



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-5331
Application: Submission subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) policy - Equivalency/Data Compensation Assessment
Product: Diamante 4
Registration Number: 34413
Active ingredient (a.i.): Dimethoate
PMRA Document Number: 3482365

Purpose of Application

The purpose of this application was to amend the label for the registered end-use product Diamante 4, based on a registered precedent product, to include aphids, bean beetles, leafhoppers, tarnished plant bugs, and lygus bugs on soybeans; aphids (including carrot, green peach and foxglove aphids) on celery; and tarnished plant bugs on potatoes and field tomatoes.

Chemistry Assessment

Diamante 4 is formulated as an emulsifiable concentrate containing dimethoate at a concentration of 480 g/L. This end-use product has a density of 1.06 g/mL and a pH of 3.8. The chemistry requirements for this product have been fulfilled.

Health Assessments

A toxicology assessment was not required for this application.

The registered use pattern for Diamante 4 is comparable to the registered use pattern of the precedent product. Therefore, potential exposure for mixers, loaders, applicators, bystanders and postapplication workers is not expected to exceed the current exposure to the registered products containing dimethoate. No health risks of concern are expected for workers and bystanders when label directions, precautions and restrictions are followed.

No new residue data for dimethoate were submitted or were required to support the registration of Diamante 4 on a new target crop (celery) and target pests. Previously reviewed residue data were re-assessed in the framework of this application.

The use directions on the Diamante 4 label, including the target crops and pests, method (crop dependent), rates and timing of application, spray volume, preharvest intervals, and feeding restrictions are comparable to those on the label of the precedent product.

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 dimethoate is not expected to increase with the registration of the new uses on the product label of Diamante 4 and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

After a scientific review of the available information, the PMRA has concluded that the environmental risks associated with the labelled uses of Diamante 4 are acceptable when used according to the label directions.

Value Assessment

The addition of claims against listed pests on soybean, celery, potato and field tomatoes to the label of Diamante 4 was supported based on its similarity to the registered precedent product. The addition of these claims to the label of Diamante 4 will provide growers with an alternative product for use to manage listed pests on soybean, celery, potato and field tomato.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the label amendment for Diamante 4.

References

None

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