



Evaluation Report Category C Streamline, Subcategory C.3.11 (New Pests)

Application Number: 2007-0505
Application: Category C Streamline, Subcategory C.3.11 - New Pests
Product: Adrenalin SC Herbicide
Registration Number: 27879
Active ingredients (a.i): Imazamox (IMZ) and 2,4-D (DXF)
PMRA Document Number : 1436552

Background

Adrenalin SC Herbicide containing 20 g/L of imazamox + 560 g/L of 2,4-D Ester is registered for post-emergent control of grassy and broadleaf weeds in imazamox tolerant wheat in the Prairie Provinces and the Peace River Region of BC. The registered application rate is 580 g a.e./ha (i.e. 20 g a.e./ha imazamox + 560 g a.e./ha 2,4-D) + 0.25% v/v non-ionic surfactant. 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 is to amend the registration of Adrenalin SC Herbicide to include a claim of suppression for Japanese brome grass (*Bromus japonicus*) at a rate of 580 g a.e./ha (i.e. 20 g a.e./ha imazamox + 560 g a.e./ha 2,4-D).

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 the use rate and use pattern are presently registered.

Value Assessment

Data from 6 efficacy trials were submitted for review. The trials were conducted at 4 locations in Saskatchewan during a 2-year period (2005 and 2006). Control of Japanese brome grass was visually assessed 2 to 3 times during the growing season. Mean control of Japanese brome grass following an application of Adrenalin SC at a rate of 580 g a.e./ha (i.e. 20 g a.e./ha imazamox + 560 g a.e./ha 2,4-D) was 65.0% over 4 trials at the first rating (22-29 DAT), 77.3% over 6 trials at the second rating (42-50 DAT), and 94.4% over 2 trials at the third rating (64 DAT). The data supported a claim of suppression for Japanese brome grass.

Crop tolerance data are not required to add a new pest to the product label.

Conclusions

PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Adrenalin SC Herbicide to include a claim of suppression for Japanese brome grass.

Reference

List of Studies/Information Submitted by Registrant

PMRA # 1374208: Part 10 - Efficacy trial reports. BASF Canada. DACO 10.3.3. January 2, 2007. pp 83.

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