



## Evaluation Report for Category C Streamlined Application

**Application Number:** 2008-3033  
**Application:** Streamlined Category C  
**Product:** Reflex Liquid Herbicide  
**Registration Number:** 24779  
**Active ingredients (a.i.):** Fomesafen  
**PMRA Document Number:** 1722665

### Background

Reflex Liquid Herbicide (Reg.# 24779; henceforth called Reflex) has been registered since March 20, 1997. Reflex is registered for the selective post-emergence control of many broadleaf weeds in soybeans (eastern Canada), dry edible beans (eastern Canada and Red River Valley of Manitoba (when tank mixed with Basagran) and snap common beans (yellow and green; eastern Canada). Use of a surfactant or adjuvant is recommended with Reflex. Some bronzing, crinkling or spotting of soybean, dry edible bean and snap common bean leaves may occur after Reflex application, but plants normally outgrow these effects with no adverse effects on maturity or crop yield. 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 Reflex to include a tank mixture with Venture L herbicide (Reg. No. 21209), containing 125 g/L fluazifop-p-butyl, and Agral 90 or Turbocharge. The tank mixture is for post-emergence use in eastern Canada on soybeans. The tank mix is proposed for control or suppression of Reflex-labelled broadleaved weeds and Venture L-labelled grass weeds.

### Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the use pattern, including host crops, application rates and timings, of the component products remained unchanged.

## **Value Assessment**

Data were submitted and reviewed under the related application # 2008-3052. Efficacy data were submitted from a total of 12 field trials conducted throughout southwestern Ontario between 1994 and 1998. Crop tolerance data were submitted from a total of four field trials conducted throughout southwestern Ontario in 2006. The data demonstrate that the subject tank mix combination can be expected to provide acceptable control of all grass and broadleaf weeds listed on the respective Reflex and Venture L labels. While the tank mix of Reflex + Venture L may cause visual crop injury to soybean, this injury does not result in a yield loss.

## **Conclusion**

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of the Reflex Liquid Herbicide label to include the tank mix of Reflex (240 g a.i./ha) + Venture L (75-250 g a.i./ha) + Agral 90 (0.1% v/v) or Turbocharge (0.25% v/v) for the post-emergent control or suppression of currently labeled broadleaf and grass weeds growing in soybeans when the tank mix is applied between the 1-2 trifoliolate growth stage of the crop.

## **References**

PMRA Document Number: 1195788

Reference: 1999, 125 G/L EC Formulation Of Fluazifop-p-butyl (PCP No. 21209): Comparison Of Phytotoxicity And Bioefficacy To The 25% Wg Formulation Of Fluazifop-p-butyl (PCP No. 23480) For Various Tank Mixes, Data Numbering Code, 10.2.3.1

PMRA Document Number: 1195794

Reference: 1999, 125 G/L EC Formulation Of Fluazifop-p-butyl (PCP No. 21209): Comparison Of Phytotoxicity And Bioefficacy To The 25% WG Formulation Of Fluazifop-p-butyl (PCP No. 23480) For Various Tank Mixes, Data Numbering Code: 10.2.3.

PMRA Document Number: 1195791

Reference: 1999, 125 G/L EC Formulation Of Fluazifop-p-butyl (PCP No. 21209): Comparison Of Phytotoxicity And Bioefficacy To The 25% WG Formulation Of Fluazifop-p-butyl (PCP No. 23480) For Various Tank Mixes, Data Numbering Code, 10.2.3.3

PMRA Document Number: 1195798

Reference: 1999, 125 G/L EC Formulation Of Fluazifop-p-butyl (PCP No. 21209): Comparison Of Phytotoxicity And Bioefficacy To The 25% WG Formulation Of Fluazifop-p-butyl (PCP No. 23480) For Various Tank Mixes, Data Numbering Code, 10.3.2

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