

Order Hemiptera

Suborders Auchenorrhyncha and Sternorrhyncha (formerly Order Homoptera):

Cicadas, leaf/plant/tree hoppers, psyllids, whiteflies, aphids, and scales

Table 1. Suborder Auchenorrhyncha, active, antennae short and bristle-like.

Family	Common name	Host/Feeding type	Species
Cicadidae	cicadas	adults suck sap; eggs cause flagging; larvae feed on roots	annual dog day cicada periodical cicada
Membracidae	treehoppers	trees and shrubs	
Cicadellidae	leafhoppers	trees and shrubs, turf; 1) remove sap causing, 2) yellowing, 3) clog phloem and xylem tubes, 4) oviposition damage, and 5) vector yellows	
Cercopidae	frohoppers/ spittle bugs	sucks sap; whips into froth with hind legs	pine spittle bug, Saratoga spittle bug meadow spittle bug
Derbidae, Cixiidae, Flatidae, Issidae	planthoppers	sucks sap	

Table 2. Suborder Sternorrhyncha, inactive, antennae when present long and filiform

Family	Common name	Host/Feeding type	Species
Psyllidae	psyllids	sucks sap	hackberry nipple gall maker, boxwood psyllid
Aleyrodidae	whiteflies	sucks sap	azalea whitefly, greenhouse whitefly, silverleaf whitefly
Aphididae	plant lice, aphids	sucks sap	birch aphids, white pine aphid, rose aphid, green peach aphid, melon aphid
Eriosomatidae	wooly, gall-making aphids	sucks sap	wooly alder aphid, wooly apple aphid
Adelgidae	pine/ spruce aphids	sucks sap	hemlock wooly adelgid, Cooley spruce gall adelgid, Eastern spruce gall adelgid
Phylloxeridae	phylloxerans	roots	grape phylloxera
Margarodidae	ground pearls	roots	
Coccidae	soft scales	sucks fluids	black soft scale, hemispherical scale, brown soft scale, calico scale, cottony maple scale, fletcher scale, tortoiseshell, scale spruce bud scale, tuliptree scale
Kermestidae	Kermestid scales	sucks fluids	kermes scale, oak kermes
Diaspididae	armored scales		Boisduval scale, scurfy scale, white peach scale, white prunicola scale, San Jose scale, oystershell scale, euonymous scale, juniper scale, gloomy scale, fletcher scale, obscure scale, pine needle scale
Dactylopiidae	Cochineal scales	sucks fluids	
Pseudococcidae	mealybugs	sucks fluids	citrus mealybug, longtailed mealybug, azalea mealybug, taxus mealybug
Eriococcidae	felt scales	sucks fluids	European elm scale

