

MAC'S FIELD GUIDE GOOD GARDEN BUGS OF THE NORTHEAST

SIX-SPOTTED THRIP
1 mm
F: Borers, eggs, leafworms, white flies

PREDACEOUS MITE
0.8 mm
F: Small insects, spider mites

BANDED-WING THRIP
1.5 mm
F: Small insects

APHID MIDGES
Range 2-3 mm
F: Maggot feeds on aphids

PYRALIS FIREFLY
14 mm
F: Larva eat insect larva

GREEN PUBESCENT GROUND BEETLE
10 mm
F: General predator

COLLOPS BEETLE
10 mm
F: General predator

SIX-SPOTTED GREEN TIGER BEETLE
15 mm
F: Small insects, spiders

ROVE BEETLE
18 mm
F: Aphids, maggots, mites, springtail fly eggs

DAMSEL BUGS
Range 12-18 mm
F: Aphids, caterpillars, small insects, thrips

BOAT-BACKED GROUND BEETLE
20 mm
F: General predator

COMMON BLACK GROUND BEETLE
16 mm
F: General predator

BLACK LADY BEETLES
Range 5-7 mm
F: Spider mites

WHITE FLY PREDATORY BEETLE
1 mm
F: White flies

CONVERGENT LADY BEETLE & LARVA
5 mm
F: Aphids, small insects

TWO-SPOTTED LADY BEETLE & LARVA
5 mm
F: Aphids, small insects

MEALYBUG DESTROYER & LARVA
3 mm
F: Aphids, mealybugs

ICHNEUMAN WASPS
Range 4-30 mm
F: Caterpillars, insects

APHID WASP
3 mm
F: Aphids

TRICHOGRAMMA WASPS
Range 0.5-1 mm
F: Cabbage worms, corn earworms, insect eggs, hornworms, fruitworms

BATHYPLECTES WASP
5 mm
F: Alfalfa weevils

BRACONID WASPS
Range 4-12 mm
F: Armyworms, cabbage worms, hornworms, insects

YELLOW JACKET
16 mm
F: Larva eats insects

PAPER WASP
25 mm
F: Larva eats insects

BOLD-FACED HORNET
20 mm
F: Larva eats insects

PRAYING MANTIS
Range 18-115 mm
F: Caterpillars, insects

CENTIPEDE
60 mm
F: General predator

CRAB SPIDER
10 mm
F: General predator

WOLF SPIDER
14 mm
F: General predator

KEY: COMMON NAME
Average length
F—Food

TACHINA FLIES
Range 7-13 mm
F: Larva parasitic on true bugs

TACHINID FLIES
Range 8-13 mm
F: Larva parasitic on general predator

SYRPHID FLY (HOVER FLY) & LARVA
13 mm
F: Larva eats aphids, scale insects

MINUTE PIRATE BUG
3 mm
F: Aphids, caterpillars, corn earworm, spider mites, thrips, white flies

BIGEYED BUG
3 mm
F: Aphids, mites, small insects

SPINED SOLDIER BUG
10 mm
F: Beetles, caterpillars, grubs, insects, sawfly larva (general predator)

AMBUSH BUG
10 mm
F: Butterflies, flies, moths, true bugs

TIGER BEETLES & LARVAE
Range 12-18 mm
F: General predator

ASSASSIN BUGS
Range 12-18 mm
F: Beetles, caterpillars, hornworms, insects

DRAGON FLIES
Range 18-80 mm
F: Soft-bodied insects

DRAGON FLY NYMPH (AQUATIC)
60 mm
F: Aquatic larva, mosquito larva

DAMSEL FLIES
Range 18-40 mm
F: Soft-bodied insects

DAMSEL FLY NYMPH
25 mm
F: Soft-bodied insects

ANT LIONS
Up to 100 mm
F: Ants, small insects

GREEN LACEWING & LARVA
Range 12-18 mm
F: Aphids, small insects

BROWN LACEWING
12 mm
F: Aphids, mealybugs, scale insects, small insects

General Bad Bugs by Habitat

General Pests	Cowpea curculio	Leafroller	Grapes	Cutworm	Potatoes	Pickleworm
Aphid	Cucumber beetle	Scale insect	Conspicuous oak bug	Earwig	Blister beetle	Potato beetle
Armyworm	Mite	Corn	Grape leafhopper	Flea beetle	Flea beetle	Tomato fruitworm
Blister beetle	Thrip	Corn	Scale insect	Mite	Mite	Tomato pinworm
Corn earworm	White fly	Armyworm	Squash bug	Grasshopper	Potato beetle	
Cutworm	Beets, Carrots & Root Vegetables	Corn earworm	Indoor Plants & Greenhouses	Leafhopper	Potato tuberworm	
European corn borer	Fla beetle	Cucumber beetle	Mealybug	Leafminer	Tomato pinworm	
Grasshopper	Maggot	European corn borer	Mite	Leafroller	Tomatoes	
Grub	Thrip	Cucumbers, Melons & Squash	White fly	Mite	Flea beetle	
Leafhopper	Cabbage, Chard, Lettuce & Spinach	Pickleworm	Lawn	Root weevil	Hornworm	
Leafminer	Cabbage looper	Spotted cucumber beetle	Chinch bug	Scale insect	Spittlebug	
Mite	Cabbage worm	Squash bug	Crane fly	Spitfirebug	Stink bug	
Slug	Diamondback moth	Striped cucumber beetle	Lawn moth	Thrip	Webworm	
Weevil	Harlequin bug	Eggplant & Peppers	Ornamentals & Trees	White fly	White fly	
Wireworm	Maggot	Corn borer	Peas			
Asparagus	Citrus	Cowpea curculio	Corn borer			
Asparagus beetle	Armyworm	Flea beetle	Blister beetle			
Beans		Potato tuberworm	Boring beetle			
Bean beetle		Tomato pinworm				
Bean-leaf beetle						

























