

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Evaluation Report:

Application Number: 2011-3064
Application: Category C, Subcategory C.3.10
Product: Excel Super Herbicide
Registration Number: 22205
Active ingredients (a.i.): 80.5 g/L fenoxaprop-p-ethyl
PMRA Document Number English PDF: 2136155

Background

Excel Super Herbicide containing 80.5 g/L fenoxaprop-p-ethyl (WSSA Group 1 Herbicide) is registered for the control of certain grassy weeds in a variety of vegetable and field crops in eastern Canada and British Columbia. The labeled application rate for Excel Super is 53.9 g a.i./ha. 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 registrant has applied to amend the registration of Excel Super Herbicide to include a new tank mix with Liberty 200 SN Herbicide.

- Liberty 200SN at 300-500 g a.i./ha + Excel Super at 36.2 g a.i./ha

The registrant is not proposing any changes in crops or use rate to Excel Super Herbicide.

Chemistry Assessment

A chemistry assessment was not required as there was no change to product chemistry.

Health Assessment

A health assessment was not required as there was no change to the product formulation and use pattern.

Environmental Assessment

An environmental assessment was not required as there was no change to the use site and pattern.

Value Assessment

The addition of Liberty 200 SN as a tank mix partner to the Excel Super Herbicide label has value for the control of volunteer corn (including herbicide tolerant varieties) in LibertyLink soybeans. This is important as soybeans often follow field corn in grower rotations. Data from seven combined efficacy and crop tolerance trials were submitted for review. The trials were conducted in Ontario in 2009 and 2010. The tank mix of Liberty 200SN at 500 g a.i./ha plus Excel Super at a proposed rate of 36.2 g a.i./ha was evaluated.

The higher rate of 500 g ai/ha Liberty 200SN was used in the trials in order to demonstrate any potential antagonism with the tank mix. The results indicated consistent control of volunteer corn (labelled for control on the Excel Super label) at the mid and late evaluation timings (19-44 and >45 DAT). Liberty 200SN + Excel Super also controlled a number of other weeds (12) appearing on both product labels, suggesting minimal antagonism with the tank mix.

Crop tolerance was also evaluated in these same trials and was found to be acceptable.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Liberty 200SN Herbicide to include the tank mixture of Liberty 200SN + Excel Super Herbicide for the control of volunteer corn (including herbicide tolerant).

Reference

PMRA # 2057509: Liberty 200 SN Herbicide Data to Support a Tank-mixture with Excel Super Herbicide in Glufosinate Tolerant (LibertyLink) Soybean. DACO. 10.2.3.3 and 10.3.2. July 5, 2011. pp. 213.

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