacor MaX Insecticide is of low acute toxicity via the oral and inhalation routes of exposure. It is not expected to pose an acute dermal hazard. It is non-irritating to the eyes and skin, and is not expected to be a dermal sensitizer.

The use of Altacor MaX Insecticide on pome fruits, stone fruits, caneberries, bushberries, cranberries, grapes, tree nuts and low growing berries is not expected to result in potential occupational or bystander exposure over the registered use of chlorantraniliprole. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for chlorantraniliprole in pome fruits, stone fruits, caneberries, bushberries, cranberries, grapes, low growing berries, and tree nuts were submitted to support the registration of Altacor MaX Insecticide. Previously reviewed residue data from field trials conducted in/on apples, pears, peaches, plums, cherries, grapes, raspberries/blackberries, blueberries, cranberries, strawberries, almonds and pecans were reassessed in the framework of this application and were deemed adequate. Dietary risks from exposure to residues of chlorantraniliprole in these crops at the established maximum residue limits were shown to be acceptable for the

general population and all subpopulations, including infants, children, adults and seniors.

Environmental Assessment

The use pattern for Altacor MaX Insecticide is within the registered use pattern of chlorantraniliprole, therefore, no additional risk is expected from the use of Altacor MaX Insecticide. The label includes all the required environmental precautions, directions for use and spray buffer zone information which adequately mitigate risks to the environment. Risk from use of Altacor MaX Insecticide is acceptable from the environmental perspective when used according to label directions.

Value Assessment

Value information submitted consisted of a scientific rationale to extrapolate support for Altacor MaX Insecticide from a registered precedent product. The rationale was based on similarity in formulation and identical crops/pest combinations and application rates (in amount of active ingredient applied per hectare) between the registered precedent and Altacor MaX Insecticide. This rationale was acceptable to support the value of all label claims.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of Altacor MaX Insecticide.

References

PMRA Document Number	Reference
3259688	2021, Characterization of E2Y45-982., DACO: 3.5.10,3.5.14 CBI
3259689	2021, Chlorantraniliprole 70WG (E2Y45) Water-Dispersible Granule Formulation: Laboratory Study Of Physical And Chemical Properties., DACO: 3.5.1,3.5.2,3.5.7 CBI
3259690	2021, Physico/Chemical Testing on a Sample of Chlorantraniliprole (E2Y45) 70WG, DACO: 3.5.11,3.5.12,3.5.8 CBI
3259691	2021, Validation of the Analytical Method for Determination of Chlorantraniliprole (E2Y45) in Rynaxypyr 70 WG Water-Dispersible Granule Formulation., DACO: 3.4.1 CBI
3259692	2021, Chlorantraniliprole 70WG (E2Y45)Water-Dispersible Granule Formulation: Summary Report Of The Product Physical And Chemical Characteristics, Storage Stability And Corrosion Characteristics, DACO: 3.0, 3.5, 3.5.1, 3.5.10, 3.5.12, 3.5.14, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.8 CBI
3279505	2021, Product Identity and Composition of End-Use Product Chlorantraniliprole (E2Y45) 70WG, DACO: 3.2.1 CBI
3279507	2021, Product Chemistry Data Waiver, DACO: 3.5.13,3.5.15,3.5.9 CBI
3279508	2021, Product Identity and Composition of End-Use Product Chlorantraniliprole

(E2Y45) 70WG, DACO: 3.2.1 CBI
3396868 2022, Altacor MaX Manufacturing Process, DACO: 3.2.2 CBI
3259680 2021, Chlorantraniliprole (E2Y45) 70WG: Acute Oral Toxicity – Up-And-Down Procedure in Rats, DACO: 4.6, 4.6.1
3259681 2021, Chlorantraniliprole (E2Y45) 70WG: Waiver Request for the Acute Dermal Toxicity Study, DACO: 4.6, 4.6.2
3259682 2021, Chlorantraniliprole (E2Y45) 70WG: Acute Inhalation Toxicity in Rats, DACO: 4.6, 4.6.3
3259683 2021, Chlorantraniliprole (E2Y45) 70WG: Primary Eye Irritation in Rabbits, DACO: 4.6, 4.6.4
3259684 2021, Chlorantraniliprole (E2Y45) 70WG: Primary Skin Irritation in Rabbits, DACO: 4.6, 4.6.5
3259685 2021, Chlorantraniliprole (E2Y45) 70WG: Local Lymph Node Assay (LLNA) in Mice, DACO: 4.6, 4.6.6
3259687 2021, Rationale to Bridge Efficacy Data for Altacor Insecticide to Support the Registration of Altacor MaX Insecticide in Canada, DACO: 10.1,10.2,10.2.3