

Gypsy Moth Pheromone Traps

Permanent Multi-Pher Traps

Introduction

Gypsy Moth (*Lymantria dispar* L.) larvae defoliate many hardwood trees.

The purpose of this survey is to take a yearly snapshot of the population across the province.

These traps are emptied on a daily basis.

IPM Contact/Project Leader

Jacqui Gordon (902) 758-7014

Equipment

IPM will provide the following equipment to the PDO at the Annual PDO Meeting:

1. unassembled pheromone traps
2. petri dishes
3. MSDS for pheromones and Vaportape

IPM will send following supplies to the PDO one week before the traps are due to be placed (according to the current year's PDO Calendar):

1. pheromones
2. Vaportape
3. data sheets
4. list of sample locations

PDO will supply:

1. pencils
2. clipboard
3. mapbook and grid or GPS unit
4. Personal Protection Equipment - latex gloves, safety boots, hard hat, hunter orange clothing

Hazards or Risks of Special Concern

1. Falling objects in a stand.
2. During hunting season, being in a game habitat.
3. Hazardous material in traps (vaportape).

Collection Period

Mid-July to mid-September.

See the current year's Pest Detection Officer Calendar for specific trap placement and collection dates.

Site Selection and Trap Placement

Traps are the plastic reusable Multi-Pher 2 type. The assembly instructions for this trap are included on your CD of handouts from the PDO meeting.

Use the grid points supplied to find the trap location. This should be an accessible location where you or a trained DNR staff person can empty the trap on a daily basis.

Choose a hardwood stand with a high oak or aspen content.

If you change the location, send the new grid points to the project leader.

Place the trap 1.8m (6 feet) from the ground and 45cm (18 inches) from the bole of the tree, in an area where it is not openly visible.

Collecting the Data and Completing the Field Sheet

Empty the trap daily and record the results on the Gypsy Moth Daily Observation Form. If you are confident of the identification, count the moths, record the catch, and dispose of the moths in the regular trash.

If you are unsure of the moth identification, place each daily catch in a separate petri dish. Label the dish with the date caught, location, and "GM Daily". Send the catch to the Insectary for processing. Store the trap catches in the freezer until they are sent.

At the end of the trapping season, send the completed form and the trap to the Insectary.

Shipping the Samples

If you are confident in your identification, you do not need to send the samples to the Insectary.

To ship the samples for identification and processing, pack the labelled petri dishes into a box and ship to:

NS Department Natural Resources
Integrated Pest Management
PO Box 130
Shubenacadie, NS
B0N 2H0 Attn: Jacqui Gordon

