

Evaluation Report for Category B, Subcategory 3.12, 5.0 Application

Application Number: 2018-1600
Application: B.3.12: New Site or Host
B.5.0: New MRL for Previously Assessed Active Ingredient
Product: Weevil-cide Pellets
Registration Number: 30013
Active ingredients (a.i.): Aluminum Phosphide
PMRA Document Number: 3022815

Purpose of Application

The purpose of this application was to expand the treated commodity “sunflower seeds” to all seeds of Crop Group 20 (Oilseeds) on the label of Weevil-Cide Pellets.

Chemistry Assessment

Chemistry assessment was not required for this application.

Health Assessments

The exposures to mixers/loaders/applicators, postapplication re-entry workers and bystanders, from the addition of the use on oilseed (crop group 20) to the Weevil-cide Pellet label was assessed. No risks of concern are expected from this use, provided that workers follow the use directions and wear the personal protective equipment identified on the label.

No new residue data for aluminum phosphide in oilseeds were submitted to support the use expansion of Weevil-Cide Pellets. In lieu, the applicant submitted a rationale to waive the trial requirements, journal articles and a foreign review.

Maximum Residue Limit

The recommendation for a maximum residue limit (MRL) for phosphine (aluminum phosphide residue definition for enforcement) was based upon the information provided, the history of use and the foreign review. An MRL to cover residues of phosphine in/on oilseed crops (crop group 20) and processed commodities are proposed at 0.1 ppm.

Following the review of all available information, an MRL of 0.1 ppm is recommended to cover residues of phosphine in oilseeds (crop group 20). Residues in these crop commodities at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

No new environmental data were provided by the applicant and no additional environmental data are required. The amendment to include all seeds of Crop Group 20 (Oilseeds) aside from the current registered uses on sunflower seeds and cotton seeds on the end-use product label of Weevil-cide Pellets do not result in changes in environmental concerns and the existing label statements are adequate for risk mitigation.

Value Assessment

Extrapolation from registered uses of Weevil-Cide Pellets supported the expansion of the commodities cotton seeds and sunflower seeds to all seeds of Crop Group 20 (Oilseeds) from a value perspective. The supported rates and pests were the same as those which were registered for cotton seeds and sunflower seeds.

Conclusion

The PMRA has reviewed the information provided in support expanding the treated commodity “sunflower seeds” to all seeds of Crop Group 20 (Oilseeds) to the Weevil-cide Pellets. Based on the results of this review, this amendment to the Weevil-cide Pellets is acceptable.

References

2874912	Request to Waive Data Requirements for the Addition of Further Oilseeds to the Weevil-Cide (containing Aluminum Phosphide) Product Labels (Reg. No. 29455 and 30013)
2879483	2018, Request to Waive Value Data for the Addition of Oilseeds to the Weevil-Cide (containing Aluminum Phosphide) Product Labels (Reg. No. 29455 and 30013), DACO: 10.1
2910543	Phosphine Sorption and Desorption by Stored Wheat and Corn
2910544	Adsorption of Hydrogen Phosphide to Cereal Products
2910545	Phosphine Residues and its Effect on the Germination of Stored Pulses
2910546	Residues of phosphine and aluminium phosphide in wheat after fumigation by admixture
2910542	Fumigants: phosphine and phosphine-generating compounds; Risk characterization document

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