

*** Entry forms must be submitted no later than Friday, September 20, 2019 to enter the contest. You may e-mail 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 www.hokiebugfest.org/ for more information about Hokie BugFest. ***



Hokie BugFest (October 5, 2019)



It's time to get collecting!! Start an insect collection and have it judged at Hokie BugFest on October 5th. The festival will be held from 10 a.m. to 5 p.m. at the Squires Student Center at Virginia Tech in Blacksburg, Virginia.

Collect as many insects as you can and identify them as accurately as possible. Pin them or store them in your freezer until you are ready to pin them. Each collection should have a total of 50 specimens. Check your identifications with Bugguide.net.

Scoring guidelines:

Insect Collection Grading Areas	Possible Points
50 insects: representing at least 6 out of 8 listed groups	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: has most body parts, 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 accuracy; identification of insect importance	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 4-H club, classroom, or individual 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 4-H club/classroom/individual, the county, and the contact person for that group (with phone number and email address).



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How to enter:

Fill out the attached entry form and e-mail it to sblevin@vt.edu by September 20th. Submit your collection to the Museum Room in the Commonwealth Ballroom at Hokie BugFest between **10 a.m. and noon**. Entries will be judged at **2 p.m.** on October 5th. Collections may be picked up after judging and awards are complete.

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:

"Adventures with Insects" – 4-H Activity Book

<http://pubs.ext.vt.edu/444/444-408/444-408.html>

Also, check your local library for field guides, insect books, and other resources!

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: (540) 231-6543 or sblevin@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 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 5, 2019)

Contact Person for 4-H Club / Classroom / Individual

Name: _____ Phone #: _____

Email: _____ County: _____

4-H Club / Classroom / Individual Information

Name or Group Name: _____

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

Names of Collectors: _____

***For group/classroom collections, if you cannot fit all names above, please attach a separate sheet with names to identify how many students participated. ***

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

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Correct pinning technique as shown in activity book		20
Specimen quality: has most body parts, 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 accuracy; identification of insect importance		10
Total		110



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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: *Place in Bottom of Box to Group Insect Orders*

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

Collection Labels:

Top Tag: Location, Date, & Name of Collector

Bottom Tag: Insect Order & 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)
