2008
Insect and Disease Aerial Survey
Cibola National Forest
and Vicinity

1:275,000

0 5 10 15 Miles

Mortality

Areas with more than one agent are shown with multiple colors.

- Bark beetles in ponderosa pine
- Fir engraver beetle
- Aspen decline
- Western balsam bark beetle
- Douglas-fir beetle
- Piñon ips
- Cedar bark beetles
- 50 — Estimated number of fading dead trees
  For mortality agents only; values not shown for spots of 1 acre or less, which range from 1 - 15 trees; no number of trees estimated for areas of aspen decline.

Defoliation

Light Heavy

- Piñon needle scale
- Western spruce budworm
- Aspen defoliation
- Unknown agent

- Area not surveyed
- National Forest
- National Forest Wilderness
- National Park Service
- Tribal land
- Fire perimeter — Relevant 2005 - 2007 fires on the Gila NF that have insect activity / post-fire mortality
- Community location
- Major road
- County boundary

The insect and disease activity depicted here is based on aerial detection surveys and should only be used as a general indicator of incidence. This map represents the mortality and defoliation that has occurred since the previous surveys in 2007. Depending upon the timing of survey, the entire extent of some insect and disease activity may not have been detected. In addition, most diseases cause gradual declines in tree health that are not typically detectable during aerial surveys. Intensity of damage is variable, thus not all trees within a mapped area are affected. Caution should be used in interpreting these results due to the scale and subjective nature of aerial sketch mapping. Areas of particular concern should be ground checked for precise determination of location and causal agent.

Cibola National Forest and adjacent tribal lands surveyed 7/14/2008 - 8/5/2008 by Daniel Ryerson, Forest Health, Southwestern Region, US Forest Service.

Gila National Forest surveyed 8/12/2008 - 9/9/2008 by Daniel Ryerson and Bobbe Fitzgibbon, Forest Health, Southwestern Region, US Forest Service.

Map produced by
Forest Health Staff
New Mexico Zone
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UTM Zone 13, North American Datum 1983

CG/TDER