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**Date:** 1/18/2018

**GAIN Report Number:** CA18005

## Canada

**Post:** Ottawa

### Health Canada Opens Consultations on Neonicotinoids

**Report Categories:**

Fresh Fruit

Vegetables

Grain and Feed

Pest/Disease Occurrences

Planting Seeds

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**Report Highlights:**

Canada has proposed re-evaluations of two neonicotinoids: [clothianidin](#) and [thiamethoxam](#). The public comment period will close on March 19, 2018.

**Keywords:** Canada, CA18005, Neonicotinoids, Fruit, Vegetable, Grain, Seeds, Pesticides

Following updates to the literature concerning health risks to pollinators presented by neonicotinoids, Health Canada's Pest Management Regulatory Agency (PMRA) has proposed re-evaluation decisions on [clothianidin](#) and [thiamethoxam](#). PMRA has opened a public consultation period for comments before final decisions on the re-evaluation will be published. The public comment period will close on March 19, 2018.

Canada began the review process of three agriculturally important neonicotinoids (imidacloprid, clothianidin, and thiamethoxam) in 2012. In March 2017, [FAS/Canada highlighted](#) the consultation process for Imidacloprid and earlier PMRA decisions on clothianidin and thiamethoxam. In December 2017, PMRA released an [update](#) on the re-evaluation process for neonicotinoids, including [consultations](#) on pollinator re-evaluations and the registration status for clothianidin and thiamethoxam.

The following consultation summary documents are available: Proposed Re-Evaluation for Clothianidin [PRVD2017-23](#), Proposed Re-Evaluation for Thiamethoxam [PRVD2017-24](#), Proposed Registration for Clothianidin [PRD2017-17](#), and Proposed Registration for Thiamethoxam [PRD2017-18](#). The public comment period is open until March 19, 2018, and comments can be submitted electronically using [PMRA's Publications Section](#); reference PRVD2017-23, PRVD2017-24, PRD2017-17, or PRD2017-18 accordingly.

Full consultation documents can be requested through PMRA's online platform or by contacting the Pest Management Information Service. Health Canada will hold a [webinar](#) on January 23, 2018, to provide an overview of the re-evaluation decisions for clothianidin and thiamethoxam.

### **Pest Management Information Service**

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## **Background**

**Table 1: Publication Schedule for Neonicotinoid Assessments**

	<b>Imidacloprid</b>	<b>Clothianidin</b>	<b>Thiamethoxam</b>
<b>Consultation on outcome of science reviews and proposed measures to protect pollinators</b>	March 2018	December 2017	December 2017
<b>Final science reviews and decision on measures to protect pollinators</b>	December 2018	December 2018	December 2018
<b>Consultation on outcome of science reviews and proposed measures to protect aquatic life</b>	-	July 2018	July 2018
<b>Final Decision on measures to protect aquatic life</b>	December 2018	January 2020	January 2020

Source: [\*PMRA Update on the Neonicotinoid Pesticides\*](#)

Clothianidin and thiamethoxam are classed as neonicotinoid pesticides used for crop protection and pest control and are applied to seeds, leaves, and through ground treatments to mitigate insect damage to crops and to control insect populations. As part of the PMRA's 2012 announcement of the re-evaluation of neonicotinoids, the registration status, risks to pollinators, and risks to aquatic life are being evaluated to determine usage and registration restrictions for imidacloprid, clothianidin, and thiamethoxam. PMRA is proposing a phase-out of Sepresto 75 WS and a three-year registration for sale and use of the remaining products for clothianidin and related products (see Table 2). PMRA is proposing a three-year registration for thiamethoxam products (see Table 3).

Following an evaluation of the literature concerning the risk to pollinator health from clothianidin conducted in collaboration with the U.S. Environmental Protection Agency (EPA), PMRA has proposed the following measures:

- Phase-out clothianidin use for:
  - Foliar (leaf) application for orchard trees and strawberries
  - Foliar application for municipal, industrial, and residential turfs
- Foliar applications to cucurbit vegetables will be reduced to one time per season
- Additional label statements will be required for seed treatment of cereal crops to decrease pollinator exposure to dust during planting

The risk assessment for the impact of thiamethoxam was also conducted in collaboration with the EPA, and PMRA has proposed the following measures:

- Phase-out thiamethoxam use for:
  - Foliar (leaf) application for orchard trees
  - Soil/ground application for berry crops, cucurbit and fruiting vegetables
  - Foliar and soil application to ornamental crops (where application would result in pollinator exposure)
- Spray bans before and/or during bloom season for:
  - Foliar application to legumes and outdoor fruiting vegetables
  - Foliar application to berry crops
- Additional label statements will be required for seed treatment of cereal crops to decrease pollinator exposure to dust during planting

Final decisions will be determined following evaluation of comments submitted during the consultation period ending March 19, 2018.

**Table 2: Conditionally Registered Clothianidin Products**

Product Name	Registration Number
Sepresto 75 WS	30972*
clothianidin Insecticide	29384
Arena 50 WDG Insecticide	29383
Clutch 50 WDG Insecticide	29382
Poncho 600 FS Seed Treatment Insecticide	27453
Titan Insecticide	27449
Prosper FL Flowable Insecticide and Fungicide Seed Treatment	27564
Nipsit Inside 600 Insecticide	28975
Prosper T 200 Flowable Insecticide and Fungicide Seed Treatment	29158
Prosper FX Flowable Insecticide and Fungicide Seed Treatment	29159

Product Name	Registration Number
Emesto Quantum	30362
Prosper Evergol	30363
Nipsit Suite Canola Seed Protectant	31355
Nipsit Suite Cereals of Seed Protectant	31357

**\*proposed for phase-out**

Source: [Proposed Registration for Clothianidin PRD2017-17](#)

**Table 3: Conditionally Registered Thiamethoxam Products**

Product Name	Registration Number
Cruiser Maxx Vibrance Cereals Seed Treatment	30436
Helix Liquid Seed Treatment	26637
Helix XTRA Seed Treatment	26638
Cruiser 5FS Seed Treatment	27045
Cruiser 350FS Seed Treatment Insecticide	27986
Cruiser Maxx Beans Seed Treatment	28821
Cruiser Maxx Cereals Commercial Seed Treatment	29127
Cruiser Maxx Cereals Seed Treatment	29192
A18046A Seed Treatment	30388
Cruiser Maxx Potato Extreme	31024
Cruiser Vibrance Quattro	31453

Product Name	Registration Number
Helix Vibrance	31454

Source: [\*Proposed Registration for Thiamethoxam PRD2017-18\*](#)