

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

Application Number: 2021-2914
Application: Category B 3.11 (New or changes to product label – new pests)
Product: Engenia
Registration Number: 32220
Active Ingredient (a.i.): 600 g/L dicamba
PMRA Document Number: 3271319

Background

Engenia was first registered in 2016 for control of several broadleaf weeds in small grain cereals and field corn. 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 include the following efficacy claims:

- Control of kochia (including Group 2 and 9 resistant biotypes) and Eastern black nightshade (including Group 2 resistant biotypes) and suppression of common chickweed (including Group 2 resistant biotypes) and narrow leaved hawk's-beard (including Group 2 resistant biotypes) when it is applied at 0.48 – 1 L/ha.
- Suppression of hairy nightshade when it is applied at 0.7 – 1.0 L/ha.
- Suppression of volunteer canola (including conventional, Roundup Ready, and LibertyLink cultivars) when it is applied at 1 L/ha.

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 Engenia label to include claims for control or suppression of common chickweed, Eastern black nightshade, hairy nightshade, kochia, volunteer canola, and narrow-leaved hawk's-beard provides users another option to manage these weeds in field corn.

Value information submitted for review consisted of data from replicated field trials conducted over multiple years in both Canada and the US. The information collectively demonstrated that the application of Engenia as per label instructions can be expected to provide acceptable control or suppression of common chickweed, Eastern black nightshade, hairy nightshade, kochia, volunteer canola, and narrow-leaved hawk's-beard.

Furthermore, control of Group 2 and/or 9 herbicide resistant weeds as well as Roundup Ready and LibertyLink volunteer canola varieties is expected since dicamba (Group 4 herbicide) has an uniquely different mode of action compared to Group 2, 9, and 10 herbicides.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the requested amendments to the registration of Engenia.

References

List of Studies/Information Submitted by Registrant

- | | |
|----------------|---|
| PMRA # 3243243 | 2021, Engenia Herbicide, DACO: 10.1, 10.2, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3(B), 10.3, 10.3.1, 10.3.2, 10.4, 10.5.1, 10.5.2, 10.5.3, and 10.5.5. |
| PMRA # 3243246 | 2021, Efficacy trial reports, DACO: 10.2.3.3(B). |

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