

## Evaluation Report for Category B, Subcategory 3.10, 3.12 Application

**Application Number(s):** 2010-0298  
**Application:** Changes to product label: tank mixes, new site or host  
**Product(s):** Concept Liquid Insecticide  
**Registration Number(s):** 23439  
**Active ingredients (a.i.):** Pendimethalin  
**PMRA Document Number :** 1966515

### Purpose of Application

The purpose of this application was to amend the label of Prowl 400 EC Herbicide (Registration Number 23439) by adding soybeans as a new crop and adding Pursuit Herbicide (Registration Number 21537) containing imazethapyr as a new tank mix partner. The application is based on the current label for Valor Herbicide (originally named Patriot Herbicide; Registration Number 24269), which is a co-formulation of imazethapyr and pendimethalin used on soybeans.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

Health assessments were not required since the use pattern, including host crops, application rates and timings of the component products remains unchanged. Consequently, no increase in occupational or dietary exposure was anticipated.

### Environmental Assessment

Application rates, methods, timing, and frequency for the proposed tank mixes with Pursuit Herbicide remain the same as those registered for Valor Herbicide; therefore, no change in environmental exposure was expected. The label amendment for buffer zones is consistent with Re-evaluation Decision RVD2008-23, *Pendamethalin* and is adequate to mitigate environmental concerns.

### Value Assessment

Scientific rationale and data from five bridging field trials submitted demonstrated that the tank mixture of Prowl 400 EC and Pursuit Herbicide was comparable to the registered co-formulation Valor Herbicide in terms of efficacy and crop tolerance. Data from field research trials also demonstrated that the 3-way tank mixture of Prowl 400 EC, Pursuit Herbicide, and glyphosate herbicide was acceptable in terms of efficacy and crop tolerance.

## **Conclusion**

The PMRA conducted an evaluation of the subject application and found the submitted information sufficient to support the proposed label amendments.

## **References**

PMRA Document Number: 1149873

Reference: 1993, Patriot Herbicide efficacy/ phytotoxicity for weed control in soybeans, Data Numbering Code: 10.2.1, 10.3.2

PMRA Document Number: 1161259

Reference: 1995, Patriot: A summary of weed control, soybean tolerance, yields, and follow crops. Data Numbering Code: 10.2.1, 10.3.2

PMRA Document Number: 1848012

Reference: 2009, Prowl 400 EC Herbicide + Pursuit Herbicide tank mix applied pre-plant incorporated on soybeans. Data Numbering Code: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3, 10.3, 10.3.1, 10.3.2

ISSN: 1911-8082

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