

## Spongy Moth Update

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# **Background**



- New name Spongy Month
- Past names Lymantria dispar dispar (LDD) moths/ European gypsy moth
- First found in Ontario in 1969
- Appears in 7 to 10-year cycles, usually lasting 3 years – we are in year 3
- Population fluctuates in relation to environmental and biological controls



#### **Current Outbreak**



- 2021 outbreak has been severe and distressing to homeowners especially during the added stress of Covid-19 restrictions.
- Homeowners are overwhelmed, concerned about the health of their trees, and some are experiencing skin irritations from contact with caterpillars.

#### Overarching Concerns:

- Ecological impacts from declines\losses of oaks and other trees
- Negative forest user experiences due to large numbers of caterpillars and tree declines and mortality
- Increased hazard tree removal costs

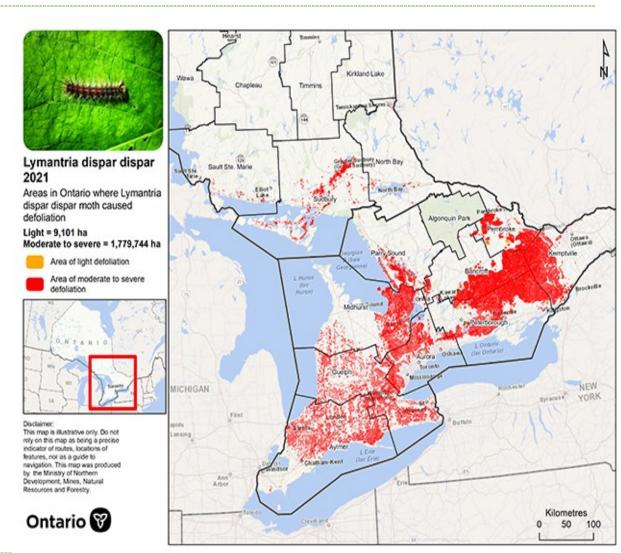




## **Current Outbreak**



- Defoliation of oaks, poplars, birch trees across Southern Ontario
- Majority of healthy trees expected to recover



# Pest Management Strategies



Egg: Late August to Late April

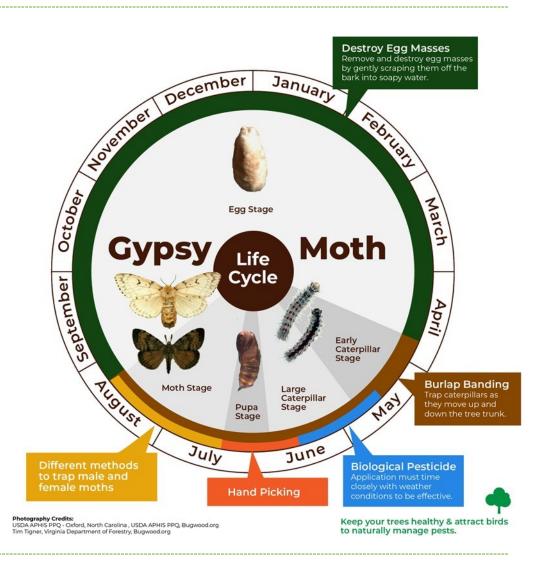
Larvae: Late April to Mid June

Pupa: Mid June to Mid July

Adults: Mid July to Late

August





# **Integrated Pest Management**



- Remove eggs masses from Special Management Zones in County Forest
- Burlap wrap high value trees
- Analyze defoliation and tree recovery
- Count egg masses to predict extent of 2023 outbreak
- Direct residents to <u>www.Northumberland.ca/gyps</u> <u>ymoth for pest management</u> strategies
- Collaboration with Rice Lake Plains Partners





# **Approach across Ontario**



Most municipalities and Conservation
 Authorities are using similar pest management strategies







# **Pheromone Traps**



- Pheromone traps are intended to attract and trap male adult Spongy moths, to prevent them from mating with females.
- Pheromone traps are not the most effective management option. However, it may reduce adult male moth numbers at small scales
- Generally, this is used as a monitoring technique



## **Future Considerations**



- Survey defoliation and mortality of trees
- Forecast 2023 outbreak through Modified Kaladar Plot (MKP)
- Review new treatments as they come out



