

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

**Application Number:** 2020-0845  
**Application:** Category B.3.10 (New or changes to product label – Tank mixes)  
**Product:** Focus Herbicide  
**Registration Number:** 32292  
**Active Ingredient (a.i.):** 447g/L pyroxasulfone and 53 g/L carfentrazone-ethyl  
**PMRA Document Number:** 3124500

### Background

Focus Herbicide is registered for pre-plant and pre-emergent control of annual grasses and broadleaf weeds in spring and winter wheat, field corn, soybean, and lentils. It is recommended for application alone or in tank mix with glyphosate herbicide or Aatrex Liquid 480 (in field corn only). 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 is to include a tank mixture with Express SG at 7.5 g a.i./ha plus glyphosate at 450 g a.e./ha for additional control of the weeds controlled by the 2-way tank mixture of Express SG plus glyphosate at the same rates (appearing on the Express SG label). This tank mixture is intended for pre-plant application in spring and winter wheat, soybean, and lentil.

### 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 inclusion of the 3-way tank mixture of Focus Herbicide + Express SG + glyphosate is supported since its efficacy and host claims and use pattern are consistent with those registered for Focus Herbicide and the 2-way tank mixture of Express SG + glyphosate. This was corroborated with confirmatory data from field trials conducted in the Canadian Prairies in 2018 and 2019.

Expansion of the Focus Herbicide label to include the tank mixture with Express SG plus glyphosate provides growers flexibility for pre-plant burndown control of a broad spectrum of weeds with soil residual activity, allowing growers to arrange in-crop application with a wider application window. Furthermore, the registration of the tank mixture offers growers an one-pass pre-plant application option with four herbicide modes of action (Group 2, 9, 14, and 15) with overlapping spectrums of control, providing a valuable tool that may help delay the development of resistant weed biotypes in the host crops.

## **Conclusion**

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the inclusion of the tank mixture with Express SG plus glyphosate on the Focus Herbicide label.

## References

### List of Studies/Information Submitted by Registrant

#### PMRA

- 3097380 2018, FOCUS (pyroxasulfone + carfentrazone) + tribenuron for burndown and pre-emergent weed control in wheat, DACO: 10.2.3.3.
- 3097381 2019, FOCUS (pyroxasulfone + carfentrazone) tank mix with tribenuron products (EXPRESS SG, EXPRESS PRO, EXPRESS FX) for burndown and extended control of volunteer canola, wild mustard and kochia in spring wheat, DACO: 10.2.3.3.
- 3097382 2019, FOCUS (pyroxasulfone + carfentrazone) tank mix with tribenuron products (EXPRESS SG, EXPRESS PRO, EXPRESS FX) for burndown, DACO: 10.2.3.3 N Y
- 3097383 2018, FOCUS (pyroxasulfone + carfentrazone) + tribenuron for burndown and pre-emergent weed control in wheat, DACO: 10.2.3.3.
- 3097384 2018, FOCUS (pyroxasulfone + carfentrazone) + tribenuron for burndown and pre-emergent weed control in wheat, DACO: 10.2.3.3.
- 3097385 2018, FOCUS (pyroxasulfone + carfentrazone) + tribenuron for burndown and pre-emergent weed control in wheat, DACO: 10.2.3.3.
- 3097386 2018, FOCUS (pyroxasulfone + carfentrazone) + tribenuron for burndown and pre-emergent weed control in wheat, DACO: 10.2.3.3.
- 3097387 2019, FOCUS (pyroxasulfone + carfentrazone) tank mix with tribenuron products (EXPRESS SG, EXPRESS PRO, EXPRESS FX) for burndown and extended control of volunteer canola, wild mustard and kochia in spring wheat, DACO: 10.2.3.3.
- 3097388 2019, FOCUS (pyroxasulfone + carfentrazone) tank mix with tribenuron products (EXPRESS SG, EXPRESS PRO, EXPRESS FX) for burndown and extended control of volunteer canola, wild mustard and kochia in spring wheat, DACO: 10.2.3.3.
- 3097389 2019, FOCUS (pyroxasulfone + carfentrazone) tank mix with tribenuron products (EXPRESS SG, EXPRESS PRO, EXPRESS FX) for burndown and extended control of volunteer canola, wild mustard and kochia in spring wheat, DACO: 10.2.3.3.
- 3097391 2018, EXPRESS SG + FOCUS Burndown- Lentil Tolerance, DACO: 10.3.2.
- 3097392 2018, EXPRESS SG + FOCUS Burndown- Lentil Tolerance, DACO: 10.3.2.
- 3097393 2019, EXPRESS SG + FOCUS or pyroxasulfone - Lentil Tolerance, DACO: 10.3.2.

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