

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

**Application Number:** 2010-2825  
**Application:** Changes to product label – tank mix, new pests and level of control  
**Product:** Frontline XL Herbicide  
**Registration Number:** 28887  
**Active ingredients (a.i.):** Florasulam and MCPA  
**PMRA Document Number :** 2269056

### Background

Frontline XL Herbicide (Registration number 28804; guarantee: florasulam, 4 g/L + MCPA, present as 2-ethylhexyl ester, 280 g a.e./L), is currently registered for use on spring wheat (including durum), spring barley and oats in the Prairie Provinces and Peace River Region of British Columbia for the postemergent control of annual broadleaved weeds including cleavers, wild buckwheat and chickweed.

### Purpose of Application

The purpose of this application was to amend the registration of Frontline XL Herbicide by adding new pests (control of cow cockle and suppression of narrow-leaved hawk's beard), a new tank-mix with Simplicity Herbicide (Registration number 28887; guarantee 2.87% pyroxsulam), and a new level of control for stork's bill.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

Toxicology and occupational assessments were not required for this application.

No new residue data were submitted in support of this application. The proposed tankmix of Frontline XL Herbicide and Simplicity Herbicide for use on spring and durum wheat is currently registered on the Simplicity Herbicide label with the same use pattern and restrictions. Consequently, no increase in dietary exposure is anticipated.

### Environmental Assessment

The use pattern, application rate and number of applications are the same as currently registered. No additional environmental risk is expected from the use of this product. Additional

environmental data were not required to support this use expansion. Environmental concerns are mitigated on the existing label.

### **Value Assessment**

Three trials were submitted to support the control claim for cow cockle. The data showed 100% control at the last rating for both florasulam alone and with MCPA ester, indicating a lack of antagonism. The data support a control claim for cow cockle.

Five trials were submitted to support the suppression claim for narrow-leaved hawk's-beard. The data showed 61% control with florasulam alone and 81% control with florasulam + MCPA ester. This data indicate that narrow-leaved hawk's-beard is suppressed by florasulam alone. Since the tank-mix of florasulam + MCPA ester indicated a lack of antagonism, along with improved control of narrow-leaved hawk's-beard over florasulam alone, the data support a suppression claim for narrow-leaved hawk's-beard.

The rationale submitted to support the amendment of stork's bill from suppression claim to control was insufficient. The registrant choose to withdraw this proposed label amendment.

The rationale submitted to support the tank mix of Frontline XL Herbicide and Simplicity Herbicide was sufficient and therefore, this tank mix can be supported from a value standpoint.

### **Conclusion**

The PMRA has completed an assessment of available information for Frontline XL Herbicide and has found the information sufficient to support the amendment of the Frontline XL Herbicide label to include: control of cow cockle, suppression of narrow-leaved hawk's beard, and a tank mix of Frontline XL Herbicide and Simplicity Herbicide.

### **References**

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- 1922569 2010, Field Reports-Florasulam on CVPTE with TOC, DACO: 10.2.3.3
- 1922570 2010, Field Reports-Florasulam on VAAPY with TOC, DACO: 10.2.3.3
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- 1969964 2010, Clarification Response, Florasulam on CVPTE Edited Report 2010-2825, DACO: 10.2.3.1

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