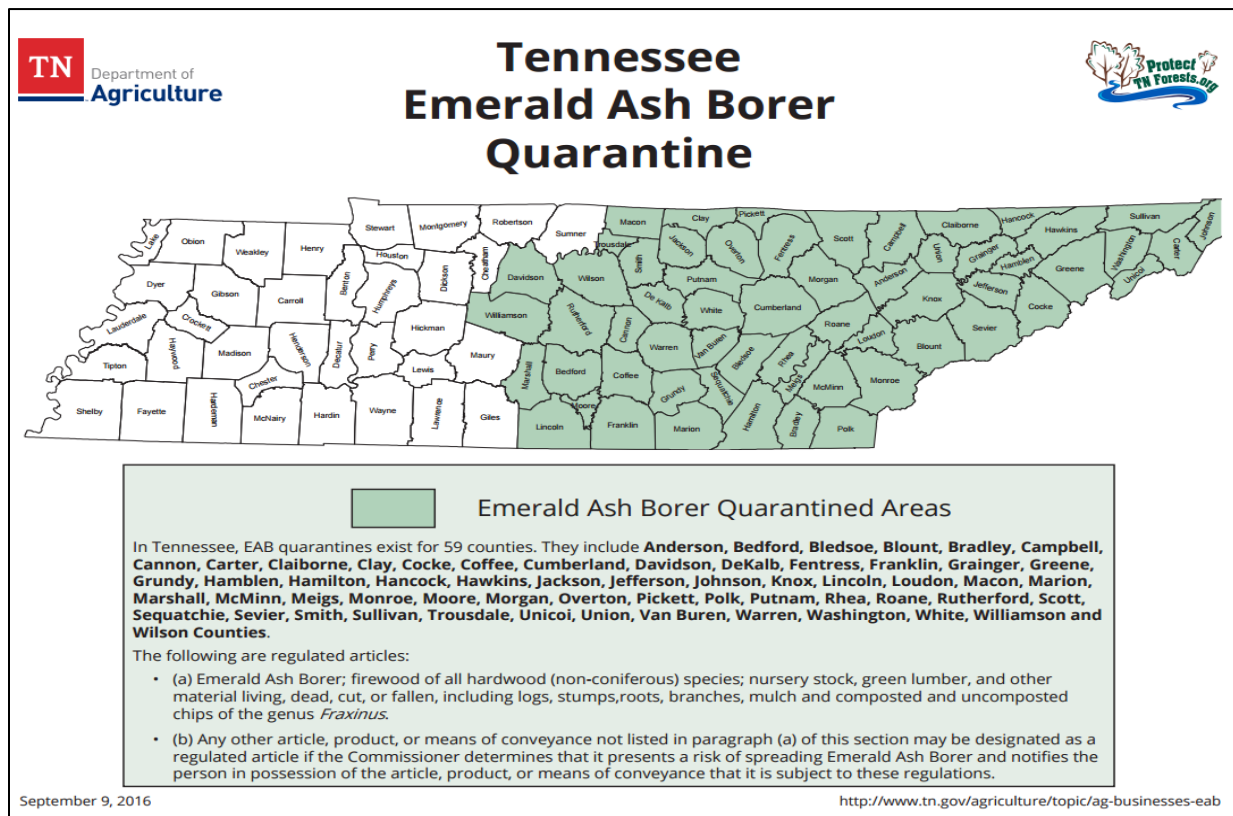


Tennessee Forest Health Highlights 2017

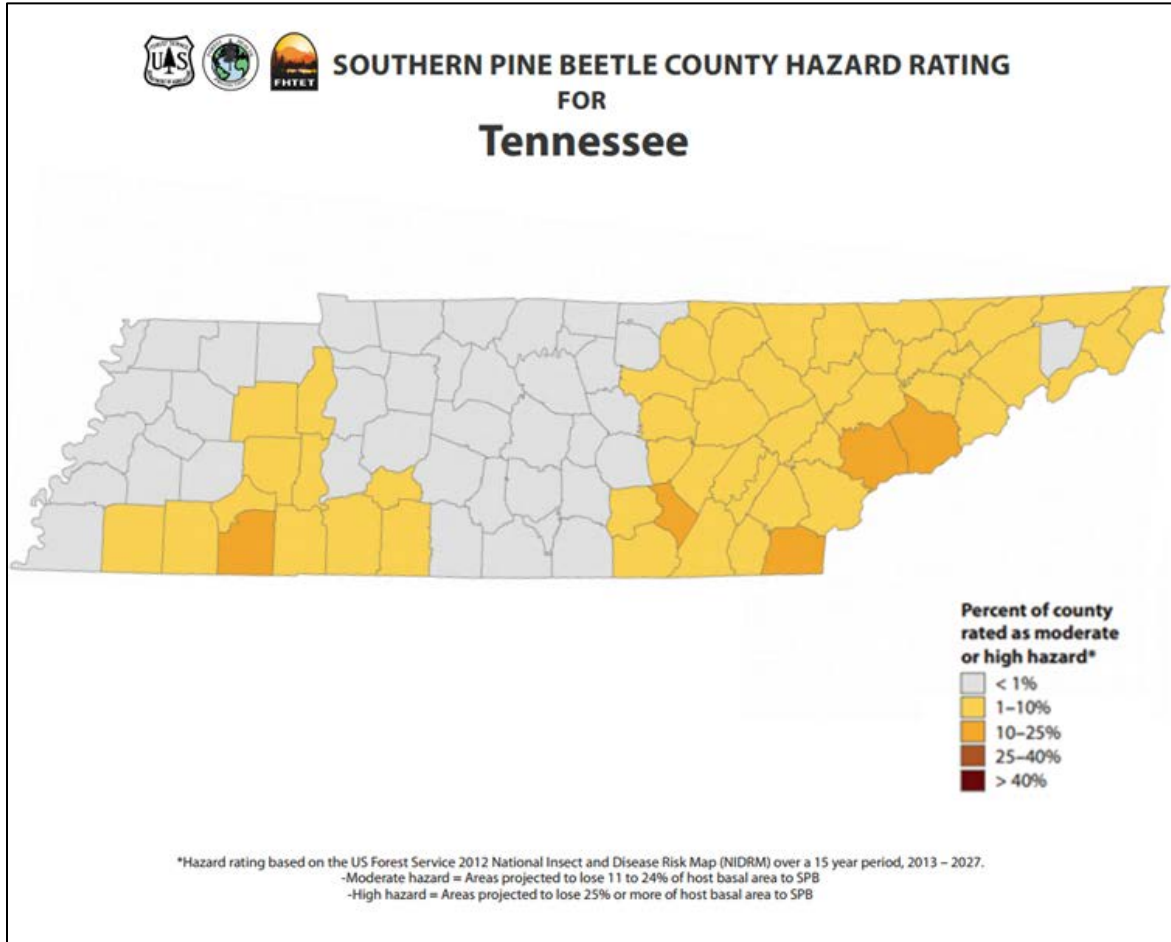
Emerald ash borer:

USDA-APHIS, Tennessee Department of Agriculture deployed an estimated 959 traps statewide this spring. No regulatory traps were deployed in quarantined counties. No new counties were placed under quarantine in 2017. TDF is actively looking for more appropriate release sites for EAB parasitoids.



