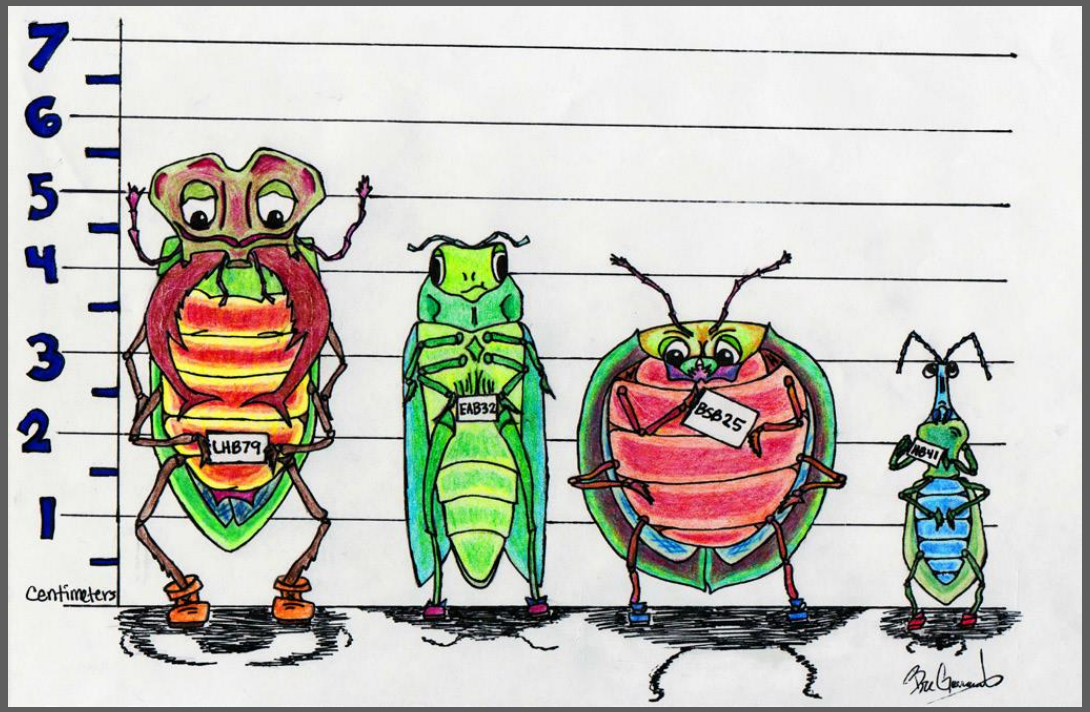
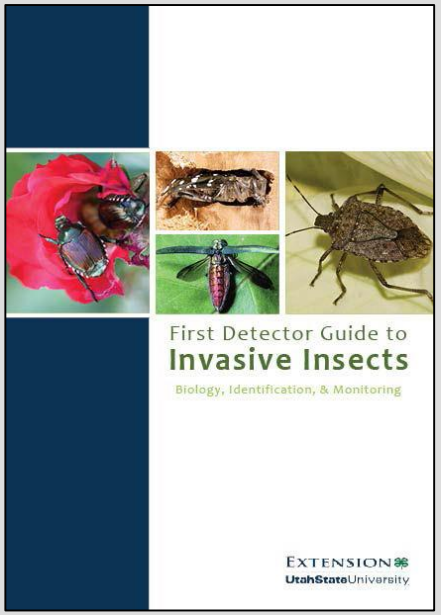
First Detector Training



Lori Spears
Invasive Species Survey Coordinator
Utah State University

First Detector Swag Bags

- First Detector Guide to Invasive Insects
- Invasive Fruit Pest Guide for Utah
- Blue folder, pen
  - Agenda
  - Rack cards and brochures
- Qualtrics survey – will be emailed to you



