



## Evaluation Report for Category B, Subcategory 3.12 Application

**Application Number:** 2016-3201  
**Application:** B.3.12: New Site or Host  
**Product:** Poast Ultra Liquid Emulsifiable Herbicide  
**Registration Number:** 24835  
**Active ingredients (a.i.):** Sethoxydim  
**PMRA Document Number :** 2822572

### Purpose of Application

The purpose of this application was to clarify the reference to mustard on the Poast Ultra Liquid Emulsifiable Herbicide label so that it is clear that “mustard” includes oriental mustard, both condiment and oilseed types.

### Chemistry Assessment

Chemistry assessment was not required for this application.

### Health Assessments

No new residue data for sethoxydim in/on mustard oilseed or condiment type were submitted to support the use expansion of this active ingredient on the Poast Ultra Liquid Emulsifiable Herbicide label. Previously reviewed residue data and processing data from field trials conducted in/on rapeseed (canola) (representative of the rapeseed subgroup 20A, which includes mustard oilseed type) were reassessed in the framework of this petition.

### Maximum Residue Limit(s)

The recommendation for maximum residue limits (MRLs) for sethoxydim was based upon the previously reviewed canola field trial data, and the guidance provided in the [OECD MRL Calculator](#). An MRL to cover residues of sethoxydim, including the metabolites containing the cyclohexen-2-one moiety, expressed as sethoxydim, in/on mustard commodities, both condiment and oilseed type, is proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

Commodity	Application Method/ Total Application Rate (kg a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAF T			

<b>Commodity</b>	<b>Application Method/</b>	<b>PHI (days)</b>	<b>Residues (ppm)</b>		<b>Experimental Processing</b>	<b>Currently Established</b>	<b>Recommended MRL</b>
Rapeseed (canola)	0.5-0.8	60-79	0.12	15.64	0.03X (canola oil)	Mustard: 2 ppm	Mustard seeds (oilseed and condiment type): 25 ppm

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Following the review of all available data, the MRL as proposed in Table 1 is recommended to cover residues of sethoxydim. Residues in mustard seeds (condiment and oilseed type) at the proposed MRL will not pose an unacceptable health risk to any segment of the population, including infants, children, adults and seniors.

### **Environmental Assessment**

The use expansion for Poast Ultra Liquid Emulsifiable Herbicide to include oriental mustard does not result in changes in environmental concerns as application rates are the same as currently registered on the label and the existing label statements are adequate for risk mitigation.

### **Value Assessment**

Amending the wording for mustard will make it clearer for users of Poast Ultra Liquid Emulsifiable Herbicide that this product can be applied to both yellow and oriental mustard varieties that are to be used for condiment and oil purposes.

A rationale was provided in support of the subject registration amendment request. The provided rationale outlined that sethoxydim (the active ingredient in Poast Ultra Liquid Emulsifiable Herbicide) has been registered for use on mustard since the mid 1990's and that broadleaf crops (including mustard) have considerable tolerance to sethoxydim. Data for a similar previous formulation of Poast Ultra Liquid Emulsifiable Herbicide demonstrated that acceptable tolerance of mustard (including both yellow and oriental varieties) would be expected after treatment with Poast Ultra Liquid Emulsifiable Herbicide at a rate up to 495 g a.i./ha. Given that the new label wording for "mustard" will be more restrictive than that which currently appears on the Poast Ultra Liquid Emulsifiable Herbicide label, coupled with the aforementioned points, the subject registration amendment request can be supported from a value perspective.

### **Conclusion**

PMRA has reviewed the information provided in support of label text to clarify the "mustard" claim on the label. Based on the results of this review, the updated text clarifying the "mustard" claim includes oriental mustard, both condiment and oilseed types.

## References

- 2657731 2016, Poast Ultra Liquid Emulsifiable Herbicide, Waiver Request for the Exemption from Part 10, Value for the Expansion of Mustard to include both Condiment and Oilseed Types, DACO: 10.1.

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**8 Sa Majesté la Reine du chef du Canada, représentée par le ministre des Travaux publics et Services gouvernementaux Canada 2017**

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