

4-H Forestry Judging

Insects

3 types of tree pests

- Defoliators
- Sucking Pests
- Borers

The defoliators...

- Feed on leaves aka “foliation”



Gypsy moth

- Feeds on oak leaves
- White or brown moth
- Caterpillar is fuzzy with blue and red dots



Eastern tent caterpillar

- White line down the center
- Make webs in the crotch angles of trees



forest tent caterpillar

- Larvae has blue lines with white spots on back
- Moth has brown stripe across back



fall webworm

- Brown stripe on the back with spots down the side
- Fuzzy
- Moth is white with a fuzzy head
- Make webs on the ends of branches or limbs



white marked tussock moth

- Brown moth with white dot on each wing
- Caterpillar has 4 tussocks



European pine sawfly

- Lays eggs under pine



red headed sawfly

- Red head and shoulders



Japanese beetle

- Brown back with green head and shoulders



Locust leafminer

- Brown with black band down the center of back



Sucking Pests...

balsam wooly adelgid

- Red color
- Secrete wool around egg sacks
- On bark and trunk of balsam fir



hemlock wooly adelgid

- Lays white wooly eggs around base of hemlock needles



periodical cicada

- Large, translucent wings
- Cuts slits in tree limbs and lays eggs in it



pine needle scale

- Frosty white scales
- Insect is tiny and brown



The borers ...

Asian longhorn beetle

- Bores straight thru trees and lays eggs



red oak borer

- Brownish camo color
- Long antennae



bronze birch borer

- Metallic bronze color
- Bores thru birch trees



emerald ash borer

- Emerald green color
- Killing all ash trees
- Winding S galleries



two-lined ash borer

- Two lines on back



southern pine beetle

- Small black insect
- Bores thru southern pine trees
- White sap marks on bark
- Winding galleries



ips engraver beetle

- Y and H galleries



locust borer

- Black with yellow stripes

