

Evaluation Report for Category B, Subcategory B.3.10 Application (New or Changes to Product Label – Tank Mixes)

Application Number: 2014-2472
Application: Category B, Subcategory B.3.10 (new or changes to product label – tank mixes)
Product: Assure II Herbicide
Registration Number: 25462
Active ingredients (a.i.): Quizalofop-P-ethyl at 96 g/L
PMRA Document Number : 2456889

Background

Assure II Herbicide is a selective post-emergent herbicide that is registered for use on multiple crops, most of which are broadleaved crops, for control or suppression of annual and perennial grasses. Assure II Herbicide at 0.38-0.75 L/ha is labelled for application in tank mix with Merge at 0.5-1.0% v/v or Sure-Mix at 0.5% v/v. 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 use pattern of Assure II Herbicide to include LI700 at 0.25-0.5% v/v and Liberate Adjuvant at 0.5% v/v as alternate surfactants.

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 included data from six trials conducted in soybeans and canola in Alberta, Manitoba, and Ontario in 2013. Efficacy of Assure II Herbicide applied in tank mix with LI700 at 0.25 or 0.5% v/v or Liberate Adjuvant at 0.5% v/v was compared to that with Sure-Mix at 0.5% v/v for control of wild oats, volunteer cereals, green and yellow foxtail, volunteer corn and barnyard grass. Crop tolerance to the same treatments was assessed for soybeans and canola.

Trial data demonstrated that efficacy and crop safety of Assure II Herbicide applied with LI700 or Liberate Adjuvant were comparable to those with Sure-Mix. The addition of LI700 and Liberate Adjuvant will provide farmers more surfactant options for application with Assure II Herbicide.

Based on the weight of evidence, the inclusion of LI700 and Liberate Adjuvant as alternate surfactants for application with Assure II Herbicide has value.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the use pattern of Assure II Herbicide to include LI700 at 0.25-

0.5% v/v and Liberate Adjuvant at 0.5% v/v as alternate surfactants.

Reference

List of Studies/Information Submitted by Registrant

PMRA # 2440117 2014, Value Document, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3(B), 10.3, 10.3.1, and 10.3.2(A).

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