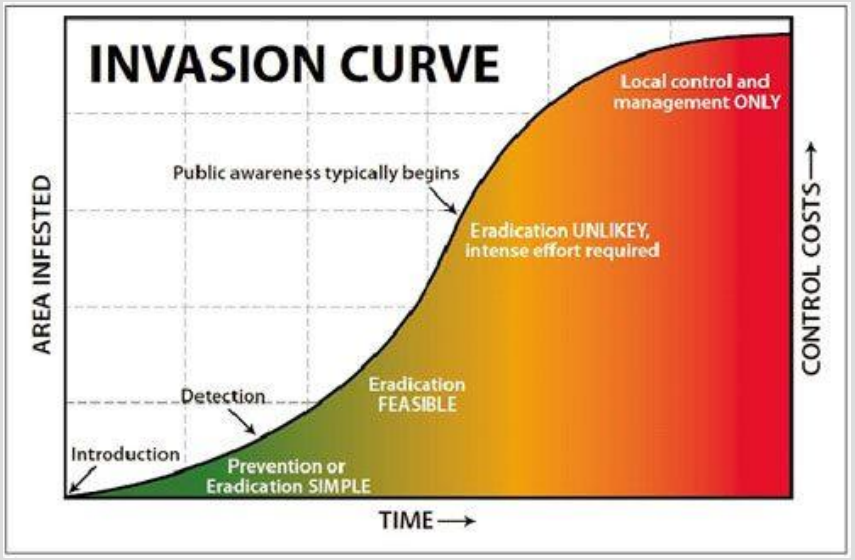
Agenda

- 8:30 am - 12:00 pm: First detector training
- 12:00 pm - 1:00 pm: Lunch (Copper Grill)
- 1:00 pm – 2:00 pm: Beneficial arthropods
- 2:00 pm – 4:00 pm: Master Gardener field day

Utah's First Detector Program is a response to the need to address the growing threat of invasive species

Meaning of “Invasive”

- An organism that is not native to the local environment and is capable of harming the economy, environment or human health.
- The term “invasive” is reserved for the most aggressive and destructive non-native species.



Our goal is to create a group of well-trained, committed volunteer leaders

- Increase public awareness about the threats of invasive species to Utah's resources
- Collect samples or pictures, else pass on information for the UPPDL or UDAF to collect sample(s)
- Help coordinate local volunteer efforts, etc.

First Detector Responsibilities

- First Detectors never announce the arrival of a new pest.
- All information regarding potentially new, invasive pests must be treated as confidential.

Contact Us

utahpests.usu.edu

ROLES & RESPONSIBILITIES

In order to become a First Detector, individuals must have a working email address and phone number, attend a First Detector training workshop, and fill out and sign a First Detector Confidentiality Form (to be handed out during the workshop). In addition, First Detectors must agree to the following terms:

- *First Detectors never announce the arrival of a new pest.* All information regarding potentially new, invasive pests must be treated as confidential. First Detectors should immediately notify the UPPDL regarding suspected symptoms or collection of life stages. The UPPDL will then communicate that information to the appropriate agencies. This protocol is required to avoid premature and incorrect reports, as significant unintended consequences may result from hasty, inaccurate communications.
- *First Detectors do not have the authority to enter private property without permission.* If you do receive permission to enter private property, it is recommended that the property owner accompany you.
- *Being a First Detector is voluntary.* First Detectors will not be financially compensated or reimbursed for time and/or travel. However, Continuing Education Units (CEUs) may be available for pesticide applicators and certified arborists. Master Gardeners may also be able to use volunteer time as a First Detector toward Master Gardener service hours.

SUBMITTING SAMPLES

The UPPDL is a service of USU Extension and the Department of Biology at USU. The UPPDL is staffed with highly skilled and experienced professionals that provide rapid and accurate identification of pest-related problems. First Detectors can submit suspect samples (digital images and/or physical samples) directly to the UPPDL. If possible, send digital images to the USU CAPS Coordinator (caps@usu.edu) for screening prior to submitting physical samples to the UPPDL.

Submitting Digital Images

Send high-resolution images as an email attachment to one of the labs listed on the next page. Images should be **in focus** and well-lighted, contain a ruler or other object for scale, and contain different parts/views of the insect and/or plant symptoms.

