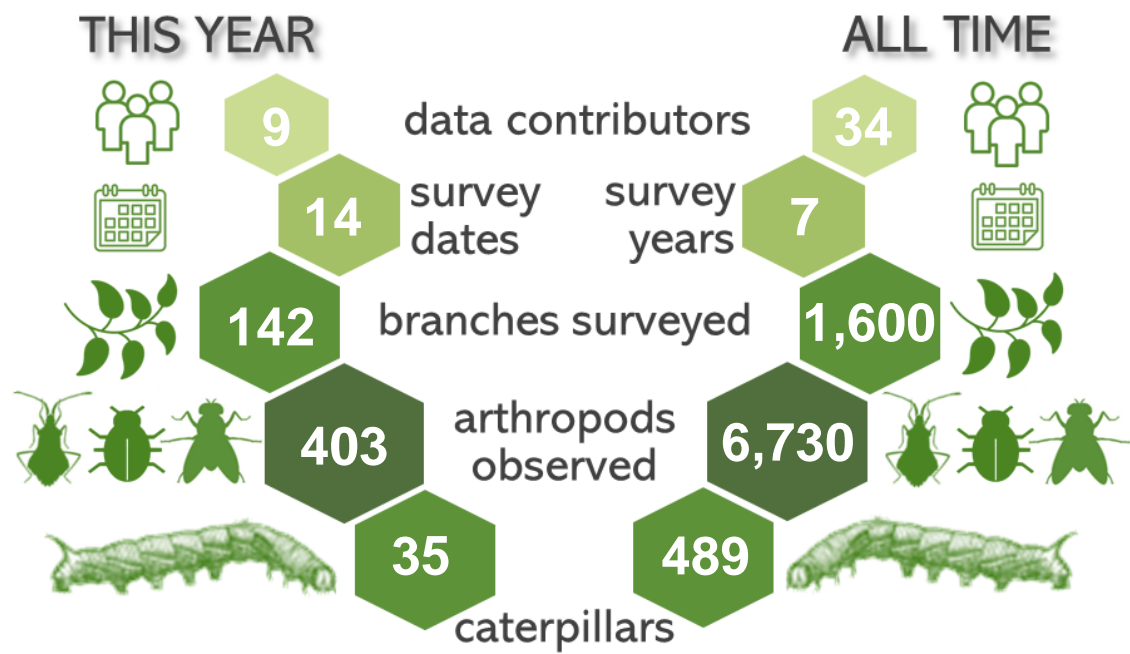




EwA at the Fells, 2025 Summary



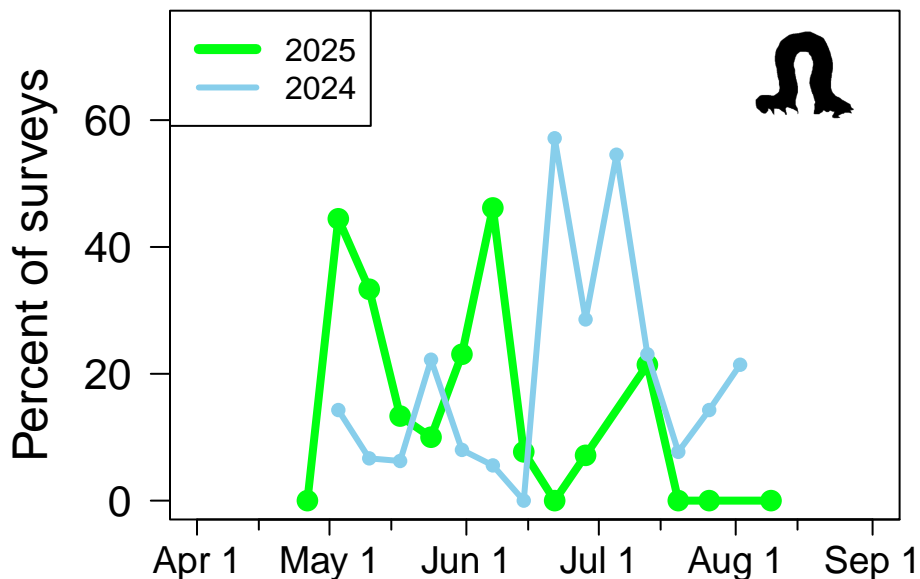
The **142** total surveys conducted at **EwA at the Fells** this year ranks **34th** out of the **68** sites that participated in 2025.

