

Evaluation Report for Category B, Subcategory 3.5, 3.10 Application

Application Number: 2015-6397
Application: Changes to Product Labels - Tank Mixes, Rotational Crops
Product: Simplicity GoDRI
Registration Number: 31916
Active ingredient (a.i.): Pyroxsulam
PMRA Document Number: 2635031

Purpose of Application

The purpose of this submission was to add corn as a rotational crop planted ten or more months after application, and to add a new tank-mix combination to the product label of Simplicity GoDRI. Simplicity GoDRI is registered for use on spring wheat, durum wheat and winter wheat for weed control.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The potential exposure for mixers, loaders, applicators and postapplication re-entry workers is not expected to exceed the current exposure to registered products. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No food residue chemistry data were submitted for pyroxsulam and the safener cloquintocet-acid to support the addition of corn as a rotational crop and modifications to the tank-mix section on the Simplicity GoDRI label. Previously reviewed residue data were considered in the context of the current submission. No new maximum residue limits (MRLs) are being recommended for promulgation. The dietary exposure assessments on file are considered adequate to cover the residue levels of pyroxsulam and cloquintocet-acid expected from the label changes. No health risks of concern have been identified for any segment of the population including infants, children, adults and seniors.

Environmental Assessment

The addition of corn as rotational crop and the use of tank mix partners with Simplicity GoDRI are not expected to increase risk to the environment. Therefore, no new environmental data are provided or required. No additional environmental label statements are required for Simplicity GoDRI.

Value Assessment

The addition of field corn as a rotational crop will provide the grower an additional crop option in the year after application of Simplicity GoDRI. The option for the winter wheat grower to use several tank mixtures that were already labelled for use in spring wheat, including durum wheat, can be expected to provide the same weed control benefits as when applied to spring wheat.

Data from field trials in Idaho, Kansas, and North Dakota were used to evaluate the tolerance of field corn as a rotational crop seeded 10 to 12 months after application of other formulations of pyroxsulam, applied at rates equivalent to 15-60 g a.i./ha, in winter or spring wheat crop stubble. No crop injury, either as chlorosis or growth inhibition was observed to field corn planted 10 or more months after application except for one instance of very slight injury at the highest tested rate.

Winter wheat was added as a host crop to several of the tank mixtures that were already labelled for use in spring wheat, including durum, in considering that all tank mix component herbicide and fungicide products are registered for spring application to winter wheat when applied alone and that application rates and timings for the tank mixtures applied to winter wheat are the same as those for the tank mixtures applied to spring wheat. Tank mixtures of Simplicity GoDRI with new tank mix partner products are supported given that the new tank mix products are agronomically equivalent to the ones they are replacing.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information submitted, and has found the information sufficient to support the amendments to the Simplicity GoDRI label.

References

PMRA Number	Document	Reference
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2584426		2015, Efficacy Trials (5) - Corn - rotational crop, DACO: 10.2.3.3,10.3.3
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ISSN: 1911-8082

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