



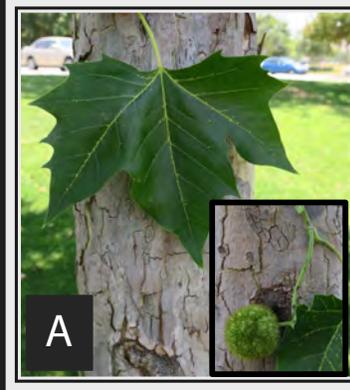
# Invasive Shot-Hole Borers + Fusarium Dieback Sycamore Assessment



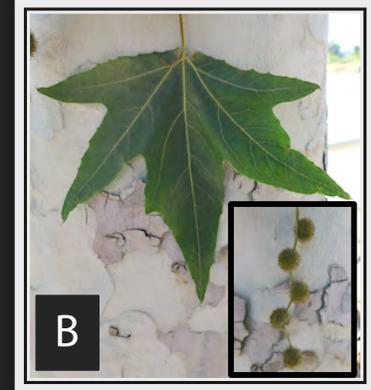
Various sycamore species (*Platanus* spp.) are severely impacted by the emergent Invasive Shot-Hole Borers – Fusarium Dieback pest-disease complex (ISHB-FD). These trees are widespread throughout urban and wildland forests in Southern California. With support by the Los Angeles Center for Urban Natural Resources and Sustainability, this form was developed to determine ISHB-FD damage on sycamore trees for comparable and systematic assessments.

- A American Sycamore**  
**Leaves:** Toothed, pointed margins, broader than long  
**Fruit:** In singles  
**Bark:** Dark, scaly older
- B CA Sycamore**  
**Leaves:** Finely serrated to smooth margins  
**Fruit:** In chains of 4-7  
**Bark:** White, tawny beige bark
- C London Plane**  
**Leaves:** Toothed, pointed margins, as long as wide  
**Fruits:** In pairs  
**Bark:** Flaky, blotchy older bark
- D Mexican Sycamore**  
**Leaves:** Toothed, pointed margins, underside “silvery” smooth  
**Fruits:** In chains of 3-5  
**Bark:** Gray white

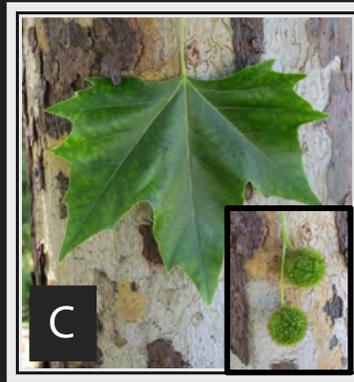
American Sycamore  
*P. occidentalis*



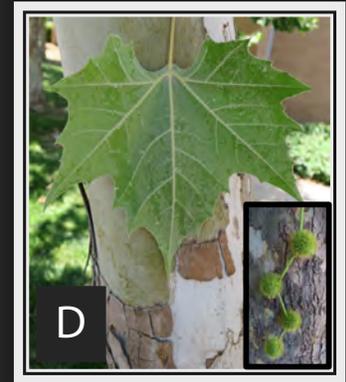
CA Sycamore  
*P. racemosa*



London Plane  
*P. x acerifolia*



Mexican Sycamore  
*P. mexicana*

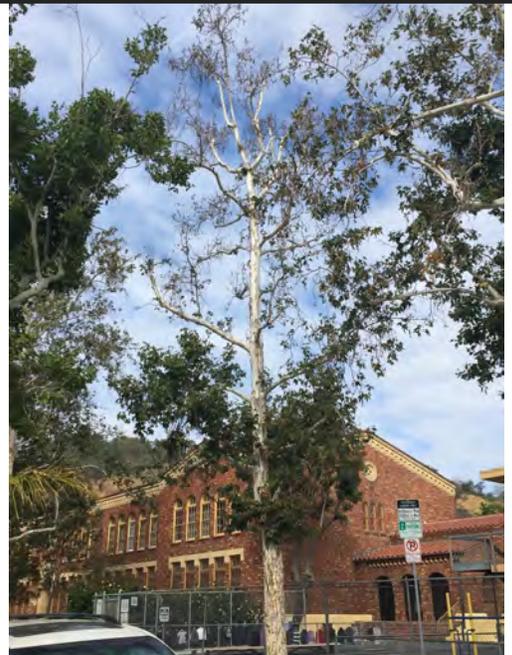


## Crown Condition:

1: 0-10% Dieback

2: 10-40% Dieback

3: >40% Dieback



Authors: S. Lynch<sup>1,2</sup>; A. Eskalen,<sup>2</sup>; J. Mayorquin,<sup>2</sup> G. Gilbert<sup>1</sup> (<sup>1</sup>UC Santa Cruz, <sup>2</sup>UC Riverside) All images by authors.

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# Invasive Shot-Hole Borers + Fusarium Dieback Sycamore Assessment



## Severity Rating Based on Number of Attacks

1: Low (<50)



2: Moderate (50-150)



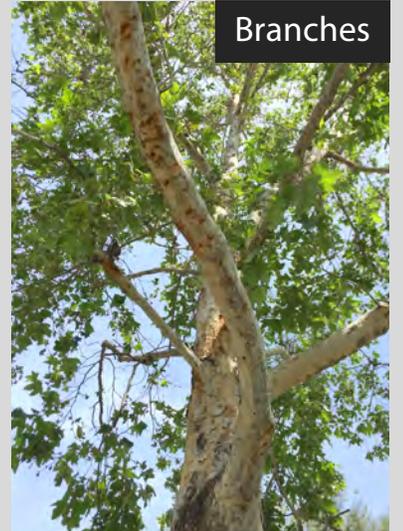
3: Heavy (>150) Without Dieback



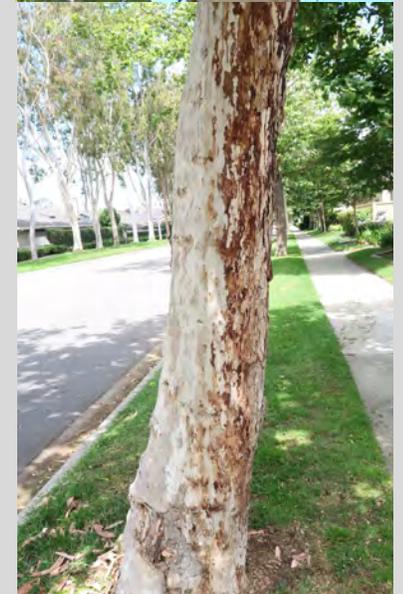
4: Severe (>150) With Dieback



Branches



Branch Collar



Inspect North Side of Tree

Authors: S. Lynch<sup>1,2</sup>; A. Eskalen,<sup>2</sup>; J. Mayorquin,<sup>2</sup> G. Gilbert<sup>1</sup> (<sup>1</sup>UC Santa Cruz, <sup>2</sup>UC Riverside) All images by authors.

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