

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2012-2370
Application: New or Changes to Product Labels-New Site or Host
Product: Assure II Herbicide
Registration Number: 25462
Active ingredients (a.i.): Quizalofop p-ethyl
PMRA Document Number: 2233982

Background

Assure II Herbicide is a selective post-emergent herbicide that is currently registered for use on a variety of crops, most of which are broadleaved, for control or suppression of annual and perennial grass weeds. Assure II Herbicide may be applied alone or in tank mixes with other herbicides.

Purpose of Application

The purpose of this application was to add to the Assure II Herbicide label a new crop, crambe, and to broaden the use to all mustard types including yellow and brown mustard.

Chemistry and Environmental Assessment

Chemistry and environmental assessments were not required for this application.

Health Assessments

No new food residue chemistry data were submitted for quizalofop p-ethyl to support the changes to the Assure II Herbicide label. Previously reviewed residue data from field and processing trials on canola were considered in the context of the current application. Given that the use pattern for crambe, and yellow and brown mustard is identical to those registered for canola and oriental mustard, exposure to quizalofop p-ethyl residues will not increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Value Assessment

Inclusion of brown and yellow mustards as host crops on the Assure II Herbicide label is supported from a value standpoint for the following reasons.

- Assure II Herbicide is presently labeled for use on oriental mustard.
- Yellow and brown mustards are closely related to oriental mustard.
- The requested use pattern for yellow and brown mustards are the same as that registered for oriental mustard.
- No changes are made to efficacy claims.
- Phenology, agronomics, and processing of yellow and brown mustard are similar to that of oriental mustard.
- Assure II Herbicide is a graminicide that is registered for post-emergence use on many other diverse broadleaved crops.

Inclusion of crambe as a host crop on the Assure II Herbicide label is supported from a value standpoint for the following reasons.

- Crambe (*Crambe abyssinicia*), a crop similar to canola, is in the *Brassicaceae* family as canola and mustard.
- Canola and oriental mustard are registered host crops for Assure II Herbicide.
- The requested use pattern for crambe is the same as those registered for canola and oriental mustard.
- No changes are made to efficacy claims.
- Assure II Herbicide is a graminicide that is registered for post-emergence use on many other diverse broadleaved crops.
- Crambe, as a host crop, has been labeled for Assure II Herbicide in the U.S. since 1998 (EPA Reg. No. 352-541).

Prior to this application to expand the registration of Assure II Herbicide to include crambe, only pre-emergence application of trifluralin (Group 3 Herbicide) was available for this crop. The expansion of the registration of Assure II Herbicide to include use on crambe affords growers a tool for post-emergence grass weed control.

Conclusion

The PMRA has conducted a review of the available information and can accept the addition of crambe and yellow and brown mustards to the Assure II Herbicide label.

References

| PMRA# | Reference |
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| 2203866 | 2012, Efficacy Rationale, DACO: 10.1 |
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| 2203868 | 2012, Residue Waiver, DACO: 7.1 |
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