



Mortality		Defoliation	
	Bark beetles in ponderosa pine <small>Includes post-fire mortality of ponderosa pine from various causes</small>		Light Piñon defoliation
	Aspen decline		Heavy Piñon defoliation
	Piñon ips		Aspen defoliation
	Spruce beetle		Ponderosa defoliation
	Fir engraver beetle		Cottonwood defoliation
	Cedar bark beetles		
	Douglas-fir beetle		
	Western balsam bark beetle		
	Estimated number of fading dead trees <small>For mortality agents only; values not shown for species of 2 acres or less, which range from 1-10 trees; no number of trees estimated for areas of aspen decline</small>		
	Area not surveyed		Fire perimeter <small>Relevant 2007 - 2009 fires on the Gila NF that have post-fire mortality / insect activity</small>
	National Forest		Community location
	National Forest Wilderness		Major road
	Tribal land		County boundary

Aerial Detection Survey Data Disclaimer
 Forest Health Protection (FHP) and New Mexico State Forestry strive to maintain an accurate Aerial Detection Survey (ADS) dataset, but due to the conditions under which the data are collected, FHP and its partners shall not be held responsible for missing or inaccurate data. ADS are not intended to replace more specific information. An accuracy assessment has not been done for this dataset; however, ground checks are completed in accordance with local and national guidelines: <http://www.fs.fed.us/foresthealth/aviation/qualityassurance.shtml>. Maps and data may be updated without notice. Please cite "USDA Forest Service, Forest Health Protection and New Mexico State Forestry" as the source of this data in maps and publications.

This map represents the mortality and defoliation that has occurred since the previous surveys in 2009. 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 dead or defoliated. Caution should be used in interpreting these results due to the scale and subjective nature of aerial sketch mapping.

Cibola National Forest and adjacent tribal lands surveyed 7/6/2010 - 7/15/2010 by Crystal Tischler, Forest Health, New Mexico Zone Office, Southwestern Region

Gila National Forest surveyed 8/9/2010 - 8/13/2010 by Daniel Ryerson, New Mexico Zone Office and Ryan Hanavan, Arizona Zone Office, Forest Health Southwestern Region.

2010 Insect and Disease Aerial Survey Gila National Forest and Vicinity

1:250,000



Map produced by Forest Health Staff
 New Mexico Zone
 11/10/2010
 UTM Zone 13, North American Datum 1983