

Evaluation Report for Category B, Subcategory 3.3 Application

Application Number: 2023-3404
Application: Changes to Product Labels-Application Number or Frequency
Applicant: Corteva Agriscience Canada Company
Product: Dithane Rainshield Fungicide
Registration Number: 20553
Active ingredient (a.i.): Mancozeb
PMRA Document Number: 3603231

Purpose of Application

The purpose of this application was to amend the number of applications per year on apple on the registered label of Dithane Rainshield Fungicide.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The amendment to the label of Dithane Rainshield Fungicide for use on apple orchards to control various fungal pests does not represent an expansion of the use pattern for mancozeb for mixer/loader/applicators, and risk assessments on file are adequate to assess potential risk from exposure to handling or applying mancozeb. The amendment to the use pattern does represent a change for the postapplication exposure scenarios; however, since the application scenario with the highest application rate remains unchanged, no increase in postapplication worker or bystander exposure is expected, and the risk assessments on file are adequate. No health risks of concern were identified provided that workers wear the appropriate personal protective equipment and follow all label directions.

Toxicology and dietary exposure assessments were not required for this application.

Environmental Assessment

The uses on the Dithane Rainshield Fungicide label are within the currently registered use pattern for the active ingredient mancozeb. No additional risk is expected when Dithane Rainshield Fungicide is used in accordance with the label, which includes statements to mitigate risks to the environment.

Value Assessment

The applicant submitted a rationale to support the value of increasing the maximum number of applications of Dithane Rainshield Fungicide per year on apple. Application rates were amended previously to include a lower rate, which allows additional applications during the growing season without exceeding the maximum yearly rate. The rationale points to the need for multiple fungicide applications on apple throughout the growing season to manage economically important diseases and the essential use of different modes of action in a disease management plan to prevent resistance in fungal pathogens. Mancozeb is a multi-site mode-of-action fungicide with a low risk of resistance development. The registration of additional applications of Dithane Rainshield Fungicide, to be used in rotation with other registered fungicides, provides value by contributing to season-long control of apple diseases and the management of resistance development. The value of the amendment to the use pattern was supported.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to amend the number of applications per year on apple on the label of Dithane Rainshield Fungicide.

References

PMRA

Document Number

Reference

3482277

2023, Dithane Rainshield Application Numbers and Rates in Apples, DACO:
10.1,8.1,9.1

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