

Late Goldenrod in Four Seasons with Fifty Associates by Emily S. Damstra

Goldenrod visitors, roughly from top to bottom

1. parasitic wasp, *Eurytoma obtusiventris*
2. leaf beetle larva, *Trirhabda* sp.
3. warty leaf beetle larva, *Exema canadensis*
4. Goldenrod Gall Fly female ovipositing, *Eurosta solidaginis*
5. Ground Crab Spider, *Xysticus* sp., with Goldenrod Leaf Miner beetle *Microrhopala vittata*
6. Goldenrod Gall Moth/Scudder's Epiblema, *Epiblema scudderiana*
7. eggs of leaf chewing beetle, *Ophraella* sp.
8. leafhopper, *Neokolla hieroglyphica*
9. folded leaf containing twirler moth caterpillar *Dichomeris* sp.
10. grasshopper nymph, *Melanoplus* sp.
11. Goldenrod Leaf Miner beetle, *Microrhopala vittata*
12. Meadow Spittlebug spittle containing nymphs, *Philaenus spumarius*
13. three circular leaf galls from the gall midge *Asteromyia carbonifera*
14. fungus associated with the leaf galls, *Botryosphaeria dothidea*
15. Chrysanthemum Lace Bug, *Corythucha marmorata*
16. Formica sp. ant, tending
17. leaf piercing/sucking bug *Publilia concava*
18. long legged fly, *Condylostylus* sp.
19. Shining Flower Beetle, *Olibrus* sp.
20. flower gall from midge *Schizomyia racemicola*
21. Goldenrod Soldier Beetles mating, *Chauliognathus pensylvanicus*
22. Hairy-Banded Andrena mining bee, *Andrena hirticineta*
23. syrphid fly, *Helophilus* sp.
24. The Asteroid/Goldenrod Hooded Owlet caterpillar, *Cucullia asteroides*
25. tachinid fly eggs on caterpillar
26. ambush bugs, male guarding female, *Phymata* sp.
27. Pure Green Augochlora bee, *Augochlora pura*
28. female Goldenrod Crab Spider, *Misumena vatia*
29. Northern Paper Wasp, *Polistes fuscatus*
30. Locust Borer beetle, *Megacyllene robiniae*
31. Wide-footed Tree Hopper, *Campylenchia latipes*
32. Common Eastern Bumble Bee worker, *Bombus impatiens*
33. Polished Lady Beetle, *Cycloneda munda*
34. folded leaf from Goldenrod Leaf Miner caterpillar, *Cremastobombycia solidaginis*
35. rust fungus, *Coleosporium asterum*
36. leaf galls from the gall midge *Asteromyia carbonifera*
37. fungus associated with the leaf galls, *Botryosphaeria dothidea*
38. parasitic wasp, *Eurytoma gigantea*
39. gall from the Goldenrod Gall Fly, *Eurosta solidaginis*
40. leaf beetle, *Trirhabda* sp.
41. snap gall from midge *Asphondylia solidaginis*
42. flower fly, *Toxomerus geminatus*
43. leaf damage from mining by the Goldenrod Leaf Miner beetle *Microrhopala vittata*
44. linear leaf damage from Agromyzid leaf miner fly
45. Hairy Helicellid snail, *Trochulus hispidus*
46. leaf damage from Agromyzid leaf miner fly *Nemorimyza posticata*
47. unknown seed-eating larva
48. Tarnished Plant Bug, *Lygus lineolaris*
49. flower galls from midge *Schizomyia racemicola*
50. Common Tan Wave caterpillar, *Pleuroprucha insulsaria*
51. lateral rosette galls from the fruit fly *Procecidochares atra*
52. apical rosette gall from the midge *Rhopalomyia solidaginis*
53. Bold Jumper *Phidippus audax*
54. gall from the Goldenrod Gall Fly, *Eurosta solidaginis*
55. hole drilled into gall by Downy Woodpecker, *Dryobates pubescens*
56. gall from Goldenrod Elliptical Gall Moth, *Gnorimoschema gallaesolidaginis*
57. ootheca (egg mass) from the Praying Mantis/European Mantis, *Mantis religiosa*