

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

**Application Number:** 2012-2457  
**Application:** Category C, Subcategory C.3.10 (new or changes to tank mixes)  
**Product:** Prowl H<sub>2</sub>O Herbicide  
**Registration Number:** 29542  
**Active ingredients (a.i.):** 455 g/L pendimethalin  
**PMRA Document Number :** 2217016

### Background

Prowl H<sub>2</sub>O Herbicide has been registered for control of grasses and broadleaf weeds in field corn, soybeans, dry bulb onions, and fruit trees since 2010. Prowl H<sub>2</sub>O Herbicide can be applied alone or in combination with other herbicides for control of broad weed spectrum. 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 amend registration of Prowl H<sub>2</sub>O Herbicide to include two tank mixtures:

- (1) Prowl H<sub>2</sub>O at 2.2 L/ha plus Pursuit at 312 mL/ha for control of barnyard grass, green foxtail, yellow foxtail, common ragweed, lamb's-quarters, redroot pigweed, and velvetleaf in soybeans as a pre-plant incorporated treatment (PPI).
- (2) Prowl H<sub>2</sub>O at 2.2 L/ha plus Pursuit at 312 mL/ha plus glyphosate at labelled rate for control of barnyard grass, green foxtail, yellow foxtail, common ragweed, lamb's-quarters, redroot pigweed, and velvetleaf plus weeds controlled by glyphosate herbicide in soybeans as an early pre-plant surface application.

### Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, formulation, use rate, and use pattern.

### Value Assessment

Inclusion of the requested tank mixtures is supported for the following reasons from a value standpoint.

- The agronomic equivalency of Prowl H<sub>2</sub>O Herbicide to Prowl 400 EC Herbicide was established when Prowl H<sub>2</sub>O Herbicide was first registered in 2010 (PMRA # 1540606).
- The tank mixtures requested for Prowl H<sub>2</sub>O Herbicide are similar to those appearing on the Prowl 400 EC label regarding efficacy claims, application rates, and application timings.

### Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Prowl H<sub>2</sub>O Herbicide to include the tank mixtures of Prowl H<sub>2</sub>O Herbicide + Pursuit Herbicide of use in soybeans as a PPI treatment and Prowl H<sub>2</sub>O Herbicide + Pursuit Herbicide + glyphosate herbicide for use in soybeans as an early pre-plant treatment.

## **Reference**

List of Studies/Information Submitted by Registrant

PMRA # 2206119: Prowl H<sub>2</sub>O Herbicide: Waiver request for the exemption of efficacy studies and non-safety adverse effects studies. BASF Canada Inc. DACO. 10. July 3, 2012. pp. 3.

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