

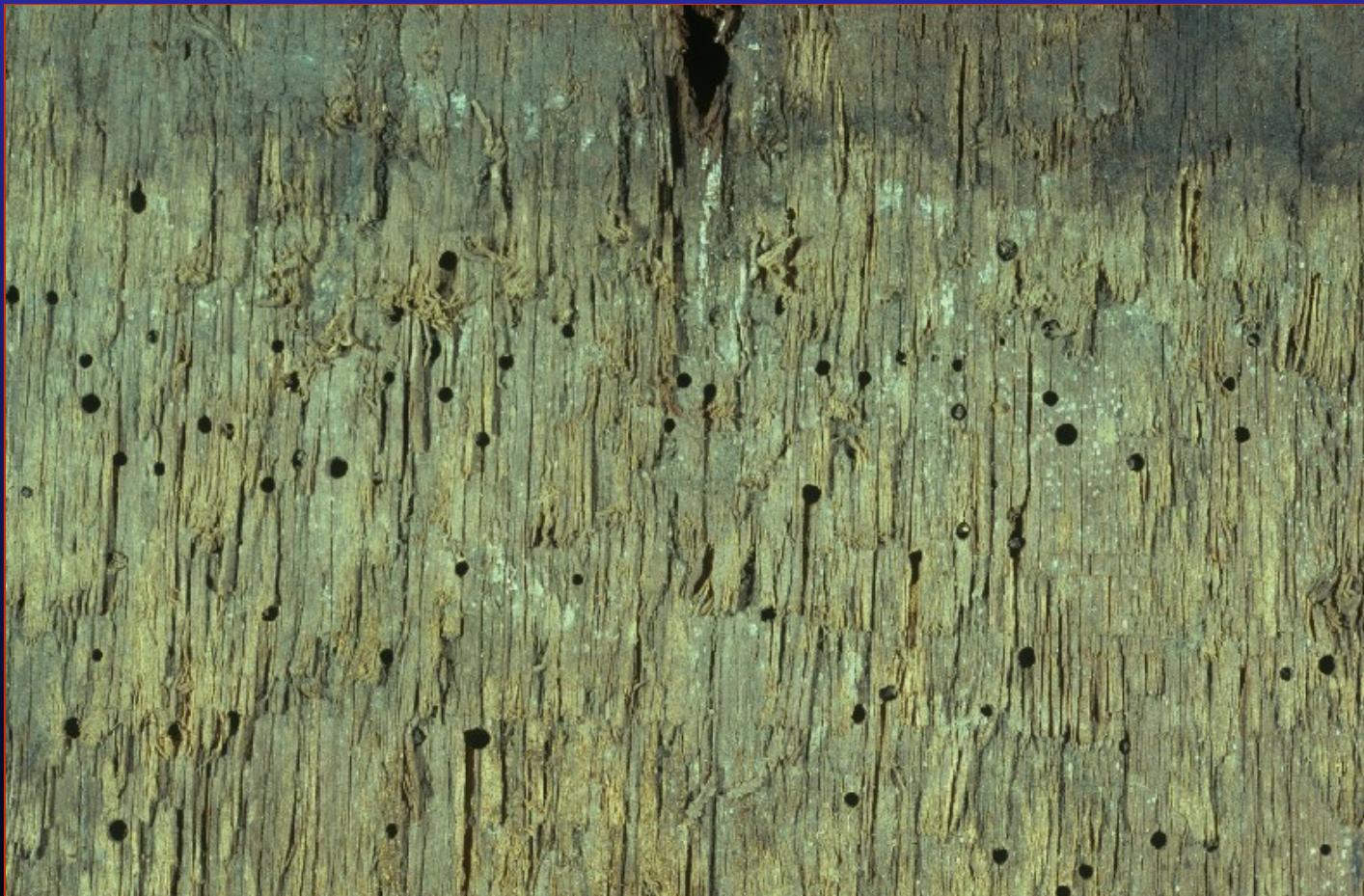
Common wood boring beetles of the home, their detection and control.