Top Participants of 2025

User	Surveys	Arthropods	Caterpillars	% Caterpillars
K McGlathery	4	14	4	50.00
A Mackie	13	42	7	46.15
C O'NEILL	43	108	16	18.60
J Wardell	31	149	6	16.13
J Grams	7	12	1	14.29
D Patel	21	49	1	4.76
A Bhallamudi	6	18	0	0.00
B D	4	5	0	0.00

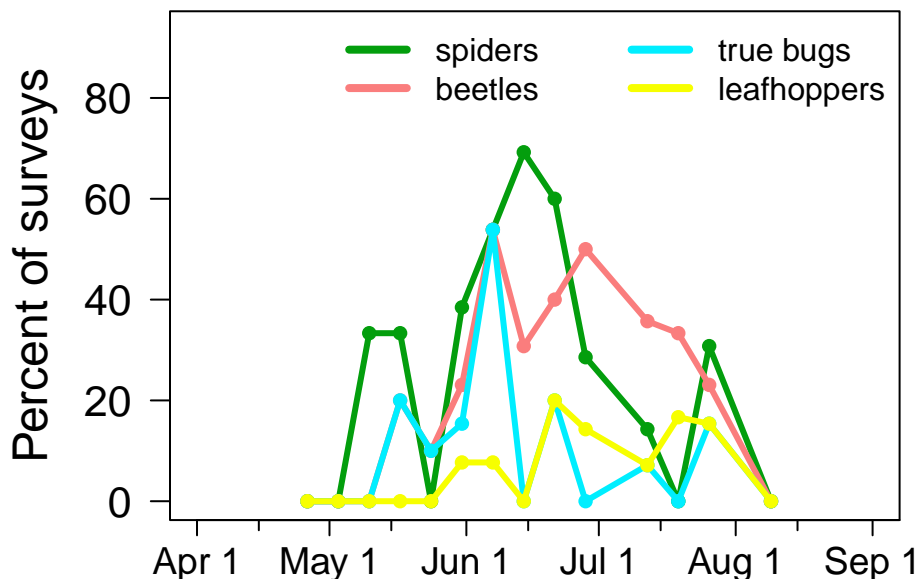
## Caterpillar Phenology

As a major source of food for nestlings of migratory birds, we are especially interested in the timing of caterpillar availability. At **Ewa at the Fells** in **2025**, caterpillar occurrence peaked at **46.2%** of surveys on **7 June**. Do you see other peaks as well? How does the pattern compare to the previous year?



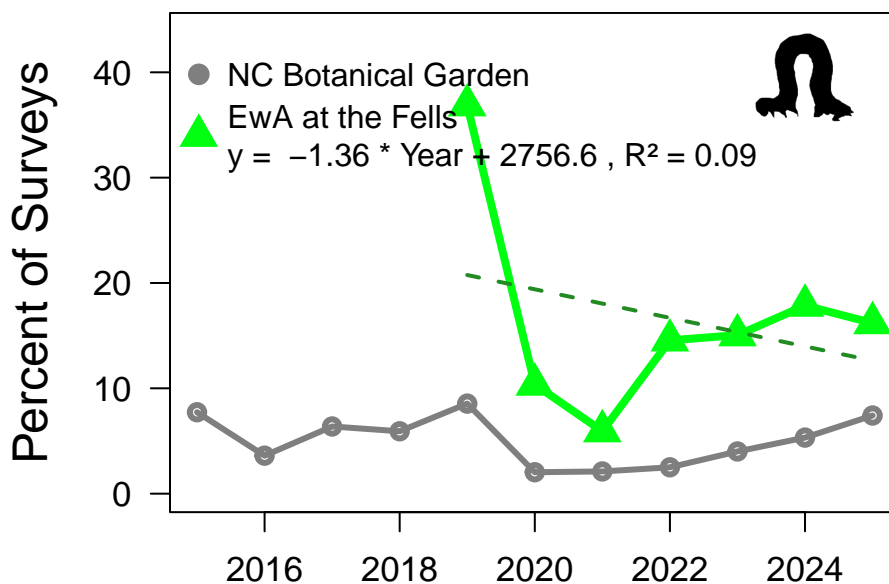
## Other Arthropod Phenology

While caterpillars tend to have pronounced seasonal peaks, other groups are more variable. What patterns do you see below for **2025**? You can explore the phenology of other groups on the ***Caterpillars Count!*** website.



