

# Managing Gypsy Moth in Small Landscapes



Vincent Cotrone  
Extension Urban Forester  
Penn State University



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# APPLICATION OPTIONS

- Basal Soil Drench
- Basal Soil Injection
- Trunk Injection Systems
- Macro Infusion/Injection
- Micro Infusion
- Canopy Sprays



# Canopy Spraying – Need large equipment



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# ORGANIC SAFE PRODUCTS

Foliar Applications Early when caterpillars are small



Conserve (Spinosad - bacterium) or  
Thuricide/ Dipel (B.t. var. kurstaki)



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# Pesticides for Foliar Applications

If you missed the early May spray window for using BT (bio-controls)

- **Orthene** (Acephate)
- **Sevin** (Carbaryl)
- **Dimlin** (Diflubenzuron) – restricted use pesticide that can only be applied by a licensed applicator.

**Note** – all are toxic to bees and other pollinators

**ALWAYS READ and FOLLOW THE LABEL!**



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# Soil Drench and Soil Injections



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# Systemic Pesticides that Moves from Roots to Leaves



NET CONTENTS  
**150 g (0.33 lb)**  
[Consists of (20) twenty  
7.5 g (0.26 oz)  
foil packets]

## Lepitect™ Infusible

Ornamental Tree & Shrub Insecticide

For outdoor use in the control of insect pests of ornamental trees and shrubs in commercial and residential landscapes and plantscapes; nurseries; tree farms, and forests.

### ACTIVE INGREDIENT:

Acephate (O,S-Dimethyl acetylphosphoramidothioate) . . . . .	97.4%
Other Ingredients . . . . .	2.6%
Total	100.0%

EPA Reg. No. 74779-5

EPA Est. No. 33967-NJ-1

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See Additional  
Precautionary Statements, First Aid, and  
Directions for Use inside booklet

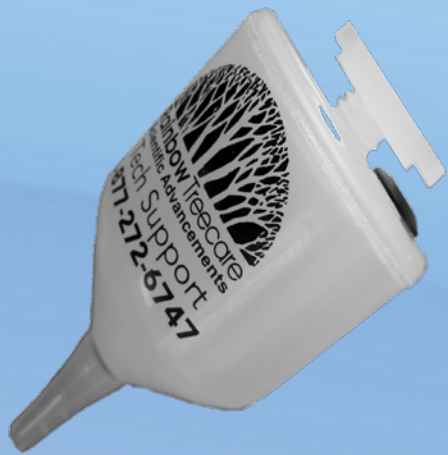


## SOIL DRENCHING FOR ROOT UPTAKE



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# Micro- Infusion/Injection



Mauget – Abacide 2 (abamectin) or Inject-A-Cide B (bidrin)



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# Burlap Banding



**Must remove caterpillars twice a day (morning & evening) to be effective**



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# TANGLEFOOT BANDS



- Not as effective as Burlap because caterpillars will crawl over dead stuck caterpillar
- Also messy on tree trunks for a long time



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# FINDING A PDA LICENSED APPLICATOR

- Check the Yellow Pages for Landscapers that spray trees
- Ask if they have a large sprayer to hit tops of trees or if they inject trees.
- Start contacting a sprayer this fall to schedule for early May
- Make sure they have a PDA Pesticide Applicators License (Category 6)
- Check the BU – Number on the truck
- Contact Department of Agriculture or Penn State Extension for more information



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## More Information:

Contact Penn State Extension 570-825-1701

or email [LuzerneExt@psu.edu](mailto:LuzerneExt@psu.edu)

<http://Extension.psu.edu>



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