

Comparing Borer Damage to Cankers and Mechanical Damage on Tree Trunks

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Trunk Wounds

- Deer Rubbing
- **Borer** Damage
- **Cankers** from freeze stress: Bots
- Trunk contortions from live tissue growing around freeze damaged tissue.
- **Mechanical** Wounds

**Mechanical
Wound.
On Side,
no frass, no
tunneling,
galleries.**



APR 18 20

**Deer scrap
Height,
length, no
frass, no
tunneling,
galleries.**

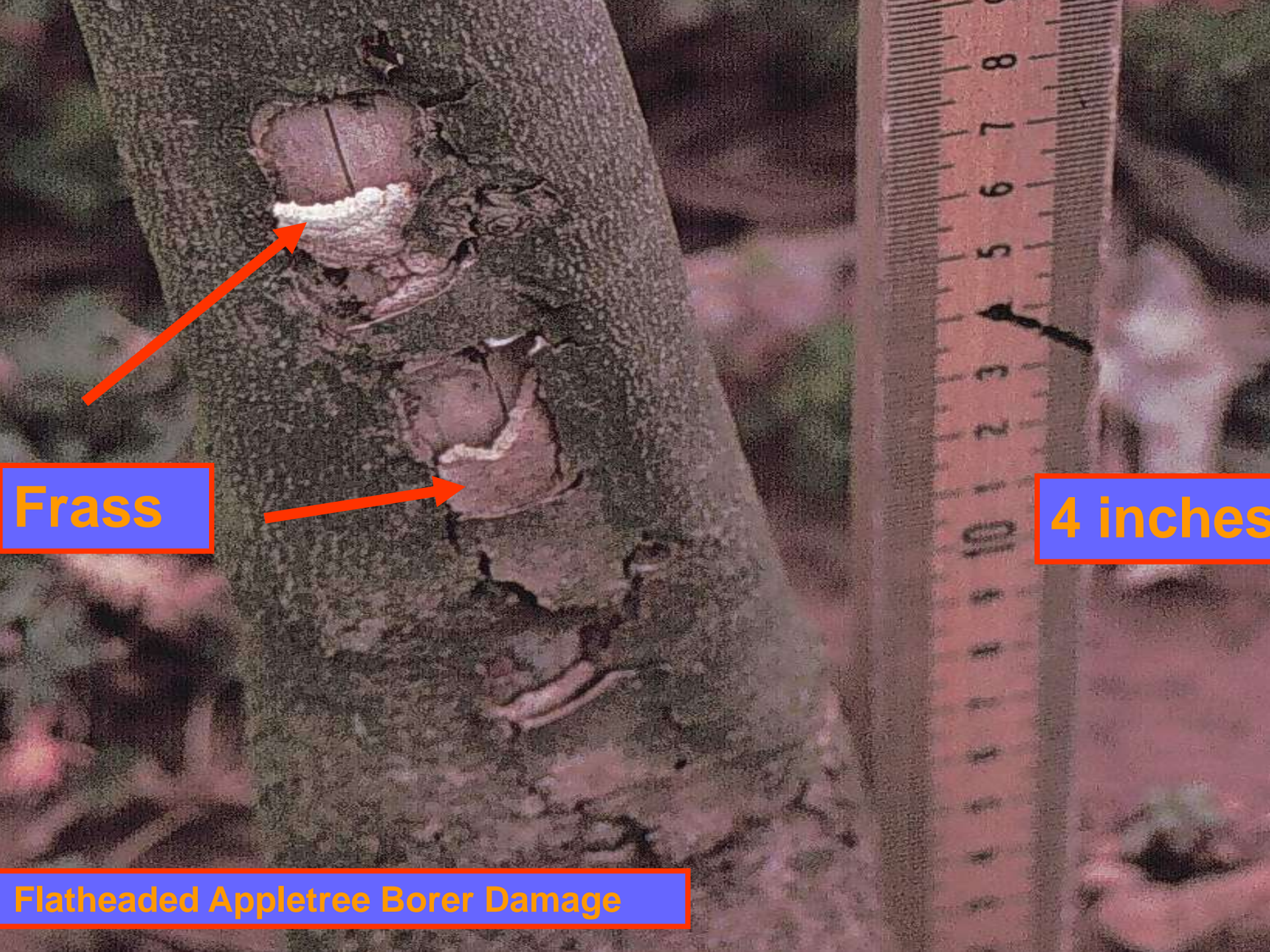
MAR 18 2008



Flatheaded Appletree Borer Damage



Frass



Frass

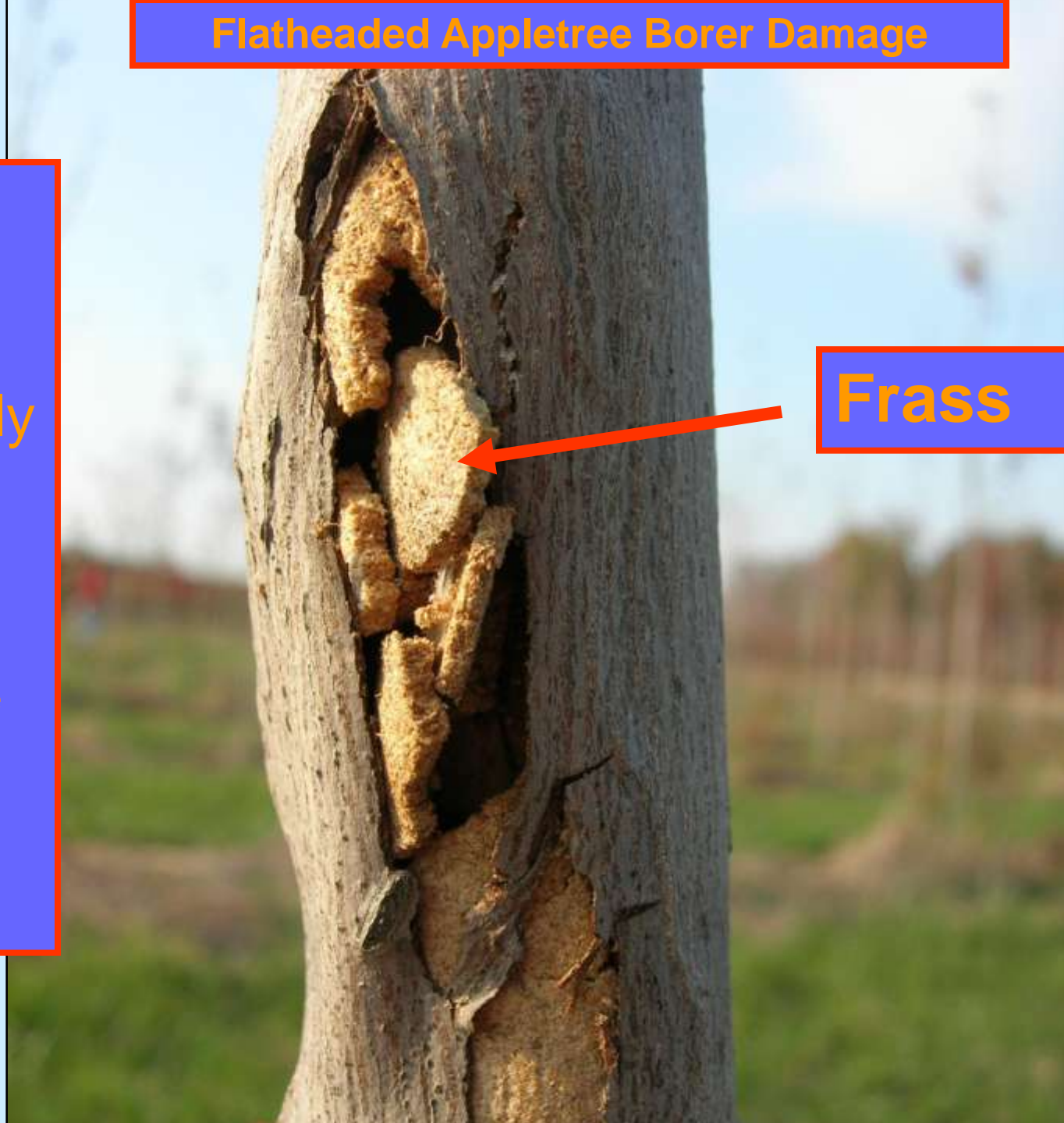
4 inches

Flatheaded Appletree Borer Damage

Flatheaded Appletree Borer Damage

Compare frass to composite board: mostly wood boring dust and insect poop. Will crumble into dust between fingers