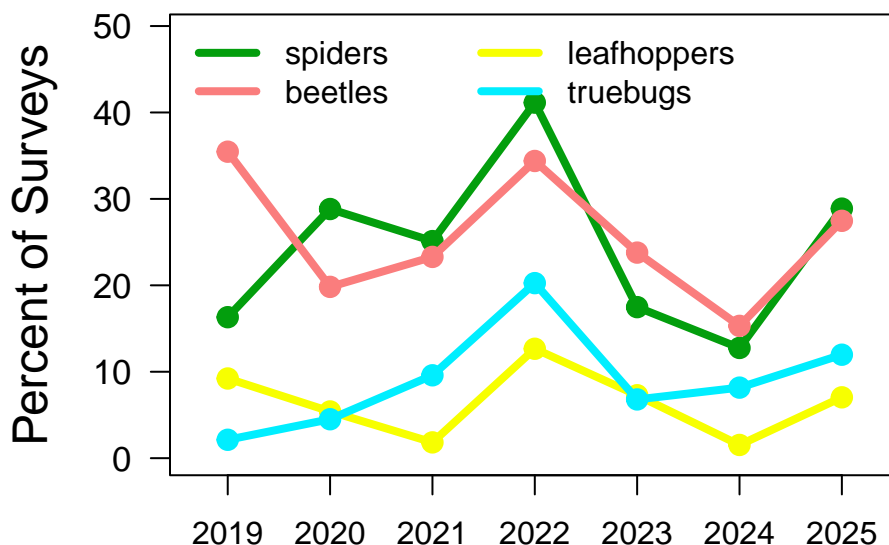
## Arthropod Trends

Annual monitoring is critical for assessing the health of ecosystems and evaluating the impacts of environmental change that may be happening in your area. There have been worrying reports of insect declines around the world but there is much we don't know, so your efforts help to fill in pieces of the puzzle. Keep it up!



Above you can see how the proportion of surveys with caterpillars has varied over time at your site, with the trend for one of our flagship sites, **NC Botanical Garden**, for comparison. If you've surveyed for at least 3 years, then you will also see the average dashed trend line displayed.

Below are trends for some other common arthropod groups. Do the different groups go up and down in sync, or seem to vary independently?

