

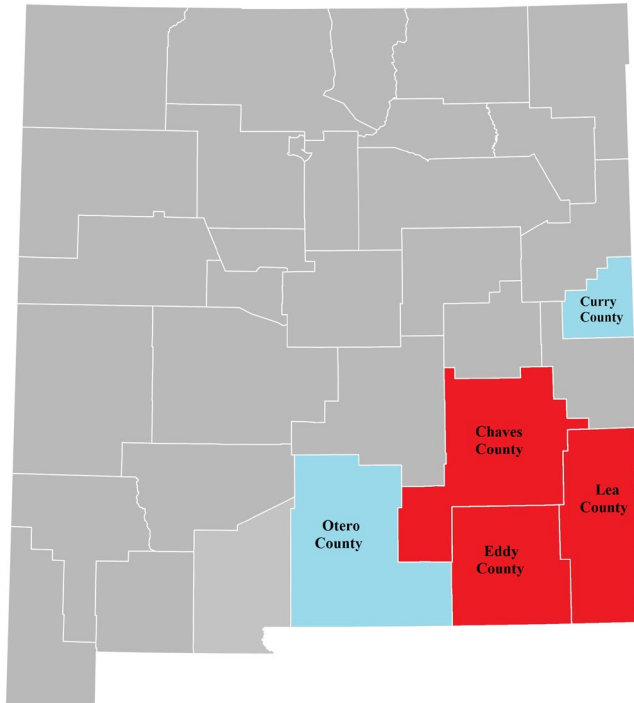
Hear no Weevil, See no Weevil

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Nut Pest Survey Program Update

- New personnel and temporary help
 - Increased harvest inspections
- No new pecan weevil detections were found during 2019 growing/harvest season
- Residential spray programs (SE New Mexico)
 - Zeta-cypermethrin product labeled for residential areas
 - Trunk trapping results showed decreased emergence



2018 harvest season:

Blue = positive detections, no quarantine

Red = quarantined county



New Mexico Quarantines

- Pecan Weevil Interior Quarantine: covers Eddy, Lea, and Chaves counties
- Pecan Weevil Exterior Quarantine: Quarantines all states/districts of the United States, with the exception of California; Arizona; El Paso, Hudspeth, and parts of Culberson counties in Texas
- Regulated articles
 - all pecan and hickory species/varieties of in-shell nuts
 - All items/machinery used in harvesting, hulling, dehydrating, shelling, transporting, and storing
- Regulated articles cannot be transported out of these areas without certificate of treatment
 - hot water immersion
 - cold storage treatment

If you are crossing state lines, don't forget your phytosanitary/origin certificate.



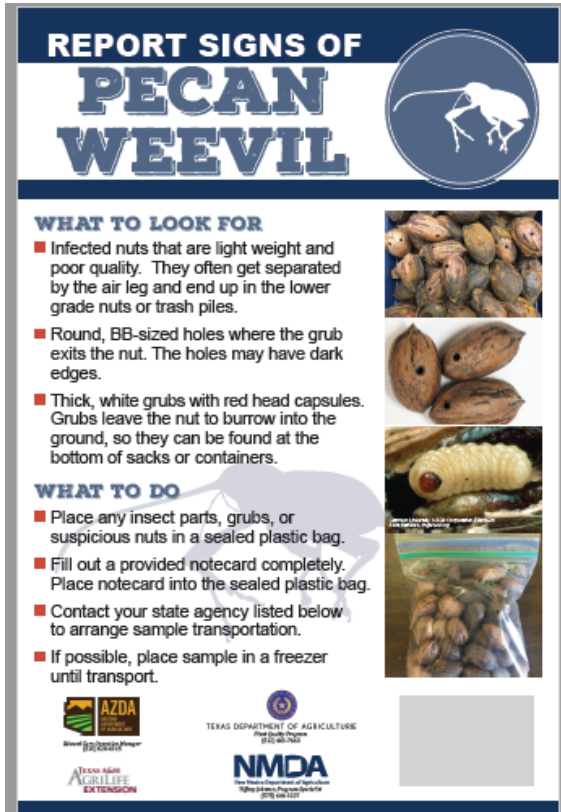
Pecan Buyers Licensure Rule




- Initiated November 1, 2018
- Requires all pecan buyers, brokers, and accumulators to be licensed.
- Required record keeping
- Purpose:
 1. Reduce pecan theft
 2. Helps with tracking of invasive pests (pecan weevil)
- Non-compliance: Fines up to \$250/day



NASDA Work







**REPORT SIGNS OF
PECAN
WEEVIL**



WHAT TO LOOK FOR

- Infected nuts that are light weight and poor quality. They often get separated by the air leg and end up in the lower grade nuts or trash piles.
- Round, BB-sized holes where the grub exits the nut. The holes may have dark edges.
- Thick, white grubs with red head capsules. Grubs leave the nut to burrow into the ground, so they can be found at the bottom of sacks or containers.



WHAT TO DO

- Place any insect parts, grubs, or suspicious nuts in a sealed plastic bag.
- Fill out a provided notecard completely. Place notecard into the sealed plastic bag.
- Contact your state agency listed below to arrange sample transportation.
- If possible, place sample in a freezer until transport.