Vernard Lewis
UC Berkeley

Invertebrate Pests Identification &
Management

Catheys Valley, CA, Dec. 14, 2012

Beetle infested wood



Typical Damage

Damage by the California Deathwatch Beetle,
Hemicoelus gibbicollis (LeConte)

Pine

Maple

Bamboo

Douglas fir



POWDERPOST BEETLES

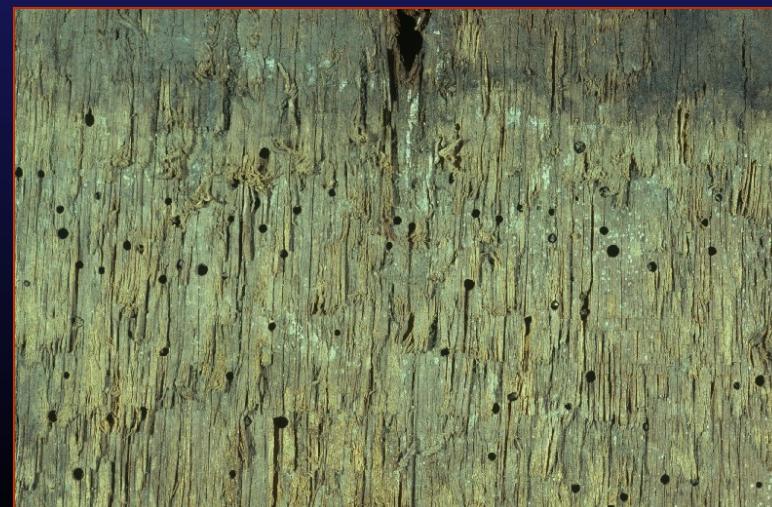
- Anobiidae Deathwatch Beetle
- Lycticidae True Powderpost Beetle
- Bostrichidae False Powderpost Beetle

Deathwatch Beetle



Hemicoelus gibbicollis

- head covered by hood shaped pronotum
- 11 segmented antennae, 3 segmented club
- cylindrical body
- small brown or black beetle
- distinct shaped hood



FRASS



Be careful with drugstore and cigarette beetles





C-shaped larva



Geographic Distribution of the California Deathwatch Beetle, *Hemicoelus gibbicollis* in Western North America