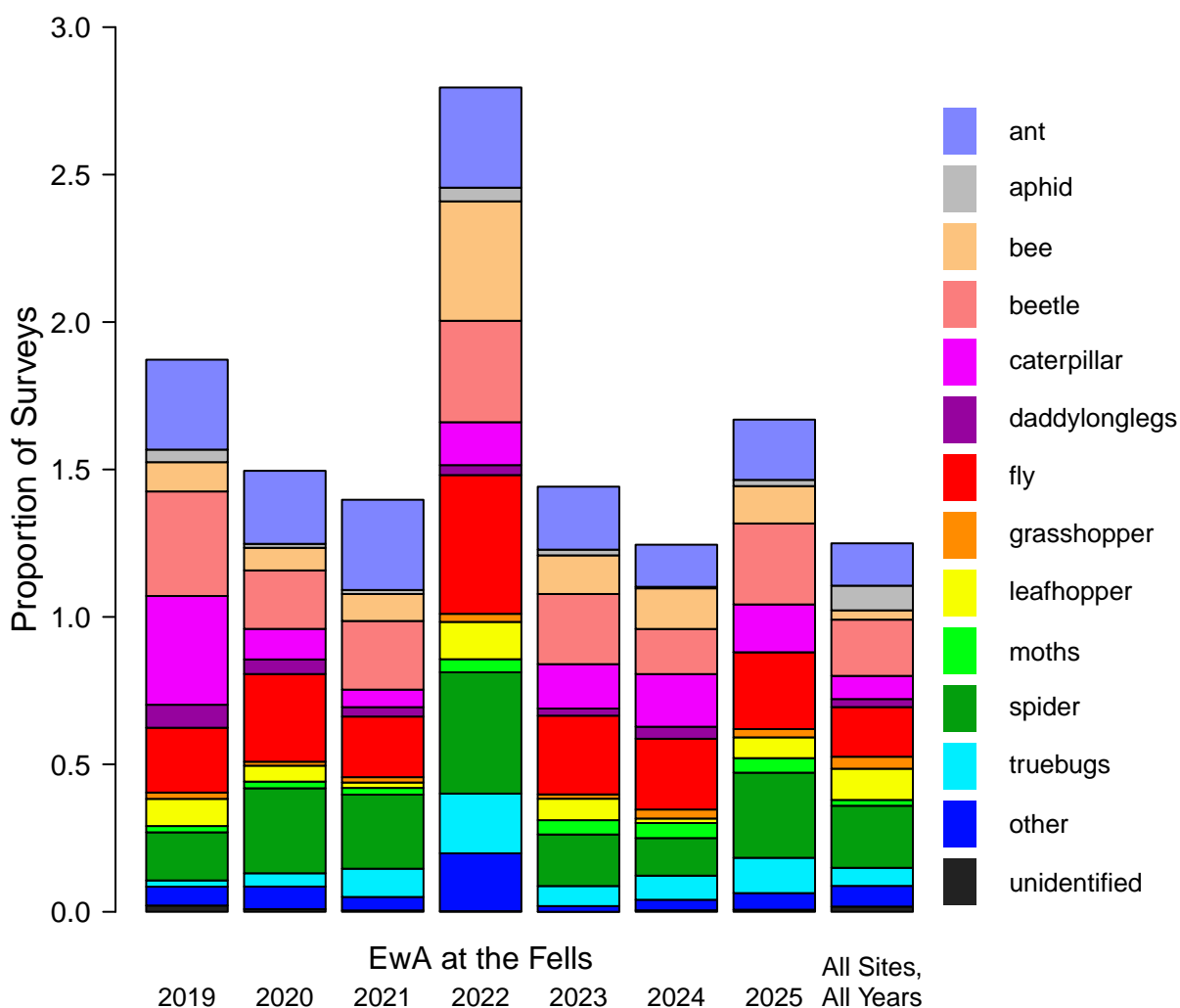


You can explore trends for more arthropod groups, and compare trends at different sites, on your site's **Trends Page**. See also our **November 2021 newsletter** for more on how to interpret these trends.

## Site Arthropod Composition

Some arthropods are more commonly encountered than others. The graph below portrays the occurrence (proportion of surveys where a given group was found) for each arthropod group found at your site. See how what was found varies by year (if the site has been participating for multiple years), and how it compares to what has been found across all sites in the **Caterpillars Count!** network (*right bar*).

