

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

**Application Number:** 2016-1264  
**Application:** Category B, Subcategory B 3.10 (new tank mixes)  
**Product:** Barricade SG  
**Registration Number:** 29544  
**Active ingredients (a.i.):** 25% thifensulfuron-methyl / 25% tribenuron-methyl  
**PMRA Document Number :** 2640790

### Background

Barricade SG is registered for selective post-emergent control or suppression of broadleaf weeds in wheat (spring, winter and durum), spring barley and oats not underseeded to legumes or grasses, and in certain grasses for forage or seed production. 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 Barricade SG to include the following new tank mixes for use on spring wheat (including durum):

- **Barricade SG + Perimeter II + MCPA ester + (Horizon 240 EC or Simplicity or Traxos Herbicide) + non-ionic surfactant or adjuvant (if required)**

### 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

Wild oat is a serious weed problem in western Canada and growers are searching for convenient, one pass broadleaf and grassy weed control options in wheat. In support of the subject tank mixes, the applicant provided a value summary that discussed the results of three small plot field trials conducted in Saskatchewan and Alberta in 2015. Occasionally post-emergence grass herbicides exhibit antagonism when tank mixed with some broadleaf herbicides, resulting in reduced grassy weed control. The field trial results demonstrated comparable levels of wild oat control with the subject three tank mixes, indicating that there is no antagonism. The trial reports also indicated acceptable levels of crop tolerance to spring wheat. The information provided support the value of the three subject tank mixes for use on spring wheat (including durum).

## Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Barricade SG to include the following tank mixes for use on spring wheat (including durum):

**Barricade SG + Perimeter II + MCPA ester + (Horizon 240 EC or Simplicity or Traxos Herbicide) + non-ionic surfactant or adjuvant (if required)**

## References

List of Studies/Information Submitted by Registrant

**2613197      2016, Efficacy of Barricade SG + Perimeter II + MCPA Ester + Simplicity, Horizon 240 EC or Traxos Tankmixes in Spring Wheat (Including Durum), DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3, 10.2.3.3(B), 10.3.2(A)**

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