

Evaluation Report for Category B, Subcategory B 3.11 Application (New or Changes to Product Label – New Pests)

Application Number: 2022-0187
Application: Category B 3.11 (New or changes to product label – new pests)
Product: DB-878 Herbicide
Registration Number: 32955
Active Ingredient (a.i.): 60.87% dicamba and 6.52% tribenuron-methyl
PMRA Document Number : 3359113

Background

DB-878 Herbicide was first registered in 2018 for control of certain broadleaf weeds in fields to be planted to wheat (spring, durum, and winter), spring barley, and oats, and as chemfallow and post-harvest treatments. It is registered for application at 115 g/ha in tank mix with glyphosate herbicide at 450 or 810 g a.e./ha based on weed spectrum and growth stage. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to replace control of Canada fleabane at up to 8 cm in height with suppression of Canada fleabane (including biotypes resistant to Group 9 Herbicide) at up to 10 cm in height.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

Expansion of the DB-878 Herbicide label to include suppression of Canada fleabane (including biotypes resistant to Group 9 Herbicide) at up to 10 cm in height provides users a wider application window to manage this problematic weed in small grain cereals, fallow land, and post-harvest fields.

Value information submitted for review consisted of data from replicated field trials conducted in Ontario in 2021. The information demonstrated that the application of DB-878 Herbicide in tank mix with glyphosate as per label instructions provided acceptable suppression of Canada fleabane at up to 10 cm in height. Glyphosate applied alone confirmed that Canada fleabane populations in the experimental fields included biotypes resistant to Group 9 Herbicide.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the requested amendment to the registration of DB-878 Herbicide.

References

List of Studies/Information Submitted by Registrant

PMRA # 3310086 2022, DB-878 Herbicide plus glyphosate for suppression of glyphosate-resistant biotypes of Canada fleabane (*Conyza canadensis*), DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, and 10.2.3.3(B).

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