



Evaluation Report for Category B, Subcategory B.3.11 Application (New or Changes to Pests)

Application Number: 2013-6846
Application: Category B, Subcategory B.3.11 (new or changes to product label – new pests)
Product: Inferno Duo Herbicide
Registration Number: 30663
Active ingredients (a.i.): 45% flucarbazone-sodium and 23.9% tribenuron methyl
PMRA Document Number : 2431701

Background

Inferno Duo Herbicide is registered for pre-emergence control of volunteer canola, shepherd's purse, and narrow-leaved hawk's beard and suppression of wild oats and dandelion at a rate of 31.5 g/ha in spring wheat (excluding durum wheat) in the Prairie Provinces and Peace River region of British Columbia. Inferno Duo Herbicide is also labelled for application in tank mix with a glyphosate herbicide present as isopropylamine or potassium salt at 450 g a.e./ha for control of a broader spectrum of 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

Purpose of this application was to amend the Inferno Duo Herbicide label to include a claim of foxtail barley control (prior to the head emergence and senescence of older leaves) for the labelled tank mixture with glyphosate herbicide.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

Value information including data from four field trials conducted in Alberta and North Dakota in 2011 and 2012 and use history information from five sources in Alberta, Manitoba, and Saskatchewan were submitted for review. Mean foxtail barley control (up to head emergence and senescence of older leaves) observed for the tank mixture of Inferno Duo Herbicide at 31.5 g/ha plus glyphosate herbicide at 450 g a.e./ha achieved 90% at 30-39 DAT and 86% at 50-56 DAT over the four field trials. The use history information also indicated that this tank mixture was able to provide foxtail barley control greater than 80%.

There are very few herbicide options for foxtail barley control in spring wheat. Pre-emergence application of glyphosate herbicide at a rate of 900-1800 g a.e./ha has been commonly used. The inclusion of foxtail barley control on the Inferno Duo Herbicide label for the tank mixture with glyphosate herbicide will provide farmers another option for control of this weed with a reduced rate of glyphosate herbicide.

Based on the weight of evidence, the inclusion of a claim of foxtail barley control (prior to head emergence or senescence of older leaves) on the Inferno Duo Herbicide label for the tank mixture with glyphosate herbicide is supported from a value standpoint.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Inferno Duo Herbicide to include the claim of foxtail barley control (prior to the head emergence and senescence of older leaves) for the labelled tank mixture with glyphosate herbicide.

Reference

List of Studies/Information Submitted by Registrant

PMRA #	References
2369136	2013, PrePare hard to kill grasses, DACO: 10.2.3.3(B).
2369138	2013, PrePare broadleaf resistance strategy, DACO: 10.2.3.3(B).
2369140	2013, PrePare applied to brown or light soil, DACO: 10.2.3.3(B).
2369141	2013, 22 - PrePare foxtail barley, DACO: 10.2.3.3(B).
2369145	2013, Use history, DACO: 10.2.4.
2369147	2013, Use history, DACO: 10.2.4.
2369149	2013, Use history, DACO: 10.2.4.
2369152	2013, Use history, DACO: 10.2.4.
2369154	2013, Use history, DACO: 10.2.4.

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