

Change in Application Rate and New Pests

Evaluation Report for Category B, Subcategory 3.1 and 3.11 Application

Application Number: 2016-7538
Application: Change in Application rate and New Pests
Product: Stellar XL Herbicide
Registration Number: 32099
Active ingredients (a.i.): Florasulam, Fluroxypyr, MCPA Ester
PMRA Document Number : 2763236

Background

Stellar XL Herbicide was first registered May 18, 2001. Stellar XL Herbicide is registered for post-emergence application at 1.0 L/ha to several small grain cereal crops in the Prairie provinces and Peace River region of British Columbia for the control or suppression of several broadleaved weeds. It is also labelled for application in tank mixtures with other herbicides, including with 70 g/ha Simplicity GoDRI Herbicide, containing 21.5% pyroxsulam, for the control or suppression of additional weeds, including annual grass weeds. 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 expand the registration of Stellar XL Herbicide to include post-emergence application at the reduced rate of 0.8 L/ha when tank mixed with 52 g/ha Simplicity GoDRI Herbicide to wheat (spring, durum, and winter) for the control of wild oats (low populations of $<75/m^2$), Japanese brome (1-4 leaf stage, 2-tiller stage under good growing conditions), kochia (including group 2 resistant biotypes, populations of $<100/m^2$, <15 cm in height), redroot pigweed, wild buckwheat, and volunteer canola.

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 the only change to the use pattern was the option to use a reduced rate when tank mixed with Simplicity GoDRI Herbicide. There were no changes to host crops, application methods, and timings.

Value Assessment

The labelling of a tank mixture of 0.8 L/ha Stellar XL Herbicide plus the registered rate of 52 g/ha Simplicity GoDRI Herbicide will provide growers an additional and lower cost option to control particular weeds that commonly occur in wheat.

Value information was submitted in the form of data from small-scale performance trials. The data demonstrated that the post-emergence application of a tank mixture of 0.8 L/ha Stellar XL Herbicide plus 52 g/ha Simplicity GoDRI Herbicide can be expected to provide control of kochia, redroot pigweed, volunteer canola and wild buckwheat. Claims of control of wild oat and Japanese brome were supported by precedent as control claims for these two weeds are registered for Simplicity GoDRI Herbicide applied at 52 g/ha.

An assessment of non-safety adverse effects (crop tolerance) was not required as spring wheat, including durum, and winter wheat were already registered host crops for the tank mixture of 1.0 L/ha Stellar XL plus 52 or 70 g/ha Simplicity GoDRI Herbicide, and since the application timing was unchanged.

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 0.8 L/ha Stellar XL Herbicide plus 52 g/ha Simplicity GoDRI Herbicide for the control of wild oats, Japanese brome, kochia, redroot pigweed, wild buckwheat, and volunteer canola, when applied in accordance with the label, in spring wheat, including durum, and winter wheat.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2704108	2016, 10.2.3.1 Table, Stellar XL 0.8 Broadleaf Efficacy & Simplicity plus Stellar XL Efficacy-LTJ, DACO: 10.2.3.1
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