Health Canada Santé Canada

# Evaluation Report for Category B, Subcategory 5.0 Application

**Application Number:** 2016-4972
**Application:** B.5.0 - New import MRL for previous assessed TGAI
**Product:** Indaziflam Technical Herbicide
**Registration Number:** 30219
**Active ingredients (a.i.):** Indaziflam
**PMRA Document Number : 2796550**

## Purpose of Application

The purpose of this application was to establish an import MRL for indaziflam in coffee.

## Health Assessments

Residue data for indaziflam in coffee were submitted to support the maximum residue limit on imported coffee. In addition, processing studies in treated coffee were reviewed to determine the potential for concentration of residues of indaziflam into processed commodities.

## Maximum Residue Limit

The recommendation for a maximum residue limits (MRL) for indaziflam was based upon the submitted field trial data, and the guidance provided in the OECD MRL Calculator. MRLs to cover residues of indaziflam and the metabolite FDAT in/on green coffee bean and processed commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRL for the raw agricultural commodity (RAC).

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

| Commodity | Application Method/ Total Application Rate (g a.i./ha) | PHI (days) | Residues (ppm) | | Experimental Processing Factor | Currently Established MRL (ppm) | Recommended MRL (ppm) |
|---|---|---|---|---|---|---|---|
| | | | LAFT | HAFT | | | |
| Green coffee beans | Broadcast or banded to the ground/ 150-157 | 13-14 | <0.01 | <0.01 | -- | None | 0.01 |
| | Broadcast to the ground/ 98-111 | 18-20 | <0.01 | <0.01 | -- | | |



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| TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit (MRL) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Commodity** | **Application Method/** | **PHI** | **Residues (ppm)** | | **Experimental** | **Currently** | **Recommended** |
| | Broadcast to the ground/<br>500 | 20 | <0.01 | <0.01 | -- | | |
| Green coffee beans | Broadcast to the ground/<br>483 | 13 | <0.01 | <0.01 | -- | | |
| Roasted coffee bean | | | <0.015 | <0.015 | Not calculated[1] | | None |
| Instant coffee | | | <0.055 | <0.055 | | | |

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

[1] A processing factor could not be calculated because residues were less than the limit of quantitation (<LOQ) of 0.01 ppm in the RAC (green coffee beans), and <LOQ of 0.015 ppm and 0.055 ppm in the processed commodities roasted coffee bean and instant coffee, respectively.

## Chemistry, Environmental and Value Assessments

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

## Conclusion

Following the review of all available data, the MRL proposed in Table 1 is recommended to cover residues of indaziflam. Residues in this commodity at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

## References


| | |
|---|---|
| 2680860 | INDAZIFLAM: MAGNITUDE OF THE RESIDUE ON COFFEE IR-4 PR No. 10654, 2014 |
| 2672245 | Indaziflam (BCS-AA10717 500 SC) - Magnitude of the residue in/on coffee; U.S., Canada and EU import tolerance, 2011 |
| 2672246 | Indaziflam (BCS-AA10717 500 SC) - Magnitude of the residue in/on processed commodities for coffee; U.S., Canada and E.U. import tolerance, 2011 |

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