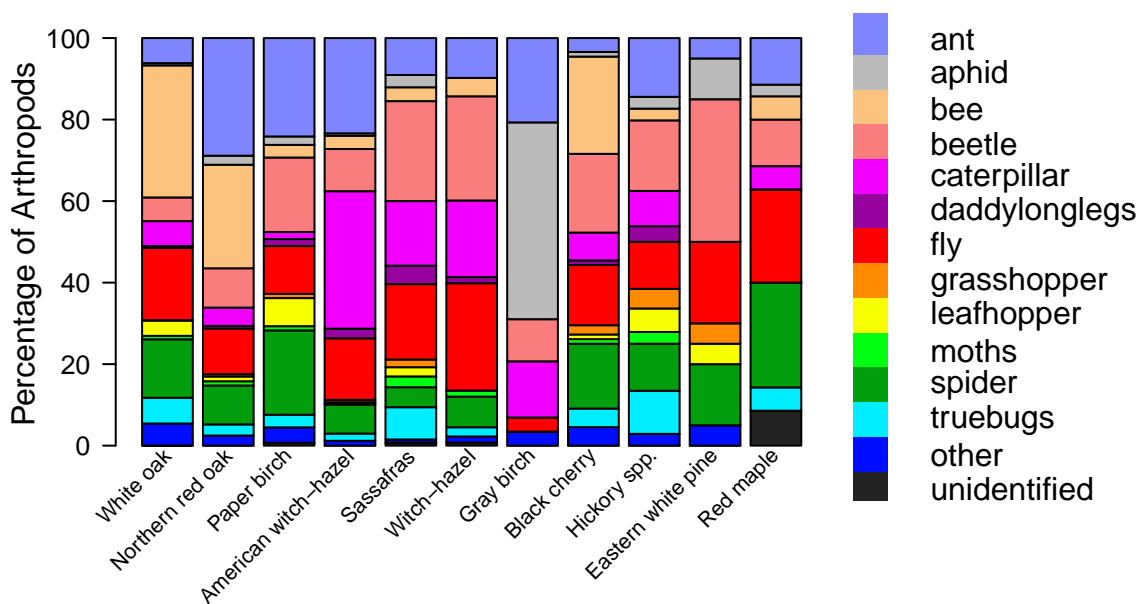
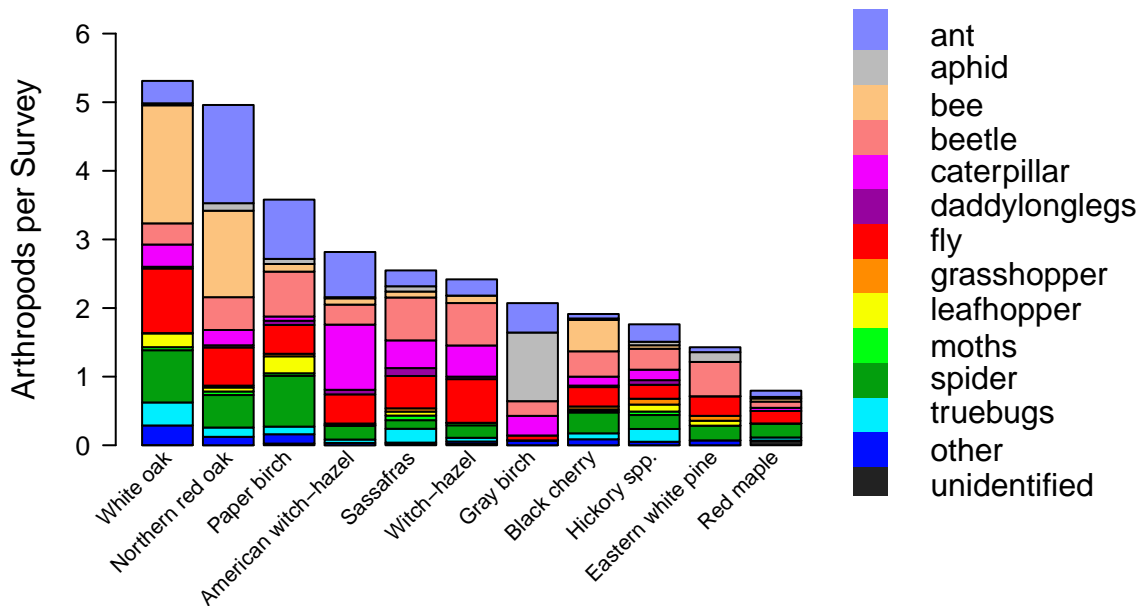
- What are the most common arthropod groups found at your site?
- Has that varied by year?
- Is anything noticeably different about **EwA at the Fells** compared to all other participating sites?
- If arthropod photos were submitted as part of your site's surveys, check the last section of this report for a summary of any finer taxonomic id's that have been made.



## Arthropod Composition by Plant Species

For some arthropods like spiders, trees and leaves are merely habitat—a place where they live, hide, and hunt. For others like caterpillars, the leaves are not just habitat, but also food.