Lifecycle of wood-destroying beetles

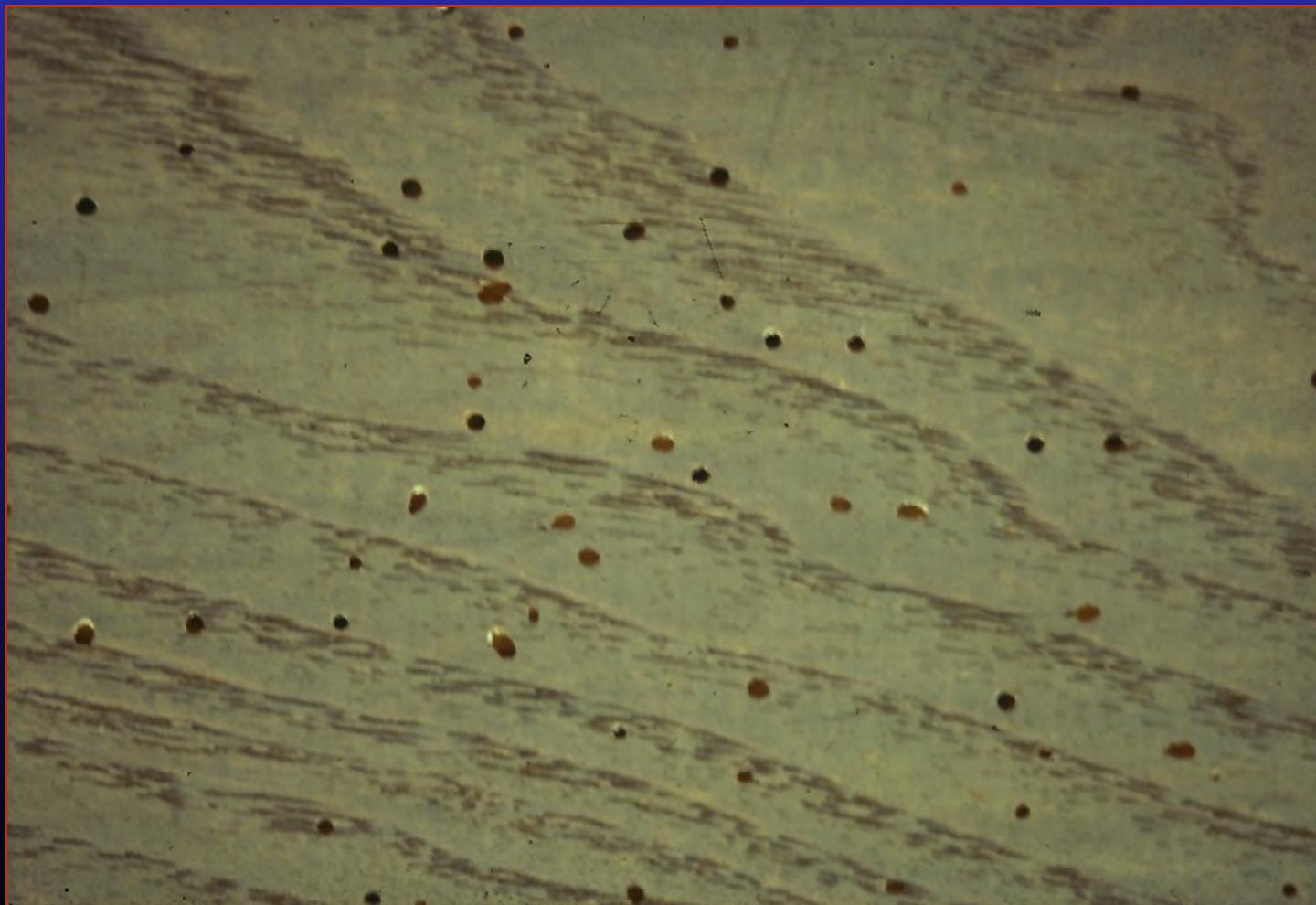
- Holometabola



Common in Nature

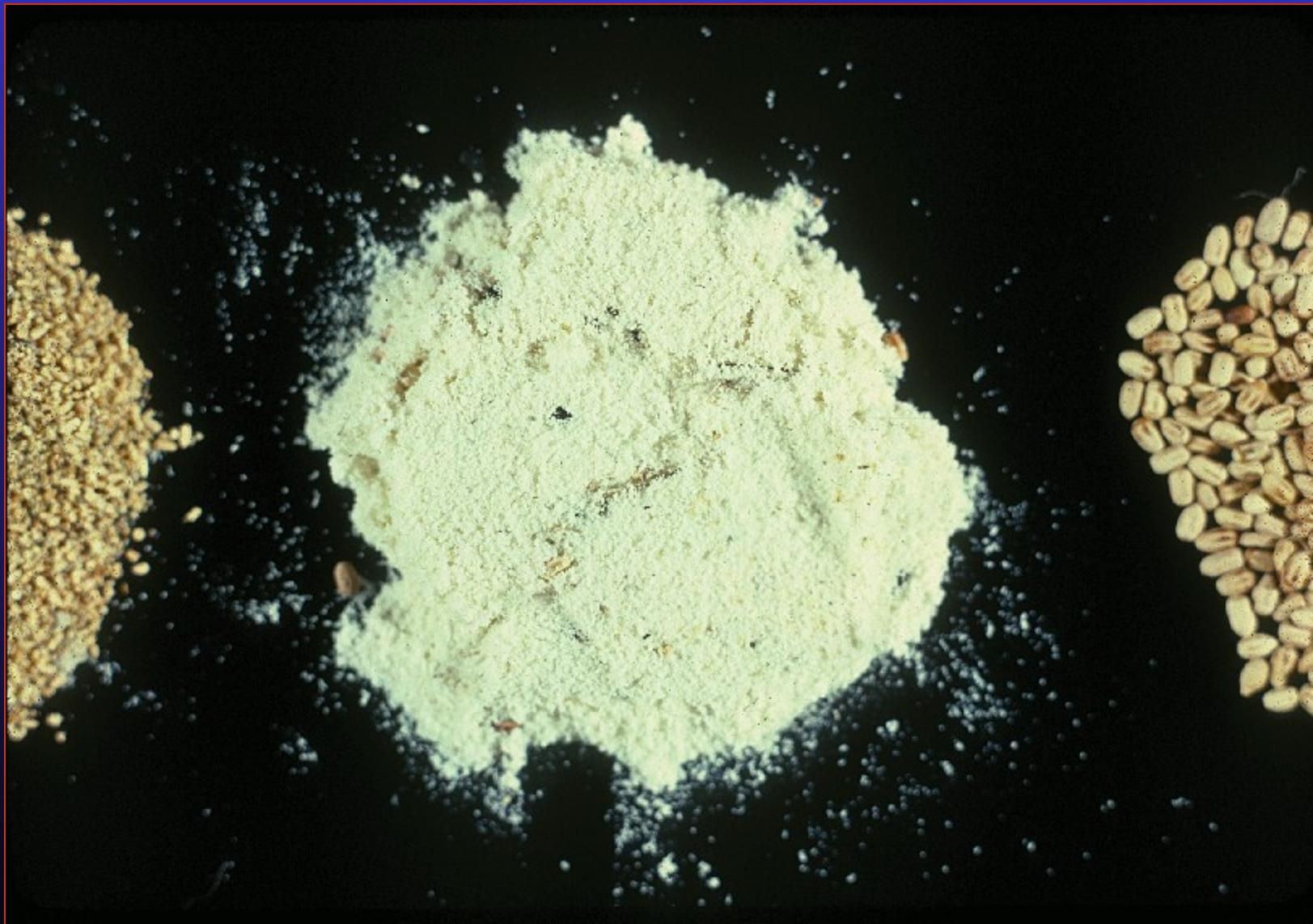


True Powderpost Beetles









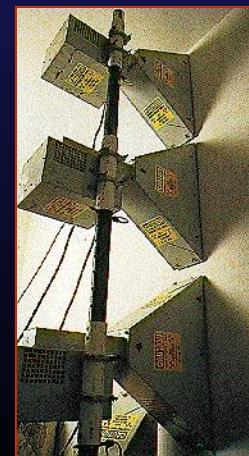
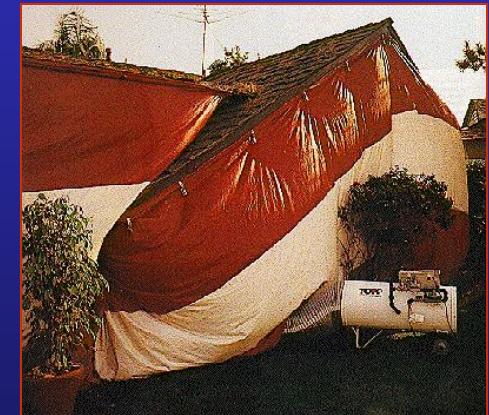


TRUE POWDERPOST BEETLES

FAMILY LYCTICIDAE

- Six species are common pests in the United States
- Millions of dollars of damage every year
- Second only to termites in destructiveness to wood and wood products
- Confine attacks to large-pore hardwoods such as oak, ash, and even bamboo

