Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 2.6 Application

Application Number: 2018-2840
Application: New End-Use Product – New Combination of Technical Active Ingredients
Product: A21573C Fungicide
Registration Number: 33572
Active ingredients (a.i.): Pydiflumetofen, Propiconazole
PMRA Document Number : 3038042

Purpose of Application

The purpose of the application was to register a new fungicide, A21573C Fungicide, for broad-spectrum disease control or suppression on canola (and certain crops in crop subgroup 20A), barley, wheat and oats.

Chemistry Assessment

A21573C Fungicide is formulated as a suspension containing pydiflumetofen at a concentration of 150 g/L and propiconazole at a concentration 125 g/L. This end-use product (EP) has a density of 1.10 g/cm^3 and pH of 8.19. The required chemistry data for A21573C Fungicide have been provided, reviewed and found to be acceptable.

Health Assessments

A21573C Fungicide is of low acute toxicity via the oral, dermal, and inhalation routes based on studies in rats. It is mildly irritating to the eyes and not irritating to the skin based on studies in rabbits. The EP is not a potential dermal sensitizer based on results of a local lymph node assay in mice.

The occupational exposure and risk of the use on wheat, barley, oats and canola on the A21573C Fungicide label was assessed. No risks of concern are expected when follow label directions and wear the personal protective equipment identified on the label.

No residue data were submitted in support of the registration of A21573 Fungicide. The use pattern of the EP was determined to be within those of the registered precedent products. Therefore, the previously reviewed data were reassessed in the framework of this application and it was confirmed that the use of A21573 Fungicide is not expected to result in an increase in the magnitude of pydiflumetofen and propiconazole residues in/on the treated crops. Therefore, the registration of A21573 Fungicide will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

Canada

A21573 Fungicide, for use in controlling various fungal diseases on barley, wheat, oats and canola (and certain crops in crop subgroup 20A) at the maximum proposed rate of 150 g a.i./ha pydiflumetofen and 125 g a.i./ha propiconazole is within the currently registered rates for both these actives for similar fungicides on similar crop groups, therefore no additional environmental risk is expected.

Value Assessment

Value information was submitted in the form of efficacy studies and rationales based on registrations of precedent products containing one of the two active ingredients. This information collectively demonstrated that A21573C Fungicide applied in accordance with the label will control blackleg caused by *Leptosphaeria maculans* in canola (and certain crops in crop subgroup 20A), suppress fusarium head blight in wheat, barley, and oat caused by *Fusarium* spp., and control labelled leaf and stem diseases in these same cereal crops. Canola, wheat, barley, and oats are all very important field crops grown in Canada, and A21573C Fungicide is an additional product that can be used in an integrated pest management program to manage these listed diseases.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support registration of A21573C Fungicide.

References

PMRA Document Number	References
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2900510	2018, Propiconazole/Pydiflumetofen A21573C - Document MIII, Section 1 Product Chemistry Volume DACO: 1.1.1,10.2.1,10.2.2,10.2.3.1,10.2.3.2,10.3.3,10.6,2.2,3.1.2,3.1.3,3.1.4,3.2.1,3.2.2,3.2.3,3.3.1,3.3.2,3.5.1,3.5.10,3.5.11,3.5.12,3.5.13,3.5.14,3.5.15,3.5.2,3.5.3,3.5.4,3.5.5,3.5.6,3.5.7,3.5.8,3.5.9,3.7,5.1,5.14,5.2,8.4.1,8.6 CBI
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2981986 2019, Clarification response, DACO: 3.3.2 CBI
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