

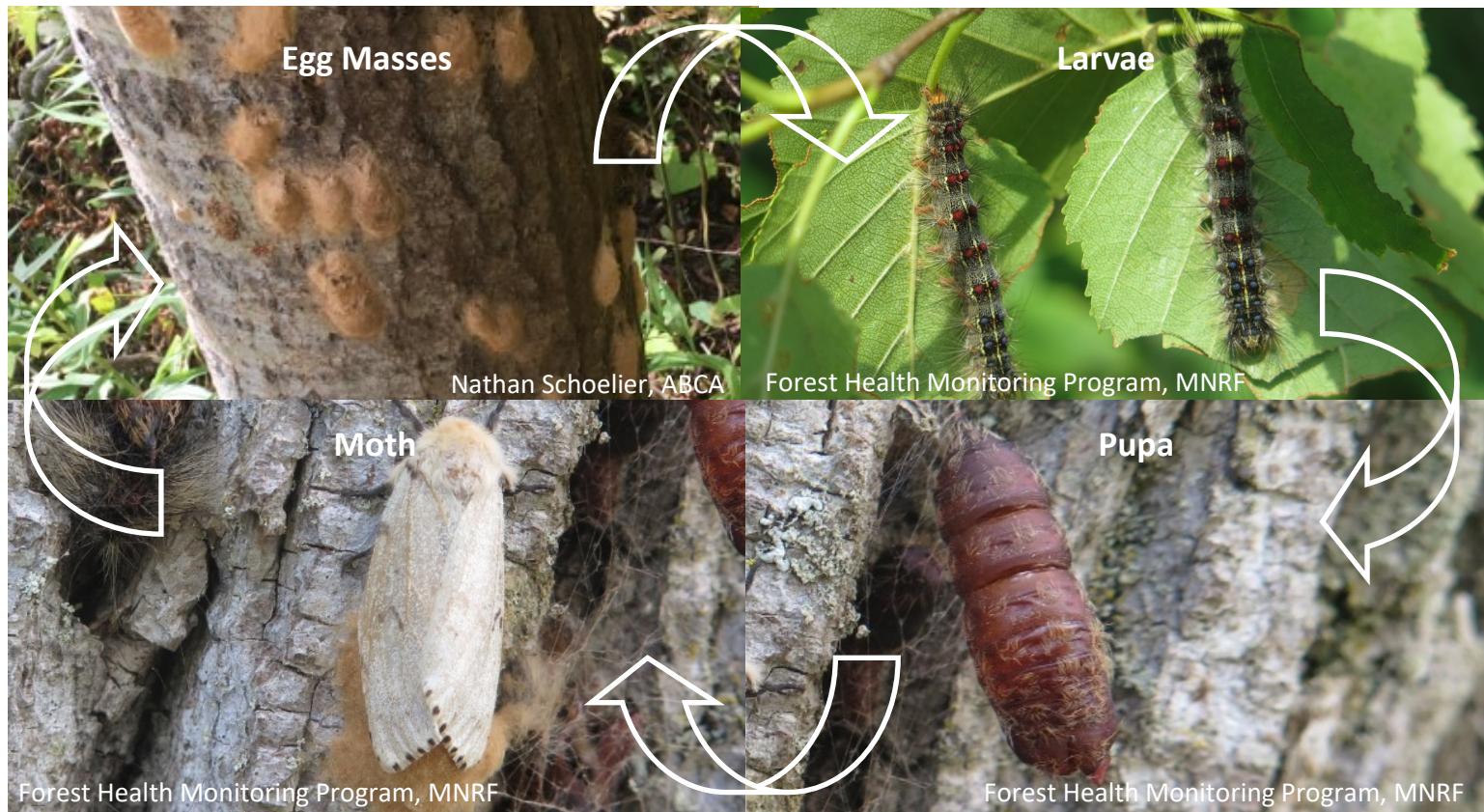
# Landowner Guide to Gypsy Moth Management

(*Lymantria dispar*)

April 1, 2020

## General Overview

- An invasive insect to North America, native to Asia and Europe
- Defoliates host trees, with oak and poplar being among the insects favourite host trees
- During gypsy moth outbreaks, severe defoliation can be observed across the landscape
- Defoliation results in aesthetic concerns, severe defoliation or defoliation across consecutive years can negatively impact tree health and survival



	Identification Features	Time of Year
<b>Egg Mass</b>	<ul style="list-style-type: none"><li>• Approximately 4cm. in size, orange-tan soft mass</li><li>• Commonly found on tree trunks, can be on other structures</li></ul>	September to late April
<b>Larvae</b>	<ul style="list-style-type: none"><li>• 5-6cm. caterpillar, has 5 pairs of blue dots followed by 6 pairs of red dots along its back</li></ul>	May to August
<b>Pupa</b>	<ul style="list-style-type: none"><li>• 5-6cm. Hard shell, brown with fine hairs</li><li>• Commonly found in bark crevices, can be on other structures</li></ul>	June to late August
<b>Moth</b>	<ul style="list-style-type: none"><li>• Females are white, have a 5cm. wingspan but cannot fly</li><li>• Males are brown, have a 2.5cm. wingspan, are able to fly</li></ul>	July to September

Ausable Bayfield Conservation Authority (ABCa)

71108 Morrison Line, R.R. #3 Exeter, ON N0M 1S5

(519) 235-2610 • 1-888-286-2610 • [www.abca.ca](http://www.abca.ca) • [info@abca.ca](mailto:info@abca.ca)



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## What can you do to protect your trees?

### Remove & Dispose of Egg Masses - November through until late April

- Removing and disposing of egg masses is an effective way to prevent the emergence of thousands of caterpillars
- Scrape the egg masses off of the tree with a dull knife and place them into a sealable bag or a container of soapy water for a few days before discarding of them



Ian Jean, ABCA



Nathan Schoelier, ABCA

### Place Sticky Barriers on Trees - Late April through until late May

- Placing sticky barriers on the trunk of the tree can inhibit some of the young caterpillars from crawling up the tree
- A few rounds of either double sided tape, or inverted duct tape applied to the tree trunk



Nathan Schoelier, ABCA

### Install Burlap Bands - Late May until late August

- Placing burlap bands on the trunk of the tree provides a location for the caterpillars to congregate during the day
- Place burlap on the tree (approx. 1m high), attach it in the middle and fold it down over itself to create a "pocket." Every afternoon, collect the caterpillars that have congregated within the burlap; squish or place them in soapy water to reduce caterpillar numbers

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