



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

Application Number: 2010-0462
Application: Category C, Subcategory C.3.10 Application (New or Changes to Product Label - Tank Mixes)
Product: Starane Herbicide
Registration Number: 24815
Active ingredients (a.i.): Fluroxypyr (FLR)
PMRA Document Number : 1959023

Background

Starane Herbicide is a selective herbicide applied at a rate of 0.4-0.8 L/ha (72-144 g a.i./ha) for post-emergent control of annual broadleaved weeds including cleavers and certain ALS-resistant broadleaved weeds such as kochia in spring wheat, durum wheat, and spring barley. Starane Herbicide will also suppress hemp-nettle, common chickweed and wild buckwheat. Starane Herbicide is registered in tank mix with Achieve Liquid Herbicide, Curtail M Herbicide alone and with other herbicides, 2-4-D Ester alone and with other herbicides, or MCPA LV500 Herbicide alone and with other herbicides. Other herbicides, mentioned above, include Achieve Liquid Herbicide, Horizon Herbicide Tank-Mix, Assert 300 SC, Puma 120 Super, Everest Solupak 70 DF, Liquid Achieve SC Herbicide. 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 Starane Herbicide two new tank mixes:

- 1) a 2-way tank mix of Starane Herbicide (Reg. No. 24815) plus Refine Extra 75 DF (Reg. No. 22352) or Refine Extra 75 Toss-N-Go (Reg. No. 22575) plus a non-ionic surfactant (NIS) (Agral 90, Ag-Surf, or Citowett Plus) for use on wheat (spring and durum) and barley for control of labelled weeds, and
- 2) a 3-way tank mix of Starane Herbicide (Reg. No. 24815) plus 2,4-D Ester (2,4-D Ester LV 600 or 2,4-D Ester LV 700) plus Refine Extra 75 DF or Refine Extra 75 Toss-N-Go plus a NIS (Agral 90, Ag-Surf, or Citowett Plus) for use on spring wheat (excluding durum) and spring barley, for control of labelled weeds.

Chemistry Assessment

A chemistry assessment was not required as 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 the only change to the use pattern was an addition of two herbicide tank mixes.

Value Assessment

The applicant submitted rationales to support the proposed 2-way and 3-way tank mixes. It is expected that the 2-way and 3-way tank mixes would be efficacious as the active ingredients have already been tank mixed in the registered tank mix of Attain Herbicide Tank-Mix + Refine Extra 75 DF or Refine Extra 75 Toss-N-Go. Additionally, crop safety is expected. The proposed tank mixes can be supported from a value standpoint.

Conclusion

The Agency has completed an assessment of the subject application and has found the information sufficient to amend the registration of Starane Herbicide to include the following tank mixes:

- 1) Starane Herbicide plus Refine Extra 75 DF or Refine Extra 75 Toss-N-Go plus a NIS (Agral 90, Ag-Surf, or Citowett Plus) for use on wheat (spring and durum) and barley for control of labelled weeds, and
- 2) Starane Herbicide plus 2,4-D Ester plus Refine Extra 75 DF or Refine Extra 75 Toss-N-Go plus a NIS (Agral 90, Ag-Surf, or Citowett Plus) for use on spring wheat (excluding durum) and spring barley, for control of labelled weeds.

References

A. List of Studies/Information Submitted by Registrant

Value Assessment

1855121 2009, Part 10, Rationale, Starane + Refine Extra 75 DF; Starane + Refine Extra 75 Toss-N-Go Tank Mixes for application in Wheat, Barley & Durum, DACO: 10.1

1855122 2009, Part 10, Waiver, 2,4-D + Refine Extra 75 DF; Starane + 2,4-D + Refine Extra 75 Toss-N-Go, DACO: 10.1

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