

## Evaluation Report for Category B, Subcategory 3.10, 3.11 Application

**Application Number:** 2008-2811  
**Application:** B.3.10, B.3.11: Changes to product label – tank mixes, new pests  
**Product:** Triton C Herbicide  
**Registration Number:** 28622  
**Active ingredients (a.i.):** Tribenuron-methyl [MEX]  
Thifensulfuron-methyl [MMM]  
Quinclorac [QUC]  
**PMRA Document Number : 1800885**

### Purpose of Application

The purpose of this application was to amend the registration of Triton C Herbicide (Reg. No. 28622) to add the tank mix of Triton C Herbicide with Axial 100EC Herbicide (Reg. No. 28642) plus Adigor (Reg. No. 28151) or Merge adjuvant (Reg. No. 24702) plus MCPA Ester (500 and 600 series) (Reg. Nos. 22199 and 29002) for use in spring wheat, durum wheat and spring barley (for feed purposes only). In addition to the broadleaf weeds controlled by Triton C Herbicide alone and a number of grass weeds controlled by Axial 100EC Herbicide alone, the registrant has requested the addition of dandelion and volunteer imazamox/imazethapyr tolerant canola to the label of Triton C Herbicide for control with the subject tank mix.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

To support the registration of the new tank mix, no new residue data were submitted. Previously reviewed residue data were reassessed in the framework of this petition. Triton C Herbicide (quinclorac, thifensulfuron methyl and tribenuron methyl), and the tank mix partners Axial 100EC Herbicide (pinoxaden) and MCPA Ester 500 or 600 series (MCPA) are currently registered for use on spring wheat and spring barley. The 3-way tank mixture use of Triton C Herbicide + Axial 100EC Herbicide + MCPA Ester on spring wheat and spring barley at rates equal to or less than the registered ones will not result in residues exceeding their established MRLs. Consequently, no increase in dietary exposure is anticipated.

### Environmental Assessment

The subject tank mix use will not result in increased environmental exposure relative to the existing registered products (Triton C Herbicide, Axial 100EC Herbicide, Adigor or Merge adjuvant and MCPA Ester 500/600).

## **Value Assessment**

Efficacy, crop tolerance and yield data were submitted from six replicated small plot field trials conducted in Alberta (2), Saskatchewan (2) and Manitoba (2) in 2006 (3) and 2007 (3). Rationales were also provided to support 1) the control of two additional weeds, dandelion and imazamox/imazethapyr tolerant volunteer canola, with the subject tank mix and 2) the use of the subject tank mix on spring barley. The data provided demonstrate that the subject tank mix can be expected to provide acceptable control or suppression of the requested Triton C Herbicide labelled broadleaf weeds and Axial 100EC Herbicide labelled grass weeds (green foxtail is suppression only), as well as control of dandelion and imazamox/imazethapyr tolerant volunteer canola. With respect to the crops, the provided data indicate that unacceptable injury to spring wheat or spring barley is not likely to result when they are treated with the subject tank mix between the 3- and 5-leaf (up to 2 tiller) stage of the crop. Based on the data provided, the addition of the tank mix of Triton C Herbicide+ Axial 100EC Herbicide+ MCPA ester + Adigor or Merge adjuvant to the Triton C Herbicide label for the control or suppression of requested Triton C Herbicide labelled broadleaf weeds and Axial 100EC Herbicide labelled grass weeds, in addition to the control of dandelion and imazamox/imazethapyr tolerant volunteer canola, in spring wheat and spring barley can be supported from a value perspective.

## **Conclusion**

The PMRA has completed an evaluation of this application. The PMRA has found that the information submitted is sufficient to support the addition of the tank mix of Triton C Herbicide + Axial 100EC Herbicide+ MCPA ester (500 and 600 series) + Adigor or Merge Adjuvant to the Triton C Herbicide label for the control or suppression of Triton C Herbicide labelled broadleaf weeds and certain Axial 100EC Herbicide labelled grass weeds, in addition to the control of dandelion and imazamox/imazethapyr tolerant volunteer canola, in spring wheat and spring barley.

## **References**

### **Studies/Information Provided by Applicant/Registrant**

PMRA # 1625510 Efficacy and Crop Tolerance of Triton C Herbicide + Axial 100EC + MCPA Ester in Spring Wheat and Spring Barley. DACO's 10.1, 10.2.3.1, 10.2.3.3, 10.3.1 and 10.3.2. 169 pp.

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