

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2021-1869
Application: Submission subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) policy - Equivalency/Data Compensation Assessment
Product: 2021-1869
Registration Number: 35045
Active ingredients (a.i.): Prothioconazole, Azoxystrobin
PMRA Document Number: 3440656

Purpose of Application

The purpose of this application was to register Gauntlet Fungicide, containing prothioconazole and azoxystrobin, based on registered precedent products, for use against certain fungal diseases on lentil and canola.

Chemistry Assessment

Gauntlet Fungicide is formulated as a suspension containing prothioconazole at a concentration of 150 g/L and azoxystrobin at a concentration of 150 g/L. This end-use product has a density of 1.054 g/mL and pH of 5.16. The required chemistry data for Gauntlet Fungicide have been provided, reviewed and found to be acceptable.

Health Assessments

Gauntlet Fungicide is of low acute toxicity via the oral and dermal routes of exposure. It is of slight acute toxicity via inhalation. Gauntlet Fungicide is mildly irritating to the eyes and to the skin. It is not a dermal sensitizer.

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

No new residue data for prothioconazole or azoxystrobin were submitted or required to support the registration of Gauntlet Fungicide. Previously reviewed residue data were re-assessed in the framework of this application.

The use directions on the Gauntlet Fungicide label, including the target crops, method (ground), rates and timing of application, geographic restrictions, preharvest intervals, feeding restrictions, and crop rotation restrictions, are comparable to those on the labels of the precedent end-use products.

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. Consequently, dietary exposure to residues of prothioconazole and azoxystrobin is not expected to increase with the registration of Gauntlet Fungicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

A scientific review of the available information has concluded that the environmental risks associated with the use of Gauntlet Fungicide are acceptable when the product is used according to the label directions, which include statements to mitigate risks to the environment.

Value Assessment

Based on application rate and formulation comparisons with cited precedent products as well as field efficacy/bridging trial results, it was concluded that Gauntlet Fungicide and the precedent products are expected to perform similarly, both in terms of efficacy and crop tolerance. Consequently, the value of certain claims currently registered for disease management on lentil and canola on the precedent product labels is determined to be also acceptable for Gauntlet Fungicide.

The availability of Gauntlet Fungicide will provide Canadian growers with an additional product to control common and economically important fungal diseases on lentil and canola and to manage the development of fungicide resistance in the target diseases.

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 Gauntlet Fungicide.

References

PMRA

Document

Number	Reference
3226282	2021, Gauntlet Fungicide Supplementary Chemistry Information, DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.3.1,3.5.12,3.5.13,3.5.15,3.5.4,3.5.5 CBI
3226283	2021, Technical Package Tazer Pro Azoxystrobin 150 Prothioconazole 150SC CA3642, DACO: 3.2,3.2.1,3.2.2 CBI
3226284	2020, Tazer Pro: Physical and Chemical Characteristics, DACO: 3.5.1,3.5.11,3.5.2,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9
3226285	2021, Final Report for: Accelerated Storage Stability and Corrosion Characteristics of CA3642, DACO: 3.4.1,3.5.10,3.5.14
3365528	2021, Final Report for: Method Validation of CA3642, DACO: 3.4.1 CBI
3367772	2022, Technical Package Gauntlet Fungicide Azoxystrobin 150 Prothioconazole 150SC CA3642, DACO: 3.2,3.2.1,3.2.2 CBI
3219846	2021, Joust Trials_Lentils, DACO: 10.2.3.3(D),10.3.2(B)
3219847	2021, Joust Trials_Peas, DACO: 10.2.3.3(D),10.3.2(B)
3226286	2021, A Rationale Based on Trial Data to Support the Equivalence of Gauntlet Fungicide to the Precedent Products Proline 480 SC Foliar Fungicide and Quadris Flowable Fungicide, DACO: 10.1,10.2.1,10.2.2,10.2.3.1,10.3.1
3226287	2021, Gauntlet Trials Spreadsheet, DACO: 10.1,10.2.3.3(D),10.3.2(B)
3226288	2021, Gauntlet Trials_Canola, DACO: 10.2.3.3(D),10.3.2(B)
3362889	2022, A Rationale to Support the Efficacy of the Proposed Rate of Gauntlet Fungicide in the Control of Ascochyta spp. in Chickpeas and Lentils, DACO: 10.2

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