

## Evaluation Report for Category B, Subcategory 3.5 Application

**Application Number:** 2009-4462  
**Application:** Addition of re-cropping claim  
**Product:** Infinity Herbicide  
**Registration Number:** 28738  
**Active ingredients (a.i.):** Pyrasulfotole (PSA)  
Bromoxynil (BRY)  
**PMRA Document Number English PDF:** 2006979

### Purpose of Application

The purpose of this application was to include a 10 month re-cropping interval for sunflowers, potatoes, and tomatoes for Infinity Herbicide which is currently registered for control and suppression of specific grass and broadleaf weeds in spring wheat, durum wheat, barley, triticale, timothy and winter wheat (grown for seed production).

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

Toxicological and occupational exposure assessments were not required for this application.

Previously reviewed data were re-assessed in the context of the current application. The addition of a 10 month re-cropping interval for potato, sunflower and tomato (Eastern Canada and Manitoba only) to the Infinity Herbicide label can be supported from the food residues perspective. Exposure to residues of pyrasulfotole and bromoxynil should not increase for any segment of the population.

### Environmental Assessment

An environmental assessment was not required for this application.

### Value Assessment

Rotational crop data from 23 field trials conducted over 4 assessment periods (2003-2004, 2005-2006, 2006-2007 and 2007-2008) at sites located across the prairie provinces and northern U.S. states were submitted to support a 10 month re-cropping interval for potato, sunflower and tomato (eastern Canada and Manitoba only) on the Infinity Herbicide label. The evidence included crop injury assessments and yield data.

Based on the information submitted, a 10 month re-cropping interval for potato, sunflower and tomato (eastern Canada and Manitoba only) were supported from a rotational crop safety perspective.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided in support for the product, Infinity Herbicide, and has found the information sufficient to support the addition of a new re-cropping claim.

## **References**

<i>PMRA No.</i>	<i>Title</i>
1816578	2009, Infinity Herbicide (pyrasulfotole + bromoxynil) for broadleaf weed control in tame oats, DACO: 10, 10.3.3

ISSN: 1911-8082

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