

## Evaluation Report for Category B, Subcategory 3.1, 3.10, 3.11 Application

**Application Number:** 2013-4835  
**Application:** Changes to Product Labels-Application rate increase, tank mixes and new pests  
**Product:** Pardner Herbicide  
**Registration Number:** 18001  
**Active ingredients (a.i.):** Bromoxynil  
**PMRA Document Number :** 2361254

### Purpose of Application

The purpose of this application was to amend the Pardner Herbicide label (Registration number 18001; 280 g/L bromoxynil) to expand the minimum or zero till portion of the label to allow a higher rate of 350 g a.i./ha bromoxynil in tank mix with 396 g a.e./ha of glyphosate (present as the potassium or isopropylamine salt). A new pest claim of volunteer canola (including herbicide tolerant types) was also requested.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

A toxicology assessment was not required for this application.

No new residue data were submitted for bromoxynil to support the noted changes to the label of Pardner Herbicide. Based on the timing of application (i.e., before emergence of the crop) and that Pardner Herbicide is currently registered for early post-emergent application to barley, oats and wheat at similar rates, no increase in bromoxynil residues is expected. Residues of bromoxynil in/on treated barley, oat and wheat commodities as a result of these label amendments will continue to be covered under the MRLs established for bromoxynil in/on barley, oat and wheat, each at 0.05 ppm. As such, exposure to residues of bromoxynil in food and drinking water will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors. The change to the terminology with the glyphosate tank-mix will not impact residues of glyphosate in/on treated wheat barley, oat and wheat commodities as the application rate is within labeled rates.

The use of Pardner Herbicide on minimal or zero till wheat, barley and oats to control various weeds (including volunteer canola) is not expected to result in potential occupational or bystander exposure over the currently registered use of bromoxynil. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

## **Environmental Assessment**

No new environmental data were submitted for the proposed rate increase for Pardner Herbicide from 1.0 to 1.25 L/ha on zero tillage cropping systems to wheat, barley and oats. Pardner Herbicide has full registration status in Canada and there are no outstanding environmental data requirements for bromoxynil.

The single pre-emergent application rate of up to 1.25 L/ha in zero-tillage crops is not expected to pose additional risk to the environment compared to existing uses on the Pardner Herbicide label. Current environmental statements on the product label are sufficient to mitigate potential environmental risks.

## **Value Assessment**

Value information consisting of data and scientific rationales were submitted for review, and support both the addition of the higher rate of bromoxynil under adverse growing conditions, and the claim of control of volunteer canola (including herbicide tolerant types), based in part on other registered labels. In addition, the generic terminology “glyphosate (present as the potassium or isopropylamine salt)” is acceptable based on precedent and the rationales provided.

The expansion of the use in minimum and zero till will provide consistency with other herbicide labels and allow users more flexibility in selecting a glyphosate tank mix partner as well as a greater rate range to suit varying environmental conditions.

## **Conclusion**

The PMRA has completed an assessment of available information for Pardner Herbicide and has determined that it is sufficient to support the label amendments as listed above.

## **References**

2340972 2013, Value Summary, DACO: 10.1, 10.2.3.1, 10.2.3.3, 10.3.1, 10.3.2.

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