

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2014-2087
Application: Changes to Product Labels-New Site
Product: Cyazofamid 400SC Fungicide
Registration Number: 27984
Active ingredients (a.i.): Cyazofamid
PMRA Document Number : 2557058

Purpose of Application

The purpose of this application was to amend the label of Cyazofamid 400SC Fungicide to add use on grapes, Amur River grapes, cultivars, and varieties and /or hybrids of these for control of downy mildew (caused by *Plasmopara viticola*).

Cyazofamid was already registered for use on greenhouse and outdoor ornamental plants and various agricultural crops before this application to amend the label.

Chemistry Assessment

As there were no changes to the product formulation a chemistry assessment was not required.

Health Assessments

As there were no changes to the product formulation a toxicological assessment was not required.

The occupational exposures and risks from the use of Cyazofamid 400SC Fungicide on grapes and Amur River grapes and/or cultivars and hybrids of these, were assessed for mixers, loaders, applicators, and post-application workers. No risks of concern are expected provided that workers follow the label directions and precautions which include wearing personal protective equipment and restricted re-entry intervals. Bystander exposure is considered negligible.

No new residue data were submitted in support of the registration of the end-use product Cyazofamid 400SC Fungicide, which contain cyazofamid, for use on grapes, Amur River grapes and/or cultivars and hybrids of these. Data on file support the uses of Cyazofamid 400SC Fungicide, which is not expected to increase the magnitude of cyazofamid residues in/on grapes. Therefore, the dietary exposure to cyazofamid is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The risk to non-target organisms from the airblast application of Cyazofamid 400SC Fungicide will not pose more risk to non-target organisms on-site than the registered

uses because the proposed application rates are within the registered uses. As airblast equipment generates more spray drift than aerial and ground boom equipment, new buffer zones have been calculated to mitigate risks to off-site habitats. Environmental concerns for this use are addressed through mitigation measures and environmental hazard label statements on the product label.

Value Assessment

Value information to support the claim was provided in the form of experimental trials and scientific rationales. Seven efficacy trials and a scientific rationale to extrapolate the proposed use to Amur river grapes were reviewed. Cyazofamid 400SC applied at the proposed rate range provided acceptable level of control of downy mildew incidence and severity on the leaves and fruit clusters. Under high disease pressure it is recommended to use the highest rate and shortest interval. Grower priorities were identified in the Grower Priority Database for control of downy mildew on grapes but with different fungicides. As it was demonstrated in the experimental trials, the use of cyazofamid can be incorporated into integrated pest management.

Conclusion

The addition of a claim on the Cyazofamid 400SC Fungicide label of control of downy mildew (*Plasmopara viticola*) on grapes, Amur River grapes, cultivars, and varieties and /or hybrids of these was approved.

References

PMRA

Document

Number	Reference
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Information submitted by the applicant

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|---------|---|
| 2447408 | 2014, Use Description/Scenario (Mixer/Loader/Applicator and Post-application) for Cyazofamid 400SC Fungicide, DACO: 5.2 |
| 2433372 | 2014, Value summary for torrent fungicide label expansion for control of downy mildew in grapes, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3, 10.3.1, 10.3.3, 10.4, 10.5, 10.5.1, 10.5.2, 10.5.3 |

Additional Information Used by the PMRA

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| 2115788 | Agricultural Reentry Task Force (ARTF). 2008. Data Submitted by the ARTF to Support Revision of Agricultural Transfer Coefficients. |
| 2004944 | 2010. Agricultural Handler Exposure Scenario Monograph: Open Cab Airblast Application of Liquid Sprays. Report Number AHD1006. December 14, 2010 |

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