

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2020-0891
Application: Application subject to the Protection of Proprietary Interests in Pesticide Data Policy
Product: Cobranza
Registration Number: 34558
Active ingredients (a.i.): Copper (present as copper oxychloride)
PMRA Document Number: 3350738

Purpose of Application

The purpose of this application was to register a new end-use product, based on precedent, for the control of various fungal and bacterial diseases in labelled crops

Chemistry Assessment

Cobranza is formulated as a wettable powder containing copper (present as copper oxychloride) at a concentration of 50%. This end-use product has a density of 600-800 g/L and pH of 6.08-6.23. The required chemistry data for Cobranza have been provided, reviewed and found to be acceptable.

Health Assessments

Cobranza is considered to be toxicologically equivalent to the precedent products; therefore, no toxicology data are required.

The occupational and bystander exposure scenario of Cobranza is similar to the cited precedent products. Precautionary, personal protective equipment, and directions for use statements on the end-use product label aimed at mitigating user and bystander exposure are adequate to protect individuals from any potential risk due to occupational exposure; therefore, occupational risk to individuals handling Cobranza and bystanders is acceptable when the product is used according to label directions.

Drinking water exposure and risks from copper in drinking water from the uses of Cobranza are acceptable when the product is used according to label directions.

Maximum Residue Limit (MRL)

As part of the assessment process prior to the registration of a pesticide, Health Canada must determine whether dietary risks are acceptable from the consumption of foods treated with the pesticide when used according to the supported label directions. If acceptable,

this means food containing that amount of residue is safe to eat, and maximum residue limits (MRLs) may be proposed. MRLs are the maximum amount of pesticide residue legally permitted to remain in/on food sold in Canada and are specified under the *Pest Control Products Act* for the purposes of the adulteration provision of the *Food and Drugs Act*.

Currently, there is an established MRL of 50 ppm for copper on fresh fruit and vegetables.

Environmental Assessment

The registration of Cobranza for the control of various fungal and bacterial diseases in labelled crops does not pose any additional risk to the environment when used according to the label.

Value Assessment

To assess the efficacy of Cobranza against labelled fungal and bacterial pests on a diversity of fruit, vegetable and ornamental crops in the field and greenhouse tomato, the formulant constituents of Cobranza were compared to those of several registered products containing the active ingredient copper and the same label claims. Given this comparison it is expected that Cobranza will be as effective as the registered products with respect to all Cobranza label claims and crop safety.

Because the active ingredient copper has multiple effects on plant pathogens, development of resistance to this fungicide/bactericide is rare. For this reason, registration of Cobranza will provide growers with an additional product of reliable efficacy to manage a diversity of fungal and bacterial pathogens in some field-grown fruit, vegetable and ornamental crops and greenhouse tomato.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to register Cobranza.

References

PMRA

Document

Number	Reference
3099057	2018, Annex 1 to Final Report: Copper Oxychloride 50% WG - Part I: Evaluation of Physiochemical Properties of the Initial Preparation and After Accelerated Storage, DACO: 3.5.1,3.5.10,3.5.2,3.5.3,3.5.6,3.5.7,3.7
3099061	2016, Copper Oxychloride 50% WG - Method Development and Validation for the Determination of the Content of Active Substance in Formulation, DACO: 3.4.1,3.4.2
3099062	2016, Copper Oxychloride 50% WG - Determination of Flammability, Relative Self-Ignition Temperature and Oxidizing Properties, DACO: 3.5.11,3.5.8,3.7
3099063	2016, Copper Oxychloride 50% WG - Part I: Evaluation of Physiochemical Properties of the Initial Preparation and After Accelerated Storage, DACO: 3.5.1,3.5.10,3.5.2,3.5.3,3.5.6,3.5.7,3.7
3099064	2016, Copper Oxychloride 50% WG - Determination of Explosive Properties, DACO: 3.5.12
3099070	2020, Manufacturing Description - Cobranza, DACO: 3.2.1,3.2.2,3.2.3 CBI
3099071	2017, Copper Oxychloride 50% WG - Part II Evaluation of Physiochemical Properties After the First Year of Storage, DACO: 3.5.10
3099072	2018, Copper Oxychloride 50% WG - Part III Evaluation of Physiochemical Properties After the Second Year of Storage, DACO: 3.5.10
3099074	2020, DACO 3 Extras - Additional Product Chemistry Cobranza Wetttable Powder Fungicide (Parent), DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.5.13,3.5.14,3.5.15,3.5.4,3.5.5

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