

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

Application Number: 2021-1366
Application: Category B 3.11 (New or changes to product label – new pests)
Product: Zidua SC Herbicide
Registration Number: 32542
Active Ingredient (a.i.): 500 g/L pyroxasulfone
PMRA Document Number: 3256058

Background

Zidua SC was first registered in 2017 for control of several grassy weeds, common waterhemp, and redroot pigweed in field corn and soybean. The label was then expanded to include claims of early-season residual weed suppression in field corn, soybean, sunflower, chickpea, dry field pea, potato, and lentil. 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:

- (1) To include early-season residual suppression of cleavers (including Group 2 resistant biotypes) and Eastern black nightshade (including Group 2 resistant biotypes) at the labelled rate.
- (2) To clarify that the registered early-season residual suppression of kochia includes Group 2 resistant biotypes.

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

Value information submitted for review consisted of data from replicated field trials and a scientific rationale. The information collectively demonstrated that the application of Zidua SC Herbicide as per label instructions can be expected to provide acceptable early-season suppression of cleavers (including Group 2 resistant biotypes) and Eastern black nightshade (including Group 2 resistant biotypes) as well as Group 2 resistant kochia.

Expansion of the Zidua SC label provides users with a tool for early-season suppression of these weeds. Early-season weed management is an important agricultural practice for early crop establishment.

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 Zidua SC Herbicide.

References

List of Studies/Information Submitted by Registrant

- PMRA # 3216062 2021, Application for label amendment of Zidua SC - Addition of weeds: Eastern black nightshade (incl. Group 2 resistant biotypes), cleavers (incl. Group 2 resistant biotypes) and Group 2 resistant biotypes of kochia, DACO: 10.1, 10.2, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3(B), 10.3, 10.4, 10.5.1, 10.5.2, 10.5.3, and 10.5.5.
- PMRA # 3216065 2021, Efficacy trial reports, DACO: 10.2.3.3(B).

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