Submitting Physical Samples

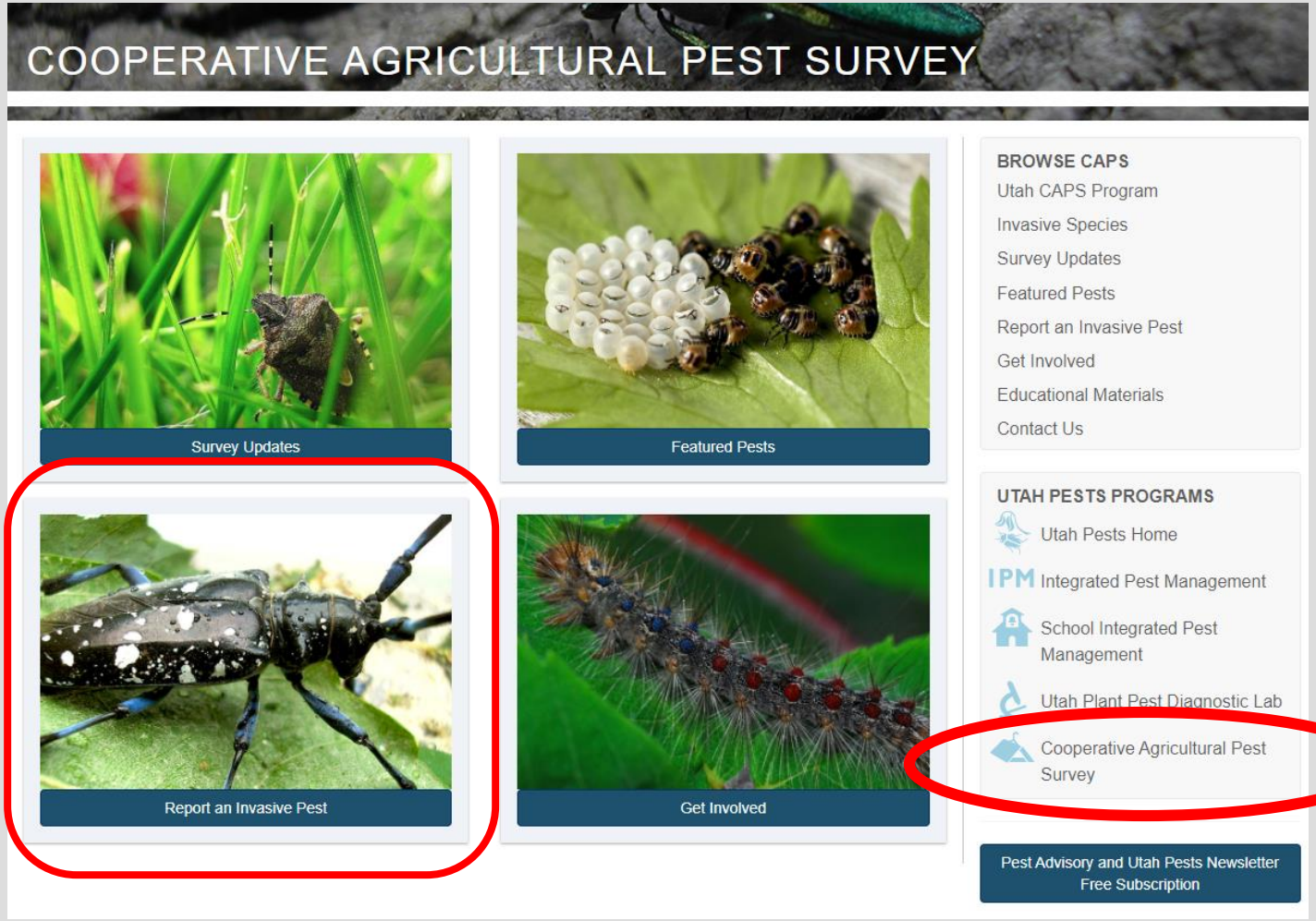
Live insects can escape from containers; therefore, it is very important that you kill (do not squish) the insect before submitting it to the UPPDL. Place the insect into a spill-proof jar or vial containing rubbing alcohol (hand sanitizer or white vinegar are suitable alternatives). You can also freeze the insect before placing it into a sealable crush-proof container. If submitting plant material, handle it as if it contains a live pest (i.e., secure plant material so that an emerging pest could not escape). Wrap plant material in paper bags or newspaper. Secure samples using packing material to avoid breakage/damage. Samples containing plant material should be overnighted.

Include with your submission, the date, collection location, email address, phone number, and physical address in case we have follow-up questions. Mail sample(s) to one of the labs listed below, and as soon as possible to prevent drying or deterioration of the insect or plant material.

