Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 3.2 Application

Application Number: 2011-3322
Application: New or changes to product labels – application timing
Product: Starane II Herbicide
Registration Number: 29463
Active ingredients (a.i.): fluroxypyr (present as 1-methylheptyl ester)
PMRA Document Number : **2126408**

Background

Starane II Herbicide has been registered since November 9, 2009. It is registered for use in the Prairie provinces and Peace River region of British Columbia, specifically for post-emergence application to spring wheat, including durum, spring barley and oat for the control or suppression of labelled broadleaved weeds, including control of cleavers at the rate of 70 g ae/ha (0.21 L/ha). It is registered for use in several tank mixtures, including with 2,4-D Ester, MCPA Ester, and Curtail M Herbicide for broader spectrum weed control. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend the efficacy claim for cleavers, previously labeled as one of control for Starane II Herbicide applied at 70 g ae/ha (0.21 L/ha) when cleavers are at the 1- to 4-whorl stage to a claim of control when applied at this rate when cleavers are at the 1- to 6-whorl stage and at the labeled mid rate of 103 g ae/ha (0.31 L/ha) when cleavers are at the 1- to 8-whorl stage. It was also requested that these amended claims be extended to labeled tank mixes of Starane II at 70-103 g ae/ha with 2,4-D Ester, MCPA Ester and Curtail M herbicides.

Chemistry, Health and Environmental Assessments

Chemistry, health and environmental assessments were not required for this submission.

Value Assessment

Efficacy data generated in 29 replicated field trials conducted in western Canada from 1993 to 2007 demonstrated that Starane applied at 70 g ae/ha (0.21 L/ha) can be expected to result in consistent control of cleavers at up to the 8-whorl stage of the weed. Application of the 103 g a.e./ha rate when cleavers average 7 or 8 whorls may result in more consistent control, especially when there is a range of development of this weed at application.

The wider application window with respect to weed staging can be expected to result in greater opportunity to control cleavers directly when applied to cereals but also indirectly in follow crops of canola where cleavers seed can result in substantial dockage of the harvested grain due to the difficulty in mechanically separating cleavers seed from that of canola.

An assessment of non-safety adverse effects (crop tolerance) was not required since

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host crops remained the same and since there were no changes to application rates and timings (with respect to crop).

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to support a claim of control for cleavers for:
- Starane II Herbicide applied alone or in tank mixtures at the labeled rate of 70 g ae/ha at the cleavers 1- to 6-whorl stage; and,
- Starane II Herbicide applied alone or in tank mixtures at the labeled rate of 103 g ae/ha at the cleavers 1- to 8-whorl stage.

References

2086728 2011, 10.2.3.3 Trial reports to add control of large cleavers to Starane II and Prestige XC HTM, DACO: 10.2.3.3

ISSN: 1911-8082