



New Pests

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2017-0884
Application: New Pests
Product: Barricade SG
Registration Number: 29544
Active ingredients (a.i.): tribenuron-methyl and thifensulfuron-methyl
PMRA Document Number : 2780604

Background

Barricade SG is a herbicide that was first registered January 6, 2010. Barricade SG is registered for post-emergence application to spring wheat, including durum, winter wheat and spring barley at 30 g/ha in combination with 0.2% v/v of a non-ionic surfactant for the control or suppression of several broadleaved weed species. Barricade SG may also be applied in tank mixtures with other herbicides, including with 0.21 L/ha Perimeter II Herbicide, containing 333 g a.e./L fluroxypyr, present as 1-methylheptyl ester, and 0.2% v/v of a non-ionic surfactant. 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 is to amend the registration of Barricade SG to include a claim of control of shepherd's purse (up to 20 cm) for the tank mixture of 30 g/ha Barricade SG plus 0.21 L/ha (70 g a.e./ha) Perimeter II Herbicide plus 0.2% v/v of a non-ionic surfactant.

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 host crops, application rates, methods, and timings.

Value Assessment

The addition of a claim of control of shepherd's purse for the tank mixture of Barricade plus Perimeter II Herbicide plus non-ionic surfactant will provide wheat and barley growers an additional option to control this troublesome weed.

Value information was submitted as efficacy data from three replicate small-scale field trials. Two trials were conducted on spring barley and a third on fallowed land. Control of shepherd's purse was usually achieved by four weeks after application and was consistently achieved by six weeks after application.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support a claim of control of shepherd's purse (up to 20 cm) for Barricade SG tank mixed with Perimeter II Herbicide and non-ionic surfactant applied in accordance with its label.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2729713	2017, Control of Shepherds Purse with a Tank Mix of Barricade SG + Perimeter II Herbicide in Cereal Crops, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.3,10.2.3.3(B),10.3.2(A)
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