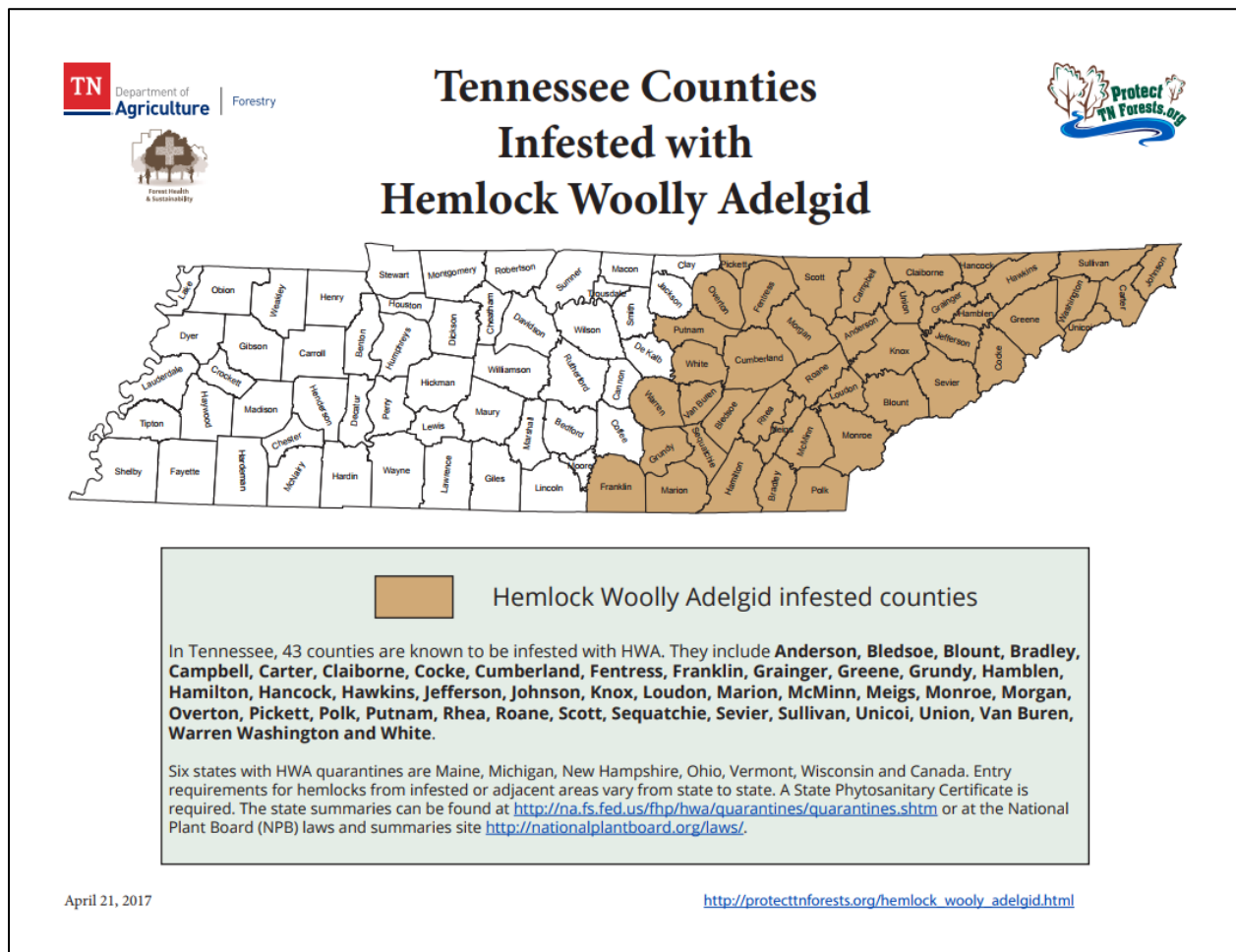
Southern pine beetle & other bark beetles:

Only 54 SPBs were detected in the 8 monitoring traps deployed by TDF personnel April 2017 in Chester, Wayne, Marion, and Rhea Counties. Catches occurred in Wayne and Marion counties. SPB populations were reported on the rise but no major outbreaks have been detected. Approximately 30 acres of impacted pine in 4 counties (Bradley, Meigs, Polk, and Rhea) were reported.



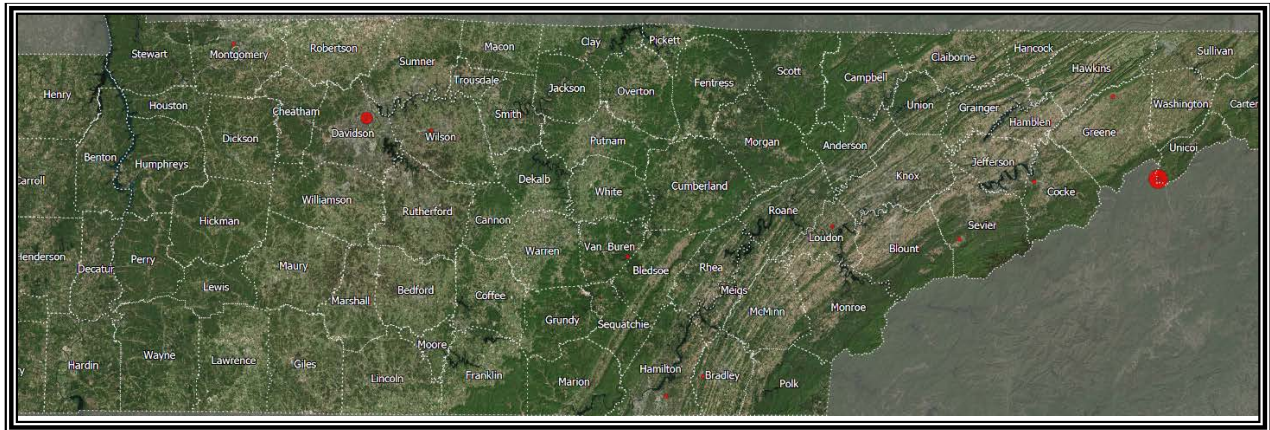
Hemlock woolly adelgid:

