

Evaluation Report for Category B, Subcategory 2.3 Application

Application Number: 2017-7674
Application: New End-use Product Chemistry - Identity of Formulants
Product: Tridem A Herbicide
Registration Number: 33290
Active ingredient (a.i.): Pyroxsulam
PMRA Document Number: 2857609

Purpose of Application

The purpose of this application was to register the end-use product Tridem A Herbicide for control of wild oats and Japanese brome in spring, durum and winter wheat.

Chemistry Assessment

Tridem A Herbicide is formulated as wettable granules containing pyroxsulam at a concentration of 21.5%. The required chemistry data for Tridem A Herbicide have been provided, reviewed and found to be acceptable.

Health Assessments

Tridem A Herbicide is of low acute toxicity via the oral and dermal routes of exposure and is considered to be of low acute inhalation toxicity. It is mildly irritating to the eyes and minimally irritating to the skin. It is not a dermal sensitizer.

Use of Tridem A Herbicide for postemergent-to-crops-and-weeds control of wild oats and Japanese brome in spring, durum, and winter wheat is not expected to result in potential occupational or bystander exposure over the registered use of pyroxsulam. No health 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 pyroxsulam were submitted to support the registration of Tridem A Herbicide for use on wheat (spring, durum and winter). Previously reviewed residue data from field trials conducted with these substances in/on wheat were re-assessed in the framework of this petition.

Residues in/on wheat (spring, durum and winter) will be covered by the established MRL of 0.01 ppm for pyroxsulam. Consequently, the dietary exposure to residues of these substances is not expected to increase with the registration of Tridem A Herbicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

Provided that environmental risk reduction and hazard statements included on the Tridem A Herbicide label are followed, the registration of this product is supported from an environmental perspective.

Value Assessment

Based on the registration of the precedent product as well as the evaluation of the value information available, the registration of Tridem A Herbicide is considered to have acceptable value and can be supported as per the label.

The registration of Tridem A Herbicide will provide farmers with a product designated for control of wild oats with population less than 75 plants/m² and Japanese brome at early growth stage at a lower rate of pyroxsulam at 52 g/ha. Tridem A Herbicide can be applied alone or in tank mixes with other pest control products when wild oats and Japanese brome are dominant grasses in the field.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of Tridem A Herbicide for control of wild oats and Japanese brome in spring, durum, and winter wheat.

References

2820376	2017, 11 Small Scale Field Trial Reports GF-2257, DACO: 10.2.3.1, 10.3.2
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