

# Thousand Cankers Disease

(*Pityophthorus juglandis* and *Geosmithia morbida*)

- Yellowing or wilting leaves
- Thinning crown
- Dark stains under bark
- Small beetle entrance holes in the bark
- Brown stains on main stem or on surface of bark



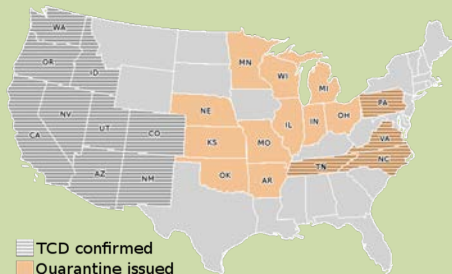
If you suspect Thousand Cankers Disease on walnut, or you think you have found a walnut twig beetle, contact Clemson University Department of Plant Industry at (864) 646-2140 or [invasives@clemson.edu](mailto:invasives@clemson.edu).



# Thousand Cankers Disease

(*Pityophthorus juglandis* and *Geosmithia morbida*)

Distribution of Thousand Cankers Disease as of February 7, 2013



Source: www.thousandcankers.com

Black walnut is especially susceptible to infestations of the walnut twig beetle, which forms galleries in the tissues of the tree.



A partnership to protect your natural resources.

This microscopic fungus infects the wood surrounding the beetle galleries, gradually starving the tree of essential nutrients.



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