

Caterpillars Count!

2018 End of Season Summary

Great Smoky Mountains Institute at Tremont

Thanks for participating in **Caterpillars Count!** this year! Here we provide a summary of what was found at your site this year. 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!](#)

Site Statistics

Great Smoky Mountains Institute at Tremont joined **Caterpillars Count!** in **2014** and has **40** survey branches spread across **8** survey circles. This season (as of 29 September):

- **4** unique participant(s) at your site
- conducted **0** visual and **329** beat sheet surveys
- on **9** different dates
- observing a total of **451** arthropods
- including **29** caterpillars (present on **7.6%** of surveys).
- Across all years, **8** unique participants have conducted **850** total surveys.

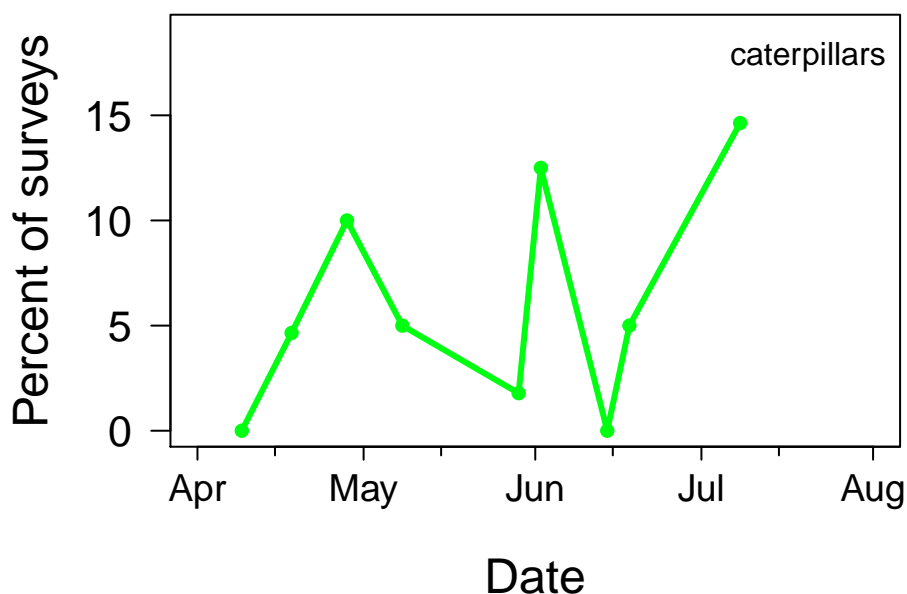
The **329** total surveys conducted at **Great Smoky Mountains Institute at Tremont** this year ranks **13rd** out of the **30** sites that participated in 2018.

Top Participants of 2018

User	Surveys	Arthropods	Caterpillars	% Caterpillars
S Croslin	167	198	5	2.99
C Dattilo	151	225	23	10.60
J Daniel	10	22	1	10.00
T Beachy	1	6	0	0.00

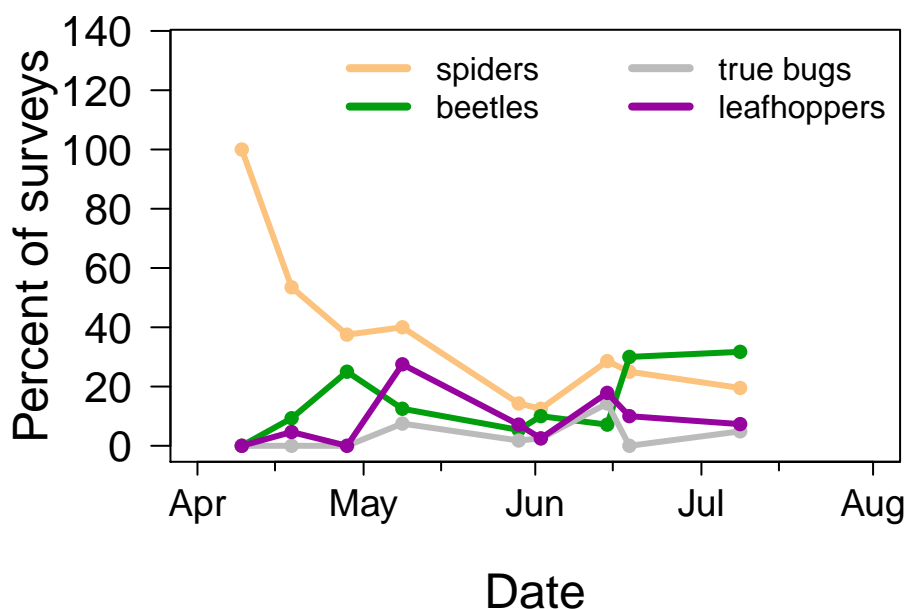
Caterpillar Phenology

As a major source of food for nestlings of migratory birds, we are especially interested in the timing of caterpillar availability. At **Great Smoky Mountains Institute at Tremont**, caterpillar occurrence peaked at **14.63%** of surveys on **8 July**. Do you see other peaks as well?



