Invasive Ambrosia Beetle Conference The Situation in California August 14, 2012

PUBLIC MEETING

Meeting sponsored by:
The Hofshi Foundation
University of California, Riverside
UC Center for Invasive Pest Research
The Huntington Botanical Gardens
The Los Angeles Arboretum

FUSARIUM DIEBACK: A NEW AND SERIOUS INSECTVECTORED DISEASE OF LANDSCAPE TREES

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FUSARIUM DIEBACK

- Initially, disease particularly devastating on avocado (*Persea* americana) and box elder (*Acer* negundo).
- SHB attacks many species of landscape trees and host list is growing! 250 spp.
- Fortunately, not all become infected with Fusarium.



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FUSARIUM DIEBACK

- Symbiotic relationship between SHB and fungus Fusarium sp.
- Both SHB and Fusarium are likely new species.
- SHB first detected in California in 2003.



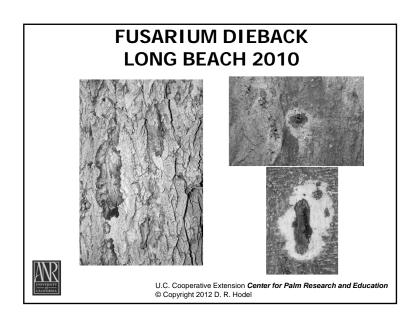
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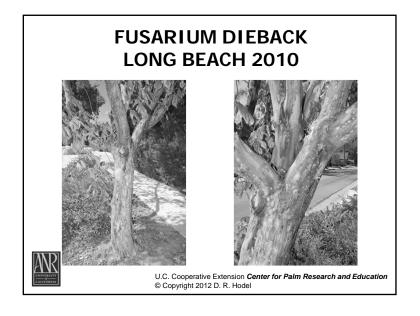
FUSARIUM DIEBACK—SYMPTOMS

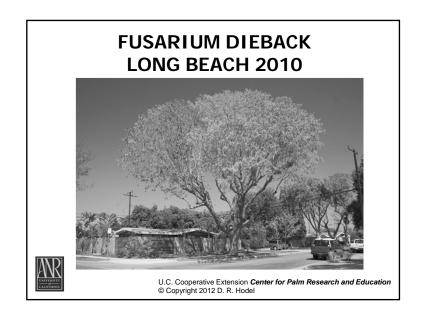
- Dark, dry or water-soak or oilylooking lesions around beetle entry/exit holes.
- Discolored wood.
- Discolored and/or chlorotic leaves.
- · Wilting.
- · Branch dieback.
- · Death.

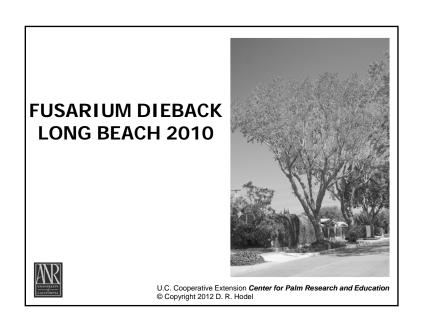


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FUSARIUM DIEBACK LONG BEACH 2010—ATTACKED BY TSHB

- Afrocarpus falcatus Liquidambar
- · Albizia julibrissin
- Cupaniopsis anacardioides
- · Geijera parviflora
- · Grevillea robusta
- · Koelreuteria elegans

- styraciflua
- · Magnolia grandiflora
- Platanus x hispanica
- Platanus racemosa
- · Robinia pseudoacacia
- · Ulmus parvifolia



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FUSARIUM DIEBACK MANAGEMENT

- Maintain trees in optimal health: appropriate species selection and management.
- Pesticides likely of little value?
- · Don't move infested wood.



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