

Armezon Herbicide Evaluation Report for Category B Streamlined, Subcategory B.3.11 Application

Application Number: 2015-1129
Application: Category B, Subcategory B.3.11 Application (new or changes to product labels – new pests)
Product: Armezon Herbicide
Registration Number: Reg. No. 30131
Active ingredients (a.i.): topramezone [MTN]
PMRA Document Number : 2567230

Background

Armezon Herbicide was first registered in July of 2011. Armezon Herbicide contains 336 g/L topramezone (Group 27 Herbicide) and is labelled for post-emergent selective control of grasses and broadleaf weeds in field corn (conventional and herbicide tolerant hybrids), sweet corn and seed corn (hybrids and inbred lines) grown across Canada. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

BASF Canada Inc. has applied to amend the registration of Armezon Herbicide to include a control claim for kochia (all types including glyphosate-resistant) when Armezon Herbicide is used in tank mix with a glyphosate herbicide (i.e., glyphosate, glyphosate + atrazine or glyphosate + atrazine + Frontier Max) and applied to corn grown across Canada.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and Environmental assessments were not required since the use pattern, including host crops, application rates and timings of the component products remain unchanged.

Value Assessment

In consideration of the continually increasing number of hectares devoted to growing corn in western Canada, coupled with the increasing occurrences of glyphosate-resistant kochia biotypes in the Prairie region, the availability of the three Armezon Herbicide tank mixes for the control of kochia will have value to corn producers, both from a resistance management and a resistance prevention perspective for kochia.

Data from a total of 11 small-scale field trials conducted in western Canada between 2003 and 2014 were provided for review. The trial data demonstrated that Armezon Herbicide applied alone at 12.5 g ai/ha + an adjuvant would be expected to provide an acceptable level of kochia control in corn. Furthermore, the tank mixture of Armezon Herbicide with glyphosate, glyphosate + atrazine or glyphosate + atrazine + Frontier Max would not be expected to antagonize the activity of topramezone for control of kochia. Based on all available information, control of kochia (all types including glyphosate-resistant) would be expected when Armezon Herbicide is applied in tank mixture with glyphosate, glyphosate + atrazine or glyphosate + atrazine + Frontier Max as per label directions.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Armezon Herbicide to include a control claim for kochia (all types including glyphosate-resistant) when Armezon Herbicide is used in tank mixture with a glyphosate herbicide (i.e., glyphosate, glyphosate + atrazine or glyphosate + atrazine + Frontier Max) and applied to corn grown across Canada.

References

PMRA Doc Number	Reference
2515095	2015, ARMEZON Herbicide - Application to Amend the Labeled Weeds to Include Control of Kochia in Corn, DACO: 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, 10.3.3, 10.4, 10.5, 10.5.1, 10.5.2, 10.5.3, 10.5.4.

ISSN: 1911-8082

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