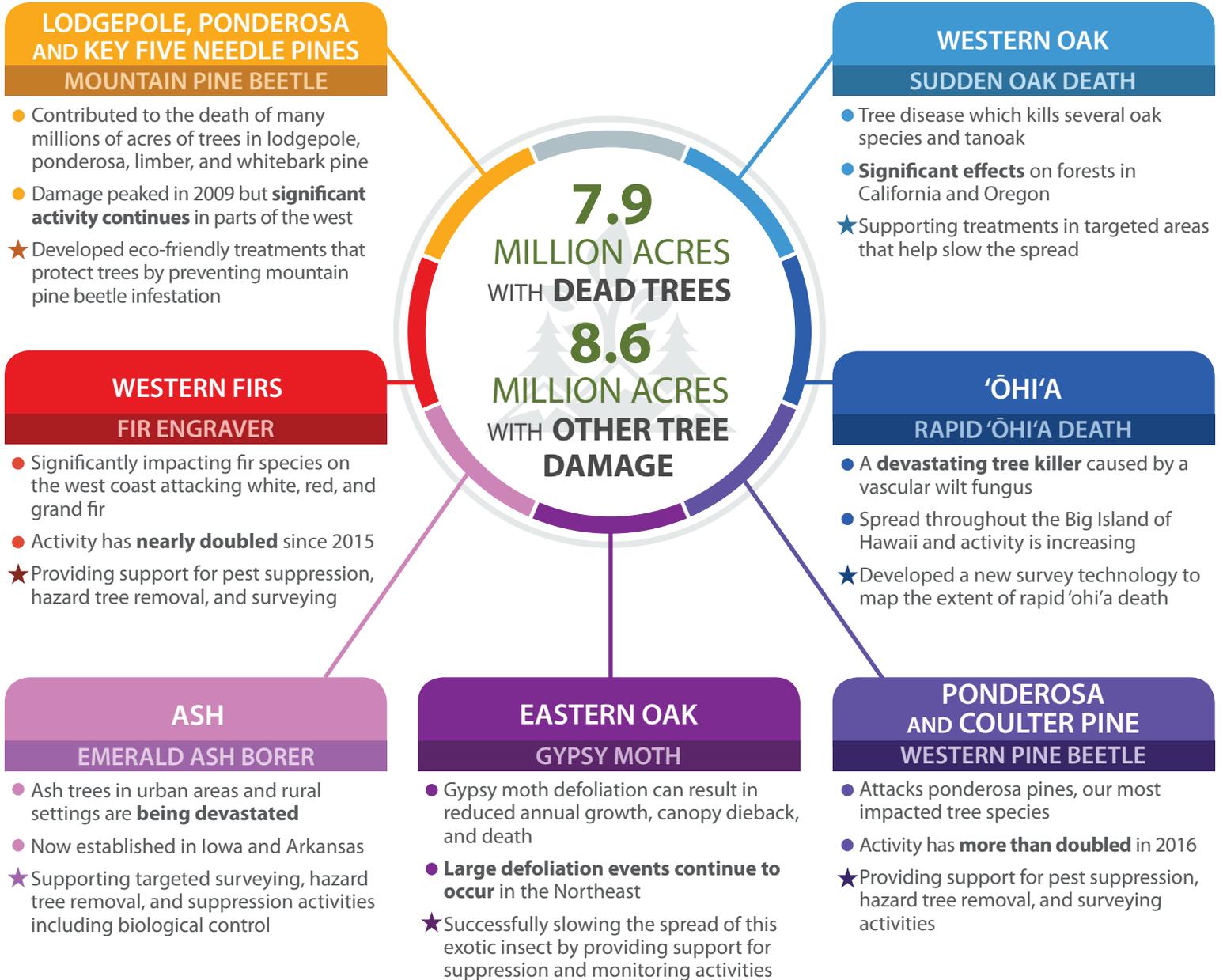
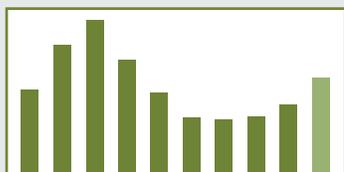