AZDA
ARIZONA DEPARTMENT OF AGRICULTURE
AND FORESTRY

TEXAS DEPARTMENT OF AGRICULTURE
AND FORESTRY

NMDA
NEW MEXICO DEPARTMENT OF AGRICULTURE
AND FORESTRY

TEXAS A&M
AGRI LIFE
EXTENSION

- Increase surveys and inspections
 - Temporary inspectors
- Outreach materials
 - Cleaning/shelling plant or buying station posters
 - Commercial grower brochures
 - Residential pamphlets
- Distributed in Arizona, New Mexico, and West Texas
- Contact information for all three agencies



Future Collaborations

- Combine eradication efforts with West Texas and Arizona
 - Early reporting
- Expanding outreach activities
- Regional issue, not just a state issue



Thank You

- Western Pecan Growers Association
- National Association of State Departments of Agriculture (NASDA)
- State organizations
- Growers
 - State funding



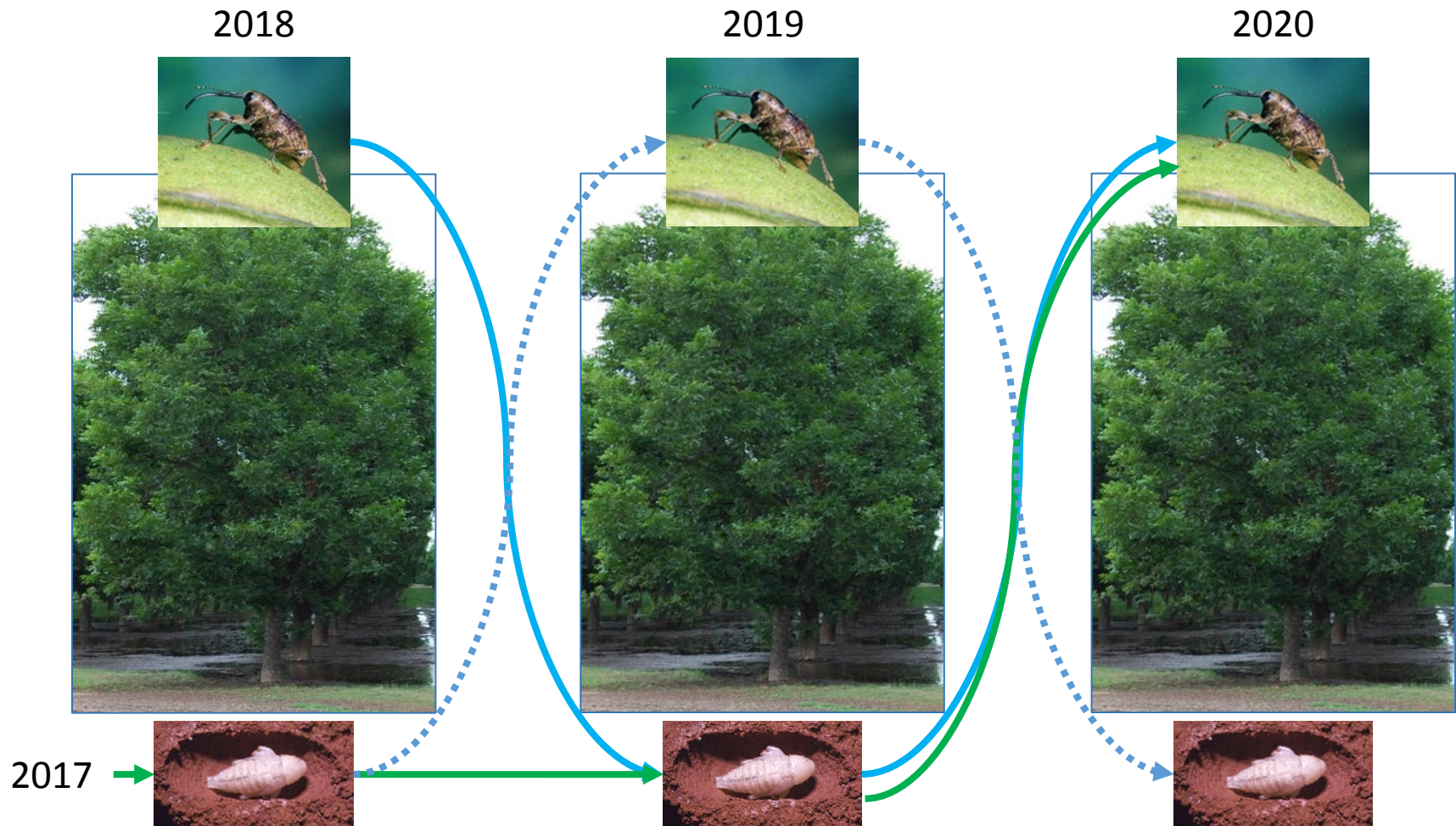
Pecan Weevil Population



****All insect pictures are from Bugwood.org (2016)**

Pecan Weevil Population

2. Reduced monsoon rainfall led to decreased emergence.



**All insect pictures are from Bugwood.org (2016)