Control

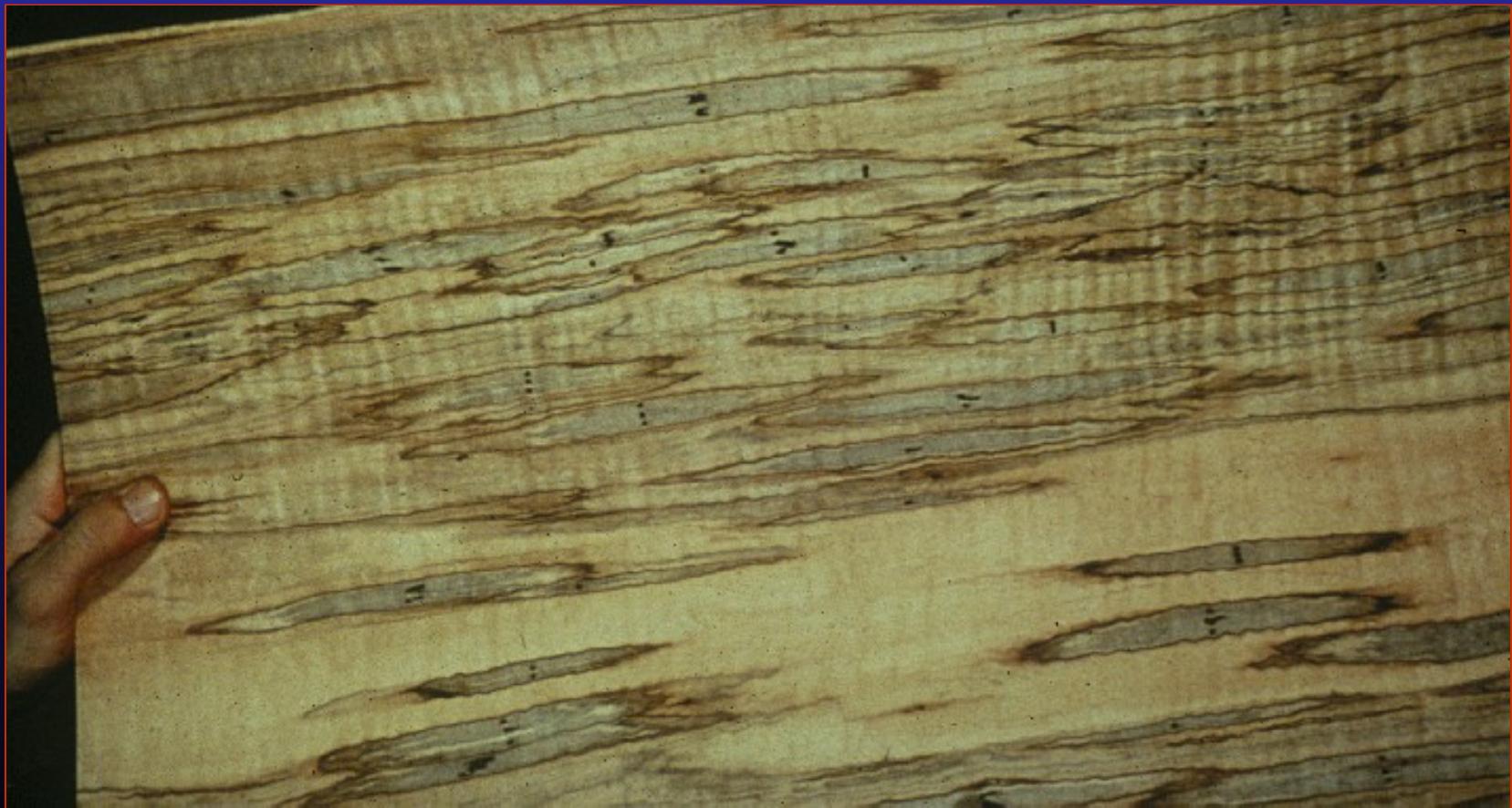


IPM of Wood-destroying Beetles

- Environmental control
- Prevention/ sanitation
- Anticipation
- Monitoring
- Multifaceted control
- Education/ research
- Follow up

Other Troublesome Beetles

Small holes and stain



Bark Beetles



Structural 2 by 4



Close up



Beasts in firewood!



Flatheaded Borers



Golden buprestid



Sometimes in homes
and telephone poles

Longhorn Beetles



**Roundheaded
borers**



FALSE POWDERPOST BEETLES

– FAMILY BOSTRICHIDAE

- Prepare egg tunnels
- Female lays eggs in pores bisected by tunnels
- Tunnels vary greatly in size and shape
- Breed in either or both hardwoods & softwoods

Leadable borer

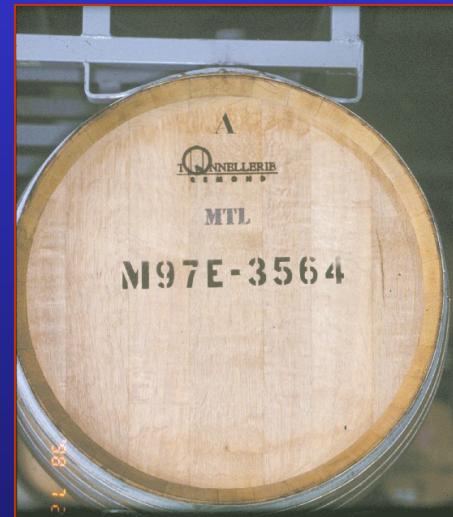


Oregon and
California

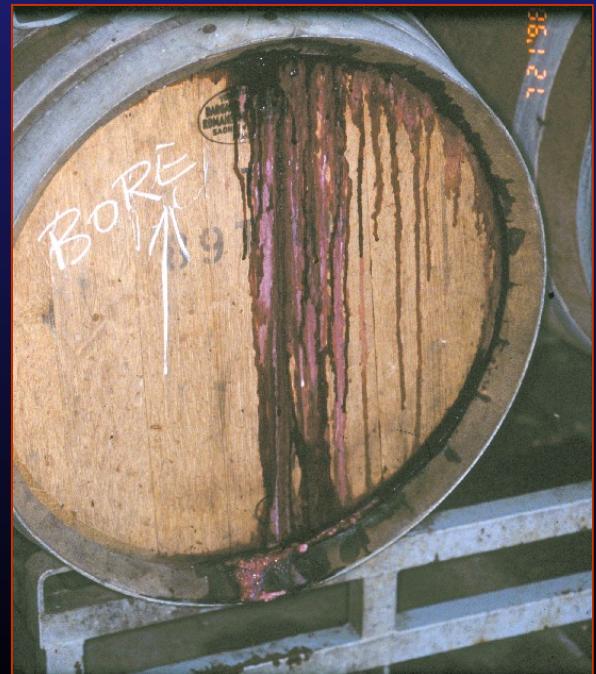


Leadcable borer damage





Leadable borer in wine barrels



Useful websites

UC Berkeley Urban Pest Management

<http://nature.berkeley.edu/upmc>

UC Davis Pest Notes

<http://www.ipm.ucdavis.edu/PMG/menu.homegarden.html>

Thank You!