

Evaluation Report for Category C, Subcategory C.3.10 Application (New or Changes to Tank Mixes)

Application Number: 2012-4483
Application: Category C, Subcategory C.3.10 (new or changes to tank mixes)
Product: Nuance Herbicide
Registration Number: 29468
Active ingredients (a.i.): 75% tribenuron methyl
PMRA Document Number : 2275320

Background

Nuance Herbicide, containing 75% tribenuron methyl, is registered for control of certain broadleaf weeds in summer-fallow, wheat (spring and durum), and barley and as a pre-seeding treatment on fields to be planted to wheat (spring and durum) and barley. Nuance Herbicide can be applied alone at 7.5 g a.i./ha or in tank mix with labeled herbicides, e.g. Nuance Herbicide at 7.5 g a.i./ha plus glyphosate herbicides at 450 g a.e./ha or at 270-360 g a.e./ha plus Agral 90 or Liberate at 0.35% v/v. 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 is to include a new tank mix on the Nuance Herbicide label.

- Nuance Herbicide at 7.5 g a.i./ha + Accurate Herbicide (Reg. No. 29242; 60% metsulfuron methyl) at 1.5 g a.i./ha + glyphosate at 450 g a.e./ha or at 270-360 g a.e./ha plus Agral 90 or Liberate at 0.35% v/v in summer fallow and as a pre-seeding treatment on fields to be planted to spring wheat (including durum wheat) and barley.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, formulation, use rate, and use pattern.

Value Assessment

Value information submitted included data from 11 trials conducted in spring wheat, spring barley, and summer fallow in the Prairie Provinces and British Columbia in 2012. Efficacy and crop safety of Nuance Herbicide in tank mix with Accurate Herbicide were directly compared to the registered treatment of Express Pro Herbicide, which is co-formulated with tribenuron methyl and metsulfuron methyl, at the same a.i. rates when they were applied with glyphosate herbicides.

Efficacy of the requested tank mix was evaluated for 16 weed species. Level of control of these weeds following the application of the requested tank mix was similar to the registered treatment of Express Pro Herbicide + glyphosate herbicide applied at the same a.i. rates.

Injury (visually assessed as a percentage relative to an untreated check) to spring wheat and spring barley each was evaluated in four trials. Injury was not observed for any treatment. Yield data confirmed that

spring wheat and spring barley exhibited an adequate margin of crop safety to the requested tank mix applied in accordance with the label.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Nuance Herbicide to include the option of tank mixing with Accurate Herbicide plus glyphosate herbicide.

Reference

List of Studies/Information Submitted by Registrant

PMRA # 2240729, 2240730, 2240731, 2240732, 2240733, 2240737, 2240738, 2240739, 2240741, 2240742, and 2240743: Trial reports. Prepared by Cheminova Canada. DACO 10.

ISSN: 1911-8082

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