

Evaluation Report for Category B, Subcategory B.3.5 Application

Application Number: 2016-1116
Application: Changes to Product Labels - Rotational Crops
Product: GF-2685 Herbicide
Registration Number: 31305
Active ingredient (a.i.): Halauxifen, present as methyl ester
PMRA Document Number: 2659936

Purpose of Application

The purpose of this application was to add faba beans and potatoes (except seed potatoes) as rotational crops to the product label of GF-2685 Herbicide, and to update the sprayer clean-out section of the label.

Health Assessment

No residue data for halauxifen-methyl were submitted to support the addition of rotational faba beans and potatoes (except seed potatoes) for the registered end-use product GF-2685 Herbicide. The maximum residue limits (MRLs) currently established for residues of halauxifen-methyl, 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 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) and faba beans as rotational crop options in the year after application of GF-2685 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 and faba beans planted to plots treated with GF-2685 Herbicide in the previous year at rates of 5 g a.e./ha (50 g product/ha) to 15 g a.e./ha (faba beans) or from 5 to 40 g a.e./ha (potatoes) was evaluated. Rotational crop injury was assessed as a combination of chlorosis, growth inhibition, plant stand, and plant deformity. Yield was also assessed for both crops. For potato, injury was not detectable and there were no significant effects of GF-2685 Herbicide residues on total yield, marketable yield or unmarketable yield. For faba bean, there was no evidence of injury to faba bean grown on plots treated with the lowest rate of GF-2685 g a.e./ha. At higher tested rates, any observed injury was slight at all evaluation timings and average injury declined to 1% or less by 12 to 14 weeks after planting. Yield of faba bean in any of the GF-2685 treatments was similar to that of the untreated check treatment. The submitted information was

adequate to support potato (except seed potato) and faba beans as rotational crop options planted ten or more months after application of GF-2685 Herbicide at up to 5 g a.e./ha (50 g product/ha).

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 GF-2685 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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