

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2014-1615
Application: Changes to product labels – New site or host
Product: Puma Advance Herbicide
Registration Number: 29615
Active ingredients (a.i.): Fenoxaprop-P-ethyl (FPF)
PMRA Document Number : 2450127

Background

Puma Advance Herbicide (Registration Number 29615; guarantee 90 g/L fenoxaprop-P-ethyl) is presently registered for post-emergent control of wild oats, green foxtail, yellow foxtail, and barnyard grass in spring wheat, durum wheat, spring barley, and certain minor use crops (i.e., seedling and established perennial ryegrass and meadow bromegrass) in the Prairie Provinces and Peace River region of BC and in spring wheat and spring barley in eastern Canada. Puma Advance Herbicide can be applied alone or in tank mix with listed broadleaf herbicides for the control of a broader spectrum of weeds. Use of Puma Advance Herbicide in durum wheat in eastern Canada was recently supported (Application 2013-4332).

Purpose of Application

The purpose of this application is to amend the registration of Puma Advance Herbicide as described below.

- To include use in the Okanagan and Creston Flats regions of British Columbia.
- To use in all labelled crops regardless of geography.
- To revise labelled tank mix recommendation.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Toxicology and occupational assessments were not required for this application.

Sufficient crop field trial data for wheat and barley were on file to support the national registration for Puma Advance Herbicide. The addition of Okanagan and Creston Flats Regions

of British Columbia and the removal of geographical restriction on the label are not expected to have significant impact on the magnitude of the residues for fenoxaprop-p-ethyl and the safener, mefenpyr-diethyl, for the registered crops. Residues in/on treated wheat and barley will continue to be covered under the MRLs of 0.05 ppm established each for fenoxaprop-ethyl and mefenpyr-diethyl. Dietary exposure to fenoxaprop-p-ethyl or mefenpyr-diethyl is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The modifications to the Puma Advance Herbicide use-pattern are not expected to pose an additional environmental risk.

Value Assessment

Value information in the form of a scientific rationale was submitted for review. The requested amendments to the registration of Puma Advance Herbicide, including (1) use in the Okanagan and Creston Flats regions of British Columbia and (2) use in all labelled crops regardless of geography, are supported for the following reasons.

- The performance of a post-emergent herbicide is unlikely to be affected by soil properties or types.
- Herbicides containing fenoxaprop-P-ethyl have been registered for use in the Prairie Provinces and Peace River region of British Columbia and eastern Canada for many years. Acceptable product performance and crop safety have been demonstrated across a range of environmental and climatic conditions.
- Application of fenoxaprop-P-ethyl during environmental conditions that result in plant stress may cause unacceptable crop injury and yield reduction. Environmental conditions that contribute to plant stress would not be expected to be any more prevalent in the Okanagan and Creston Flats regions of British Columbia than the geographic areas presently labelled for use of Puma Advance Herbicide, or in eastern Canada than western Canada.

All listed tank mixtures are supported for use in small grain cereals regardless of geography since (1) these tank mixes have been registered and used in small grain cereals in the Prairie Provinces and Peace River region of British Columbia for many years and (2) the labels contain a statement that reads “*Always consult Puma Advance Herbicide and tank mix partner labels for proper timing, weeds controlled, precautions, cropping restrictions, etc and follow the more stringent of the two*”.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Puma Advance Herbicide, and has found the information sufficient to include use in the Okanagan and Creston Flats regions of British Columbia, use in all labelled crops regardless of geography and revise labelled tank mix recommendation.

References

- 2424181 2014, Puma Advance EC and Puma Advance: Rationale for use in the Okanagan and Creston Flats regions of British Columbia, in all labelled crops regardless of geography, and revision of tank mix recommendations, DACO: 10.1, 10.2.3.1, 10.2.3.3(B), 10.3.1, and 10.3.2(A).

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