

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2023-0026
Application: Changes to Product Label-New Site or Host
Product: Voraxor
Registration Number: 33968
Active ingredients (a.i.): Saflufenacil and Trifludimoxazin
PMRA Document Number: 3534598

Purpose of Application

The purpose of this application was to add host crops (canaryseed, oats, triticale and fall rye) to the registered label of Voraxor.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

The amendment of the Voraxor label to add a preplant or pre-emergent application for control of broadleaf weeds in canaryseed, oats, triticale and fall rye is not expected to result in increased occupational or bystander exposures relative to the registered uses of trifludimoxazin and saflufenacil. A qualitative risk assessment for mixer, loader, applicator, bystander, and postapplication worker indicated that no health risks of concern are expected from the new use, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

No new residue data for saflufenacil and trifludimoxazin in canaryseed, oats, triticale, and fall rye were submitted or were required to support the use expansion of these actives on the Voraxor label. Previously reviewed residue data from field trials conducted in/on wheat (representative crop for rye and triticale) and barley (representative crop for oats and canaryseed) were reassessed in the framework of this application. In addition, a processing study in treated wheat and barley was reassessed to determine the potential for concentration of residues of saflufenacil and trifludimoxazin into processed commodities.

Residues of saflufenacil and trifludimoxazin are not expected to be greater than those from currently registered uses and will be covered by the established maximum residue limits (MRLs). Exposure to residues of saflufenacil and trifludimoxazin from the expansion of use of Voraxor in canaryseed, oats, triticale, and fall rye is not likely to result in any dietary risks for the general population and all subpopulations, including infants, children, adults, and seniors.

Environmental Assessment

The use expansion of Voraxor on canaryseed, oats, triticale and fall rye is within the currently registered uses on the label. Therefore, the risk is acceptable when the product is used according to the label directions, which includes statements to mitigate risks to the environment.

Value Assessment

The addition of canaryseed, oats, triticale and fall rye as new host crops on the Voraxor label provides growers with another tool for rapid early season burndown of broadleaf weeds with soil residual activity to suppress secondary weed flushes in these crops. The inclusion of canaryseed, oats, triticale and fall rye as host crops as well as rotational crops on the Voraxor label provides growers with more flexibility to arrange subsequent crops after the application of this herbicide.

The value information submitted for review consisted of scientific rationales and data from dedicated crop tolerance field trials conducted between 2020 and 2022 in the Prairie provinces, in which crop tolerance of canaryseed, oats, triticale and fall rye to the pre-seed and after seedling but prior to crop emergence application of Voraxor was assessed. The trial results demonstrated that Voraxor applied as per the label directions is not expected to result in any unacceptable injury to canaryseed, oats, triticale or fall rye. As such, they are acceptable for inclusion as new host crops on the Voraxor product label.

The data obtained from the dedicated crop tolerance trials can be extrapolated to support these same crops as immediate plant back crops in the case of host crop failure.

A scientific rationale, in conjunction with the existing registered uses of Voraxor and other saflufenacil containing end-use products, demonstrated that fall rye as a rotational crop may be safely planted three months after an application of Voraxor, and canaryseed, triticale, and oats can be safely planted in the year following.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support adding the host crops canaryseed, oats, triticale and fall rye to the Voraxor label.

References

PMRA

Document

Number

Reference

3422235	2022, Petition for Application: Pre-seed Crop Tolerance of Canaryseed, Oat, Fall Rye, and Triticale to Voraxor Herbicide, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3(B), 10.3, 10.3.1, 10.3.2(A), 10.4, 10.5, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 10.5.5
3422234	2022, Use Site Description: VORAXOR for Burndown Weed Control in Canaryseed, Oats, Fall Rye and Triticale, DACO: 5.2

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