

## Evaluation Report for Category B, Subcategory 3.4 Application

**Application Number:** 2011-1545  
**Application:** B.3.4: Change Product Label – Application Method  
**Product:** Centurion Emulsifiable Concentrate Post-Emergence Herbicide  
**Registration Number:** 27598  
**Active ingredients (a.i.):** Clethodim (CLE)  
**PMRA Document Number:** 2185456

### Purpose of Application

The purpose of this application was to add aerial application to canola (including imazethapyr tolerant varieties), flax (including low linolenic acid varieties), field peas, lentils, Desi and Kabuli chickpeas, potatoes, yellow mustard, Oriental (brown) mustard (condiment and oilseed types), soybeans, sunflowers and dry common beans to the Centurion Emulsifiable Concentrate Post-Emergence Herbicide label.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

A health risk assessment conducted for chemical handlers for aerial applications of clethodim identified no unacceptable risk for mixer/loaders and applicators handling Centurion Emulsifiable Concentrate Post-Emergence Herbicide. Exposure to re-entry workers and bystanders is not expected to increase over the current registered use pattern of clethodim. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Given that the crops treated with Centurion Emulsifiable Concentrate Post-Emergence Herbicide by aerial application are registered at the same rates, application number and PHI as on the registered label by ground application, and that the minimum application volume for application by air is 28 L/ha, application of Centurion Emulsifiable Concentrate Post-Emergence Herbicide by air is not expected to change the residue profile for clethodim based on the crop field trial data on file for ground application. Therefore, the dietary exposure to food and drinking water is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

## **Environmental Assessment**

No environmental risk assessment was required as aerial application will not result in higher environmental risk. Aerial application was previously supported by the PMRA for emergency requests at the same number and rate of application. The buffer zones of 15-20 metres for aerial application were established.

## **Value Assessment**

The applicant submitted information in the form of a scientific rationale complemented by use history information in support of the reduced water volumes of 28-55 L/ha for aerial application to canola (including imazethapyr tolerant varieties), flax (including low linolenic acid varieties), field peas, lentils, Desi and Kabuli chickpeas, potatoes, yellow mustard, Oriental (brown) mustard (condiment and oilseed types), soybeans, sunflowers and dry common beans. Aerial application to the Centurion EC Herbicide Concentrate Post-Emergence Herbicide label can be supported by the information provided from a value perspective.

## **Conclusion**

The PMRA has reviewed the information provided in support of this application and determined the aerial application to canola (including imazethapyr tolerant varieties), flax (including low linolenic acid varieties), field peas, lentils, Desi and Kabuli chickpeas, potatoes, yellow mustard, Oriental (brown) mustard (condiment and oilseed types), soybeans, sunflowers and dry common beans to the Centurion Emulsifiable Concentrate Post-Emergence Herbicide is acceptable for full registration.

## **References**

- 2038604 2011, Select or Centurion Herbicide: Rationale for Use in Aerial Applications  
- Scientific rationale in lieu of data - Part 10 Value, DACO:  
10.1,10.2,10.2.3,10.2.3.1,10.2.3.3(B),10.3,10.3.1,10.3.2(A)
- 2041981 2010, Exposure Assessment (Occupational and/or Bystander) in support of  
Aerial Application of the End Product Select Emulsifiable Concentrate  
Post-Emergence Herbicide, DACO: 5.2,5.3

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