

Paradigm Herbicide

Evaluation Report for Category B Streamlined, Subcategory 3.11 Application

Application Number: 2015-1037
Application: Category B, Subcategory 3.11 Application (new or changes to product labels – new pests)
Product: Paradigm Herbicide
Registration Number: Reg. No. 31304
Active ingredients (a.i.): halauxifen / florasulam [HXM / FRA]
PMRA Document Number : 2545994

Background

Paradigm Herbicide (Reg. No. 31304) was first registered in June of 2014. Paradigm Herbicide contains 20% w/w halauxifen (Group 4 Herbicide) and 20% w/w florasulam (Group 2 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. 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 Paradigm Herbicide to include a control claim for both Canada fleabane and annual sow-thistle when applied at 10 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 that Paradigm Herbicide applied in tank mix with an appropriate adjuvant 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 Paradigm Herbicide by including a control claim for both Canada fleabane and annual sow-thistle when applied at 10 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 |

ISSN: 1911-8082

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