



Functional Ecology of How Pests Feed

Defoliators

Beetles

cottonwood leaf beetle
elm leaf beetle
imported willow leaf beetle
Japanese beetle

Weevils

black vine weevil
strawberry root weevil

Moths and Butterflies

armyworm (turf)
armyworm, fall (turf)
bagworm
cankerworms, spring and fall
cutworms, black, bronzed and variegated (turf)
Eastern tent caterpillar
elm casebearer
fall webworm
forest tent caterpillar
gypsy moth
mimosa webworm
mourningcloak butterfly
poplar tentmaker
redhumped caterpillar
sod webworms (turf)
spruce budworm
ugly nest caterpillar
walnut caterpillar
whitemarked tussock moth
yellownecked caterpillar

Sawflies

brownheaded ash sawfly
dogwood sawfly
dusky birch sawfly
European pine sawfly
introduced pine sawfly
mountainash sawfly
pear sawfly
redheaded pine sawfly
white pine sawfly
yellowheaded spruce sawfly

Suckers

Leaves, Branches and Trunks

ash plant bug
azalea lace bug
balsam twig aphid
boxelder bug
chinch bugs (turf)
Cooley spruce gall adelgid
Eastern spruce gall adelgid
false chinch bug (turf)
fourlined plant bug

honeylocust plant bug
hemlock wooly adelgid
honeysuckle witches' broom aphid
lace bugs
leafhoppers
pine bark adelgid
pine thrips
planthopper
spittlebugs
treehoppers
white pine aphid
woolly alder aphid
woolly apple aphid

Mites (leaf vagrant mites, gall mites, eriophyid mites)

ash flower gall mite
elm eriophyid mites
eriophyid mites
hemlock rust mite
maple spindlegall mite
maple velvet erineum gall mite

Scales (soft)

calico scale
cottony maple scale
European fruit lecanium
Fletcher scale
pine tortoise scale
spruce bud scale
tuliptree scale

Scales (armored)

black pineleaf scale
euonymus scale
gloomy scale
juniper scale
obscure scale
oystershell scale
pine needle scale
scurfy scale and elm scurfy scale

Scales (kermesidae)

pubescent leaf kermes
pin oak kermes

Scales (felt)

European elm scale

Spider Mites (freeranging, tetranychid mites)

boxwood spider mite
clover mite
cyclamen mite (Tarsonemidae)
European red mite
honeylocust spider mite
spruce spider mite
twospotted spider mite

Galls

hackberry nipple gall maker
maple spindlegall mite
maple velvet erineum gall
oak cynipid galls

Borers

Moths

clearwing borers
Eastern pine shoot borer
European pine shoot moth
Zimmerman pine moth

Beetles

ambrosia bark beetles
Asian longhorned beetle
bronze birch borer
elm borer
emerald ash borer
smaller European elm bark beetle
flatheaded appletree borer
linden borer
locust borer
native elm bark beetle
pine bark engraver
pine shoot beetle
roundheaded appletree borer
twig girdler
twig pruner
twolined chestnut borer
whitespotted sawyer

Weevils

Pales weevil
pine root collar weevil
poplar-and-willow borer
white pine weevil

Miners

arborvitae leafminer
birch leafminer

Root Feeders

Aphodius beetle (turf)
black turfgrass Ataenius (turf)
black vine weevil
bluegrass billbug (turf)
false Japanese beetle (turf)
green June beetle (turf)
Japanese beetle (turf)
strawberry root weevil
May/June beetles (turf)
Northern masked chafer (turf)
Oriental beetle (turf)