

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

Application Number: 2016-3124
Application: Category B.3.11 (New or changes to product label – New pests)
Product: Flumioxazin 51WDG Herbicide
Registration Number: 29235
Active Ingredient (a.i.): 51.1% flumioxazin
PMRA Document Number: 2665537

Background

Flumioxazin 51WDG is registered for control or suppression of broadleaf weeds in an array of crops, e.g., soybean, chickpea, field pea, field corn, and spring wheat, and bare ground non crop areas and as a harvest aid treatment in dry bean. For specific details of uses, application rates, timings, 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 claims of control of common waterhemp and palmer amaranth at the labelled rates of 140 or 210 g/ha in soybean, chickpea, field pea, field corn, and spring wheat, as well as at the labelled rates of 280 or 420 g/ha on bare ground non-crop areas.

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

Common waterhemp is present in Ontario, and has developed resistance to glyphosate and other herbicide chemistries. Canadian growers have identified control of waterhemp in corn and soybean a priority. Palmer amaranth has become a major weed issue in the United States, and has very quickly moved into the northern U.S. as well as Canada. Palmer amaranth has also developed resistance to glyphosate and other chemistries. Applications of soil residual herbicides, such as flumioxazin, are being recommended to ensure good control of glyphosate resistant weeds.

Value information, which included data from field trials, rationales, and use history information in the US, demonstrated that the application of Flumioxazin 51 WDG Herbicide at the labelled rates provided acceptable control of common waterhemp and palmer amaranth.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Flumioxazin 51WDG Herbicide to include claims of control of common waterhemp and palmer amaranth.

References

List of Studies/Information Submitted by Registrant

PMRA #	References
2651043	2016, Appendix 1: Trial reports for "value summary for Flumioxazin 51 WDG Herbicide - addition of weed claims", DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3, 10.5.1, 10.5.2, 10.5.3, and 10.5.4.
2651044	2016, Crop talk: Do we have palmer amaranth in Ontario and how do I tell it apart from other pigweeds? DACO: 10.1.
2651046	2014, Management of palmer amaranth in Illinois, DACO: 10.1.
2651048	2013, Palmer amaranth management in soybeans, DACO: 10.1.
2651050	2014, Residual control of tough weeds in spring, DACO: 10.1.

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