

**Table 1—Invasive bark and woodboring beetles first detected in the western U.S. between 1984 and 2008¹
(Seybold and Downing, 2009)**

Species	Family	State where initially detected
<i>Heterobostrychus brunneus</i> (Murray)	Bostrichidae	California
<i>Sinoxylon ceratoniae</i> (L.)	Bostrichidae	California
<i>Agrilus coxalis</i> Waterhouse	Buprestidae	California
<i>Agrilus prionurus</i> Chevrolat	Buprestidae	Texas
<i>Phoracantha recurva</i> Newman	Cerambycidae	California
<i>Phoracantha semipunctata</i> (F.)	Cerambycidae	California
<i>Dendroctonus mexicanus</i> Hopkins	Scolytidae	Arizona
<i>Hylurgus ligniperda</i> F.	Scolytidae	California
<i>Orthotomicus erosus</i> (Wollaston)	Scolytidae	California
<i>Phloeosinus armatus</i> Reitter	Scolytidae	California
<i>Scolytus schevyrewi</i> Semenov	Scolytidae	Colorado
<i>Trypodendron domesticum</i> (L.)	Scolytidae	Washington
<i>Xyleborinus alni</i> (Niisima)	Scolytidae	Washington
<i>Xyleborus similis</i> Ferrari	Scolytidae	Texas

¹We consider Texas to be part of the continental western U.S.; these introductions were documented in Haack (2006), except for *P. semipunctata*, which was reported in Scriven et al. (1986); *D. mexicanus* (Moser et al. 2005); *H. ligniperda* (Liu et al. 2007); *A. coxalis* (Coleman and Seybold 2008a); and *T. domesticum* (R. Rabaglia, personal correspondence).

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Distribution of Commercial English (Persian) Walnut, *Juglans regia*, in California

