

## Evaluation Report for Category B, Subcategory 4.1 Application

**Application Number:** 2013-5667  
**Application:** Conversion to full registration without consultation  
**Product:** Nipsit Inside 600 Insecticide  
**Registration Number:** 28975  
**Active ingredients (a.i.):** Clothianidin  
**PMRA Document Number:** 2699755

### Background

Clothianidin was first conditionally registered in Canada as an agricultural seed treatment product in 2003. As part of the registration conditions, a hive study conducted under field conditions was requested to examine the long-term effects of clothianidin on honey bee colonies foraging on clothianidin treated canola. Nine higher tiered semi-field and field studies were reviewed under the initial application to register clothianidin and under subsequent applications. The studies did not indicate any significant effect on honey bees; however, all of the studies were found to be deficient in design or were limited and an additional hive study was requested.

### Purpose of Application

The purpose of this application was to fulfil the condition of registration and the additional data requirements identified by the PMRA, and convert to full registration.

### Chemistry Assessment

Nipsit Inside 600 Insecticide is a liquid containing the active ingredient clothianidin at a nominal concentration of 600 g/L. This product has a density of 1.27 – 1.29 g/mL and pH of 5.7 for a 1 % solution in water. The chemistry requirements for Nipsit Inside 600 Insecticide are complete.

### Health and Value Assessments

Health and value assessments were not required for this application.

### Environmental Assessment

A submitted higher tiered field study conducted with honey bee hives was reviewed and found to be insufficient to support the conversion of Nipsit Inside 600 Insecticide from conditional to full registration for the following reasons:

- The hive study did not indicate any significant effect on honey bee colonies; however, the results of the study were considered limited due to some uncertainties associated with exposure levels.
- Since the submission of the subject application, the pollinator risk assessment framework has been updated. In light of these updates, which include changes in the information required, additional information to characterize the risks of pesticides to honey bees and other non-*Apis* bees in accordance with the framework is required.

## **Conclusion**

The PMRA has completed an evaluation of the subject application and has found that the submitted data are insufficient to support the conversion of Nipsit Inside 600 Insecticide from conditional to full registration at this time. Additional information is required as issued in a Section 12 Notice.

## References

PMRA Document Number	Reference
2359176	2012, Shelf-Life Storage Stability and Corrosion Characteristics of NipsIt INSIDE 600 Insecticide, DACO: 3.5.10,3.5.14
2352001	2013, Interim Report: Potential Long-Term Influences of Clothianidin-treated Canola Seed Plantings on Honey Bees ( <i>Apis mellifera</i> L.), DACO: 9.2.9
2357346	2013, Potential Long-term Influences of Clothianidin-treated Canola Seed Plantings on Honey Bees ( <i>Apis mellifera</i> L.), DACO: 9.2.9

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