

*** Entry forms must be submitted no later than Sunday, September 19, 2021 to enter the contest. You may email the form to Stephanie Blevins at slblevin@vt.edu or mail it to 460 West Campus Drive, 302 Agnew Hall, Blacksburg, VA 24060. Please visit hokiebugfest.org for more information about Hokie BugFest.***



Hokie BugFest (October 2, 2021)



It's time to get collecting!! Start an insect collection and have it judged for Hokie BugFest on October 2, 2021. The festival will occur virtually this year, and collections will be judged at SEEDS Nature Center in Blacksburg, Virginia.

Collect as many insects as you can, identify them as accurately as possible, pin them carefully, and arrange them in a display box. Each collection should have a total of 50 specimens. Double-check your identifications with Bugguide.net.

Scoring guidelines:

Insect Collection Grading Areas	Possible Points
50 insects representing at least 6 of the following groups: pollinators, decomposers, plant feeders, urban pests, aquatic, medically important, predatory, seasonal/invasive insects	25
Correct identification of insects to order (Diptera, Coleoptera, etc.): use Latin (scientific) names	25
Correct pinning technique: as shown in the 4-H activity book	20
Specimen quality: most body parts present, not smashed or faded	15
Display quality: arrangement of insects, attractive display, viewable case	15
Bonus: judge's discretion based on overall effort level and creativity	10
Total	110

Age groups:

Junior Collectors: Ages 8 to 13

Senior Collectors: Ages 14 to 18

Winners:

Collections will be awarded first, second, and third place in each age category based on the scoring guidelines. The top collection will be awarded "Best in Show" and will receive a grand prize. All participants and their collections will receive recognition!!

Who can enter:

Any individual, team, or group is eligible. Group or team entries are encouraged. Individuals within groups can contribute their best specimens to the collection, which is judged as a team entry. Entries should include the name of the individual/team/group, the county, and the contact person for that group (with phone number and email address).



Virginia Cooperative Extension programs and employment are open to all, regardless of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, veteran status, or any other basis protected by law. An equal opportunity/affirmative action employer. Issued in furtherance of Cooperative Extension work, Virginia Polytechnic Institute and State University, Virginia State University, and the U.S. Department of Agriculture cooperating. Edwin J. Jones, Director, Virginia Cooperative Extension, Blacksburg, VA; M. Ray McKinnis, Administrator, 1890 Extension Program, Virginia State University, Petersburg.



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How to enter:

Fill out the attached entry form and email it to slblevin@vt.edu by September 19. Submit your collection to the SEEDS Nature Center in Blacksburg, Virginia. Entries will be judged and winners will be announced on the 2021 Hokie BugFest website on October 2. Collection drop-off and pick-up times will be announced on hokiebugfest.org closer to the event. Any collection that is not picked up by the time frame specified after the event will be donated to the Entomology Department at Virginia Tech.

Suggested supplies:

Foam, pins, magnifying glass, and killing jar (a mason jar with a paper towel and a little nail polish remover works well). Make sure to pin insects from your kill jar right away or store them in the freezer until you are ready to pin them. See the 4-H activity book “Adventures with Insects” for tips on finding, collecting, and pinning insects.

Resources:

Visit hokiebugcamp.org and hokiebugfest.org for additional information and resources like the 4-H publication *Adventures with Insects* and the *Hokie BugCamp Key to Insect Orders* (downloadable from either of these websites). Check your local library for field guides and insect books!

Good places to collect:

- State and local parks
- Hiking trails
- Around ponds and lakes
- Local gardens and fields
- Forests
- Agricultural and livestock fields
- Outside YOUR house!
- You will have to GET OUTSIDE!!!

Questions: Contact Stephanie Blevins Wycoff at (540) 231-6543 or slblevin@vt.edu.

