

Evaluation Report for Category B, Subcategory 3.10 Application

Application Number: 2020-0560
Application: Tank Mixes
Product: Authority Supreme Herbicide
Registration Number: 32562
Active ingredients (a.i.): Pyroxasulfone, Sulfentrazone
PMRA Document Number: 3130660

Background

Authority Supreme Herbicide is registered for pre-plant or pre-emergence surface soil application to field peas, chickpeas and soybean for control of annual grasses and annual broadleaf 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 amend the registration of Authority Supreme Herbicide to include a tank mix with Express SG Herbicide (Reg. No. 28262 containing 50% tribenuron-methyl) plus glyphosate.

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 since there are no changes made to the application rate and use pattern.

Value Assessment

The expansion of the Authority Supreme Herbicide label to include a tank mix with Express SG Herbicide plus glyphosate would provide field pea, chickpea and soybean growers with an option to control emerged weeds that have documented resistance to multiple herbicide modes of action, including glyphosate herbicide.

Value information submitted for review consisted of scientific rationales and data from field trials. The provided information demonstrated that a tank mix of Authority Supreme Herbicide + Express SG Herbicide + glyphosate at registered rates can be expected to provide acceptable control of labelled weeds.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support a tank mixture of Authority Supreme Herbicide + Express SG Herbicide + glyphosate.

Reference

List of Studies/Information Submitted by Registrant

Value Assessment

- 3089904 2020, AUTHORITY SUPREME Herbicide (PCP 32562): Value Summary - Tank mix with EXPRESS SG Herbicide (PCP 28262), DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.3.2,10.3.3,10.4,10.5.1,10.5.2,10.5.3,10.5.4,10.5.5
- 3089907 2020, Authority Supreme (pyroxasulfone+sulfentrazone) tank mixed with Express SG (tribenuron) for enhanced burnoff and residual weed control in field peas, DACO: 10.2.3.3(B)
- 3089908 2020, Authority Supreme (pyroxasulfone+sulfentrazone) tank mixed with Express SG (tribenuron) for enhanced burnoff and residual weed control in field peas (soybean in Manitoba), DACO: 10.2.3.3(B)
- 3089909 2020, Authority Supreme (pyroxasulfone + sulfentrazone) tanked mixed with Express SG (tribenuron) for enhanced burnoff and residual weed control of volunteer canola / wild mustard in field peas or soybeans, DACO: 10.2.3.3(B)
- 3089910 2020, Authority Supreme (pyroxasulfone + sulfentrazone) tanked mixed with Express SG (tribenuron) for enhanced burnoff and residual weed control of volunteer canola / wild mustard in field peas or soybeans, DACO: 10.2.3.3(B)
- 3089911 2020, Authority Supreme (pyroxasulfone+sulfentrazone) tank mixed with Express SG (tribenuron) for enhanced burnoff and residual weed control in field peas. (Soybean in Manitoba), DACO: 10.2.3.3(B)
- 3089912 2020, Authority Supreme (pyroxasulfone + sulfentrazone) tanked mixed with Express SG (tribenuron) for enhanced burnoff and residual weed control of volunteer canola / wild mustard in field peas or soybeans., DACO: 10.2.3.3(B)

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