

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

**Application Number:** 2010-2645  
**Application:** Category C, Subcategory C.3.10 (new or changes to tank mixes)  
**Product:** Starane II Herbicide  
**Registration Number:** 29463  
**Active ingredients (a.i.):** 333 g/L fluroxypyr  
**PMRA Document Number :** **1965412**

### Background

Starane II is a selective post-emergent herbicide for control of annual broadleaved weeds in spring wheat, durum wheat, and spring barley, not underseeded with legumes. Starane II offers control of hard-to-kill annual broadleaved weeds such as kochia and cleavers. Starane II also provides suppression of hempnettle, wild buckwheat, and chickweed. For Starane II alone treatment, the label rates range from 0.21 to 0.41 L/ha based on weed spectrum. Starane II can also be in tank mixture with a number of other herbicides for control of a broader weed spectrum. 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 submission is to amend the registration of Starane II to include:

- Tank mixture of Starane II at 0.21 or 0.31 L/ha + Simplicity at 375 or 500 mL/ha (rate structures are based on weed spectrum)
- Tank mixture of Starane II at 0.21 or 0.31 L/ha + Simplicity at 375 or 500 mL/ha + MCPA Ester at up to 560 g a.e./ha (rate structure are based on weed spectrum)

### Chemistry Assessment

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

### Health and Environmental Assessment

Health and environmental assessments were not required as there was no change to the product formulation and use pattern.

## **Value Assessment**

Scientific rationales in lieu of field research data were submitted for review. Based on the evidence made available, inclusion of (1) the 2-way tank mix of Starane II at 0.21 or 0.31 L/ha + Simplicity at 375 or 500 mL/ha and (2) the 3-way tank mixture of Starane II at 0.21 or 0.31 L/ha + Simplicity at 375 or 500 mL/ha + MCPA at up to 560 g a.e./ha in spring wheat and durum wheat was supported.

## **Conclusions**

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Starane II to include the tank mixtures of Starane II + Simplicity and Starane II + Simplicity + MCPA Ester in spring wheat and durum wheat and no further data are required.

## **Reference**

PMRA # 1916211: Scientific rationale to support the tank mixture of Starane Herbicide + Simplicity + MCPA Ester. Dow AgroSciences. DACO. 10.1, 10.2.3.1, and 10.3. 2010. pp. 2.

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