TDF was awarded a USFS grant to continue a hemlock woolly adelgid strike team. This team's goals are to chemically treat HWA on public lands, provide support to the HWA predator beetle program, and facilitate events sponsored by the Tennessee Hemlock Conservation Partnership. This grant was awarded in cooperation with the Kentucky Division of Forestry, Forest Health Unit to treat and manage HWA on a regional scale. In 2017 the team treated 582 acres on state property, installed one field insectary, and facilitated three private landowner HWA workshops. Three additional counties were confirmed as infested; White, Warren, and Overton.



2017 Gypsy Moth Catch by County:

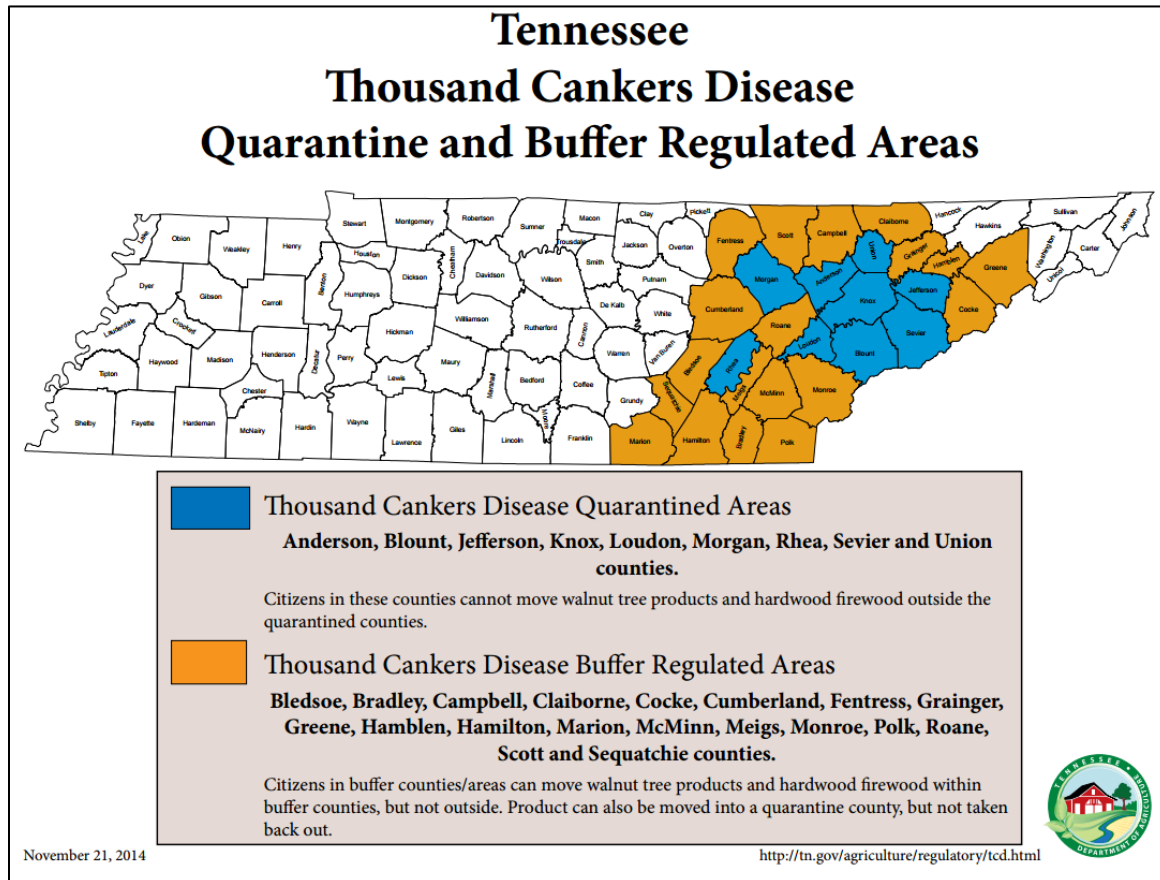
Approximately 47 adult Gypsy Moths were caught in 40 traps in 14 counties in 2017. TDA, USFS, and (Oak Ridge National Laboratory) ORNL installed 9,112 gypsy moth traps statewide this year. 47 gypsy moths were captured in 14 counties. This number is down from 2016 and there is no active infestations of gypsy moths in Tennessee. Each location where a moth was captured will be intensively trapped in 2018 to ensure no breeding populations are present.



