

Evaluation Report for Category B, Subcategories 2.1, 2.3, 2.4, 2.5 Application

Application Number: 2021-6159
Application: New End-use product (Product Chemistry) – Guarantee, Identity of Formulants, Proportion of Formulants, and Formulation Type
Product: CGA279202 485SC Fungicide
Registration Number: 34961
Active ingredient (a.i.): Trifloxystrobin
PMRA Document Number: 3503572

Purpose of Application

The purpose of this application was to register a commercial end-use product, CGA279202 485SC Fungicide, for the control or suppression of certain diseases in grapes, pome fruits, asparagus, sugarbeet, stone fruits, celery, Chinese celery, root vegetables, strawberry, peanut and hazelnuts, as well as in wheat, fruiting vegetables, cucurbits and Christmas trees.

Chemistry Assessment

CGA279202 485SC Fungicide is formulated as a suspension containing trifloxystrobin at a concentration of 485 g/L. This end-use product has a density of 1.14 g/mL and pH of 7.7 (10% dilution). The required chemistry data for CGA279202 485SC Fungicide has been provided, reviewed and found to be acceptable.

Health Assessments

CGA279202 485SC Fungicide is of low acute oral, dermal and inhalation toxicity. It is non-irritating to the eyes and minimally irritating to the skin. It is not a dermal sensitizer.

The uses of CGA279202 485SC Fungicide to control various fungal pests on labelled crops do not fit within the registered use pattern of trifloxystrobin since the end-use product is a new formulation type. The product is formulated as a suspension concentrate, which required an updated mixer/loader/applicator quantitative risk assessment. No health risks of concern were identified for mixers, loaders and applicators, provided that workers wear the recommended personal protective equipment and use the recommended engineering controls. For postapplication workers, an updated quantitative postapplication worker exposure assessment was also conducted. No health risks of concern were identified for postapplication workers provided that workers respect the recommended restricted-entry intervals. For residential postapplication exposure, no health risks of concern were identified. No health risks of concern for bystanders are expected when label directions, precautions and instructions are followed.

No new residue data for trifloxystrobin in various crops were submitted or were required to support the registration of CGA279202 485SC Fungicide. Previously reviewed residue data from field trials conducted in/on various crops were reassessed in the framework of this application. In addition, processing studies in treated crops were also reassessed to determine the potential for concentration of residues of trifloxystrobin into processed commodities.

Based on this assessment, residues of trifloxystrobin are not expected to be greater than that for the currently registered uses and will be covered by the established maximum residue limits (MRLs). Consequently, dietary exposure to trifloxystrobin is not expected to increase with the registration of CGA279202 485SC Fungicide and will not pose health risks of concern to any segment of the population, including infants, children, adults, and seniors.

Environmental Assessment

The registered use pattern of CGA279202 485SC Fungicide is similar to the registered use pattern of the precedent product, therefore, no additional risk is expected from the use of CGA279202 485SC Fungicide.

The label includes all the required environmental precautions, directions for use and spray buffer zones information which adequately mitigate risks to the environment.

Risk from use of CGA279202 485SC Fungicide is acceptable from the environmental perspective when used according to label directions.

Value Assessment

Rationales and results from efficacy trials conducted in the USA, Mexico, New Zealand and South Africa between 2004 and 2011 were submitted in support of the use claims on the CGA279202 485SC Fungicide label. Overall, CGA279202 485SC Fungicide was demonstrated to be comparable in terms of efficacy when applied as a foliar application to the registered wettable granular formulation at similar rates. CGA279202 485SC Fungicide, at the labeled rates, controlled diseases tested in efficacy trials. The supporting evidence confirmed the value of CGA279202 485SC Fungicide against diseases on labelled crops.

The registration of CGA279202 485SC Fungicide will provide Canadian growers with a new product to manage these important diseases on label-listed 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 CGA279202 485SC Fungicide.

References

PMRA

Document

Number	Reference
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3292112	2003, Physical and chemical properties of Gem 500 SC (USF 2004 500 SC), DACO: 3.1,3.5,3.5.1,3.5.10,3.5.11,3.5.12,3.5.14,3.5.2,3.5.3,3.5.4,3.5.5,3.5.6,3.5.7,3.5.8,3.5.9 CBI
3393776	2001, Brookfield Viscosity Method, DACO: 3.5 CBI
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3393778	2000, Determination of pH of Water, Flowables and Solids, DACO: 3.5 CBI
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3393785	2022, Bridging storage stability data from Trifloxystrobin SC 500 g/L to Trifloxystrobin SC 485 (485 g/L), DACO: 3.5.10 CBI
3393786	2002, A10610A Storage Stability and Shelf Life Statement (2 years 20C) in packaging made of HDPE, DACO: 3.5.10 CBI
3393787	2000, Bulk Odor, DACO: 3.5 CBI
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3405534	2021, Compilation of Trial Reports, DACO: 10.2.3
3292114	2003, An acute oral LD50 study in the rat with USF 2004 500 SC, DACO 4.6.1
3292115	2004, An acute dermal LD50 study in the rat with USF 2004 500 SC, DACO 4.6.2
3292116	2003, USF 2004 500 SC - Study on acute inhalation toxicity in rats according to OECD no. 403, DACO 4.6.3
3292117	2003, USF 2004 500 SC - Primary eye irritation study in rabbits, DACO 4.6.4
3292118	2003, USF 2004 500 SC - Primary skin irritation study in rabbits, DACO 4.6.5
3292119	2003, USF 2004 500 SC - Study for the skin sensitization effect in guinea pigs (Buehler Patch Test), DACO 4.6.6

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