

Evaluation Report for Category B, Subcategory 3.1 Application

Application Number: 2010-2563
Application: Changes to Product Labels – Application Rate Increase
Product: Cruiser Maxx Cereals Commercial Seed Treatment
Registration Number: 29127
Active ingredients (a.i.): difenoconazole (DFZ), metalaxyl-m and s-isomer (MFN), thiamethoxam (THE)
PMRA Document Number English PDF: 2086080

Purpose of Application

The purpose of this application was to add an application rate range to the product label, which will provide commercial retailers a pre-mix alternative to currently registered tank-mixes for the control of certain pests and diseases.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required as there was no change to the product formulation.

The amount of metalaxyl from the increased application rate of Cruiser Maxx Cereals Commercial Seed Treatment is considered to be within the registered use pattern of the active. Increases of occupational dermal and inhalation exposures are expected for difenoconazole. An exposure and risk assessment conducted for difenoconazole is considered acceptable when using personal protective equipment currently on the product label. Although the amount of thiamethoxam is within the commercial treatment use pattern of the active, an exposure and risk assessment was conducted for planting. In addition to the personal protective clothing currently on the Cruiser Maxx Cereals Seed Commercial Treatment label (long-sleeve shirt, long pants, and chemical-resistant gloves), a NIOSH/MSHA-approved dust mask is worn to mitigate inhalation exposure during planting. When using closed-cab planting equipment, chemical-resistant gloves and NIOSH/MSHA-approved dust mask are not required inside the cab. Bystander exposures were not quantified.

A review of the labels was conducted to support the addition of an application rate range, and the increase in the maximum product application rate on Cruiser Maxx Cereals Commercial Seed Treatment labels. This product contains the active ingredients thiamethoxam (insecticide), difenoconazole (fungicide) and metalaxyl-m (fungicide). The addition of the application rate range resulted in an increase in the maximum product application rate. The maximum product application rates are within the maximum application rates on registered products containing the same active ingredients. Therefore, no additional residue data are required in the context of this submission. From a food residue exposure point of view, no changes in the magnitude of the residues in food and feed crops are expected, and thus no increase in dietary exposure is anticipated.

Environmental Assessment

No additional environmental data were required for the rate increase for Cruiser Maxx Cereals Commercial Seed Treatment. Label statements were amended in accordance with current practice and for consistency with the currently approved label for Cruiser Maxx Cereals Commercial Seed Treatment.

It should be noted, however, that there are existing environmental data gaps for the Category B submissions for conversion from conditional to full registration for thiamethoxam seed treatments and other thiamethoxam products that are still required to support registration for Cruiser Maxx Cereals Commercial Seed Treatment and other thiamethoxam products.

Value Assessment

Sufficient information was provided to support the use of Cruiser Maxx Cereals Commercial Seed Treatment on barley, buckwheat, millet, rye, sorghum, triticale and wheat at an application rate range of 325-650 ml of product/100 kg seed for control/suppression of wireworm and labelled diseases. Tank mixes with Cruiser 5FS Seed Treatment, Cruiser 350FS Seed Treatment for control of wireworm and European chafer and with Dividend XL RTA fungicide for listed disease,s are supported based on the registered use pattern for thiamethoxam, difenoconazole and metalaxyl-M. No adverse effects or loss of fungicidal or insecticidal efficacy are expected.

Conclusion

The PMRA has completed an assessment of the available information for Cruiser Maxx Cereals Commercial Seed Treatment, and has determined that the addition of an application rate range to the product label is acceptable.

Références

PMRA #	Reference
1913668	2010, Thiamethoxam/Difenoconazole/Metalaxyl-M FS (A15424B): Occupational Exposure Risk Assessment for Cruiser Maxx Cereals Seed Treatment - Application to Increase Product Rate on Cereals, DACO: 5.2,5.3,5.6

- 1913668 2010, Thiamethoxam/Difenoconazole/Metalaxyl-M FS (A15424B): Occupational Exposure Risk Assessment for Cruiser Maxx Cereals Seed Treatment - Application to Increase Product Rate on Cereals, DACO: 5.2,5.3,5.6
- 1948308 2010, 10.2.3.1-Efficacy Rationale-Response to deficiency for Cruiser MAXX Cereals, DACO: 10.2.3.1

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