Frass

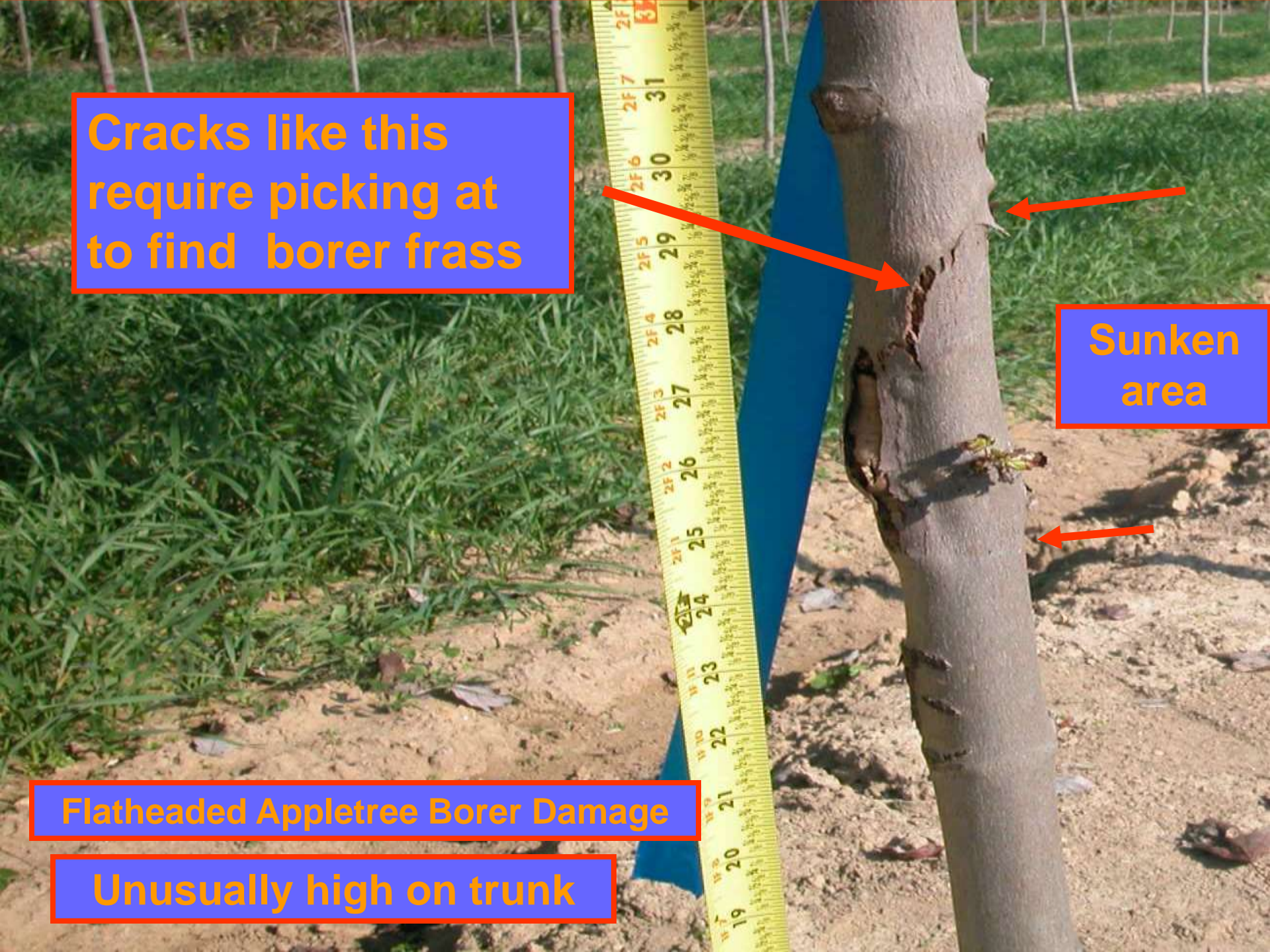


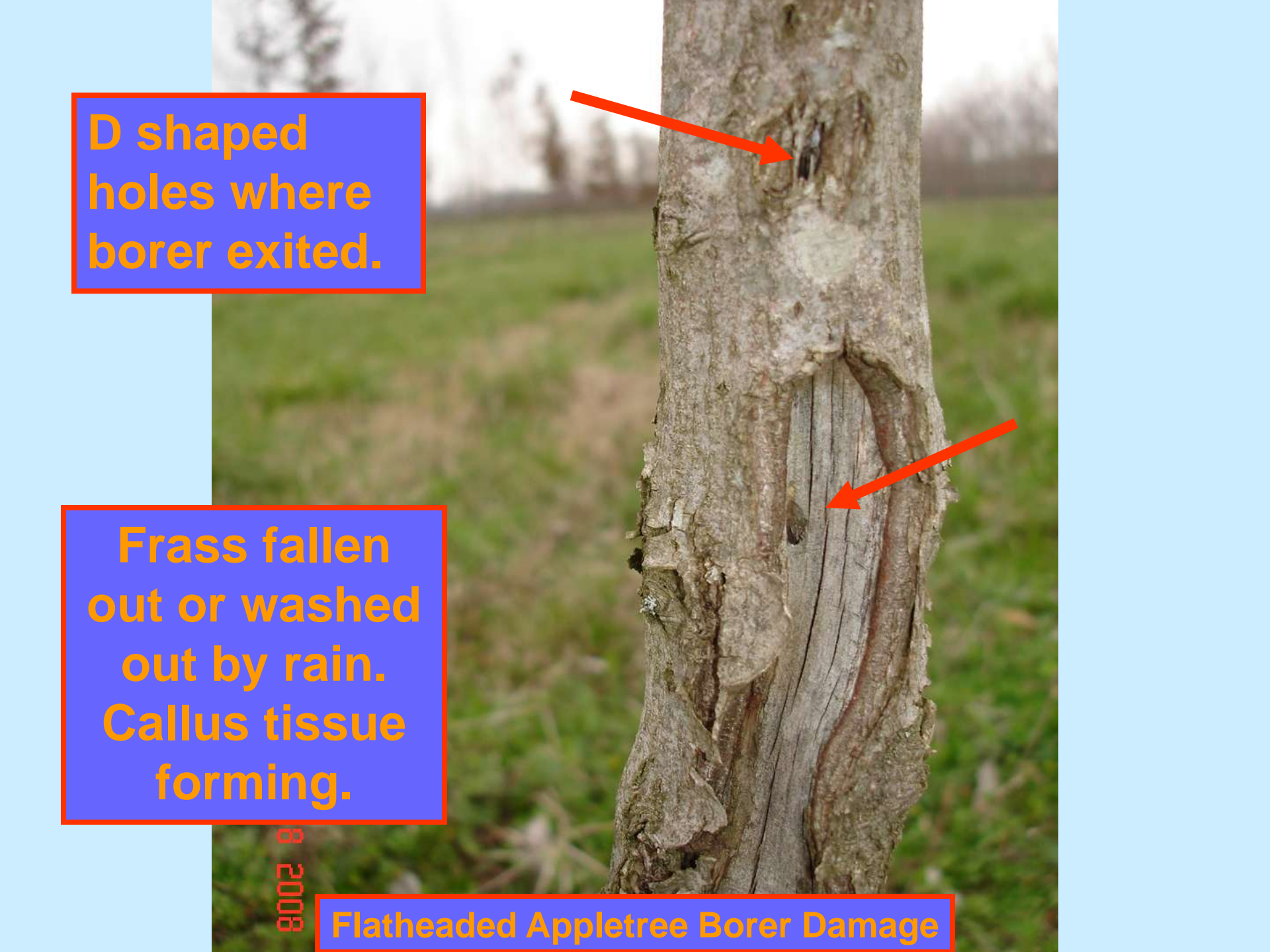
Cracks like this
require picking at
to find borer frass

Sunken
area

Flatheaded Appletree Borer Damage

Unusually high on trunk





**D shaped
holes where
borer exited.**

**Frass fallen
out or washed
out by rain.
Callus tissue
forming.**

Flatheaded Appletree Borer Damage

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Flatheaded Appletree Borer Damage

Notice the spiral wound.

18 2008



Redbud
Bots
Canker
following
stress





A stress
canker on
Cherry,
roots alive
8-6-06



Kwanzan
Cherry,
Bots
canker,
from Nov
freeze in
1991,
photo
possibly
June or
July,



Cherry Bots Canker

Fruiting bodies
poking through the
lenticels

Apple: From an early freeze in fall with excessive fertilizer



**Freeze injury found on Oak in
summer after April, 2007 freeze.**



Bottom Line

- Need to learn to distinguish between mechanical, borer and cankers
- So you can strive to control the borers better
- Borer damage can be mistaken for mechanical damage when it is not.
- And understand stress is powerful in plants and animals.

Borer Prevention

- Refer to the Borer handout on this web site, under the Insect & Disease Section