

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

Application Number: 2013-5060
Application: Changes to Product Labels - Application rate increase; tank mixes and new pests
Product: Compas 480 EC Herbicide
Registration Number: 25791
Active ingredients (a.i.): Bromoxynil
PMRA Document Number : 2361267

Purpose of Application

The purpose of this application was to amend the Compas 480 EC Herbicide (Registration Number 25791; 480 g/L bromoxynil) label 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) is 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 Compas 480 EC Herbicide. Based on the timing of application (i.e., before emergence of the crop) and that Compas 480 EC 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 Compas 480 EC 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 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 rate increase for Compas 480 EC Herbicide from 585 to 730 mL/ha on zero tillage cropping systems to wheat, barley and oats. Compas 480 EC Herbicide has full registration status in Canada and there are no outstanding environmental data requirements for bromoxynil.

The proposed single pre-emergent application rate of up to 730 mL/ha in zero-tillage crops is not expected to pose additional risk to the environment compared to existing uses on the Compas 480 EC 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 the assessment of available information for Compas 480 EC Herbicide and has determined 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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