

## Evaluation Report for Category B, Subcategory 3.12 Application

**Application Number:** 2014-4922  
**Application:** Changes to product label – new site  
**Product:** Simplicity Herbicide  
**Registration Number:** 28887  
**Active ingredients (a.i.):** pyroxsulam  
**PMRA Document Number :** 2579106

### Purpose of Application

The purpose of this application was to remove the following restriction: FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND PEACE RIVER REGION OF BRITISH COLUMBIA ONLY from the Simplicity Herbicide label.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

A toxicology and occupational exposure assessments were not required for this application.

No new residue data for pyroxsulam and the safener cloquintocet-mexyl in wheat (spring, durum and winter) were submitted to support of extending the registration of Simplicity Herbicide to all regions across Canada. The previously reviewed crop field trial data was reassessed in the framework of the current application and confirmed that the use of Simplicity Herbicide is not expected to result in an increase in the magnitude of the residues of pyroxsulam and the safener cloquintocet-mexyl in/on wheat. Therefore, the use of Simplicity Herbicide in all regions of Canada will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

### Environmental Assessment

No additional environmental data were required to support the use expansion of Simplicity on wheat across all of Canada. The use expansion may result in exposure to marine/estuarine organisms, which was not expected when use was restricted to the Prairie Provinces and the Peace River Region of British Columbia. When used according to label directions, Simplicity is not expected to pose a risk to estuarine/marine organisms. No increase in environmental exposure to sensitive freshwater and terrestrial habitats is expected compared to currently

registered uses on wheat.

Spray drift of pyroxsulam and the formulation Simplicity can pose a risk to terrestrial plants, aquatic vascular plants and amphibians. To mitigate the risk from the effects of spray drift, no-spray buffer zones are required to protect sensitive terrestrial and freshwater habitats. These are already specified on the product label. Precautionary statements are already included on the label to identify concerns regarding the leaching potential of pyroxsulam and its transformation products, runoff, and the aromatic petroleum distillate present as a component in the formulation.

### **Value Assessment**

The information reviewed for the original registration of pyroxsulam consisted of data from a substantial number of small plot field trials conducted in Manitoba, Saskatchewan and Alberta. That information has been found to be supportive of the expansion of use to eastern Canada as it indicated a consistent level of performance across those three provinces.

The expansion of the use of pyroxsulam to include eastern Canada will provide wheat growers with an alternative herbicide for weed management.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Simplicity Herbicide, and has found the information sufficient to support the use expansion of Simplicity on wheat across all of Canada

### **References**

None.

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