



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

Application Number: 2013-5112
Application: Category B, Subcategory B.3.11 (new or changes to product label – new pests)
Product: Tundra Herbicide
Registration Number: 29367
Active ingredients (a.i.): 15.5 g/L pyrasulfotole, 87.5 g/L bromoxynil, & 46 g/L fenoxaprop-p-ethyl
PMRA Document Number : 2408288

Background

Tundra Herbicide is a post-emergent herbicide to control a broad spectrum of annual grasses and broadleaf weeds in spring wheat, durum wheat, and spring barley. It is registered for application at a rate of 2 L/ha (i.e., 31 g a.i./ha pyrasulfotole + 175 g a.i./ha bromoxynil + 92 g a.i./ha fenoxaprop-p-ethyl). Application of Tundra Herbicide with ammonium sulphate (AMS) is recommended for control of cleavers. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

Purposes of this application are to amend the Tundra Herbicide label as follows:

- (1) Include a control claim for narrow-leaved hawk's beard at the labelled rate.
- (2) Include a control claim for Canada fleabane (including glyphosate resistant biotypes) at the labelled rate plus AMS.
- (3) Amend the labelled suppression claim for giant ragweed to include glyphosate resistant biotypes.

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

Data submitted under application # 2013-5041 for evaluation of Canada fleabane control (including glyphosate resistant biotypes) with Infinity Herbicide are applicable to Tundra Herbicide. Canada fleabane control (including glyphosate resistant biotypes) could be achieved with Infinity Herbicide applied with AMS at their respective labelled rates.

Since two of the three active ingredients formulated in Tundra Herbicide, pyrasulfotole and bromoxynil (Group 6 and 27), are effective at controlling glyphosate (Group 9) resistant populations of Canada fleabane, it is also reasonable to believe that Tundra Herbicide may provide effective suppression of glyphosate resistant populations of giant ragweed.

Data from five field research trials conducted across various ecozones in Alberta, Saskatchewan, and Manitoba between 2005 and 2012 demonstrated that narrow-leaved hawk's-beard control could be achieved with the treatment of Tundra Herbicide at the labelled rate.

Inclusion of control of glyphosate resistant Canada fleabane and suppression of glyphosate resistant giant ragweed on the Tundra Herbicide label will provide farmer with a useful tool to manage glyphosate resistant weeds in agricultural production systems.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Tundra Herbicide to include the control of Canada fleabane (including glyphosate resistant biotypes) and narrow-leaved hawk's-beard and to amend the suppression of giant ragweed to include glyphosate resistant biotypes.

Reference

List of Studies/Information Submitted by Registrant

- PMRA # 2346244: 2013, Infinity Herbicide, Label expansion to include control of Canada fleabane, including glyphosate resistant biotypes, DACO: 10.1, 10.2, 10.2.2, 10.2.3, 10.2.3.1, and 10.2.3.3(B).
- PMRA # 2346245: 2013, Infinity, Tundra, and Velocity M3 All-in-One Herbicides, Label expansion to include control of narrow-leaved hawk's-beard, DACO: 10.1, 10.2, 10.2.2, 10.2.3, 10.2.3.1, and 10.2.3.3(B).

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