

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

**Application Number:** 2016-0794  
**Application:** Category B.3.10 (New or changes to product label – Tank mixes)  
**Product:** Flumioxazin 51 WDG Herbicide  
**Registration Number:** 29235  
**Active ingredient (a.i.):** 51.1% flumioxazin  
**PMRA Document Number :** 2628220

### Background

Flumioxazin 51 WDG Herbicide is registered for pre-emergent weed control in an array of crops, including dry bulb onion. 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 Flumioxazin 51 WDG Herbicide to include a tank mixture with Prowl H<sub>2</sub>O Herbicide (Reg. No. 29542) for control of the weeds listed on both product labels in dry bulb onion.

### 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

Control of broadleaf weeds in bulb onion is listed as a high priority in the Canadian Grower Priority Database. The inclusion of the tank mixture of Flumioxazin 51 WDG Herbicide + Prowl H<sub>2</sub>O Herbicide will provide farmers an option to control the weeds listed on both product labels with a more efficient one-pass application.

The value information available demonstrated that the application of Flumioxazin 51 WDG Herbicide in tank mix with Prowl H<sub>2</sub>O Herbicide for weed control in dry bulb onion has acceptable value. The information included use history information from the US and weed management recommendations from Michigan State University Extension as well as the Pacific Northwest Weed Management Handbook.

## 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 Flumioxazin 51 WDG Herbicide.

## References

### List of Studies/Information Submitted by Registrant

| PMRA #  | References  |
|---------|---|
| 2606855 | 2012, Early season complicates onion weed control, DACO: 10.1, 10.2.3.1, and 10.3.2.    |
| 2606856 | 2012, Onion weed control in a cool, wet year, DACO: 10.1, 10.2.3.1, and 10.3.2.         |
| 2606857 | 2015, PNW Weed Management Handbook - Vegetable Crops, DACO: 10.1, 10.2.3.1, and 10.3.2. |

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