

## Evaluation Report for Category B, Subcategory B 3.10, 3.11 Application (New or Changes to Product Label – tank mixes, new pests)

**Application Number:** 2019-4324  
**Application:** Category B, Subcategory B 3.10, 3.11  
**Product:** Barricade SG  
**Registration Number:** 29544  
**Active ingredients (a.i.):** 25% thifensulfuron-methyl  
25% tribenuron-methyl  
**PMRA Document Number:** 3079268

### Background

Barricade SG is presently registered for use on wheat (spring, winter and durum) spring barley and oats both alone and with various tank mix partners. 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 as follows:

- Expand the application stage for cleavers from 1-6-whorl to 1-9-whorl when Barricade SG is tank mixed with Perimeter II Herbicide + MCPA Ester
- Add control of hemp-nettle from 1-8 leaves when Barricade SG is tank mixed with Perimeter II Herbicide + MCPA Ester
- Add a tank mix with Varro Herbicide based on precedent
- Add a tank mix Traxos Herbicide based on precedent
- Change the reference of volunteer Clearfield canola control to “Volunteer canola, including Group 2 herbicide tolerant varieties” when applied with certain tank mix partners.
- Several minor/administrative changes as indicated on the label including removing tank mix partners.

### 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**

A scientific rationale based on precedent registrations was submitted in support of tank mixes of Barricade SG + Varro or Traxos. The rationale was found to be acceptable. A value summary detailing the results of small-scale field trials demonstrating the control of cleavers at a later growth stage and of hemp-nettle was also provided. The data demonstrate that both cleavers and hemp-nettle are controlled with the tank mix of Barricade SG + Perimeter II Herbicide + MCPA ester. All other minor label changes are acceptable.

The expansion of weed claims for cleavers and hemp-nettle, and the addition of tank mix partners broadens the weed spectrum and gives users more flexibility in choosing tank mixes based on their individual needs.

## **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 aforementioned changes.

## References

### List of Studies/Information Submitted by Registrant

3026227, 2019, Barricade SG + Perimeter II Herbicide + MCPA Ester Herbicide for Control of Large Staged Cleavers and Hempnettle in Wheat (Spring, Durum and Winter) and Barley, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3(B)
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3026229, 2019, Rationale to Support the Tank Mixes of Barricade SG with Traxos Herbicide or Varro Herbicide, DACO: 10.1, 10.2, 10.2.3.1
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