

Insects:

How to find them, collect them
and not get arrested for
putting them in the mail.

OSU Oregon State University

Oregon State University Insect ID Clinic

Extension Entomology
Oregon State University

OSU Insect ID Clinic

The OSU Extension service provided insect identification services for the citizens and commercial industries of Oregon.

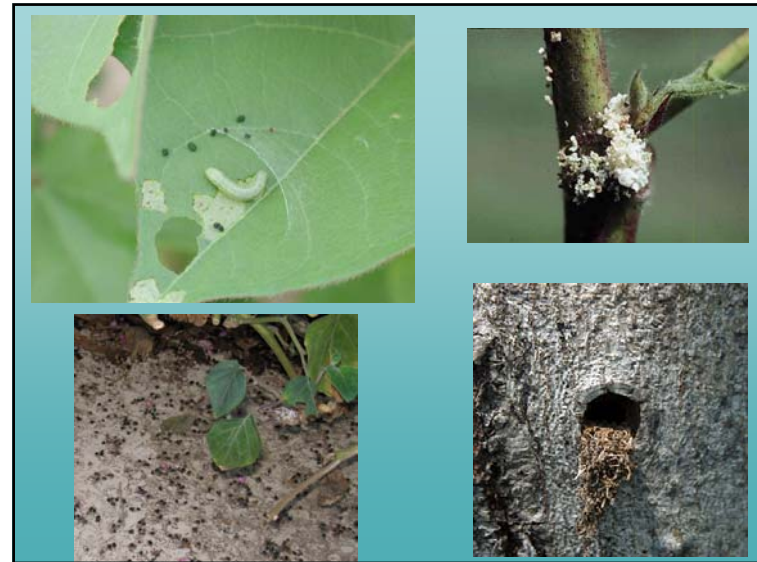
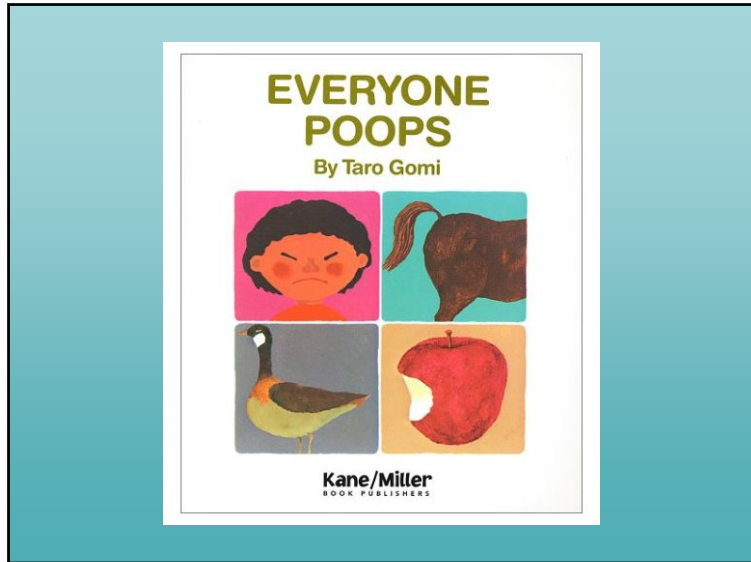
If you have an insect, spider or tick that you would like identified we suggest that you first try to contact your [County Extension](#) office or local [Master Gardeners](#). If they are unable to help you, you can submit samples to the Insect ID Clinic using the forms found under the link Insect ID Services to the right

- [Home](#)
- [Insects ID Services](#)
- [Honey Bee Diagnostics](#)
- Common Submissions
- [Commercial](#) (coming soon)
- [Home & Garden](#) (coming soon)
- [Personnel](#)
- [Botany and Plant Pathology](#)
- [OSU Plant Clinic](#)

Done

Finding them...

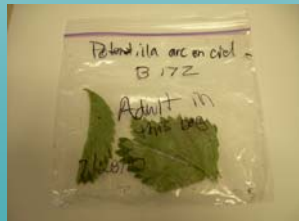




Collecting

Leaves and Foliage

- If leaves with feeding damage can be dried
- If leaves with pests on it ship fresh



Packaging

The Options

- Dry
- Wet
 - Damp
 - Submerged
 - Ethyl Alcohol
 - Isopropyl Alcohol



Dry

- **Foliage:** flat between cardboard.
- **Dead insects:** pack them in slightly to prevent damage in shipping.
- **Live insects:** with a piece of dry paper towel to prevent drowning



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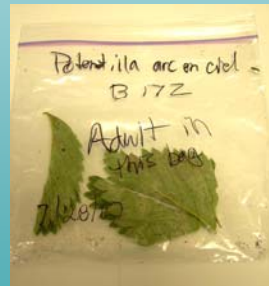
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Damp

- Fresh foliage with insects on it:
 - in a ziplock bag, shipped in a **BOX!!**
 - Best Method for Aphids, Mites, Galls, and small caterpillars & larvae
- Moths and Butterflies
 - in a ziplock bag with an alcohol saturated towel shipped in a **BOX!!**



Damp

- Insects in a non-crushable container with a saturated piece of paper towel
 - Best method for most hard bodied insects.
 - Beetles, flies, wasps, spiders.....