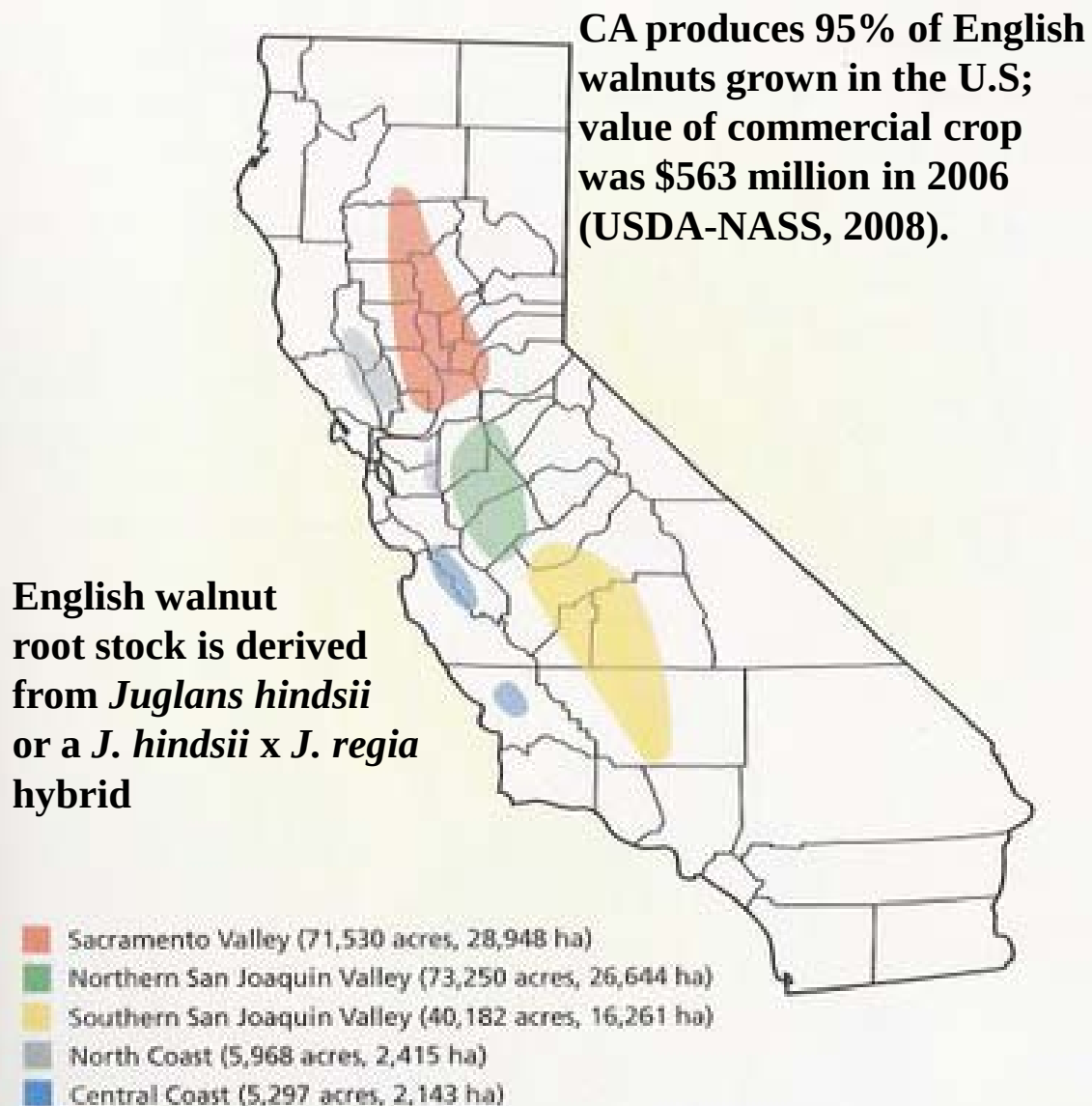
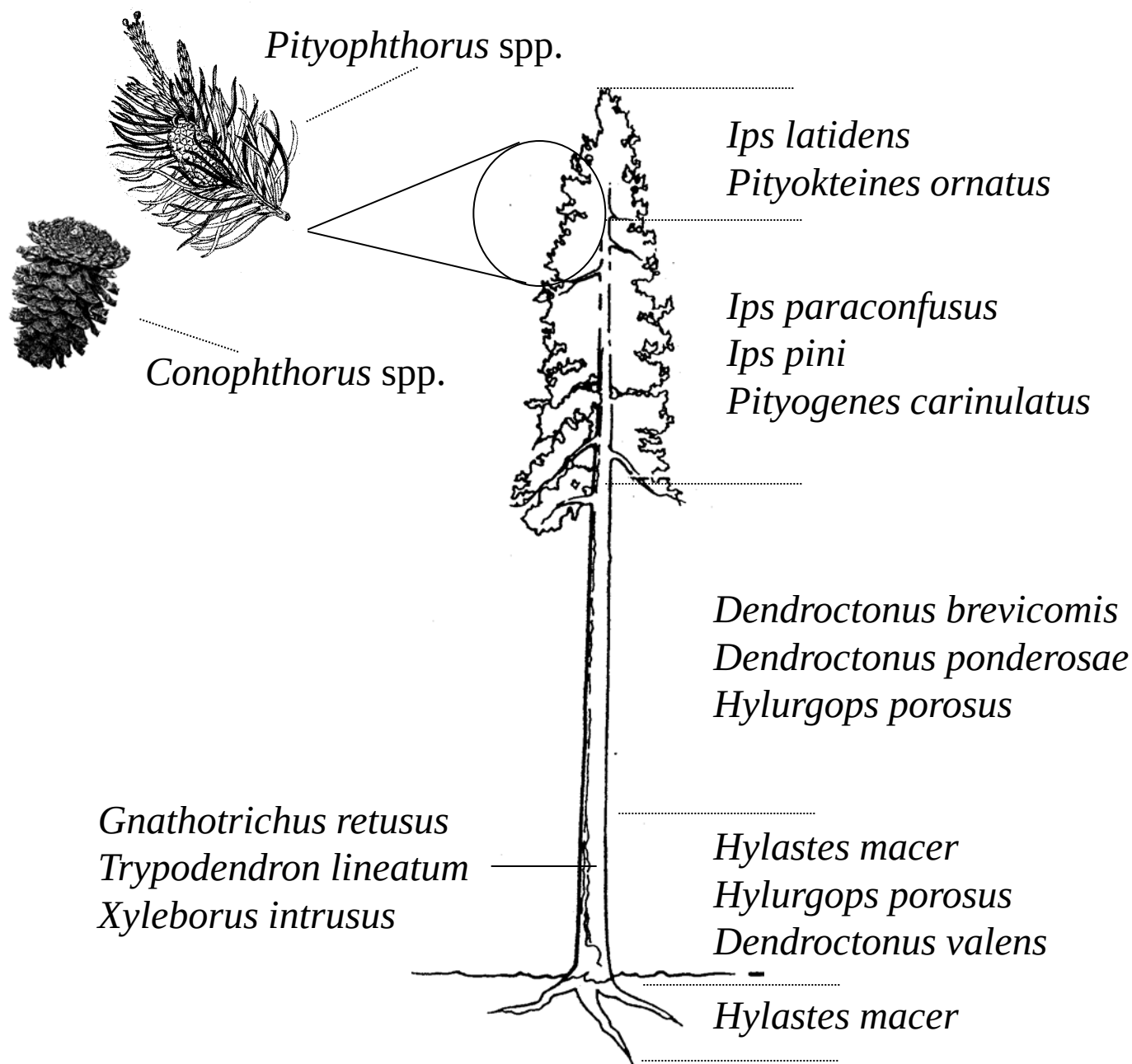
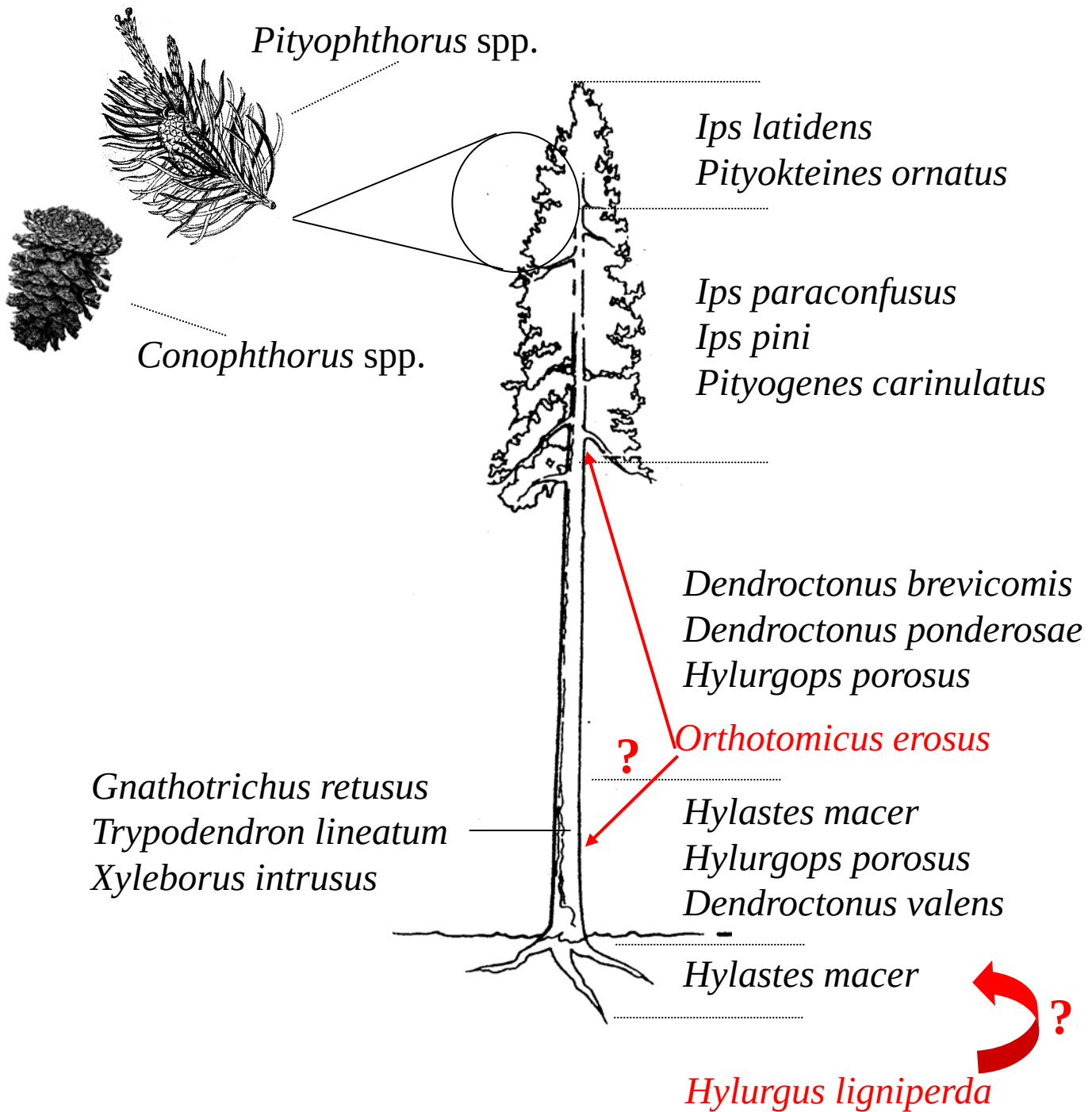


Figure 1. Walnut-growing areas in California with acres harvested in 2001. Source: California Agricultural Commissioner's Report, California Agricultural Statistics Service, Sacramento.

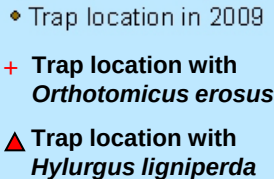
Interspecific Partitioning of Ponderosa Pine by Bark and Ambrosia Beetles in the Sierra Nevada of California



Potential Interactions of Invasive Bark Beetles with Native Fauna on Ponderosa Pine in the Sierra Nevada of California



June-September, 2009



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