WARNING: Be careful collecting insects such as wasps, bees, velvet ants, and Asian needle ants that may sting or bite. Do not go on private land without the owner’s permission. Ask your parents or guardians before going bug hunting, and be aware of your surroundings. Watch out for mosquitoes, ticks, and spiders such as black widows. If you have known allergies to bees or other insects, this contest may not be for you. Have fun and be safe!

See page 3 for collection contest entry form.

See page 4 for groups of commonly found insects.

See page 5 for insect collection labels.



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4-H Insect Collection Entry Form Hokie BugFest (October 2, 2021)

Contact Person for Individual / Team / Group Collection

Name: _____ Phone #: _____

Email: _____ County and State: _____

Individual / Group Information

Name or Team / Group Name: _____

Age Group (Circle One): Jr. Collectors (8-13) Sr. Collectors (14-18)

Names of Collectors: _____

For team/group collections, if you cannot fit all names above, please attach a separate sheet with names to identify all participants.

----- **DO NOT FILL OUT BELOW DOTTED LINE, JUDGES ONLY** -----

Scoring guidelines:

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Pollinators:

- Lepidoptera (butterflies, moths)
- Hymenoptera (wasps, bees, ants)
- Coleoptera (beetles)
- Diptera (flies)

Decomposers:

- Hymenoptera (ants)
- Diptera (flies)
- Blattodea (cockroaches, termites)
- Coleoptera (beetles)
- Microcoryphia (bristletails)

Plant Feeders:

- Hemiptera (cicadas, stink bugs, leafhoppers, etc.)
- Coleoptera (beetles)
- Dermaptera (earwigs)
- Hymenoptera (sawflies, horntails, bees)
- Lepidoptera (butterflies, moths)
- Phasmida (walking sticks)
- Orthoptera (grasshoppers, crickets, katydids)

Urban Pests:

- Blattodea (cockroaches, termites)
- Hemiptera (bed bugs, stink bugs)
- Coleoptera (lady bird beetles)
- Siphonaptera (fleas)
- Hymenoptera (carpenter bees, hornets, ants, etc.)

Aquatic:

- Megaloptera (dobsonflies)
- Plecoptera (stone flies)
- Odonata (dragonflies, damselflies)
- Mecoptera (scorpionflies)
- Coleoptera (diving beetles)
- Trichoptera (caddisflies)

Medically Important:

- Diptera (mosquitoes)
- Siphonaptera (fleas)
- Phthiraptera (lice)
- Hymenoptera (wasps, bees, ants)

Predatory:

- Mantodea (praying mantis)
- Hymenoptera (parasitoid wasps)
- Hemiptera (assassin & ambush bugs)
- Coleoptera (rove beetles, lady bird beetles, ground beetles, etc.)
- Odonata (dragonflies, damselflies)
- Dermaptera (earwigs)
- Neuroptera (lacewings, antlions)

Seasonal & Invasive Insects:

- Hemiptera (periodical cicadas, brown marmorated stink bugs, spotted lanternfly, etc.)
- Hymenoptera (honey bees, European hornet, fire ants, Asian needle ants, etc.)
- Coleoptera (Asian longhorn beetle, emerald ash borer, etc.)
- Lepidoptera (gypsy moth, squash stem borer, etc.)

Insect Order Labels

Group insects by order, and place label at the bottom of each group.

Microcoryphia	Blattodea	Coleoptera	
Zygentoma	Dermaptera	Mecoptera	
Odonata	Plecoptera	Siphonaptera	
Megaloptera	Psocoptera	Diptera	
Phasmida	Phthiraptera	Trichoptera	
Orthoptera	Hemiptera	Lepidoptera	
Mantodea	Neuroptera	Hymenoptera	

Insect Labels

Top Tag: Location, date, and name of collector

Bottom Tag: Insect order and common name (or family)

Ex.

(Top Tag)

(Bottom Tag)

Montgomery Co., VA
May 15, 2011
John Doe

Hemiptera
Green Stink Bug

(Top Tag)

(Bottom Tag)

(Top Tag)

(Bottom Tag)

(Top Tag)

(Bottom Tag)
