



## Evaluation Report for Category B, Subcategory B.3.10 and B.3.11 Application (New or Changes to the Tank Mixes and Pests)

**Application Number:** 2013-4638  
**Application:** Category B, Subcategory B.3.10 and B.3.11 (new or changes to product label – tank mixes and pests)  
**Product:** Simplicity Herbicide  
**Registration Number:** 28887  
**Active ingredients (a.i.):** 30 g/L pyroxsulam  
**PMRA Document Number:** 2359423

### Background

Simplicity is registered for post-emergence control or suppression of grasses and broadleaf weeds in spring wheat, durum wheat, and winter wheat not underseeded with legumes in the Prairie Provinces and Peace River Region of British Columbia. Simplicity can be applied at 15 g a.i./ha with a recommended non-ionic surfactant (NIS) at 0.25% v/v or in tank mixes with labelled herbicides and fungicides for additional pest control. 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 amend the registration of Simplicity to include 2,4-D Ester (at 280 g a.e./ha) as a new tank mix option for control of volunteer canola and lamb's-quarters in spring and durum wheat.

### Chemistry, Health, and Environmental Assessments

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

### Value Assessment

Data from 12 field research trials conducted across various ecozones in Alberta, Manitoba, and Saskatchewan between 2009 and 2012 demonstrated that volunteer canola and lamb's-quarters control could be achieved with the treatment of 280 g a.e./ha 2,4-D ester in tank mix with Simplicity.

Volunteer canola and lamb's-quarters are competitive and distributed across the wheat growing regions of the Canadian prairies. Control of these weeds in small grain cereals depends on phenoxy herbicides. Registering a lower rate of 2,4-D ester than currently registered 330-528 g a.e./ha for control of volunteer canola and lamb's-quarters will reduce the overall 2,4-D ester introduced into the environment, while still providing effective control at reduced costs to growers and contributing to resistance management.

## **Conclusions**

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Simplicity to include 2,4-D Ester as a new tank mix option for control of volunteer canola and lamb's-quarters in spring and durum wheat.

## **Reference**

### List of Studies/Information Submitted by Registrant

PMRA # 2338270      2013, Small Scale Field Trial Reports - BRSNN and CHEAL, DACO: 10.2.3.3.

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