

1

Pixxaro A Herbicide

Evaluation Report for Category B Streamlined, Subcategory 3.11 Application

Application Number: 2015-1040
Application: Category B, Subcategory 3.11 Application (new or changes to product labels – new pests)
Product: Pixxaro A Herbicide
Registration Number: Reg. No. 31303
Active ingredients (a.i.): halauxifen / fluroxypyr [HXM / FLR]
PMRA Document Number : 2546000

Background

Pixxaro A Herbicide (Reg. No. 31303) was first registered in June of 2014. Pixxaro A Herbicide contains 16.25 g/L halauxifen (Group 4 Herbicide) and 250 g/L fluroxypyr (Group 4 Herbicide) and is labelled for selective post-emergent broadleaf weed control in cereal crops (spring wheat, durum wheat, winter wheat and spring barley) grown in the Prairie Provinces and the Peace River region of British Columbia and in eastern 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

Dow AgroSciences Canada Inc. has applied to amend the registration of Pixxaro A Herbicide to include the following:

1. A control claim for Canada fleabane and a suppression claim for annual sow-thistle when Pixxaro A Herbicide is applied alone at 82 g ae/ha (with labelled adjuvants); and
2. A control claim for both annual sow-thistle and Canada fleabane when Pixxaro A Herbicide is applied at 82 g ae/ha in tank mix with MCPA Ester applied at 350 g ae/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

Annual sow-thistle and Canada fleabane are annual broadleaf weeds distributed across the cereal growing areas of Canada. Both weeds can be competitive with spring and winter cereals and can reduce crop quality and yield. There are presently few herbicide options available that provide post-emergence control of these weeds. Options for control of Canada fleabane are further limited by the existence and spread of biotypes resistant to Group 2 and Group 9 herbicides.

Data from 13 replicated small-plot field trials and three replicated large-plot demonstration sites conducted between 2010 and 2014 in Alberta, Saskatchewan, Manitoba, Ontario and Missouri (USA) were provided for review. The provided data demonstrated:

1. Pixxaro A Herbicide applied alone (in tank mix with an appropriate adjuvant) can be expected to suppress annual sow-thistle and control Canada fleabane; and
2. Pixxaro A Herbicide applied in tank mix with MCPA Ester can be expected to control both annual sow-thistle and Canada fleabane.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Pixxaro A Herbicide by including a control claim for Canada fleabane and a suppression claim for annual sow-thistle when applied alone at 82 g ae/ha and a control claim for both annual sow-thistle and Canada fleabane when applied in tank mix with MCPA Ester at 82 g ae/ha + 350 g ae/ha.

References

PMRA Doc Number	Reference
2512522	2015, Section 10 - Arylex Efficacy - ERICA_SONOL_v4 (Canada fleabane and annual sow-thistle), DACO: 10.1
2512524	2015, Trial Reports (16) Arylex Efficacy - ERICA_SONOL (Canada fleabane and annual sow-thistle), DACO: 10.2.3.3

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