

Evaluation Report for Category B, Subcategory B.3.5 Application

Application Number: 2016-1120
Application: Changes to Product Labels - Rotational Crops
Product: Paradigm Herbicide
Registration Number: 31304
Active ingredients (a.i.): Halauxifen, present as methyl ester, and florasulam
PMRA Document Number: 2659940

Purpose of Application

The purpose of this application was to add potatoes (except seed potatoes) as rotational crops to the product label of Paradigm Herbicide, and to update the sprayer clean-out section of the label.

Health Assessment

No residue data for halauxifen-methyl or florasulam were submitted to support the addition of rotational potatoes (except seed potatoes) for the registered end-use product Paradigm Herbicide. The maximum residue limits (MRLs) currently established for residues of halauxifen-methyl and florasulam, and the default MRL of 0.1 ppm where no specific MRL has been established, are considered adequate to cover the expected residue levels. Dietary exposure to halauxifen-methyl and florasulam is not expected to increase and will not pose an unacceptable health risk to any segment of the population, including infants, children, adults and seniors.

Value Assessment

The addition of potatoes (except seed potatoes) as a rotational crop option in the year after application of Paradigm Herbicide is expected to provide growers with greater flexibility to select rotational crops that fit with their operation and management practices.

Rotational crop tolerance data were generated in field trials in which the response of potatoes planted to plots treated with a currently registered herbicide containing 10% halauxifen in the previous year at rates of 5 g a.e./ha (50 g product/ha) to 40 g a.e./ha was evaluated. Rotational crop injury, visually assessed as a combination of chlorosis, growth inhibition, plant stand, and plant deformity, was not detectable and there were no significant effects of halauxifen residues on total yield, marketable yield or unmarketable yield. Paradigm Herbicide is applied at 25 g/ha, equivalent to 5 g/ha halauxifen and 5 g/ha florasulam. Therefore, the data generated in treatments of a currently registered herbicide containing 10% halauxifen, along with the registered claim that potato (except seed potato) may be planted in the year after application of a currently registered herbicide containing 25% florasulam at 20 g/ha (5 g a.i./ha), support a rotational cropping claim for potatoes (except seed potatoes) planted ten or more months after application of Paradigm Herbicide.

Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

Conclusion

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

References

PMRA Document Number

Reference

2609920 2016, Individual field trial reports (9) - Arylex recropping-add rotational crops fababeans and potatoes, DACO: 10.3.3

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