



Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2024-6121
Application: Application Subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) Policy - Equivalency/Data Compensation Assessment
Applicant: Zhongshan Chemical Canada Corporation
Product: PIRACLIN 250EC Fungicide
Registration Number: 35917
Active ingredients (a.i.): Pyraclostrobin
PMRA Document Number: 3799523

Purpose of Application

The purpose of this application was to register PIRACLIN 250EC Fungicide, containing pyraclostrobin, passed on a precedent product.

Chemistry Assessment

PIRACLIN 250EC Fungicide is formulated as an emulsifiable concentrate containing pyraclostrobin at a concentration of 250 g/L. This end-use product has a density of 1.0494 g/mL and pH of 6.15 (1% solution). The required chemistry data for PIRACLIN 250EC Fungicide have been provided, reviewed and found to be acceptable.

Health Assessments

PIRACLIN 250EC Fungicide is considered toxicologically equivalent to the precedent product with respect to acute oral, dermal and inhalation toxicity, skin irritation and skin sensitization; therefore no toxicology data were required. A new eye irritation study with the proposed product was submitted and reviewed. PIRACLIN 250EC Fungicide is considered of high acute toxicity via the oral route and low acute toxicity via the dermal and inhalation routes. It is considered severely irritating to the skin and is moderately irritating to the eyes. It is not considered to be a potential skin sensitizer.

The use pattern of PIRACLIN 250EC Fungicide is comparable to the registered use pattern of the precedent product. Therefore, potential exposure for mixers, loaders, applicators, bystanders and postapplication workers is not expected to exceed the current exposure to the registered products of this active ingredient. No health risks of concern are expected for workers and bystanders when label directions, precautions and restrictions are followed.



No new residue data for pyraclostrobin were submitted or are required to support the registration of PIRACLIN 250EC Fungicide. Previously reviewed residue data were re-assessed in the framework of this application.

The use directions on the PIRACLIN 250EC Fungicide label, including the target crops, methods (ground and aerial), rates and timing of application, geographic restrictions, preharvest intervals, feeding restrictions, and crop rotation restrictions are comparable to those on the label of the precedent end-use product.

Based on this assessment, residues are not expected to be greater than those from the currently registered uses and will be covered by the established maximum residue limits (MRLs). Consequently, dietary exposure to residues of pyraclostrobin is not expected to increase with the registration of PIRACLIN 250EC Fungicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The use of PIRACLIN 250EC Fungicide is within the currently registered use pattern for pyraclostrobin. The product formulation was reviewed and no environmental issues were identified that cannot be mitigated through labelling. Therefore, the environmental risk is acceptable when PIRACLIN 250EC Fungicide is used in accordance with the label, which includes statements to mitigate risks to the environment.

Value Assessment

Based on a formulation comparison with a registered precedent product, PIRACLIN 250EC Fungicide can be expected to manage labelled diseases on specified crops when applied according to the use directions. The registration of PIRACLIN 250EC Fungicide will provide Canadian growers with an additional product option to manage certain important diseases on labelled crops.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the registration of PIRACLIN 250EC Fungicide.

References

PMRA

Document

Number	Reference
3655182	2024, Formulation Process and Flow Chart of Pyraclostrobin 250G/L EC, DACO: 3.2, 3.2.1, 3.2.2, 3.2.3, 3.3.1 CBI
3655184	2024, Study on the Physico-Chemical Properties of Pyraclostrobin 250 g/L EC, DACO: 3.4.1, 3.5, 3.5.1, 3.5.10, 3.5.11, 3.5.14, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9
3655185	2024, Piraclin 250EC Fungicide Physical and Chemical Property Waiver Requests, DACO: 3.5.12, 3.5.13, 3.5.15, 3.5.16
3790366	2025, Description of the Formulation Process, DACO: 3.2.2 CBI
3788077	2019, Acute Eye Irritation/ Corrosion Study of Pyraclostrobin 250 g/L EC in Rabbits, DACO: 4.6.4

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