



Tank Mixes

Evaluation Report for Category B, Subcategory 3.10 Application

Application Number: 2019-6065
Application: Tank Mixes
Product: DB-878 Herbicide
Registration Number: 32955
Active ingredients (a.i.): Dicamba, Tribenuron-methyl
PMRA Document Number: 3079037

Background

DB-878 Herbicide is registered for control of grassy and broadleaf weeds prior to seeding wheat, barley and oats, in chemfallow and as a post-harvest treatment. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to expand the registration of DB-878 Herbicide to include:

1. a control claim for cleavers with the currently registered tank mix of DB-878 Herbicide + glyphosate at 450 g a.e./ha;
2. a new rate of glyphosate at 810 g a.e./ha in tank mix with DB-878 Herbicide for the control of six additional weeds (up to 15 cm in height) when applied pre-seed to wheat (spring, durum and winter), spring barley and oats, and in chemfallow and post-harvest treatments:
 - a. two grassy weeds; crabgrass and annual bluegrass;
 - b. four broadleaf weeds; prickly lettuce, shepherd's-purse, annual sow-thistle and narrow-leaved vetch;

Chemistry Assessment

A chemistry assessment was not required as there was no change to the product formulation.

Health and Environmental Assessments

Health and environmental assessments were not required since there are no changes made to the application rate and use pattern of all tank mix components.

Value Assessment

Based on weight of evidence from a scientific rationale along with extrapolations from registered use patterns for tank mix components applied as tank mixtures or solo treatments, the requested tank mixtures are supported from a value standpoint. These will provide growers with a new option to control a broad range of grassy and broadleaf weeds prior to seeding wheat (spring, durum and winter), spring barley, oats, in chemfallow and as a post-harvest treatment.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that in accordance with the label, the submitted information is adequate to support:

1. a control claim for cleavers with the currently registered tank mix of DB-878 Herbicide + glyphosate at 450 g a.e./ha, and
2. a new rate of glyphosate at 810 g a.e./ha in tank mix with DB-878 Herbicide for the control of crabgrass and annual bluegrass, prickly lettuce, shepherd's-purse, annual sow-thistle and narrow-leaved vetch (up to 15 cm in height).

Reference

List of Studies/Information Submitted by Registrant

Value Assessment

3047995 2019, Rationale to Support the Tank Mix of DB-878 Herbicide plus Glyphosate for Control of Additional Weeds, DACO: 10.1, 10.2, 10.2.3.1

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