



Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2011-0886
Application: New Pests
Product: Simplicity
Registration Number: 28887
Active ingredients (a.i.): pyroxsulam
PMRA Document Number English PDF: 2053685

Background

Simplicity has been registered since January 31, 2008. Simplicity is registered as a herbicide for early post-emergence application to spring wheat, durum wheat and winter wheat not underseeded to legumes for the control of certain annual broadleaved and grassy weeds. It is registered for use alone or in several tank mixtures, including ones with Curtail M Herbicide, (Reg. No. 22764), Frontline XL Herbicide (Reg. No. 28804), Frontline 2,4-D Herbicide Tank-Mix, consisting of Frontline 2,4-D Suspension Concentrate (Reg. No. 27242) plus Frontline 2,4-D Emulsifiable Concentrate (Reg. No. 27243) and Prestige XC Herbicide Tank-Mix, consisting of Prestige XC A Herbicide (Reg. No. 29462) plus Prestige XC B Herbicide (Reg. No. 29465). 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 Simplicity (Reg. No. 28887), containing 2.87% (30 g/L) pyroxsulam, to include a claim of suppression for dandelion (*Taraxacum officinale*) (seedlings and over-wintered rosettes ≤ 20 cm) and a claim of control for annual sowthistle (*Sonchus oleraceus*), for labelled tank mixtures of Simplicity plus one of Curtail M Herbicide, Frontline XL Herbicide, Frontline 2,4-D Herbicide Tank-Mix, or Prestige XC Herbicide Tank-Mix.

Chemistry Assessment

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

Health and Environmental Assessments

Health and environmental assessments were not required as there was no change to the product formulation and use pattern.

Value Assessment

Data were submitted from eight field trials conducted in 2010 in western Canada in which the efficacy of Simplicity alone or in tank mixtures was evaluated for the suppression of dandelion (five trials) and/or control of annual sowthistle (six trials) when applied to spring cereals within the labelled weed developmental stage. Suppression of dandelion was achieved following application of Simplicity applied alone at 15 g a.i./ha with a labelled non-ionic surfactant. Control of annual sow thistle was achieved following application of tank mixtures of Simplicity (without a surfactant) plus one of Curtail M Herbicide, Frontline XL Herbicide, Frontline 2,4-D Herbicide Tank-Mix or Prestige XC Herbicide Tank-Mix at rates indicated on the Simplicity label.

As there was no change to the use pattern for Simplicity Herbicide, other than the addition of efficacy claims for dandelion and annual sowthistle, an assessment of crop tolerance was not required.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the proposed amendment to the registration of Simplicity to include:

- a suppression claim for dandelion (seedlings and over-wintered rosettes ≤ 20 cm) for the product applied alone at the labelled rate of 15 g a.i./ha (with a labelled non-ionic surfactant) and in registered tank mixtures at labelled rates; and,
- a control claim for annual sowthistle at the 1- to 5-leaf stage for the registered tank mixtures of 15 g a.i./ha Simplicity plus one of Curtail M, Frontline XL, Frontline 2,4-D Herbicide Tank-Mix and Prestige XC Herbicide Tank-Mix at rates specified on the Simplicity label.

References

List of Studies/Information Submitted by Registrant

Value Assessment

2018694 2010, Small Scale Field Trial Reports for Dandelion, DACO: 10.2.3.3

2018696 2010, Small Scale Field Trial Reports for Sow thistle, DACO: 10.2.3.3

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