



## Tank Mixes

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

**Application Number:** 2017-4839  
**Application:** Tank Mixes  
**Product:** Refine SG Herbicide  
**Registration Number:** 28285  
**Active ingredients (a.i.):** Thifensulfuron-methyl, Tribenuron-methyl  
**PMRA Document Number :** 2840287

#### Background

Refine SG Herbicide was first registered on March 30, 2006. Refine SG Herbicide is registered for use on wheat (spring, winter or durum), spring barley, oats and certain grass species (forage or seed production) for selective post-emergent control or suppression of broadleaf weeds. 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 expand the registration of Refine SG Herbicide to include five additional non-ionic surfactant (NIS) options: Liberate Adjuvant (Reg. No. 29491), Ag-Surf II (Reg. No. 30267), HiActivate Non-Ionic Liquid Spreader/Activator (Reg. No. 31817), Super Spreader Adjuvant (Reg. No. 17402) and Enhance (Reg. No. 29270) applied at 0.2 or 0.25% v/v.

#### Chemistry Assessment

A chemistry assessment was not required as there was no change to the product formulation.

#### Health and Environmental Assessment

Health and environmental assessments were not required since there are no changes made to the application rate and use pattern of all tank mix components.

#### Value Assessment

A rationale cited precedent products with similar active ingredients that are registered on each non-ionic surfactant label (Liberate Adjuvant, Ag-Surf II, HiActivate Non-Ionic Liquid Spreader/Activator, Super Spreader Adjuvant and Enhance). When applied at 0.2 or 0.25% v/v, efficacy and crop tolerance are not expected to be compromised when one of the non-ionic surfactants are applied with Refine SG Herbicide to labeled crops and weeds. This will provide growers with additional surfactant options and greater flexibility in managing broadleaf weeds in labeled crops.

## **Conclusion**

The PMRA has conducted an assessment of the subject application and has determined that in accordance with the label, the submitted information is adequate to support five additional non-ionic surfactants: Liberate Adjuvant, Ag-Surf II, HiActivate Non-Ionic Liquid Spreader/Activator, Super Spreader Adjuvant and Enhance.

## **References**

### List of Studies/Information Submitted by Registrant

#### Value Assessment

2800698      2017, Rationale to Support the use of Additional Non-Ionic Surfactants with DuPont Herbicide Products, DACO: 10.2,10.2.3,10.2.3.1,10.3,10.3.2,10.3.2(A)

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