



## Pests of Turf

<i>Aphodius</i> beetle	<i>Aphodius granarius</i>
armyworm	<i>Pseudaletia unipunctata</i>
armyworm, fall	<i>Spodoptera frugiperda</i>
black turfgrass <i>Ataenius</i>	<i>Ataenius spretulus</i>
bluegrass billbug	<i>Sphenophorus parvulus</i>
chinch bugs	<i>Blissus</i> species
cutworm, black	<i>Agrotis ipsilon</i>
cutworm, bronzed	<i>Nephelodes minians</i>
cutworm, variegated	<i>Peridroma saucia</i>
false chinch bug	<i>Nysius raphanus</i>
false Japanese beetle	<i>Strigoderma arvicola</i>
green June beetle	<i>Cotinis nitida</i>
greenbug	<i>Schizaphis graminum</i>
Japanese beetle	<i>Popillia japonica</i>
leafhoppers	several species
May/June beetles	<i>Phyllophaga</i> species
Northern masked chafer	<i>Cyclocephala borealis</i>
Oriental beetle	<i>Anomala orientalis</i>
sod webworms	<i>Crambus</i> and <i>Parapdiasia</i> species



## Beneficial Insects, Mites and Spiders

### Class Arachnida, Spiders and mites

#### Order Acari, Mites and ticks

**Family Phytoseiidae**, Predatory mites  
phytoseiid mites, *Phytoseiulus* species

#### Order Araneae, Spiders

**Several families**  
spiders, many species

### Class Insecta, Insects

#### Order Coleoptera, Beetles

**Family Cantharidae**, Soldier beetles  
soldier beetle, *Chaliognathus pennsylvanicus*

**Family Carabidae**, Ground beetles  
caterpillar hunter, *Calosoma sycophanta*

**Family Cicindelidae**, Tiger beetles  
tiger beetle, several species

**Family Coccinellidae**, Lady beetles  
convergent lady beetle, *Hippodamia convergens*  
mealybug destroyer, *Cryptolaemus montrouzieri*  
multicolored Asian lady beetle, *Harmonia axyridis*  
pink, or twelve-spotted, lady beetle, *Coleomegilla maculata*  
spider mite destroyer, *Stethorus picipes*  
twicestabbed lady beetle, *Chilocorus stigma*  
two-spotted lady beetle, *Adalia bipunctata*

#### Order Diptera, Flies, gnats, midges, and others

**Family Asilidae**, Robber flies  
robber flies, several species

**Family Cecidomyiidae**, Gall and predatory midges  
predaceous midge, *Aphidoletes aphidimyza*

**Family Syrphidae**, Syrphid, hover, or flower flies  
hover flies, several species





## Beneficial Insects, Mites and Spiders (continued)



**Family Tachinidae**, Tachinid flies  
tachinid fly, several species

### Order Hemiptera, True bugs

**Family Anthoridae**, Pirate bugs  
insidious flower bug, *Orius insidiosus*

**Family Lygaeidae**, Bigeyed bugs  
bigeyed bug, *Geocoris* species

**Family Miridae**, Plant or leaf bugs  
pirate bug, *Deraeocoris nebulosus*

**Family Pentatomidae**, Stink bugs  
spined soldier bug, *Podisus maculiventris*  
two-spotted stink bug, *Perillus bioculatus*

**Family Reduviidae**, Assassin bugs  
adult assassin bug, several species  
wheel bug, *Arilus cristatus*

### Order Hymenoptera, Parasitic wasps, wasps, ants, and bees

**Family Aphelinidae**, Aphelinid wasps  
whitefly parasitoid, *Encarsia formosa*

**Family Braconidae**, Braconid wasps  
braconid wasp, several species  
gypsy moth parasitoid, *Cotesia melanoscela*  
imported cabbageworm parasitoid, *Cotesia glomerata*  
tomato hornworm parasitoid, *Cotesia congregata*

**Family Chalcididae**, Chalcidid wasps or gall wasps  
chalcidid wasp, several species

**Family Encyrtidae**, Encyrtid wasps  
soft scale parasitoid, *Encyrtus fuscus*

**Family Ichneumonidae**, Ichneumonid wasps  
ichneumonid wasp, several species

**Family Scelionidae**, Scelionid wasps  
scelionid wasp, several species

**Family Trichogrammatidae**, Trichogrammid wasps

**Family Vespidae**, Wasps  
paper wasp, *Polistes* species  
potter wasp, several species  
yellowjacket, several species

### Order Neuroptera, Lacewings, mantids, and others

**Family Chrysopidae**, Green or common lacewings  
common green lacewing, *Chrysoperla carnea*

**Family Hemerobiidae**, Brown lacewings  
brown lacewing, several species

**Family Mantispidae**, Mantidflies  
mantidfly, several species

### Order Thysanoptera, Thrips

**Family Aleoarthropidae**, Predatory thrips  
**Family Phlaeothripidae**, Predatory thrips  
thrips, several species