

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2016-2584
Application: New Pests
Product: Simplicity GoDRI Herbicide
Registration Number: 31916
Active ingredient (a.i.): Pyroxsulam
PMRA Document Number: 2688349

Background

Simplicity GoDRI Herbicide was first registered October 14, 2015. Simplicity GoDRI Herbicide, containing 21.5% pyroxsulam and formulated as wettable granules, is registered for post-emergence application at 70 g/ha (15 g a.i./ha) to spring wheat, including durum, in the Prairie provinces and Peace River region of British Columbia for the control or suppression of labelled broadleaved and grass 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 submission was to amend the registration of Simplicity GoDRI Herbicide to include a claim of suppression of white cockle when applied at 70 g/ha in combination with 0.25% v/v of a non-ionic surfactant. Additionally, a claim of control of white cockle was requested for the tank mixture of 70 g/ha Simplicity GoDRI Herbicide plus the registered rate of 1.0 L/ha of Stellar XL Herbicide, containing 2.5 g/L florasulam, 100 g/L fluroxypyr and 350 g/L MCPA ester.

Chemistry Assessment

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

Health and Environmental Assessments

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

Value Assessment

White cockle is an invasive biennial or short-lived perennial plant that is spreading rapidly throughout much of western Canada. White cockle is a prolific seed producer and control options work best before the plant has a chance to establish itself as a perennial with

its extensive root system. The addition of a claim of suppression of white cockle for Simplicity GoDRI Herbicide and a claim of control of this weed for the tank mixture of Simplicity GoDRI Herbicide plus Stellar XL Herbicide will provide growers with an additional herbicide option to combat this hard-to-control weed.

Performance data generated in small-scale field trials demonstrated that Simplicity GoDRI Herbicide applied at the registered rate of 70 g/ha (15 g a.i./ha) in combination with 1% v/v Intake Adjuvant to spring cereal crops resulted in suppression of white cockle that was at up to the first flower stage and 20 cm in height at the time of application. Season-long control of white cockle that was at up to the same developmental stage was observed following application of a tank mixture of 70 g/ha Simplicity GoDRI Herbicide plus 1.0 L/ha Stellar XL Herbicide.

Conclusions

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support a claim of suppression of white cockle (up to the first flower stage) for Simplicity GoDRI Herbicide applied with a non-ionic surfactant as well as a claim of season-long control of white cockle (up to the first flower stage, less than 20 cm height) for Simplicity Herbicide applied in a tank mixture with Stellar XL Herbicide.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2643032 2016, Trial Reports (4) - Simplicity + Stellar XL MELAL, DACO: 10.2.3.3

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