MAINE FOREST SERVICE
SPRUCE BUDWORM
PHEROMONE TRAP
RETRIEVAL INSTRUCTIONS

For Maine Forest Service Personnel and Cooperators using the Multi-Pher II and a 3-trap cluster

(budworm tracker volunteers, see www.budwormtracker.ca)
Trap Retrieval -- Timing

- Collect the traps after mid-August
  - ensures sample of any late-migrations from colder regions.
- The traps can be left out until early October
  - Hemlock looper moths will be sampled
  - May allow for concurrent collection of L2 samples.
    - Note: Please follow CFRU instructions for collection of L2 samples.
    - Due to a delay between collection and processing, L2 should not be collected during warm periods unless they can be brought to cool storage within the same day.
Trap Retrieval -- Timing

Attempt to make moth collections on a dry day so that the sample will not rot before it is checked. If this is not practical, put a paper towel in with the sample.

Less than ideal weather conditions for collecting moth samples.

Damp sample packaged with paper towel to absorb moisture.
Mark Site

- Collect and record accurate GPS coordinates from location of first trap (WGS 84 or NAD 83) if not already done.
- Refresh any flagging needed to easily re-locate site/trees next year for those sites that are likely to be re-surveyed (not slated for harvest, still suitable).
  - Flag at road
  - Flag path to trees
  - Flag trees
Dispose of compromised samples

*Discard samples from significantly damaged traps* (those on the ground, with soaked samples, etc). Note on bag and datasheet how many traps were collected, and condition of traps not collected (missing, damaged, on ground, etc).
Combine Samples from Site

• Empty **entire contents** of remaining traps into provided sealable plastic bag, or similar container.
  • Combine samples from all intact traps in one bag.
  • Please do not remove insects from the sample.
Please Keep all Insects in Sample

Spruce budworm appearance can be variable. Samples in which moths have been removed are unusable. “By-catch” is used to monitor other species.
Record Appropriate Data

- Record pickup information on bag label and datasheet
- Record data on datasheet or mobile device

Sample Bag Label.
Additional information requested with sample (see datasheet below).

Sample Datasheet

Bag labels and datasheet provided earlier in the year. Additional available by request or for download (Scan code at left for MFS Spruce Budworm Page).
Properly Dispose of Pesticide Strips

http://www.herconenviron.com/insecticidal-strips.php

HERCON®
VAPORTAPE™ II
INSECTICIDAL STRIPS
FOR USE AS TOXICANT IN INSECT TRAPS

ACTIVE INGREDIENTS:
2, 4-Dichlorophenoxyacetic acid ingredient. ........................................... 1.00%
Related compounds ................................................................. 9.70%
OTHER INGREDIENTS .............................................................. 0.00%
TOTAL ....................................................... 10.70%

CONTENTS: 50 strips (1" x 4") or 60 strips (1" x 5") or 100 strips
(1" x 10")
MINIMUM NET WEIGHT: 0.21 oz (6.34 g) / 10 x 4" strips or 1.12 oz (32.07 g)
/ 10 x 5" strips or 2.62 oz (73.75 g) / 100 x 1" or 3.10 strips

KEEP OUT OF REACH OF CHILDREN

CAUTION
READ DIRECTIONS AND PRECAUTIONARY STATEMENTS BEFORE USE

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION: Harmful if swallowed. After prolonged storage, a small amount of liquid
may develop that inhibits effectiveness. Dilute with water to
mixture that inhibits

STORAGE AND DISPOSAL
Storage: Store in a cool dry place.
Pesticide Disposal: Do not reuse empty pouch or strip. Wrap strip in
paper and discard in trash.
Container Disposal: Do not reuse empty pouch or strip. Discard in trash.

WARRANTY AND LIMITATION OF DAMAGES
HERCON Environmental warrants that this product conforms to the chemical description
on the label and is reasonably fit for the purposes stated on the label when used in
accordance with the Directions for Use under normal conditions of use to the extent
allowed by state law. HERCON neither makes nor authorizes any agent or
representative to make any other warranty of fitness or of merchantability, guarantee
or representation, expressed or implied concerning this material except as stated above.
This warranty does not extend to the use of this product contrary to the label
instructions or under abnormal use conditions, or the cost of removing, the
warranty is not legally enforceable in HERCON Environmental. If this product is defective,
Buyer’s exclusive remedy shall be the replacement of the product, or, at HERCON’s
discretion, refund of the purchase price. To the extent allowable by law,
HERCON’s maximum liability in respect of this warranty shall not exceed the purchase
price of this product. In no case will HERCON be liable for incidental, consequential,
special, or punitive damages resulting from handling, storage, use, misuse, or abuse of this
product.

“Wrap strip in paper and discard in trash.”
Store Samples Until Shipment

Store samples in a cool place until they are turned in.
Turn in Samples for Processing

Send, deliver or arrange for pick up of samples/extra supplies*:

Allison Kanoti
allison.m.kanoti@maine.gov
(207) 827-1813
Maine Forest Service
PO Box 415 (87 Airport Road)
Old Town, ME 04468

NOTE: If mailing samples, please put in a crush-proof package. Machine cancellation will destroy poorly-packed moths and prevent accurate counts!

*Contact us before turning in moth samples if you prefer to return your traps for cleaning.
Clean and Inventory Supplies

Clean*/count traps and parts and store for winter. Report needs for additional supplies (A survey will also be sent out next spring)

* Do not use the same area/tools used for meal clean-up. (We use plastic totes — one for warm water soap or bleach wash, one for rinsing — and dedicated wash-rags)
Thank You!
Questions?

Contact Allison Kanoti
allison.m.kanoti@maine.gov or
(207) 827-1813

Additional instructions linked to the MFS website …


…and

www.sprucebudwormmaine.org.