Saturated

Placing a the specimen in a container with alcohol liquid preservative. (Isopropyl or Ethyl alcohol)

Best method for small, fleshy, or decaying specimens.

If you believe that the specimen is of research value (new, exotic, rare...) please use this method.



Shipping

Postal Laws

- Content markings such as "Perishable" must be applied to any package containing items or substances that can degrade or decompose rapidly ...
.. hazardous articles must be marked and labeled under applicable standards. A container improperly identified by content is not acceptable for mailing

"INSECT SPECIMENS"

Hazardous Materials

Harmful matter likely to harm USPS employees or to **destroy, deface, or otherwise damage mail** or postal equipment. This includes materials such as caustic poisons (acids and alkalis), oxidizers, or highly flammable liquids, gases, or solids.....

Flammable Liquids

- Flammable liquid is prohibited in international mail.
- Flammable liquid with a **flashpoint of 20°F (-7°C) or below is prohibited** in domestic mail. Other flammable liquid is **prohibited in domestic mail via air** transportation but is permitted via surface transportation

• 10.13.3 Combustible Liquid Mailability

- Combustible liquid is prohibited in international mail. Combustible liquid is permitted in domestic mail if the material.... meet(s) the following conditions :
- a. For surface transportation, if the **flashpoint is 100°F (38°C) but no more than 141°F (60.5°C)**; the liquid is in a metal primary receptacle not exceeding 1 gallon, or in another type of primary receptacle **not exceeding 1 quart**, per mailpiece;

The Options

- Isopropyl Alcohol [70%]
 - Flash point: 18° C
- **Isopropyl Alcohol [12%]** 1 part 70% Isopropyl to 5 parts Water
 - **Flash point: 38° C**
- Ethyl Alcohol [95%]
 - Flash point: 15° C
- **Ethyl Alcohol [25%]** 1 part 95% Ethanol to 3 parts Water
 - **Flash point: 38° C**
- Nail Polish Remover
 - **STRICTLY PROHIBITED**

.....enough **cushioning ... to absorb all potential leakage**; the cushioning and primary receptacle are **placed within a securely sealed secondary container** that is placed within a **strong outer shipping container**; and each mail piece is plainly and durably marked on the address side with "**Surface Only**" or "Surface Mail Only"

The Exception



Research Specimen



INSECT IDENTIFICATION SUBMISSION FORM

OSU
Oregon State University

OSU Insect Identification/Plant Clinic
Botany and Plant Pathology
1089 Cordley Hall
Corvallis, Oregon 97331-2003
Phone: 541-737-4501
Fax: 541-737-2412

Other Use: _____
Date received: _____
Sample # _____
DDE# _____

Commercial _____ Non _____

**** Please Note: The Clinic reserves the right to retain specimens submitted.****

Client Name _____ Agent Name _____
Address _____ Address _____
Phone _____ Phone _____
Email _____ County _____

Date collected _____ Collection location _____
Reply to: Client _____ Agent _____ via Phone _____ Mail _____ Fax _____

Crop/Garden
 _____ yard/landscape _____ field crop _____ golf course/sod farm
 _____ lawn _____ greenhouse _____ Christmas/tree plantation
 _____ vegetable garden _____ orchard _____ nursery (____ container ____ field)
 _____ other _____

Additional Information: Host plant + variety _____
 Part of plant affected _____ Field size/plant numbers _____
 Field rotated from _____ Pattern of damage _____
 Other comments _____

Medical/Veterinary
 Host/patient _____ Age _____ Location on host _____
 Symptoms _____
 Association with other animals (specify) _____
 Recent travel or Known geographic location of first contact _____
 Patient Identifier _____

Home
 Where in home _____
 Type of product affected (if in wood, be as specific as possible) _____
 Kind of damage (include shape and size of exit holes, frass etc.) _____
 Pets: _____
 Other: _____

Diagnosis and Information
 Determination (Order, Family, Genus, species) _____
 Common name (if any) _____
 Comments: _____
 Extension Specialist _____ date _____ Acc. # _____

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