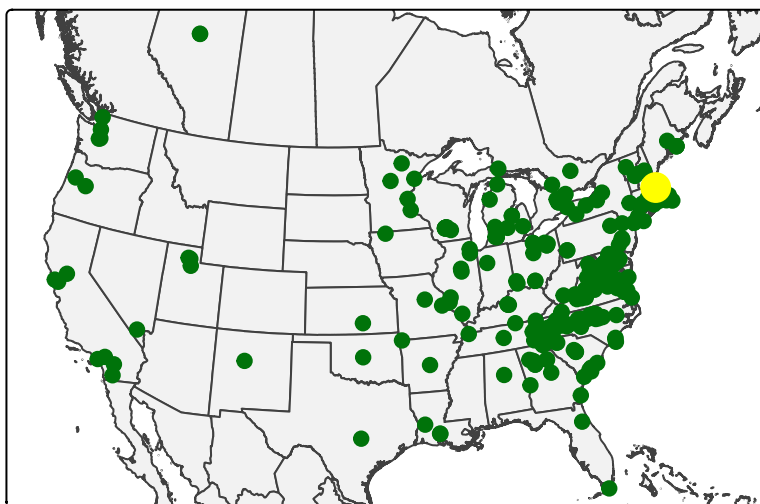
- Which plant species supports the most arthropods per survey?
- Which plant species supports the most **caterpillars**?
- Are any plant species dominated by just one or two types of arthropods?
- Or do they support a diversity of arthropod types?



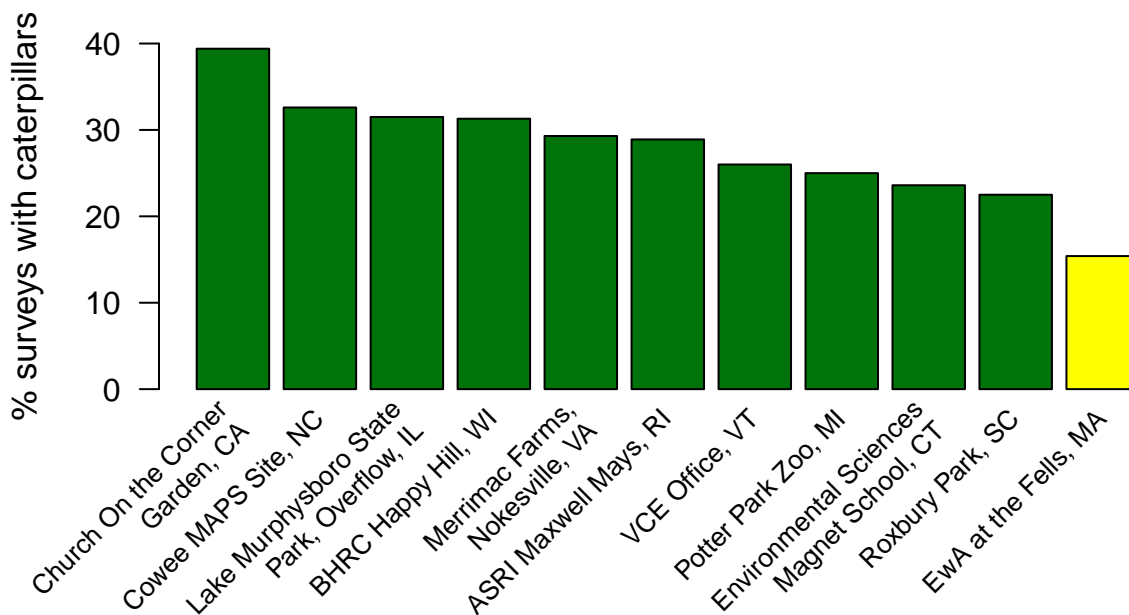
This bottom panel shows, of the arthropods found on a given plant species, what proportion were from each taxonomic group. At most, only the top 25 plant species are shown.

## Broader Patterns

Thanks to participants like yourself, **Caterpillars Count!** observers have now submitted a total of **358,184** arthropod observations—including **23,494 caterpillars**—from **274** different sites.



Across all surveys ever done at **EwA at the Fells**, caterpillars have been found **15.4%** of the time, which ranks **31st** across the **204** sites with  $\geq 20$  surveys. The top 10 sites are shown for comparison.



