



Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2023-4786
Application: New or Changes to Product Labels – Application Rate Increase or Decrease
Applicant: FMC of Canada Limited
Product: Authority 480 Herbicide
Registration Number: 29012
Active ingredient(s) (a.i.): 75% Sulfentrazone
PMRA Document Number : 3524072

Purpose of Application

The purpose of this application was to decrease the application rate of Authority 480 Herbicide for the control of lamb's-quarters, redroot pigweed and Powell (green) pigweed from 219 mL/ha (140 g a.i./ha) to 219 mL/ha (105 g a.i./ha).

Chemistry, Health and Environmental Assessment

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

The applicant submitted value information that included scientific rationales and data from small-scale efficacy trials conducted between 2008 and 2022 in Alberta, Ontario and Saskatchewan. . The value information demonstrated that an application of Authority 480 Herbicide at 219 mL/ha (105 g a.i./ha) and applied as per label directions can be expected to provide acceptable control of lamb's-quarters, redroot pigweed and Powell (green) pigweed. The application rate reduction from 292 mL/ha (140 g a.i./ha) to 219 mL/ha (105 g a.i./ha) for the control of lamb's-quarters, redroot pigweed and Powell (green) pigweed is therefore supported.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the lower rate of 219 mL/ha of Authority 480 Herbicide for the control of lamb's-quarters, redroot pigweed and Powell (green) pigweed.

References

- 3499784 2023, Appendix Trial Reports - Authority 480 Herbicide - Add weeds at lower rate, DACO: 10.2.3.3
- 3499785 2023, Authority 480 Herbicide (PCP 29012): Value Summary - Control of Lambs-quarters, Redroot Pigweed, and Powell Pigweed

(Green Pigweed), DACO: 10.1, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.3.2, 10.3.3, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 10.5.5

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