Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2015-7049
Application: Change in application rate
Product: GF-1352 Herbicide
Registration Number: 30162
Active ingredients (a.i.): florasulam
PMRA Document Number : 2645969

Background

GF-1352 Herbicide was first registered September 19, 2011. GF-1352 Herbicide, formulated as water dispersible granules, contains 25% florasulam and is registered for post-emergence application by ground sprayer equipment in the Prairie provinces and the Peace River region of B.C. at the rate of 20 g product/ha (5 g a.e./ha) alone, in combination with a non-ionic surfactant (e.g., Agral 90) at 0.2% v/v, for the control or suppression of several broadleaved weed species in spring wheat, including durum, winter wheat, and spring barley. GF-1352 Herbicide is also registered for application as an initial treatment in summerfallow or prior to seeding small grain cereal crops, including oat, for control or suppression of the same weeds listed for post-emergence applications. GF-1352 Herbicide is registered for use in tank mixtures with other herbicides, including with 115-120 g a.e./ha dicamba plus 450-2500 g a.e./ha glyphosate for application in the spring or fall prior to seeding small grain cereal crops or as an initial treatment in summerfallow for the control or suppression of a broader spectrum of weed species. 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 amend the registration of GF-1352 Herbicide to include its use at the reduced rate of 14 g/ha (3.5 g a.e./ha) when applied in the spring in a tank mixture with 115-120 g a.e./ha dicamba plus 450-2500 g a.e./ha of a glyphosate product prior to planting spring wheat, including durum, spring barley and oat or as an initial treatment in summerfallow for control or suppression of the same weeds that were already listed for this tank mixture, but with the full rate of GF-1352 Herbicide.

Chemistry Assessment

A chemistry assessment was not required as there was no change to the product formulation.

Health and Environmental Assessment

Health and environmental assessments were not required as there was no change to the use pattern, including host crops, application methods, timings and rates, except

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for the requested tank mix with dicamba and glyphosate that included a reduced rate of GF-1352 Herbicide.

Value Assessment

Application of a tank mixture of the reduced rate of 14 g/ha GF-1352 Herbicide plus dicamba plus glyphosate in the spring prior to planting spring cereal crops or as an initial treatment in summerfallow will lower the cost to the grower as well as reduce the application rate of florasulam. The reduced rate of GF-1352 Herbicide in the tank mixture with dicamba plus glyphosate will not impact the range of post-emergence herbicide options available to the grower.

The support for each of the requested efficacy claims was based on claims that are registered for glyphosate or dicamba applied alone at rates that are relevant to the tank mixture as well as data generated in small-scale field studies in which the efficacy of the tank mixture of the reduced rate of florasulam (3.5 g a.e./ha) plus 115 g a.e./ha dicamba plus 450 g a.e./ha glyphosate was directly compared to that of the same tank mixture, but with florasulam included at the full rate of 5 g a.e./ha, for control of volunteer canola, including volunteer glyphosate-tolerant canola, shepherd's purse, lamb's-quarters, and dandelion.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support the labelling of a tank mixture of GF-1352 Herbicide applied at the reduced rate of 14 g/ha (3.5 g a.e/ha) plus 115-120 g a.e./ha dicamba plus 450-2500 g a.e./ha glyphosate in the spring prior to planting spring wheat, including durum, spring barley and oat or as an initial treatment in summerfallow for control or suppression of labelled weeds.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2594786	2015, Trial Reports (5) - Korrex A(GF-1352) Amended Rate Data, DACO: 10.2.3.3

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