

## **Evaluation Report for Category B, Subcategory B.3.11 Application (New or Changes to Product Label – New Pests)**

**Application Number:** 2016-1980  
**Application:** Category B.3.11 (New or changes to product label – New pests)  
**Product:** Heat LQ  
**Registration Number:** 31468  
**Active Ingredient (a.i.):** 342 g/L saflufenacil  
**PMRA Document Number :** 2638629

### **Background**

Heat LQ is registered for pre-seed and pre-emergent control of broadleaf weeds in small grain cereals, pulse crops, and chemfallow, for pre-harvest weed management in wheat, barley, and triticale, and as a harvest aid in canola, dry common beans, red lentil varieties, dry field peas, flax, mustard, soybeans and sunflowers. 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 was to include a claim of suppression of secondary flushes of cleavers (4-whorle stage) on the Heat LQ label for pre-seed or pre-emergent application at the labelled high rate of 146 mL/ha.

### **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**

Cleavers is a serious and growing weed problem in many crop production areas. A single cleavers plant can produce 3500 seeds. The seeds of cleavers are similar in size and shape to canola, making them a serious contaminant and very difficult to be screened out. The Canada Seeds Act lists cleavers as a class 2 primary noxious weed. The inclusion of suppression of secondary flushes of cleavers on the Heat LQ label would provide farmers with more options to manage this problematic weed.

Value information, which included data from field trials conducted on small grain cereals and pulse crops in the Canadian Prairies, demonstrated that Heat LQ Herbicide applied at 146 mL/ha + 1.0% v/v Merge Adjuvant provided acceptable suppression of secondary flushes of cleavers.

## **Conclusion**

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Heat LQ Herbicide to include a claim of suppression of secondary flushes of cleavers.

## **Reference**

List of Studies/Information Submitted by Registrant

|                |   |
|----------------|---|
| PMRA # 2631062 | 2016, HEAT LQ (active ingredient: saflufenacil): Petition for suppression of secondary flushes of cleavers, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3, 10.3, and 10.4. |
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