



Evaluation Report for Category C, Subcategory 3.10 Application

Application Number: 2007-4516
Application: Category C, Subcategory 3.10 (New or Changes to Product Labels-Tank Mixes)
Product: Refine SG
Registration Number: 28285
Active ingredients (a.i.): thifensulfuron methyl at 33.35% and tribenuron methyl at 16.65%
PMRA Document Number: 1573501

Background

Refine SG Herbicide (PCP 28285) is registered at 15 g a.i./ha for selective post-emergent 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 to be applied from the 2-leaf to flag leaf growth stage of the crop.

MCPA Ester 500 (Nufarm MCPA Ester 500LV Liquid Herbicide, PCP 27054) is registered for weed control in cereals (not underseeded to legumes) and flax (do not use on low linolenic acid varieties). Rates are 350 - 550 g a.e./ha (0.7 - 1.1 L/ha) for susceptible weeds and 625 - 875 g a.e./ha (1.25 - 1.75 L/ha) for harder-to-control weeds.

MCPA Ester 600 (Nufarm MCPA Ester 600 Liquid Herbicide, PCP 27803) is registered at a rate of up to 630 g a.e./ha (1.05 L/ha) on spring wheat and spring barley. Rates are 348 - 540 g a.e./ha (0.58 - 0.9 L/ha) for susceptible weeds and 630 - 900 g a.e./ha (1.05 - 1.50 L/ha) for harder-to-control weeds.

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 to amend the registration of Refine SG Herbicide (PCP 28285) by adding tank mixes with MCPA ESTER 600 (e.g. 27803). The registered label for REFINE SG Herbicide currently includes several tank mixes with MCPA ESTER 500. This change will allow MCPA ESTER 600 to be used as an alternate formulation of MCPA in the following six tank mixes that include MCPA ESTER 500 on the REFINE SG Herbicide label:

- REFINE SG Herbicide + MCPA ESTER 500
- REFINE SG Herbicide + MCPA ESTER 500 + HORIZON 240 EC
- REFINE SG Herbicide + MCPA ESTER 500 + PUMA 120 SUPER
- REFINE SG Herbicide + MCPA ESTER 500 + ASSERT
- REFINE SG Herbicide + MCPA ESTER 500 + LONTREL 360
- REFINE SG Herbicide + MCPA ESTER 500 + AXIAL 100EC Herbicide

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 an alternate formulation of MCPA Ester to the currently registered tank mixes.

Environmental Assessment

An environmental assessment was not required since the only change to the use pattern was to add an alternate formulation of MCPA Ester to the currently registered tank mixes.

Value Assessment

A rationale to request a waiver for efficacy and crop tolerance data was submitted for review. It was concluded that efficacy and crop safety would not be compromised with the substitution of MCPA ESTER 600 for MCPA ESTER 500 for the same use pattern at the same active ingredient rate of MCPA Ester.

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 the following six tank mixes on the label:

- REFINE SG Herbicide + MCPA ESTER 600
- REFINE SG Herbicide + MCPA ESTER 600 + HORIZON 240 EC
- REFINE SG Herbicide + MCPA ESTER 600 + PUMA 120 SUPER
- REFINE SG Herbicide + MCPA ESTER 600 + ASSERT
- REFINE SG Herbicide + MCPA ESTER 600 + LONTREL 360
- REFINE SG Herbicide + MCPA ESTER 600 + AXIAL 100EC Herbicide

References

A. LIST OF STUDIES/INFORMATION SUBMITTED BY REGISTRANT

VALUE

PMRA# 1440497 2007, Rationale For Waiver Of Efficacy and Crop Tolerance Data Requirements For Bridging Use Of MCPA ESTER 500 To MCPA ESTER 600 in Tank Mixtures With REFINE SG Herbicide and Other Registered Tank Mix Partners, NA, MRID: NA, DACO: 10.1,10.2.3.1,10.3.1

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