

Armezon Herbicide

Evaluation Report for Category B Streamlined, Subcategory 3.11 Application

Application Number: 2014-5637
Application: Category B, Subcategory 3.11 Application (new or changes to product labels – new pests)
Product: Armezon Herbicide
Registration Number: 30131
Active ingredients (a.i.): topramezone [MTN]
PMRA Document Number : 2530724

Background

Armezon Herbicide (Reg. No. 30131) 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 volunteer canola (all types including glyphosate tolerant varieties) in corn grown across Canada. Furthermore, the applicant has requested that the recommended water volume on the Armezon Herbicide label be expanded from 200 L/ha to a rate range of 100 to 200 L/ha.

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

Volunteer canola can be a difficult weed to control as it thrives in high canola production areas

such as western Canada. Currently available herbicide options for controlling volunteer canola in corn without significant injury to the crop is limited, and therefore it is important to consider the value of expanding the label of those products already approved for application. The inclusion of a control claim for volunteer canola on the Armezon Herbicide label would have value for the corn market, particularly as crop rotations narrow and herbicide resistant canola varieties are grown more frequently.

With respect to application water volumes, standard practice in western Canada when applying herbicides is to use 100 L/ha of water, as opposed to eastern Canada where 200 L/ha of water is typically used. Providing an application water volume range of 100 to 200 L/ha would have value to growers wishing to use Armezon herbicide as it would allow them to select a water volume that best fits into their weed control practices.

Rationales and data from a total of five small-scale field trials conducted in western Canada between 2013 and 2014 were provided for review. Based on all available information, control of volunteer canola (all types including glyphosate tolerant varieties) would be expected when Armezon Herbicide is applied as per label directions. Furthermore, expanding the recommended application water volume from 200 L/ha to a rate range of 100 to 200 L/ha would not be expected to negatively impact the efficacy or phytotoxicity characteristics of Armezon Herbicide. Accordingly, an amendment to the registration of Armezon Herbicide to include a control claim for volunteer canola (all types including glyphosate tolerant varieties) and the expansion of the application water volume to a range of 100 to 200L/ha can be supported from a value perspective.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Armezon Herbicide by including a control claim for volunteer canola (all types including glyphosate tolerant varieties) in corn grown across Canada, as well as expanding the recommended application water volume from 200 L/ha to a rate range of 100 to 200 L/ha.

References

PMRA Doc Number	Reference
2479053	2014, ARMEZON Herbicide - Application to Amend the Labeled Weeds to Include Control of Volunteer Canola (all types including glyphosate tolerant) 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.

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