

Evaluation Report for Category B, Subcategory 3.2, 3.5, 3.12 Application

Application Number: 2022-1469
Application: New/Changes to Product Labels - Application Timing; Rotational Crops/Plantback Interval; New Site or Host
Product: Paradigm PRE Herbicide
Registration Number: 31304
Active ingredients (a.i.): Florasulam and halauxifen, present as methyl ester
PMRA Document Number: 3493254

Purpose of Application

The purpose of this application was to amend the label of Paradigm PRE Herbicide, to add the postemergent control of annual broadleaf weeds in wheat (spring, durum, winter) and spring barley when used alone, to amend the application timing for in-crop application in these crops, to include a fall application to winter wheat for in-crop use, and to add various rotational crops.

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 Paradigm PRE as a postemergent foliar herbicide treatment alone on spring wheat (including durum), winter wheat and spring barley is not expected to result in occupational or bystander exposures to halauxifen-methyl and florasulam exceeding those of the registered use. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for halauxifen-methyl and florasulam in wheat (spring, durum and winter) and spring barley were submitted to support the amendments on the registered Paradigm PRE Herbicide label. Previously reviewed residue data for halauxifen-methyl and florasulam from field trials and confined rotational crop studies were re-assessed in the framework of this application. In addition, a processing study in treated wheat was also re-assessed to determine the potential for concentration of residues of halauxifen-methyl and florasulam into processed cereal commodities. Dietary risks from exposure to residues of halauxifen-methyl and florasulam in these crop commodities at the established maximum residue limits (MRLs) were shown to be acceptable for the general population and all subpopulations, including infants, children, adults and seniors.

Environmental Assessment

After a scientific review of the available information, it is concluded that the environmental risks associated with the use of Paradigm PRE Herbicide are acceptable when used according to the label directions.

Value Assessment

The amendments to the Paradigm PRE Herbicide label provides users more flexibility to deploy this herbicide for early-season weed control in small grain cereals and choose succeeding crops in the following year.

Value information available for review consisted of a precedent registration, scientific rationale, use history information from European Union (EU) countries and the United Kingdom (UK), and field trial data previously submitted to the PMRA. This information collectively demonstrated that the amendments to Paradigm PRE Herbicide have acceptable value.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the amendments to the label of Paradigm PRE Herbicide.

References

PMRA Document Number	Reference
3340853	2022, 10.1 Value Rationale final, DACO: 10.1
3340854	2022, 10.2.4 Zypar label use history, DACO: 10.2.4
3350471	2022, 5.2 Use Description Scenario (Application and Post Application), DACO: 5.2

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