

## Evaluation Report for Category B, Subcategory B.3.10 Application (New or Changes to Product Label – Tank Mixes)

**Application Number:** 2018-5811  
**Application:** Category B.3.10 (New or changes to product label – Tank mixes)  
**Product:** Carrier  
**Registration Number:** 30639  
**Active ingredients (a.i.):** 50% mineral oil and 40% surfactant blend  
**PMRA Document Number:** 2946251

### Background

Carrier is registered for application at 0.5% v/v with herbicides containing the following active ingredients: clethodim, flumioxazin, fluroxypyr, or tralkoxydim. 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 amend the registration of Carrier to include Signal Herbicide (Reg. No. 29172; 240 g/L clodinafop-propargyl) as a tank mix partner with which Carrier may be used.

### 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

The availability of Carrier for application with Signal Herbicide would provide an additional adjuvant option to applicators of this product.

Value information submitted for review included data from field research trials, which were conducted in spring wheat in the Canadian Prairies. The trial data demonstrated that in terms of both efficacy and crop safety, the performance of Signal Herbicide applied at 230 mL/ha with 0.25% v/v Carrier can be expected to be comparable to that of this herbicide applied with 0.25% v/v Nufarm Enhance, which is a recommended adjuvant as per the label of Signal Herbicide.

Given that (1) Signal Herbicide applied at 230 mL/ha with Carrier at 0.25% v/v was agronomically equivalent to Signal Herbicide applied at 230 mL/ha with Nufarm Enhance at 0.25% v/v and (2) Signal Herbicide is registered at 230 and 290 mL/ha with Nufarm Enhance at 0.25 and 0.32% v/v, respectively, the application rates of Carrier at 0.25 and 0.32% v/v are supported for use with Signal Herbicide at 230 and 290 mL/ha, respectively, from a value standpoint.

## **Conclusion**

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the requested amendment to the registration of Carrier to include Signal Herbicide with which Carrier may be included in the spray solution at 0.25-0.32% v/v.

## References

### List of Studies/Information Submitted by Registrant

PMRA # 2931803      2018, A rationale based on trial data to support the use of Carrier as an adjuvant tank-mixed with Signal Herbicide for the control of labelled grassy weeds, DACO: 10.2.3, 10.2.3.1, 10.2.3.3(B), and 10.3.2(A).

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