Health Canada Santé Canada

# Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2014-1000
**Application:** New maximum residue limit for a previously assessed technical grade active ingredient
**Product:** DuPont Cyazypyr Technical Insecticide
**Registration Number:** 30890
**Active ingredients (a.i.):** Cyantraniliprole
**PMRA Document Number :** 2544399

## Purpose of Application

The purpose of this application was to establish maximum residue limits (MRLs) for the technical grade active ingredient, cyantraniliprole, on imported tea, coffee, pomegranates and rice.

## Health Assessments

Residue data for cyantraniliprole were submitted to support the MRLs on imported coffee, tea, rice, and pomegranates.

The recommendation for MRLs for cyantraniliprole was based upon the submitted field trial data, and the guidance provided in the OECD MRL Calculator. MRLs to cover residues of cyantraniliprole in/on crops and processed commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

**TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit(s) (MRLs)**

| Commodity | Application Method/ Total Application Rate (g ai/ha) | PHI (days) | Residues (ppm) | | Experimental Processing Factor | Currently Established MRL (ppm) | Recommended MRL (ppm) |
|---|---|---|---|---|---|---|---|
| | | | Min | Max | | | |
| Green coffee beans | 400 of 200 g/L SC + 350 of 100 g/L OD | 7 | <0.01 | 0.030 | None | None | 0.05 |



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| TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit(s) (MRLs) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Commodity** | **Application** | **PHI** | **Residues (ppm)** | | **Experimental** | **Currently** | **Recommended** |
| Tea (dried leaves) | 200 | 7 | 4.185 | 20.550 | None | None | 60 |
| Rice | 200 | 7 | <0.01 | 0.011 | None | None | 0.015 |
| Pomegranates | 180 | 5 | <0.005 | <0.005 | None | None | 0.01 |

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of cyantraniliprole. Residues in these crop commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

**Chemistry, Environmental and Value Assessments**

Chemistry, environmental and value assessments were not required for this application.

**Conclusion**

The PMRA has complete a review of all available information and proposes MRLs for cyantraniliprole, as listed in Table 1, on imported coffee, tea, rice, and pomegranates.

**References**

| PMRA Document Number | Reference |
|---|---|
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| 2404733 | 2013, Magnitude of the Residue of Cyantraniliprole and its Metabolites on Tea. Japan. DACO: 7.4.1. |
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