Other Arthropod Phenology

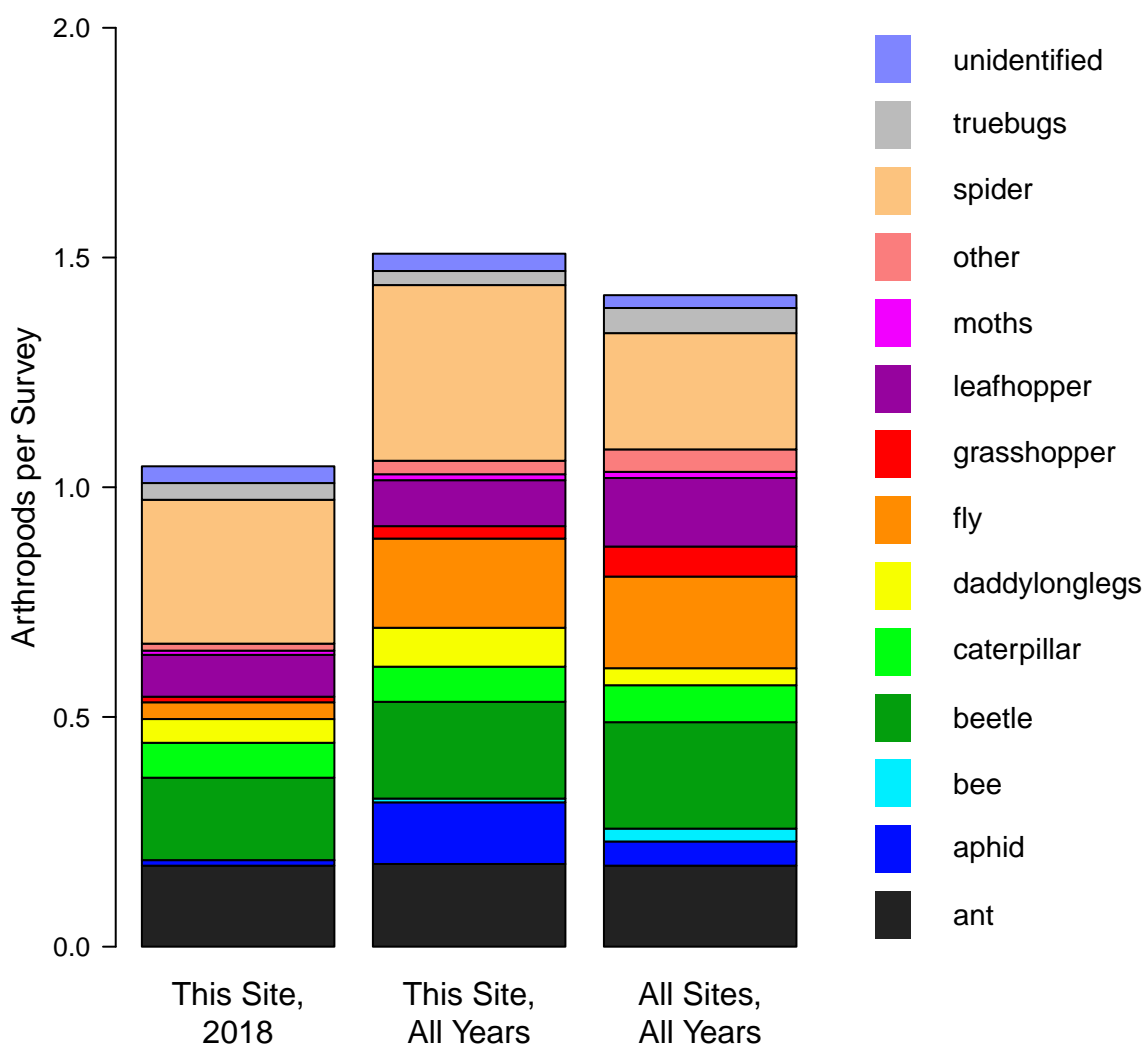
While caterpillars tend to have pronounced seasonal peaks, other groups are more variable. What patterns do you see below? You can explore the phenology of other groups on the [Caterpillars Count! website](#).



Site Arthropod Composition

Some arthropods are more commonly encountered than others. See how what was found *this year (left bar)* compares to the breakdown for all years at your site (*middle bar*; it will be identical if you've only collected data for 1 year), and compared to what has been found across all sites in the **Caterpillars Count!** network (*right bar*).

