

ENTOMOLOGY

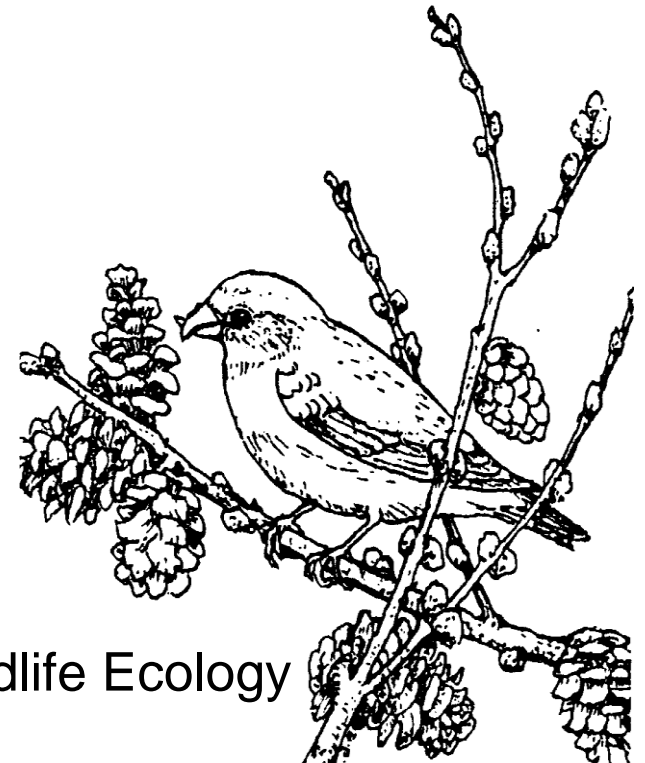
Is the study of...



INSECTS!

Where do the Tasty Caterpillars Hide?

Do birds care what kind of tree is in your yard?



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2008

A Little History

- When the settlers first came to the New World this is what they saw...
- The forests were so huge, that **a squirrel** could travel from Maine to the Mississippi and **never touch the ground**.



Are there enough places for animals?

54% of the U.S. has been converted to cities or suburbs - Rosenzweig 2003

Two million acres are still lost to development each year - Nature Conservancy







wood thrush photo by Doug Tallamy

Trees, Birds and Caterpillars



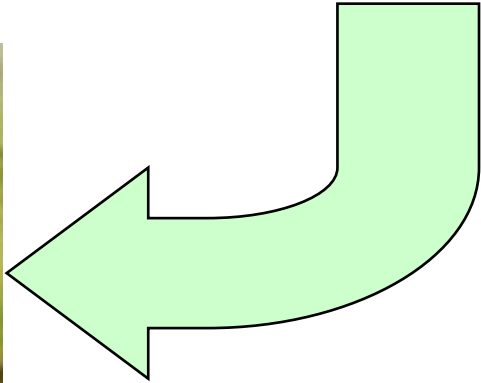
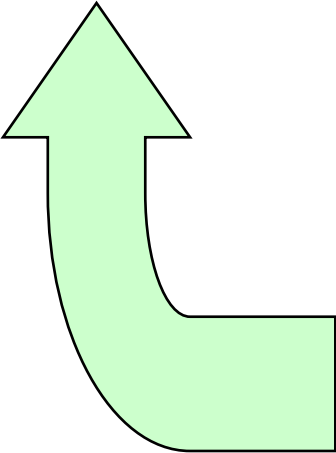
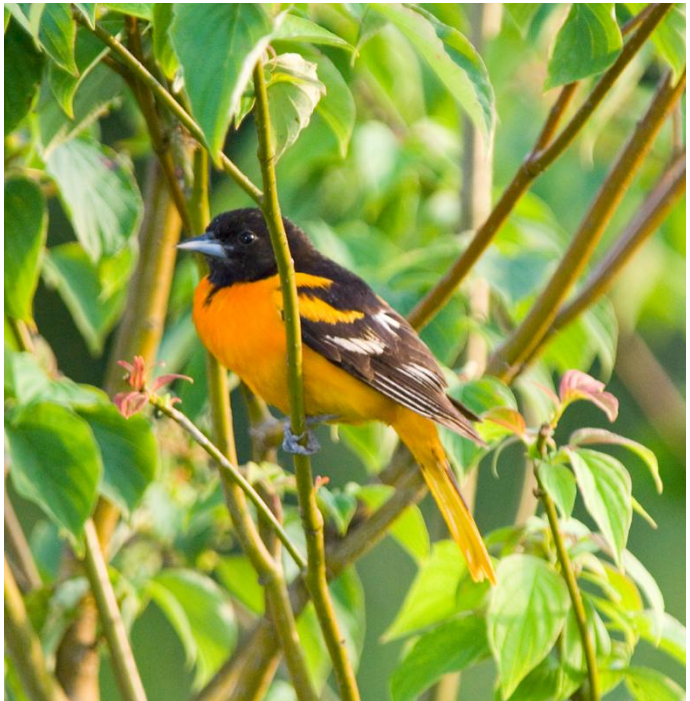
What do baby birds eat?

Where do they get their food?

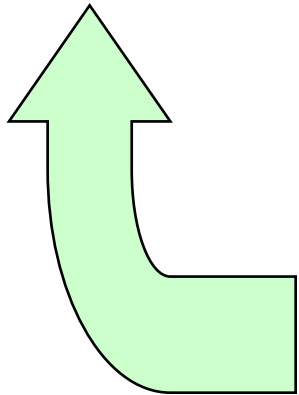
Do caterpillars care what kind of plant they eat?

I think that they do!

Catalpa - Native



Kudzu – Alien



Aliens?



How do I do this?

- I count birds that are looking for caterpillars on 7 kinds of trees
- Under each tree I put a big piece of cloth. I use it to collect caterpillar frass. (poop)
- What do you think I do with the poop?



I count it!



But why???

More poop = more caterpillars

I compare the amount of poop to the amount of birds I counted eating on the tree.

Then I know if the birds forage on trees where more caterpillars are eating.

I have found (so far) that birds prefer NATIVE not ALIEN trees! - They have more caterpillars.

Questions?

Camel Cricket



Black Widow Spider



http://commons.wikimedia.org/wiki/File:Black_widow_ventral_1370.jpg

Male Carpenter Bee

