

GYPSY MOTH SPRAYING

For Information Only

Why Consider spraying?

In the past several years, our trees have suffered the perfect storm of tent caterpillars passing through while the invasive Gypsy Moth has also expanded its range. Gypsy Moths, unlike tent caterpillars, are an invasive species that are adapting to our forests and now attack both deciduous and coniferous trees.

What is this Spray?

The caterpillars are susceptible to *Bacillus thuringiensis* (B.t.), a bacterium that is native to our soil and does not target mammals or birds. This is not a chemical toxin and is safe for people, plants and the food chain. The spray is applied to specific areas through a computer controlled aerial spray system. The bacteria land on leaves, are consumed by the caterpillars and kill the caterpillars through their digestive systems.

<http://npic.orst.edu/factsheets/bt-gen.html>

How Can We Help?

Your Lake Association can compile and provide your contact information to Zimmer Air so that we receive a coordinated spray application and enhance our priority in a very busy spray season. See page 3 for the sign up link!



Aerial Spraying Service

Zimmer Air Service - <https://zimmerair.com>

The only contractor we have found to provide aerial spraying in Ontario is Zimmer. All property owners must contract their services directly, but we can provide administrative support to connect you and your property information for a mass spraying program. Currently there is an overwhelming demand for their services and we will find a benefit by combining forces in our area.

Pricing Per Customer: \$357 first acre(or less), and \$96/acre additional, taxes included. (includes 2 spray applications)

For contiguous property swathes, discounts of 10 - 18% may be applied. We will ensure that Zimmer consider this discount!



Other options?

Last Autumn, CLA connected members to a webinar that outlined ways you could protect individual trees on your property.

While these solutions may be useful in urban environments with a couple of trees per property, as our Brooke Briggs said, "It's like bailing a leaky boat with a teaspoon." We are surrounded by forest and caterpillar nests can be seen on branches well beyond our reach.

Other solutions include:

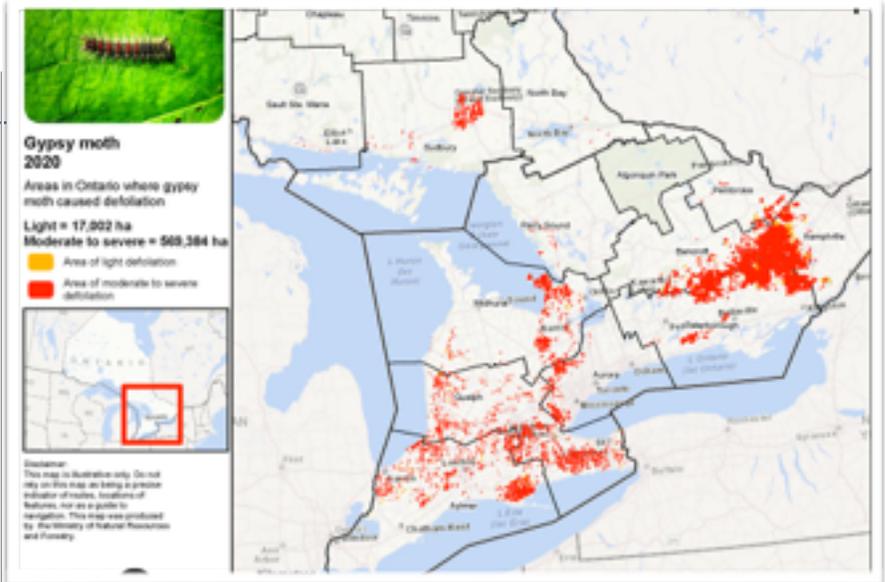
- Hand-pick caterpillars and crush them
- Hand spraying B.t. on egg masses
- Wrapping trunks in burlap to impede caterpillars from climbing to leaves
- Scrape egg masses into a container

Local Endorsement

Zimmer Air Services were contracted in 2020 by several residents on our South Shore.

"I worked with my immediate neighbours last year to contract Zimmer Air to have our properties sprayed. I found the company excellent to work with, very accommodating and they provided clear direction on our responsibilities, the costs and what we could expect from the spraying. They gave us information from the Ministry of the Environment regarding safety as well. I was really happy with the results. We had very little damage to our forest as the trees adjacent to our properties did have significant gypsy moth damage. We could use our property without the caterpillar infestation that other people we know had. We contracted them to spray again this year."

Mary van Soeren



Our county sits at the heart of the worst defoliation in the province.

How about the Environment?

If climate change concerns you, consider the importance of large tree canopies to both carbon exchange and shade. Our mature trees are at most at risk from this invasion. Deadfall in untended forest will provide tinder for forest fires. Forest renewal takes decades and we may lose native species in the process.

B.t. is approved for use and has been widely used in Canada to combat several forest pests, including by the City of Toronto in 2020.

Safety information: <https://www.valentbiosciences.com/foresthealth/wp-content/uploads/sites/5/2019/05/SDS-VBC-0244R2-Foray-48B-CANADA-03-31-2020-.pdf>



Pricing FAQ

What is the Base Cost?

\$357 for initial contract, up to one acre, \$96/acre for remainder, taxes included. Properties over 50 and 100 acres may negotiate lower rates. Two sprays are included for effective treatment.

How Do They Know Where to Spray/Where Not to Spray?

Property mapping is based on tax roll numbers and discussed with each property owner. GPS coordinates are used to control spraying precisely via onboard computer.

I Own Several Pieces of Land, Can I Save on the Initial Fee?

For adjoined multiple properties owned by SINGLE OWNER, the \$357 fee, which includes mapping, contract etc, may be waived for the additional properties.

Can I Join With My Neighbours on a Single Contract?

Adjacent neighbours may not combine to arrange single contracts; each property owner must each individually contract for spraying services.

Does My Entire Property Have to Be Sprayed?

Partial property spraying can be arranged with Zimmer for larger properties. Generally, spraying areas should line up with neighbours.

Can We Save Any Money as a Group?

With sufficient areas contracted, we may all receive discounts on our final bills. This is not currently guaranteed, but it will be more easily negotiated if we submit a single "sign up" sheet. Your CLA reps will work hard to obtain discounts!

Sign up on the link provided below. Zimmer Air Services will contact you directly to provide a quote and prepare documentation.

<https://christielakeassociation.com/gypsy-moth-aerial-spray-sign-up-form-zimmer-air-services/>

Disclaimer

CLA Inc. does not guarantee the work, safety, timing or any other aspects of contracts with Zimmer Air Services nor has any control or involvement with contracts signed between property owners and Zimmer Air Services. CLA Inc. is acting as a coordinator to connect interested members with Zimmer Air and is not profiting from any business transacted.