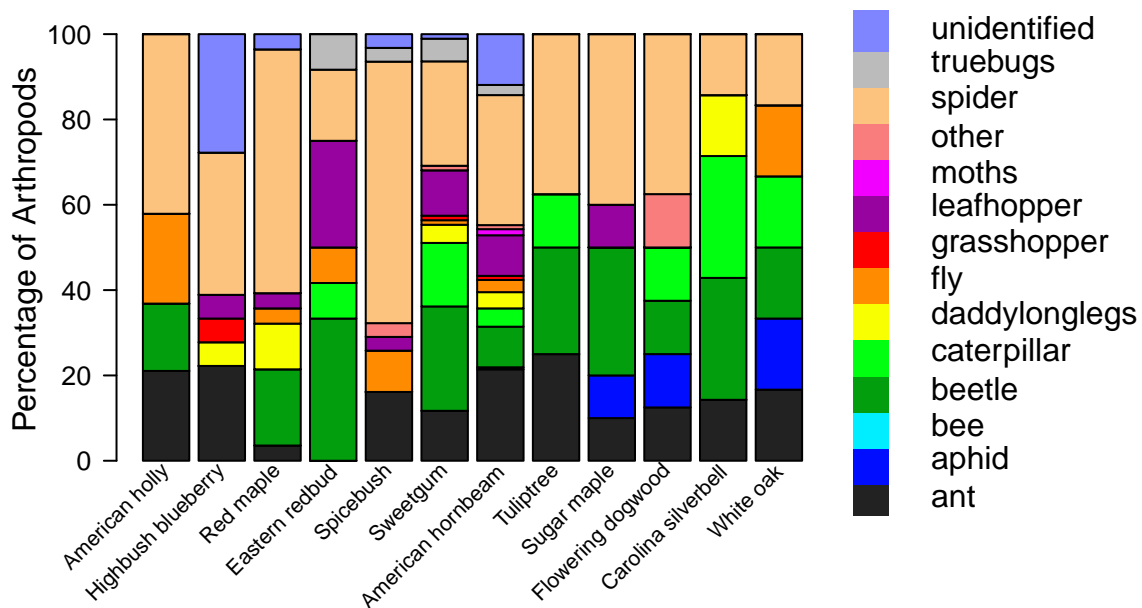
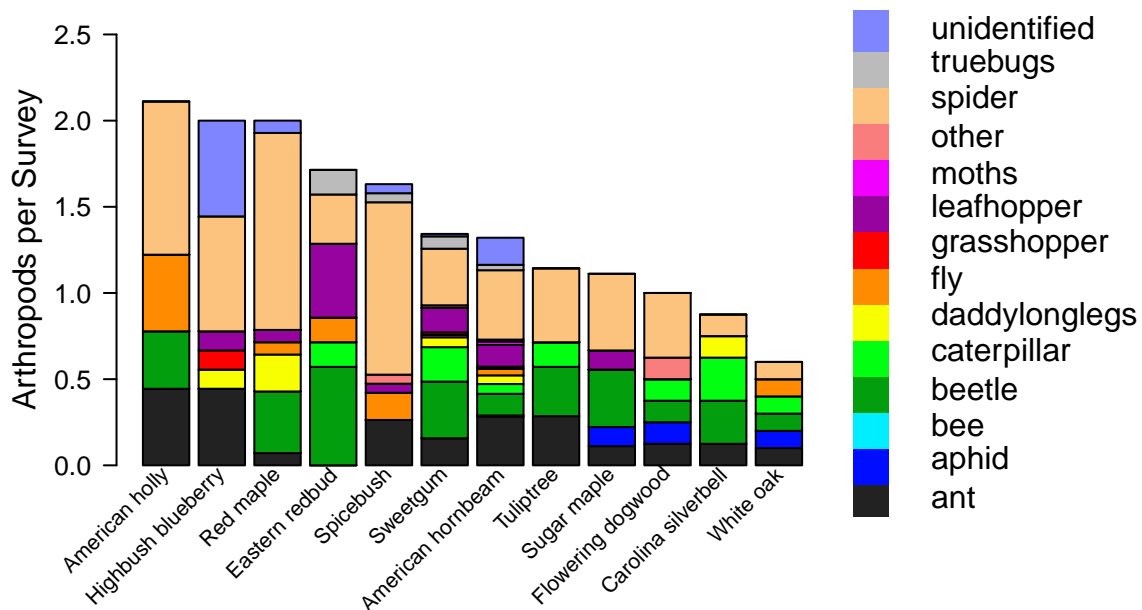
- What are the most common arthropod groups found at your site?
- Has that varied by year?
- Is anything noticeably different about **Great Smoky Mountains Institute at Tremont** compared to all other participating sites?



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? 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?



Thank you for participating in **Caterpillars Count!** Can't wait to see what you find next year!

EXPLORE YOUR DATA FURTHER ON THE [CATERPILLARS COUNT! WEBSITE!](#)