2016 HIGHLIGHTS OF TREE MORTALITY FROM INSECTS AND DISEASES

Approximately 500 million acres surveyed annually



TREE MORTALITY SURVEY TRENDS 2007-2016



ALL TREE MORTALITY
7.9 MILLION ACRES
IN 2016



MOUNTAIN PINE BEETLE
1.5 MILLION ACRES
IN 2016

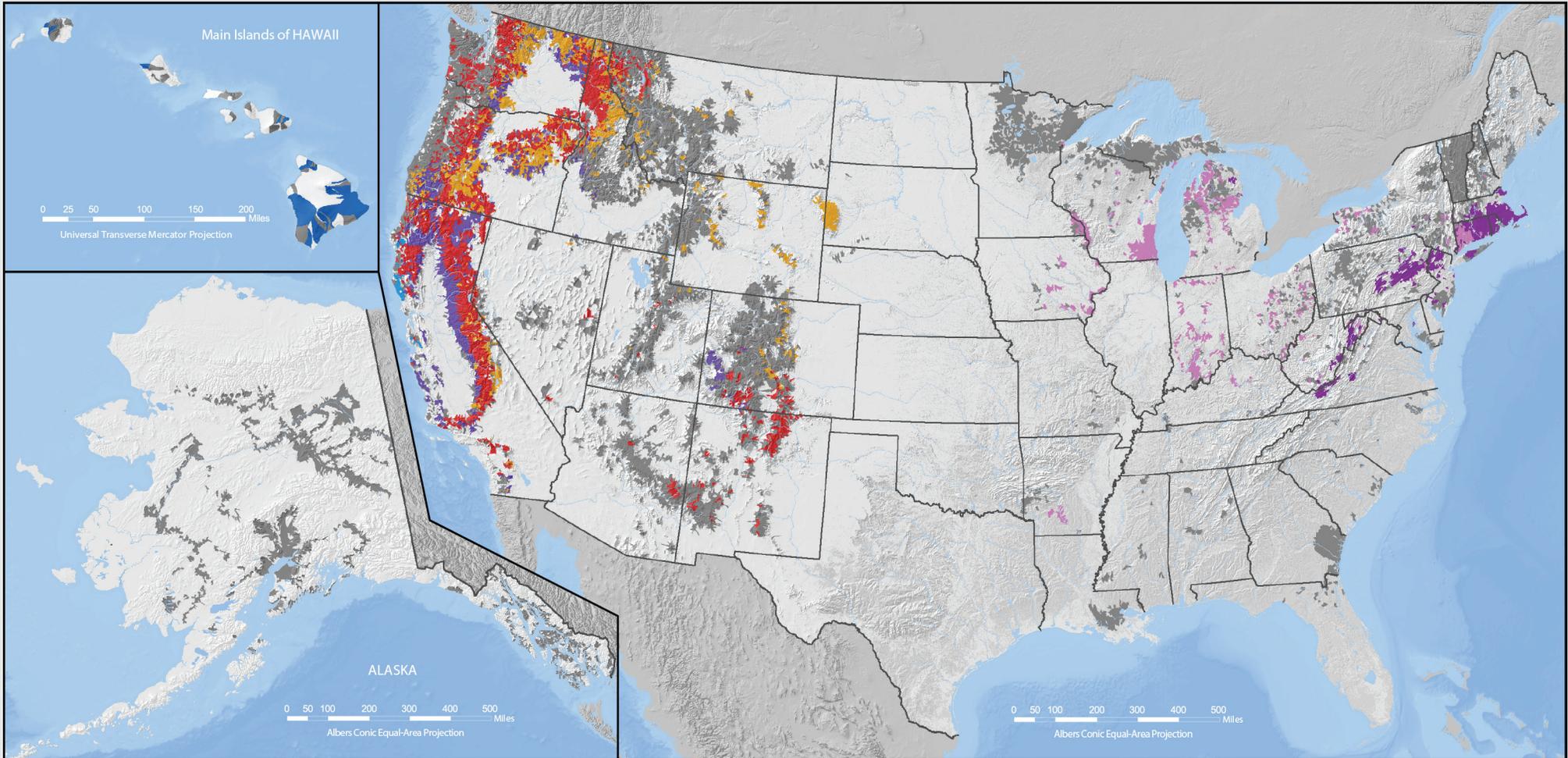


FIR ENGRAVER
2.9 MILLION ACRES
IN 2016



WESTERN PINE BEETLE
2.2 MILLION ACRES
IN 2016

2016 INSECT AND DISEASE SURVEY SUBWATERSHEDS WITH TREE DAMAGE



Mountain pine beetle

Fir engraver

Emerald ash borer

Gypsy moth

Western pine beetle

Rapid 'ohi'a death

Sudden oak death

Other damage

