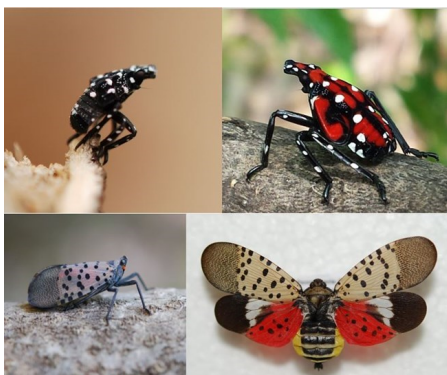




Invasive Pest Alert — Spotted Lanternfly

The Spotted lanternfly (*Lycorma delicatula*, Hemiptera: Fulgoridae), is an invasive planthopper, first detected in Pennsylvania in 2014 and has spread to several states on the East Coast. They are univoltine (producing one brood of off-spring per year), hemimetabolous (having no pupal stage between larva to adult stages), and move by hopping and jumping. They preferentially feed on the Tree of heaven and the Varnish tree, also on grapes, tree fruit, roses and other landscape plants.

Spotted lanternfly is considered a significant agricultural and nuisance pest threat to California due to the potential of direct plant feeding. Check firewood, packages and other objects for mud-like egg masses. Please alert us to any potential sightings.



Honey Bee Protection Program Updates



County apiary inspections have resumed for commercial and hobbyist beekeepers, following COVID-19 safety protocols. All managed apiaries must be registered to help ensure the safety of nearby residents, and for honeybee disease monitoring.

There is also a large population of unmanaged honeybees in the county. Honeybees swarm at this time of year, with groups of bees leaving their existing hive to find a place to establish a new colony. Swarms are common and in most circumstances not dangerous; the bees are often resting on a tree or structure temporarily and will move on within a few days when left undisturbed. We have been working with the California Master Beekeepers Program (CAMBP) to develop recommendations for removal of unmanaged hives for when the bees do establish a new hive in a structure or unsafe location.

Residents can direct questions about bees to the Bee Hotline:

1800-200-BEES (2337)

Lab Updates

The new San Marcos Office (SMO) Lab is now staffed on Tuesdays, Wednesdays and Thursdays each week. Sample dropboxes for AWM's regulatory programs have been modified to aid the transfer of samples between the County Operations Center (COC) and SMO Lab locations. The Lab primarily processes regulatory samples collected from agricultural sites by County agricultural inspectors and Insect Detection Specialists. These include incoming and outgoing shipments, nursery certification programs, apiary compliance program, and pest detection programs for a number of high-risk insects. We also process non-regulatory entomology samples from growers and pest control advisors.

Sightings of potential invasive species should also be submitted to the Lab as a virtual submission (email to Labs.AWM@sdcounty.ca.gov) or, with prior arrangement, drop off at one of our external dropbox locations. For all other homeowner and non-regulatory samples, the Lab works with University of California Cooperative Extension (UCCE) Farm Advisors and Master Gardeners to assist growers and homeowners with pest identification, advice and concerns.

Favorite Samples & Acknowledgements

A big thank you to AWM staff Roy Joseph, Alice Larphthaveesarp, and Siobhan Lozada for adapting to the new courier schedule, and to Rafael Orozco and Fallon Anderson for helping to streamline the dropbox protocols, which has helped to ensure samples are reviewed in a timely manner.

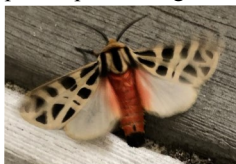
Below are some of our favorite samples to pass through the lab this quarter.



Polyphemus moth in the giant silk moth family (*Antheraea polyphemus*, Lepidoptera: Saturniidae). Wingspan ~15 cm.



Avocado lace bug (*Pseudocysta perseae*, Hemiptera: Tingidae)



Mexican tiger moth (*Apantesis proxima*, Lepidoptera: Erebidae). In a COC parking lot stairwell.

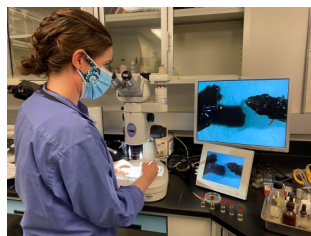


Pineapple mealybug (Hemiptera: Pseudococcidae)



Bumblebee robber/assassin fly (*Mallophora furtiva*, Diptera: Asilidae)

Recent Outreach Events



- BIOCOM Festival of Science and Engineering. Watch the video here: <https://youtu.be/AFhZJFrMfBI>
- 4H Ramona: hive health
- San Diego Beekeeping Society monthly meetings
- CAPCA board meeting
- Farm Bureau presentation

Contact the Lab

Labs.AWM@sdcounty.ca.gov
www.sandiegocounty.gov/awm/entomology.html
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