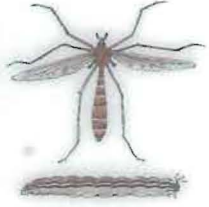



























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BAD GARDEN BUGS OF THE NORTHEAST

KEY: COMMON NAME
 Average length
 H—Habitat
 F—Food

 ROSY APPLE APHID Range 2 mm–3 mm H: Crops, gardens, indoor plants, orchards F: Plant juices	 GREEN APPLE APHID Range 2 mm–3 mm H: Crops, gardens, indoor plants, orchards F: Plant juices	 EASTERN PLANT BUGS Range 5–10 mm H: Crops, gardens F: Plant juices	 GRASSHOPPER Up to 40 mm H: Crops, gardens, orchards F: Foliage	 MITES Range 0.8 mm–3 mm H: Crops, gardens, orchards F: Plant juices
 THRIP 2 mm H: Crops, gardens F: Plant juices	 STINK BUG 18 mm H: Crops, gardens, orchards F: Plant juices	 SQUASH BUG 17 mm H: Crops, gardens F: Plant juices	 CHINCHBUG & NYMPH STAGES 5 mm H: Grubs F: Plant juices	 EARWIG (ALSO BENEFICIAL) 15 mm H: Moist, dark soil F: Flowers, fruit, insects, larva
 HARLEQUIN BUG 10 mm H: Crops, gardens F: Plant juices	 BLISTER BEETLE 12 mm H: Crops F: Foliage	 CUCUMBER BEETLE 7 mm H: Crops, gardens F: Foliage	 POTATO BEETLE 11 mm H: Crops, gardens F: Foliage	 MOLE CRICKE Up to 35 mm H: Moist soil F: Plant roots
 FLEA BEETLES Range 4–5 mm H: Crops, gardens F: Plant juices	 JAPANESE BEETLE 25 mm H: Gardens F: Foliage	 SHORT-WINGED BLISTER BEETLE 15 mm H: Crops, gardens F: Foliage	 MEXICAN BEAN BEETLE 7 mm H: Crops, gardens F: Foliage	 ASPARAGUS BEETLE 6 mm H: Crops, gardens F: Foliage
 COWPEA CURCULIO Range 4–15 mm H: Crops, gardens F: Foliage	 GREEN LEAFHOPPER 3 mm H: Crops, gardens F: Plant juices	 BEAN LEAF BEETLE 6 mm H: Crops, gardens F: Foliage	 LEAFMINER 2 mm H: Crops, gardens F: Foliage	 EUROPEAN CRANE FLY & LARVA 35 mm H: Gardens, lawns F: Plant tissues
 WEEVILS (BEAN, BILLBUG, CURCULIO) Up to 15 mm H: Crops, gardens F: Foliage, flowers	 WHITE FLY 2 mm H: Indoor plants, greenhouses F: Plant juices	 SPITTLEBUG 10 mm H: Crops, gardens F: Plant juices	 BAGWORM 20 mm H: Gardens, trees F: Foliage	 PINK BOLLWORM 12 mm H: Cotton, okra F: Plant tissues
 APPLE MAGGOT FLY 7 mm H: Orchards F: Plant tissues	 PEAR PSYLLID 6 mm H: Orchards F: Plant juices	 MEALYBUG 3 mm H: Greenhouses, indoor plants F: Plant juices	 CODLING MOTH Up to 20 mm H: Crops, gardens F: Larva, fruit	 POTATO TUBERWORM 18 mm H: Crops, gardens F: Foliage, plant tissues
 BEET ARMYWORM 31 mm H: Crops, gardens F: Foliage	 REDHUMPED CATERPILLAR 35 mm H: Orchards F: Foliage	 PEACH TWIG BORER Adult: 18 mm Larva: 8 mm H: Orchards F: Twigs	 ORIENTAL FRUIT MOTH & LARVA 13 mm H: Orchards F: Plant tissues	 LEAFROLLER 25 mm H: Crops, gardens F: Foliage, plant tissues
 TOMATO HORNWORM 100 mm H: Crops, gardens F: Caterpillars, foliage	 IMPORTED CABBAGE WORM Up to 25 mm H: Crops, gardens F: Foliage	 TOBACCO BUDWORM 35 mm H: Crops, gardens F: Fruit, buds	 CUTWORM Up to 50 mm H: Soil F: Plant tissues	 GRUB (INSECT LARVA) Up to 75 mm H: Crops, gardens, soil F: Roots
 CORN EARWORM (TOMATO FRUITWORM) 40 mm H: Crops, gardens F: Plant tissues	 ONION MAGGOT 8 mm H: Crops, gardens F: Plant tissues	 CABBAGE LOOPER Up to 35 mm H: Crops, gardens F: Foliage	 EUROPEAN CORN BORER Up to 45 mm H: Crops, gardens F: Plant tissues	 PICKLEWORM 20 mm H: Crops, orchards F: Blossoms, fruit, foliage
 TOMATO HORNWORM 100 mm H: Crops, gardens F: Caterpillars, foliage	 LAWN MOTH LARVA 20 mm H: Gardens, lawns F: Plant tissues			