

Evaluation Report for Category B, Subcategory B.3.10 Application (New or Changes to Product Label – Tank Mixes)

Application Number: 2017-1075
Application: Category B.3.10 (New or changes to product label – Tank mixes)
Product: Paradigm Herbicide
Registration Number: 31304
Active ingredients (a.i.): Florasulam and halauxifen present as methyl ester each at 20%
PMRA Document Number : 2761728

Background

Paradigm is registered for selective post-emergent control or suppression of annual broadleaf weeds in spring, durum, and winter wheat, and spring barley. It is recommended for application alone at 25 g/ha or in tank mixes with listed herbicides. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purposes of Application

The registrant has applied to amend the registration of Paradigm to include:

- (1) Each of Lontrel 72 or Lontrel 360 at a reduced rate of 75 g a.i./ha as a new tank mix partner for additional control of Canada thistle (up to the bolting stage and 30 cm in height).
- (2) Each of Lontrel 72 or Lontrel 360 at a reduced rate of 75 g a.i./ha as a new component in the tank mixtures of Paradigm + MCPA Ester at 467 mL/ha (i.e., 280 g a.e./ha) or 580 mL/ha (i.e., 350 g a.e./ha) for additional control of Canada thistle (up to the bolting stage and 30 cm in height).
- (3) One of the labelled grass herbicides (i.e., Simplicity, Simplicity GoDRI, Tandem A + Tandem B, Axial 100EC, or Everest 2.0) in the above-mentioned tank mixtures for additional control of grasses.
- (4) One of the labelled grass herbicides in the tank mixture of Paradigm + Lontrel 72 / Lontrel 360 + MCPA Ester at 700 mL/ha for additional control of grasses.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

Value information available for review included precedent registrations, scientific rationales, and data from field trials. The information demonstrated that application of Lontrel 72 or Lontrel 360 at a reduced rate of 75 g a.i./ha in combination with Paradigm or Paradigm + MCPA Ester will provide acceptable control of Canada thistle at up to the bolting stage and 30 cm in height.

The information also demonstrated that the application of one of labelled grass herbicides in combination

with Paradigm + Lontrel 72 / Lontrel 360 or Paradigm + Lontrel 72 / Lontrel 360 + MCPA Ester will provide additional control of grasses registered on the grass herbicide labels.

The requested label amendment will provide growers an effective tool to manage the hard-to-control perennial Canada thistle with a reduced rate of Lontrel herbicides and great flexibilities to tank mix Paradigm with MCPA Ester at various application rates, based on weed spectrum, and grass herbicides for control of a broader spectrum of broadleaf and grassy weeds in a one-pass solution.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the requested amendment to the registration of Paradigm.

References

List of Studies/Information Submitted by Registrant

PMRA # 2735442 2016, Paradigm plus Lontrel trial reports (4), DACO: 10.2.3.3.

PMRA # 2735443 2017, A rationale for adding Lontrel tank-mixes, DACO: 10.2.3.3 and 10.3.2(A).

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