



Evaluation Report for Category B, Subcategory 3.11, 3.2, 3.6, 3.8 Application

Application Number: 2021-2730
Application: Changes to Product labels –New Pests, Application Timing, Pre-Harvest/Slaughter/With-Holding and Re-Entry Interval
Product: Tough 600 EC Herbicide
Registration Number: 34031
Active ingredient (a.i.): Pyridate
PMRA Document Number: 3273588

Purpose of Application

The purpose of this application was to amend the product label for Tough 600 EC Herbicide to add the following amendments regarding lentils: a post-emergent application timing, a pest, a pre-harvest interval and restricted-entry intervals.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

For the addition of the postemergent use on lentil on the Tough 600 EC Herbicide label, the mixer, loader and applicator (MLA) exposure and risk is not expected to increase over the registered uses of pyridate. The postapplication exposure and risk assessment for pyridate was updated to include postemergent use on lentil. No health risks of concern are expected for workers and bystanders when label directions and precautions are followed.

No new pyridate residue data were submitted to support the addition of a new postemergence timing of application for lentils with a preharvest interval (PHI) of 60 days on the label of Tough 600 EC Herbicide. Instead, previously reviewed crop field trial data generated with pyridate applied postemergence to lentils were re-assessed in the framework of this application and are adequate to support the changes.

Residues of pyridate are not expected to be greater than those resulting from the currently registered uses and will be covered by the established maximum residue limit (MRL) of 0.4 ppm in/on dry lentils. Consequently, dietary exposure to residues of this active ingredient is not expected to increase with the amendments to the label of Tough 600 EC Herbicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

A toxicology assessment was not required for this application.

Environmental Assessment

The addition of a post-emergent application timing, pest, pre-harvest interval, and restricted-entry intervals for lentils to the label of Tough 600 EC Herbicide does not pose any additional risk to the environment when used according to the label.

Value Assessment

The information provided for review included data from small-scale field trials and scientific rationales. The information provided supports post-emergence application to lentils at the rate range of 0.5-1.0 L/ha of Tough 600 EC Herbicide for the control certain weeds. This provides lentil growers with a new mode of action at the post-emergence application timing which may help manage herbicide-resistant weeds such as kochia and wild mustard.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it sufficient to support the amendments to the product label for Tough 600 EC Herbicide.

References

PMRA Document Number	References
3239201	2021, Summary of Value for Tough 600 EC Herbicide for In-Crop Applications in Lentils, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.2(B), 10.2.3.3(B), 10.2.3.4(B), 10.2.4, 10.3, 10.3.1, 10.3.2, 10.3.2(A), 10.3.3, 10.4, 10.5, 10.5.1, 10.5.2, 10.5.3, 10.5.4
3239203	2021, Appendix 5: Lentil Trial Reports for Summary of Value for Tough 600 EC Herbicide for In-Crop Applications in Lentils, DACO: 10.2.3.3(B)

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