Caterpillar occurrence and phenology vary as a function of climate, land cover, tree species, and other local factors, and **your data** are helping us understand this variation and what it might mean for birds. Thank you for participating in **Caterpillars Count!**

## Expert Identifications

Your site has submitted **2,863 Caterpillars Count!** photos which ranks **3rd** out of the **191** sites with photos. You can check them all out at the site's **iNaturalist page**. Based on these photos, experts on **iNaturalist** have identified the following taxa, including at least **92** unique species. Taxa seen for the first time this year are marked with a \*.

### Caterpillars

#### Depressariidae

- Antaeotricha schlaegeri*
- Machimia tentoriferella*

#### Erebidae

- Halysidota tessellaris*
- Lymantria dispar*

#### Gelechiidae

- Arogalea cristifasciella*

#### Geometridae

#### Gracillariidae

- Cameraria* sp.
- Phyllonorycter basistrigella*
- Caloptilia paradoxum*

#### Noctuidae

- Acronicta increta*
- Acronicta lithospila*
- Feralia* sp.
- Pyreferra* sp.
- Amphipyra pyramidoides*
- Morrisonia latex*

#### Notodontidae

- Cecrita guttivitta*
- Heterocampa obliqua*
- Nadata gibbosa*

#### Psychidae

- Psyche casta*

#### Sphingidae

- Paonias excaecata*

#### Tischeriidae

- Coptotriche badiiella*

### Moths, Butterflies

#### Gelechiidae

#### Geometridae

#### Gracillariidae

- Marmara* sp.
- Phyllocnistis* sp.

#### Oecophoridae

#### Mathildana newmanella

#### Promalactis suzukiella

#### Psychidae

- Psyche casta*

#### Tortricidae

- Acleris* sp.\*
- Olethreutes fasciatana*
- Argyrotaenia alisellana*

### Spiders

#### Agelenidae

#### Anyphaenidae

- Anyphaena* sp.
- Wulfila* sp.

#### Araneidae

- Araniella displicata*
- Mastophora* sp.

#### Dictynidae

- Emblyna* sp.

#### Hahniidae

#### Linyphiidae

- Florinda* sp.
- Pityohyphantes* sp.

#### Nerienne radiata

#### Mimetidae

- Mimetus* sp.

#### Philodromidae

- Philodromus* sp.

#### Salticidae

- Hentzia mitrata*
- Synemosyna formica*

#### Tetragnathidae

- Tetragnatha* sp.
- Leucauge venusta*

#### Theridiidae

- Theridion* sp.
- Parasteatoda tepidariorum*

#### Thomisidae

- Tmarus angulatus*\*

#### Misumessus oblongus

### Grasshoppers, Crickets

#### Acrididae

- Melanoplus* sp.

#### Gryllidae

- Hapithus saltator*

#### Oecanthidae

- Oecanthus* sp.

#### Tettigoniidae

- Scudderia* sp.

- Meconema thalassinum*

### True Bugs

#### Lygaeidae

- Kleidocerys* sp.

#### Miridae

- Hyaliodes harti*
- Neolygus* sp.
- Neurocolpus* sp.
- Phytocoris* sp.

#### Pentatomidae

- Dendrocoris humeralis*

#### Phymatidae

- Phymata* sp.

#### Reduviidae

- Zelus luridus*

#### Tingidae

- Corythucha* sp.
- Stephanitis takeyai*\*

### Leafhoppers, Cicadas

#### Acanaloniidae

- Acanalonia conica*

#### Cicadellidae

- Eratoneura* sp.
- Jikradia olitoria*
- Ossiannilssonola australis*
- Rugosana querci*

