

A close-up photograph of a plant with small, rounded, green leaves. Several small, dark, fuzzy caterpillars (larvae) are visible on the leaves, some of which are showing signs of being eaten, with small holes visible. The background is a soft-focus green.

Detecting, Identifying & Managing Box Tree Moth (*Cydalima perspectalis*)

Jen Llewellyn M.Sc.

Nursery and Landscape Specialist
Ontario Ministry of Agriculture, Food & Rural Affairs

Box Tree Moth (*Cydalima perspectalis*)



Image: David Beadle





Box Tree Moth: the good news!

- Effective TEAM: LO-CNLA-CFIA-OMAFRA-City of Toronto
- Effective Larval BIO-insecticides: **Dipel (2019), Class 11** (+ Bioprotec, Xentari....2020)
- Effective Traps and Pheromone

BTM TRAPS

Solida.ca

Milk Carton style Trap
+ Tanglefoot insert
+ Pheromone

(Replace Pheromone
Lure Every 5 weeks)



BTM- Larval Hibernarium (Sep-May)



BTM- Larval Hibernarium





(Fresh), Early-instar Larval feeding



(Old) Early Instar Larva DAMAGE and webbing weeks or months later





Older Larvae

FRESH, Late-instar larval feeding (only leaf margins remain)



Box Tree Moth Damage



(Old) Late Instar Larva DAMAGE

BEFORE - Aug 19th



AFTER - Nov 5th



BEFORE - Aug 19th



AFTER - Nov 5th



2019/11/05 14:16

A photograph of a garden featuring a large, dense green hedge in the background. In the foreground, there is a manicured lawn and a flower bed with several red tulips and some pinkish-white ones. The tulips are in various stages of bloom. The overall scene is lush and green, suggesting a well-maintained garden.

B.t. App's Approx Dates:

- 1) May 30 to June 15
- 2) July 15 to August 10
- 3) September 5 to 15

BTM - ID Card from CFIA



Canadian Food
Inspection Agency

Agence canadienne
d'inspection des aliments

Canada

BOX TREE MOTH

REPORT ALL SIGHTINGS:
www.inspection.gc.ca/pests

Actual Size



Larva and webbing



Host: Boxwood, *Buxus* spp.

BTM in Toronto

- Management: effective bio-insecticides (Dipel, Class 11 meaning it can be used in the landscape)
- Monitoring: Scouting and Effective Pheromone-baited Traps
- Not in Nursery Production
- Continue to use boxwood with confidence
- We all need to be on the lookout for this pest in Toronto and take a minute to look inside foliage for signs + symptoms



For More Information on BTM:

Box Tree Moth page on **LO** website: *webinar, ID card*

BTM Traps, Pheromones: **SOLIDA.CA** (4 lures-\$14; Trap-\$10)

Jennifer.Llewellyn@Ontario.ca