



Evaluation Report for Category C, Subcategory C.3.11 Application (New or Changes to Product Label – New Pest)

Application Number: 2009-0849
Application: Category C, Subcategory C.3.11 Application (New or Changes to Product Label – New Pests)
Product: PP-23235 Herbicide
Registration Number: 29262
Active ingredients (a.i.): 23.1% tribenuron-methyl, 23.1% thifensulfuron-methyl, and 4.6% metsulfuron-methyl
PMRA Document Number : 1757320

Background

PP-23235 Herbicide is a three-way physical blend product, containing 23.1% tribenuron-methyl, 23.1% thifensulfuron-methyl, and 4.6% metsulfuron-methyl, and is recommended for selective post-emergence control or suppression of broadleaf weeds in spring wheat (including durum) and spring barley not underseeded to legumes and in certain grasses for forage or seed production. PP-23235 Herbicide is to be applied at the rate of 16.5 g a.i./ha with a recommended adjuvant at 0.2% v/v, such as Agral 90, AgSurf, and Citowett Plus. PP-23235 Herbicide is also labelled for use in tank mixture with 2,4-D Ester or Puma¹²⁰ Super for additional weed control. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

E.I. du Pont Canada Company has applied to amend the registration of PP-23235 Herbicide to include control claims for dandelion (spring and fall rosettes up to 15 cm in diameter) and white cockle at the registered application rate (i.e. 16.5 g a.i./ha) in spring wheat (including durum wheat) and spring barley in the Prairie Provinces and the Peace River Region of British Columbia.

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 patterns.

Value Assessment

Data from 13 efficacy trials were submitted for review. The trials were conducted in Alberta, Manitoba, and Saskatchewan during a four year period.

Efficacy data from nine trials demonstrate that PP-23235 Herbicide at 16.5 g a.i./ha + Agral 90 or AgSurf at 0.2% v/v provided an acceptable level of dandelion suppression with a mean control of 70.4% at the 19-35 days after treatment (DAT) and 84.3% at the 40-52 DAT. Therefore, a suppression claim for dandelion with the treatment of PP-23235 Herbicide + a non-ionic surfactant can be supported.

Efficacy data from five trials demonstrate that PP-23235 Herbicide at 16.5 g a.i./ha + Agral 90 or AgSurf at 0.2% v/v provided an acceptable level of white cockle control with a mean control of 89.7% at the 37-78 DAT. Therefore, a control claim for white cockle with the treatment of PP-23235 Herbicide + a non-ionic surfactant can be supported.

Crop tolerance data are not required for an application to add new pest claims.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of PP-23235 Herbicide to include a suppression claim for dandelion and a control claim for white cockle with the treatment of PP-23235 Herbicide + a non-ionic surfactant.

Reference

List of Studies/Information Submitted by Registrant

PMRA # 1729576: PP-23235 Herbicide for control of dandelion and white cockle in spring wheat (including durum) and barley. Pat Forsyth. March 11, 2009. DACO 10.1, 10.2.1, 10.2.2, 10.2.3.1, and 10.2.3.3. pp 302.

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