

Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2006-7762
Application: Category C, Subcategory 3.11
Product: Refine SG
Registration Number: 28285
Active ingredients (a.i.): thifensulfuron methyl at 33.35% and tribenuron methyl at 16.65%
PMRA Document Number: 1453898

Background

Refine SG Herbicide (PCP 28285) is registered for post-emergence application at 15 g a.i./ha for the control or suppression of broadleaf weeds in wheat (spring, winter or durum), spring barley and oats not underseeded to legumes or grasses, and in certain grasses for forage or seed production.

Refine SG is registered in tank mix with 53 or 70 g a.i./ha Banvel II Herbicide plus an adjuvant, for use on spring wheat (excluding durum) and spring barley for control or suppression of broadleaf weeds including cotyledon to 8-leaf group 2 resistant and susceptible kochia.

Refine SG is registered in tank mix with 350-560 g a.e./ha MCPA amine or ester or 280 g a.e./ha of MCPA ester plus an adjuvant, for use on wheat (spring, durum, winter), spring barley, and oats for control or suppression of broadleaf weeds including volunteer imazamox and imazethapyr tolerant canola.

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 submitted an application with data to amend the Refine SG Herbicide label (Reg. No. 28285) to add control of dandelion (spring or fall rosettes, less than 15 cm in diameter) with the following currently registered tank mixes:

1) Refine SG Herbicide at 15 g a.i./ha + Banvel II at 70 g a.i./ha + Agral 90, Ag-Surf, or Citowett Plus at 0.2% v/v for use on spring wheat (excluding durum) and spring barley only, not underseeded to legumes;

AND

2) Refine SG Herbicide at 15 g a.i./ha + MCPA ester at 280 g a.e./ha or at 350-560 g a.e./ha + Agral 90, Ag-Surf, or Citowett Plus at 0.2% v/v for use on wheat (spring, durum, winter), spring barley and oats.

Chemistry Assessment

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

Health Assessments

Health assessments were not required since the only change to the use pattern was to add dandelion as a new pest.

Environmental Assessment

An environmental assessment was not required since the only change to the use pattern was to add dandelion as a new pest.

Value Assessment

Reports from 9 replicated efficacy field trials that were conducted in 2005 and 2006 at 8 locations across the prairie provinces were submitted for review. These trials were conducted to demonstrate weed control of dandelion (*Taraxacum officinale*). Crop tolerance data were not required as all proposed tank mixes are currently registered.

The level of dandelion control achieved with an application of 70 g a.i./ha of Banvel II tank mixed with Refine SG and an application of 280 or 350-560 g a.e./ha of MCPA ester tank mixed with Refine SG was acceptable.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Refine SG Herbicide to include control of dandelion for the following currently registered tank mixes:

1) Refine SG Herbicide at 15 g a.i./ha + Banvel II at 70 g a.i./ha + Agral 90, Ag-Surf, or Citowett Plus at 0.2% v/v;

AND

2) Refine SG Herbicide at 15 g a.i./ha + MCPA ester at 280 g a.e./ha or at 350-560 g a.e./ha + Agral 90, Ag-Surf, or Citowett Plus at 0.2% v/v.

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

VALUE

- PMRA# 1339643 2006. Submission to register Refine SG + MCPA (280-420 gai/ha) and Refine SG + Banvel II (70 gai/ha) for control of common dandelion. Dupont-21459. DACO: 10.1,10.2.3.1,10.3.1,10.3. pp. 29
- PMRA# 1339644 2006. Test Reports. Dupont-21459. DACO: 10.2.3.3(B). pp. 101

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