

Gypsy Moth Pheromone Traps

Delta Traps

Introduction

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

The purpose of this survey is to monitor gypsy moth populations in towns outside of the regulated area. 10 traps are placed in each town.

IPM Contact/Project Leader

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Equipment

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

1. unassembled pheromone traps
2. MSDS for pheromones

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. data sheets
3. list of sample locations

PDO will supply:

1. pencils
2. permanent markers
3. clipboard
4. mapbook and grid or GPS unit
5. wire for hanging traps
6. 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. Delta traps contain Tanglefoot, a very sticky substance. Although not hazardous, it is very messy difficult to remove. Care should be taken when assembling traps
4. When traps are placed in a town, traffic and streetside hazards.

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 cardboard Delta type. The assembly instructions for this trap are included on your CD of handouts from the PDO meeting. It is easier to assemble the traps before heading out. Number the traps on the bottom using a permanent marker.

Specific grid points are not supplied. Place the traps throughout the designated town in locations that would be used by visitors. Examples would be: museums, parks, banks, liquor stores, and picnic areas. Try to cover the town as evenly as possible.

Hang the trap in a hardwood tree. Oak, aspen, or apple is best but any hardwood will do.

Place the trap 1.8m (6 feet) from the ground and 45cm (18 inches) from the bole of the tree. Since you will be hanging the trap in a potentially high traffic area, it is important to hang it out of sight.

Collecting the Data and Completing the Field Sheet

Record the trap locations and grid points on the "Gypsy Moth Delta Trap, Data Sheet" form. Note the tree species and address so that you can find the trap again.

Pick up the traps according to the PDO Calendar (mid-September). Please do not fold or crush the traps. You do not need to count the moths in these traps. Just send the numbered trap and locations form to the Insectary.

Shipping the Samples

It may be easier to arrange to drop off the traps after you have collected them.

**GYPSY MOTH DELTA TRAP
Data Sheet**

PDO: _____

County: _____

Date Placed: _____

Date Collected: _____

Town: _____

Trap No.	Location Description and UTM Grid Number	Trap Missing (✓)	No. Moths
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Place traps: Week of 9 to 13 July

Trap Placement:

Place the traps throughout the designated town in locations that would be used by visitors, e.g.: museums, parks, banks, liquor stores, and picnic areas. Try to cover the town as evenly as possible.

Hang the trap in a hardwood tree. Oak, aspen, or apple is best but any hardwood will do.

Place the trap 1.8m (6 feet) from the ground and 45cm (18 inches) from the bole of the tree. Since you will be hanging the trap in a potentially high traffic area, it is important to hang it out of sight.

Collect Traps: Week of 10 to 14 September

Return this sheet with the traps after mid-September to the Insectary.