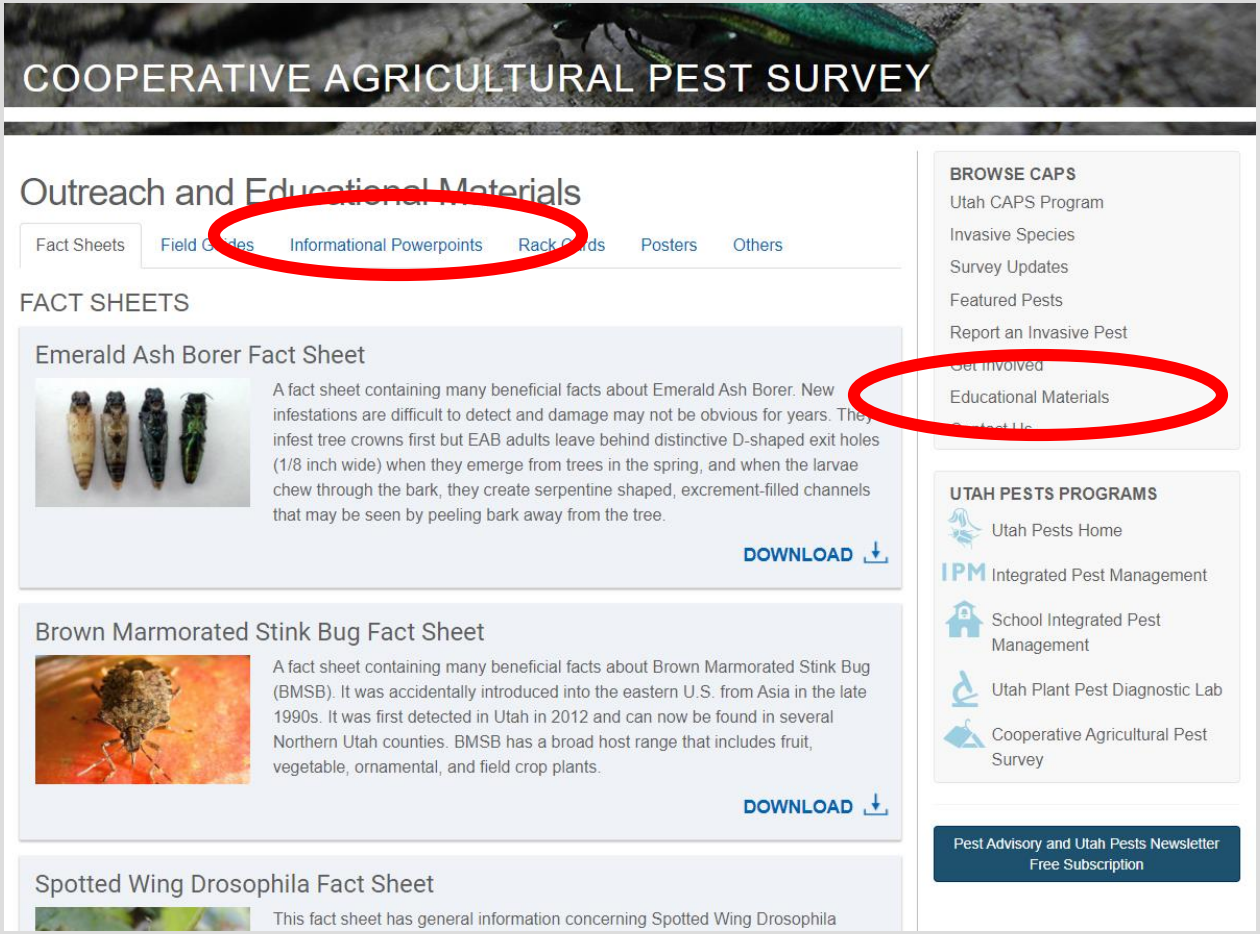
Utah Plant Pest Diagnostic Laboratory
Utah State University
5305 Old Main Hill
Logan, UT 84322
Phone: 435-797-2435
Email: caps@usu.edu
Website: http://utahpests.usu.edu/uppdl/

Utah Department of Agriculture and Food
Plant Industry and Conservation Division
350 N. Redwood Road
Salt Lake City, UT 84114
Phone: 801-538-7184
Email: agriculture@utah.gov
Website: http://ag.utah.gov/plants-pests.html

Utah Pests – CAPS Program has an online submission form that is specific for invasive pest reporting



Powerpoint slides shown today will be available on the Utah Pests CAPS site soon



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ANY
QUESTIONS
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