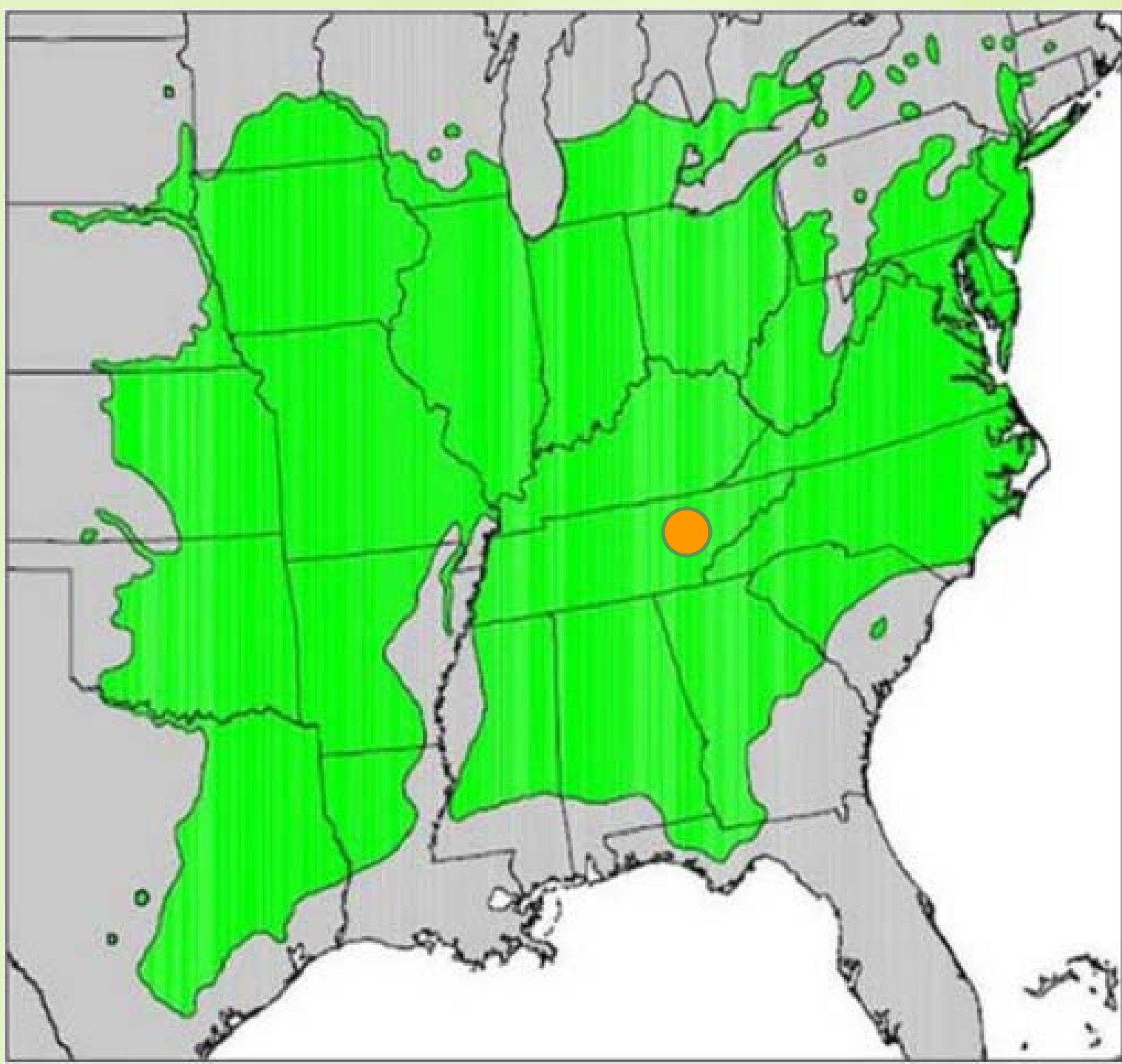


1000 Canker Disease - "it's here!"







Black Walnut - Fountain City, TN - August 2010





What do we do with this stuff?





Flagging



Profusion of
eppicormic shoots

Wilted, hanging foliage



Good source of beetles

Walnut Twig Beetle Galleries











"Ooze" on and under bark










Isolation

- Surface disinfection is optional
- Potato Dextrose Agar + antibiotics
- Sporulation on wood chips often in 3 days
- Sporulation in culture in 5-10 days
- Many cankers found that can't isolate *Geosmithia*



10 µm

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- Both beetles and *Geosmithia* have been found in Blount, Knox, and Sevier Counties
 - Beetles also found in Loudon and Union Counties
 - Counties with positive samples are quarantined

