

Evaluation Report for Category B, Subcategory B 3.11 Application (New or Changes to Product Label – new pests)

Application Number: 2017-0531
Application: Category B, Subcategory B 3.11
Product: Liberty 150 SN Herbicide and Crop Desiccant MP
Registration Number: 24081
Active ingredients (a.i.): 150 g ai/L glufosinate ammonium
PMRA Document Number : 2773969

Background

Liberty 150 SN Herbicide and Crop Desiccant MP is a Master product containing 150 g ai/L glufosinate ammonium and is registered for broad spectrum weed control in glufosinate ammonium tolerant canola and soybean varieties, as well as for primocane control in raspberries. There are no geographical/regional restrictions to the use of Liberty 150 SN Herbicide and Crop Desiccant MP. 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 Liberty 150 SN Herbicide and Crop Desiccant MP to include control claims for spring germinated Japanese brome and downy brome at the labelled rate of 4.0 L/ha alone and in tank mix with Centurion EC Herbicide or Select EC 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

Japanese brome and downy brome are annual or winter annual grasses reproducing only by seed. Together, these grasses present a serious problem in reduced and no-till fields in Western Canada where herbicide options for controlling them post-emergence in wheat are very limited, necessitating their control in other crops grown in rotation with wheat. The information provided for review included a discussion of the efficacy data from small scale field trials and a scientific rationale.

The information provided was found to be supportive of the efficacy of Liberty 150 SN Herbicide and Crop Desiccant MP on Japanese brome and downy brome. With respect to the value of the use, there are few chemical options to manage these difficult weeds in wheat and this registration will give growers tools to control spring germinated Japanese brome and downy

brome within their crop rotation in glufosinate tolerant canola. When applied in tank mix with Select or Centurion, both active ingredients should have activity on both weeds, providing some degree of resistance management as well.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Liberty 150 SN Herbicide and Crop Desiccant MP to include control claims for spring germinated Japanese brome and downy brome at the labelled rate of 4.0 L/ha alone and in tank mix with Centurion EC Herbicide or Select EC Herbicide.

References

List of Studies/Information Submitted by Registrant

2724064	10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.3.3, 10.2.3.3(B), 10.3, 10.3.2(A), 10.3.3, 10.4, 10.5, 10.5.1, 10.5.2, 10.5.3	2017, Value Assessment of Liberty 150 SN Herbicide Data to Support Liberty 150 SN Herbicide alone and in Tank-mixture with Select or Centurion Emulsifiable Concentrate Post-emergence Herbicides for Spring Germinated Downy and Japanese Brome Control in Glufosinate Ammonium-tolerant Canola
2724066	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, 10.3.2(A), 10.3.3, 10.4, 10.5, 10.5.1, 10.5.2, 10.5.3	2017, COMPILATION OF TRIAL REPORTS: Value Assessment of Liberty 150 SN Herbicide Data to Support Liberty 150 SN Herbicide alone and in Tank-mixture with Select or Centurion Emulsifiable Concentrate Post-emergence Herbicides for Spring Germinated Downy and Japanese Brome Control in Glufosinate Ammonium-tolerant Canola

ISSN: 1911-8082

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