Red circles indicate positive trap catches. Smallest circle = 1 moth in trap, medium circle = 2 moths, large circle = 3 moths. GIS map available online at [Link to Tennessee Gypsy Moth Trap Catch Map](#)

Thousand Cankers Disease:

As of this report 60 walnut twig beetle traps were placed in Tennessee. The greatest numbers of beetles were found in Sequatchie County at 158 beetles. Other positive counties caught less than 10 beetles per county; Cumberland, Knox, Marion, Monroe, and Roane. No new counties were added to the quarantine this year.



2017 Severe Weather Events:

Across the state, 34 reports of tornado damage and 643 reports of wind damage were reported by the National Weather Service. TDF personnel reported significant storm damage over 12 counties totaling 870 acres. Major flooding occurred along the Mississippi river in the spring of 2017.

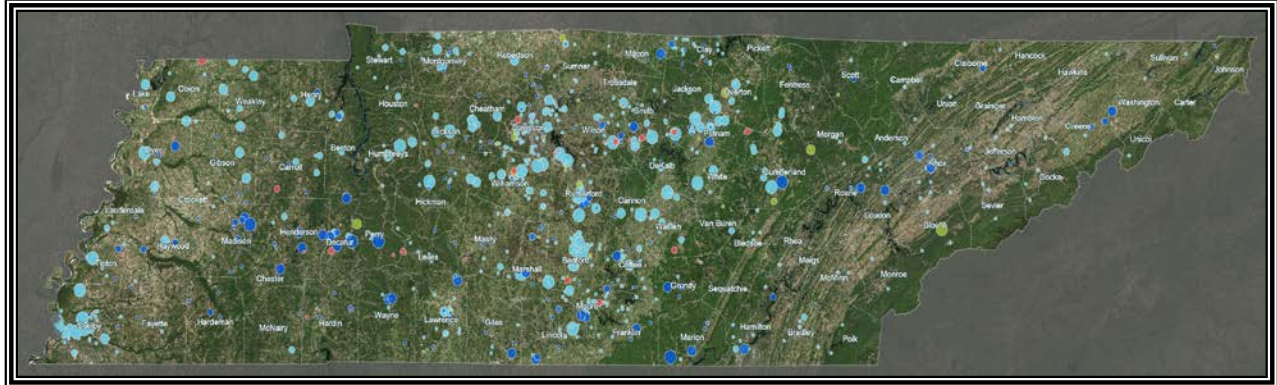


Figure Caption: Tornadoes (red circles), hail (dark blue), wind (light blue) and flooding (green). Data can be found out this link: [Link to Tennessee Severe Weather Events GIS Map.](#)

Following the extreme fire behavior of Fall 2016 and Winter 2017, Tennessee experienced a wet spring across much of the state. As of this report in 2017 Tennessee Division of Forestry has responded to 607 fires which have burned approximately 7,870 acres.

Other Forest Health Trends:

- Reports of potential Dicamba herbicide drift at Reelfoot Lake, TN prompted a regional survey in several counties; Lake, Obion, Dyer, Lauderdale, Haywood, Crockett, Gibson, and Madison. While moderate herbicide drift was reported in several locations, none were related to Dicamba.
- Variable oakleaf caterpillar and yellownecked caterpillar outbreaks occurred in several western counties including McNairy, Chester and Hardeman. Overall 500 acres of defoliation was mapped.
- Spring and summer rains lead to isolated flooding across the state however more heavily along the Mississippi alluvial plane and adjacent areas.
- Fall webworm defoliated a recorded 482 acres in Claiborne, Cocke, Hamilton, Hardin, Jefferson, Overton, Roane, Wayne, Van Buren, and White counties.

Outreach & Education:

- As of this year the Great Smoky Mountains National Park, Tennessee State Parks, Blue Ridge Parkway, and regional Army Corps of Engineers has banned firewood that has not been certified heat treated for pests, from entering their property. To support this program, TDF has held 3 firewood kiln workshops in cooperation with USDA, TDA C&I, and TNC to support the development of a private firewood industry kiln industry in Tennessee.

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