#### Derbidae

Cedusa sp.  
Membracidae

### Aphids, Scales

Adelgidae\*  
Aphididae

### Beetles

Aderidae  
Syzeton subfasciatus  
Anthribidae  
Artematopodidae  
Attelabidae  
Synolabus bipustulatus  
Buprestidae  
Agrilus sp.  
Brachys aeruginosus  
Brachys ovatus  
Cantharidae  
Podabrus sp.  
Rhagonycha angulata  
Tytthonyx erythrocephala  
Cerambycidae  
Strangalia famelica  
Chrysomelidae  
Systema sp.  
Baliosus nervosus  
Cleridae  
Phyllobaenus sp.  
Coccinellidae  
Hyperaspis sp.  
Coleomegilla maculata  
Cryptolaemus montrouzieri  
Harmonia axyridis  
Curculionidae  
Monarthrum sp.  
Cyrtepidomus castaneus  
Eulechriops minuta  
Odontopus calceatus

Polydrusus formosus  
Pseudoedophrys hilleri  
Strophosoma melanogrammmum  
Elateridae  
Melanotus sp.  
Horistonotus curiatus  
Idolus bigeminatus  
Limonium basilaris  
Limonium quercinus

Eucnemidae  
Lampyridae  
Ellychnia corrusca  
Lycidae  
Leptocleptes basalis  
Melandryidae  
Mordellidae  
Mordella marginata  
Mordellistena trifasciata  
Mycetophagidae  
Litargus tetraspilotus  
Scirtidae  
Contacyphon sp.  
Scirtes tibialis  
Scraptiidae  
Anaspis sp.  
Tenebrionidae

### Bees, Wasps

Argidae  
Bethyidae  
Braconidae  
Cynipidae  
Melikiaiella sp.  
Diapriidae  
Belyta sp.  
Eulophidae\*  
Eurytomidae  
Evaniidae  
Evaniella semaeoda

Figitidae  
Ichneumonidae  
Pergidae  
Acordulecera sp.  
Tenthredinidae  
Caliroa sp.  
Craterocercus sp.  
Profenusa sp.  
Vespididae  
Polistes fuscatus  
Vespula flavopilosa  
Vespula maculifrons  
Vespula vidua  
Choreutidae\*

### Ants

Formicidae  
Formica fusca  
Formica neogagates  
Formica neogagates-group  
Temnothorax schaumii  
Temnothorax curvispinosus  
Camponotus nearcticus  
Camponotus pennsylvanicus  
Crematogaster sp.  
Dolichoderus sp.  
Tapinoma sessile

### Flies

Agromyzidae  
Anthomyiidae  
Asilidae  
Efferia aestuans  
Bibionidae  
Cecidomyiidae  
Ceratopogonidae  
Chaoboridae  
Chaoborus punctipennis  
Chironomidae

Chyromyidae  
 Culicidae  
 Dolichopodidae  
     Condylostylus caudatus  
     Chrysotus sp.  
     Dolichopus sp.  
     Gymnopternus flavus  
     Gymnopternus maculiventris  
 Hybotidae  
     Platypalpus sp.  
     Stilpon sp.  
 Lauxaniidae  
     Homoneura sp.  
     Minettia sp.  
 Limoniidae  
 Muscidae  
     Neodexiopsis calopyga  
 Phoridae  
 Rhagionidae  
     Rhagio mystaceus  
 Sarcophagidae  
 Sciaridae  
 Tipulidae  
 Liviidae  
 Raphidophoridae

Sympetrum vicinum  
 Opiliones  
     Leiobunum vittatum  
 Psocodea  
     Polypsocus corruptus  
 Psocidae  
 Psocoptera  
     Polypsocus  
 Trichoptera  
     Leptoceridae  
 Trombidiformes  
     Anystis

### Other observations

Blattodea  
     Ectobius pallidus  
     Ectobius  
 Neuroptera  
     Chrysoperla  
     Chrysopidae  
     Coniopterygidae  
 Odonata  
     Lestes  
     Pachydiplax longipennis  
     Sympetrum

Thank you for participating in **Caterpillars Count!** For a more in-depth exploration of the data check out our **Maps & Graphs page**. The raw data from your site, or any site, can be downloaded **here!**

We can't wait to see what you find next year!



Spicebush swallowtail caterpillar, *Papilio troilus*, observed by *tem1691* on August 22, 2025 at **Lake Murphysboro State Park, Overflow**, Illinois.

**Allen Hurlbert**

Director

*Caterpillars Count!*

caterpillarscount@gmail.com