State, Private, and Tribal Forestry

FS-1238a

June 2024

FOREST HEALTH PROTECTION 2023 HIGHLIGHTS OF TREE MORTALITY AND DAMAGE FROM INSECTS AND DISEASES

473 million acres surveyed

OAK WILT

OAK

- One of the most devastating diseases of oak species in the Eastern United States
- Menominee Tribal Enterprises implements single-tree treatments to prevent underground spread of oak wilt disease in Wisconsin

SOUTHERN PINE BEETLE

SOUTHERN PINES

- 9,000 acres with SPB damage were reported, 5,000 of which were in New York State
- Increases in SPB outbreaks occurred throughout the Gulf Coast States

EMERALD ASH BORER

ASH

- Activity reported in 36 States, mostly in the eastern half of the country
- No new detections outside of Washington County, OR

6.3
MILLION ACRES
WITH DEAD TREES

4.2

MILLION ACRES

WITH

TREE DAMAGE

RAPID 'ŌHI'A DEATH

'ŌHI'A

- 19,000 acres with ROD damage were reported
- Areas with invasive hoofed animals are experiencing higher incidences of ROD

SUDDEN OAK DEATH

OAK AND TANOAK

- No new P. ramorum infestations were detected outside of the SOD quarantine area in Curry County, OR
- 617 acres with sudden oak death damage were reported

SPONGY MOTH HARDWOODS

- 1.3 million acres with spongy moth damage were reported
- Wisconsin reported 384,000 acres with defoliation, a State record and more than any other State in 2023

FIR ENGRAVER

WESTERN FIRS

- 3.4 million acres with mortality attributed to fir engraver
- Drought promotes fir engraver activity in the West and Northwest

ACTIVITIES SUPPORTED BY FOREST HEALTH PROTECTION

| OAK WILT | SOUTHERN PINE BEETLE | EMERALD ASH BORER | RAPID 'ŌHI'A DEATH | FIR ENGRAVER | SPONGY MOTH | SUDDEN OAK DEATH |
|---|--|---|--|---|--|---|
| Detection, suppression, and developing management options | Treating active infestations and thinning forests for prevention | Providing treatments, technical assistance, community response planning, and outreach | Detection survey, rapid response, sanitation, and resistance screening | Surveying, suppression, and developing new management options | Eradication, suppression, and Slow the Spread Program | Stream detection and treatments in targeted areas to slow the spread |

TREE MORTALITY AND DEFOLIATION SURVEY TRENDS 2014–2023



ALL TREE MORTALITY 6.3 MILLION ACRES IN 2023



FIR ENGRAVER
3.4 MILLION ACRES
IN 2023



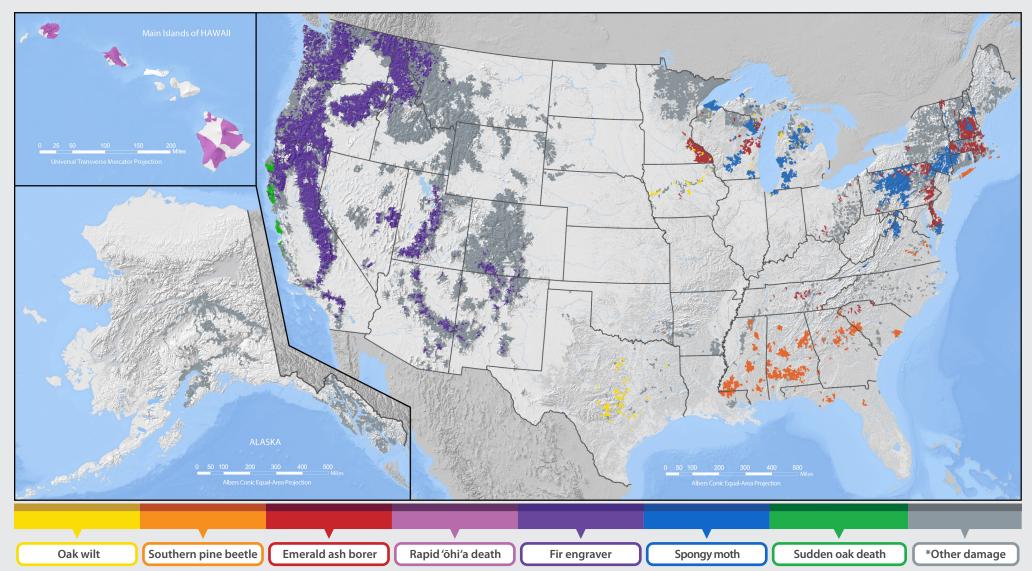
RAPID 'OHI'A DEATH 19,000 ACRES IN 2023



SPONGY MOTH 1.3 MILLION ACRES IN 2023



2023 INSECT AND **DISEASE SURVEY**WATERSHEDS WITH TREE DAMAGE



*Includes damage from spruce budworm, western spruce budworm, western blackheaded budworm, spruce beetle and other western bark beetles, eastern larch beetle, browntail moth, forest tent caterpillar, and many other less significant pests.