

Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2007-4608
Application: B.2.1 : New end-use product
Product: PP-2525 Herbicide
Registration Number: 29261
Active ingredients (a.i.): Tribenuron-methyl and Thifensulfuron-methyl
PMRA Document Number: 1721101

Purpose of Application

The purpose of this application is to register the new end-use product PP-2525 Herbicide for use in spring wheat, durum wheat and spring barley to control specific broadleaf weeds.

Chemistry Assessment

PP-2525 Herbicide is a solid containing the active ingredients tribenuron-methyl and thifensulfuron-methyl at a same nominal concentration of 25%. This product has a density of 0.57-0.67 g/cm³ and pH of 7.5. The chemistry requirements for PP-2525 Herbicide have been completed.

Health Assessments

Based on the availability of complete acute toxicity studies for the two registered manufacturing use products present in this herbicide blend, no additional toxicological data were required.

No new residue data were submitted to support the registration of the new end-use product PP-2525 Herbicide, containing thifensulfuron-methyl and tribenuron-methyl, for use on wheat and barley. PP-2525 has a different guarantee than currently registered products containing these active ingredients. However, the proposed rates for each active ingredient in PP-2525 are within the currently registered rates. All other aspects of the use pattern remain the same. Therefore, the change in the guarantee for PP-2525, as part of the new end-use product, will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Exposure to workers is not expected to increase over currently registered rates for thifensulfuron-methyl and tribenuron-methyl.

Environmental Assessment

The active ingredients in PP-2525 Herbicide (thifensulfuron-methyl and tribenuron-methyl) are currently registered for use in spring wheat, durum wheat and spring barley, therefore, no environmental assessment was required.

Value Assessment

Value data were submitted to establish the efficacy of PP-2525 Herbicide on broadleaf weeds appearing on the proposed label, and to establish the crop safety of this end-use product on spring wheat, durum wheat and spring barley. In addition, historical data for Refine 75 DF Herbicide (Reg. No. 21059), Refine Extra 75 Herbicide (Reg. No. 21059) and Express 75 DF Herbicide (Reg. No. 22335) were used to establish efficacy of thifensulfuron-methyl and/or tribenuron-methyl on the proposed weed claims for PP-2525 Herbicide at the rates proposed.

Efficacy data were submitted from 7 trials conducted in 2004, 2005 and 2006 at 7 different locations in Alberta, Saskatchewan and Manitoba. The data provided support the claim of control of lady's thumb, lamb's quarters, redroot pigweed, kochia (non-group 2 resistant types), wild buckwheat, wild mustard, volunteer rapeseed, stinkweed, hempnettle and suppression of Canada thistle and Russian thistle with an early post-emergence application with the proposed rates of 7.5 g a.i./ha of thifensulfuron-methyl and 7.5 g a.i./ha of tribenuron-methyl.

Crop phytotoxicity data were available from 6 trials conducted between 2004 and 2006 inclusive at 6 different locations in Alberta, Saskatchewan and Manitoba to assess the crop tolerance of spring wheat, durum wheat and spring barley following applications of PP-2525 Herbicide. The data provided support the tolerance of spring wheat, durum wheat and spring barley to a post emergence application of PP-2525 Herbicide.

The requirement for rotational re-cropping data can be waived as thifensulfuron-methyl and tribenuron-methyl are presently registered for use at or higher than the rates proposed.

Conclusion

PP-3535 Herbicide is acceptable for full registration

References

- 1459972 2007, PP-2525 Herbicide: Request for Waiver of Part 3 Chemistry Data, n/a, MRID: n/a, DACO: 3.0
- 1459973 2007, PP-2525 Herbicide Part 3.1 - 3.2 (Chemistry), n/a, MRID: n/a, DACO: 3.1,3.1.1,3.1.2,3.1.3,3.1.4,3.2,3.2.1,3.2.2,3.2.3
- 1444692 2007. Value Summary. DACO's: 10.1, 10.2.3.3, 10.3.2

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