

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2010-1208
Application: B.3.12 (Product label - New site or host)
Product: Starane II Herbicide
Registration Number: 29463
Active ingredients (a.i.): Fluroxypyr, present as 1-Methylheptyl Ester (FLR)
PMRA Document Number English PDF: 2058942

Purpose of Application

The purpose of this application was to amend the label of Starane II Herbicide (Registration Number 29463), add a new crop (oats), and add alternate partners, Liquid Achieve SC Herbicide (guarantee: Tralkoxydim, 400 g/L; Registration Number 28555) and Turbocharge D adjuvant (Registration Number 28554), to registered tank mixes.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

The use of the end-use product, Starane II Herbicide, on oats falls within the registered use pattern for fluroxypyr. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label. Furthermore, the proposed tank-mix partners are already registered for use at the same rates, therefore no increase in exposure is expected.

No new residue data for fluroxypyr were submitted to support the use expansion of Starane II Herbicide to oats. Previously reviewed residue data from field trials conducted on oats were used to support the use expansion. Based on the review of the data on file, a change in the MRL currently being promulgated to cover residues of fluroxypyr in/on oats was not required, and changes in dietary exposure to fluroxypyr residues were not expected. Residues of fluroxypyr on oats at the MRLs under promulgation will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The addition of a new host (oats) and alternate tank mix partners (Liquid Achieve SC Herbicide and Turbocharge D Adjuvant) to the currently registered tank mixes on Starane II Herbicide label is not expected to result in an unacceptable risk to the environment relative to the existing registered uses of Starane II Herbicide in spring wheat, durum wheat and spring barley. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

Six trials were submitted to support the addition of tame oats as a new crop. Injury to tame oats was either slight or not detectable. Furthermore, yield was not negatively impacted, indicating that tame oats can be expected to exhibit an adequate margin of crop safety to Starane II Herbicide alone or in tank mix with Curtail M Herbicide, the approved tank mix partner, applied in accordance with the label. Based on the evidence made available, the addition of tame oats can be supported from a non-safety adverse effect perspective with an application of Starane II Herbicide alone or in tank mix with Curtail M Herbicide.

The rationale submitted to support the amendment to add two alternate tank mix partners, Liquid Achieve SC Herbicide (Registration Number 28555) and Turbocharge D Adjuvant (Registration Number 28554), was sufficient and therefore, these tank mix partners can be supported from a value standpoint.

Conclusion

The PMRA has completed an assessment of the available information and is able to support addition of oats to the label of Starane II Herbicide, and to add alternate partners, Liquid Achieve SC Herbicide (guarantee: Tralkoxydim, 400 g/L; Registration Number 28555) and Turbocharge D adjuvant (Registration Number 28554), to registered tank mixes.

References

- 1881451 2010, 100324 Starane II-Rationale adding Liquid Achieve & Turbocharge D, DACO: 10.1
- 1881452 2010, Starane II- FDT_Oat_Master Summary_9feb2010.xls, DACO: 10.3.1
- 1881453 2010, Starane II- Raw Data_Master SS_FLUROX-Oat_15feb2010.xls, DACO: 10.3.2
- 1881454 2010, Starane II- Non-Safety Adverse Effects-Oat_8feb2010.xls, DACO: 10.3.2(A)
- 1936443 2000, DE-570 Alone and in Combination with MCP Ester or Curtail M for control of Boradleaf Weeds in the Black and Dark Brown soil zones, DOC:10.3.2

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