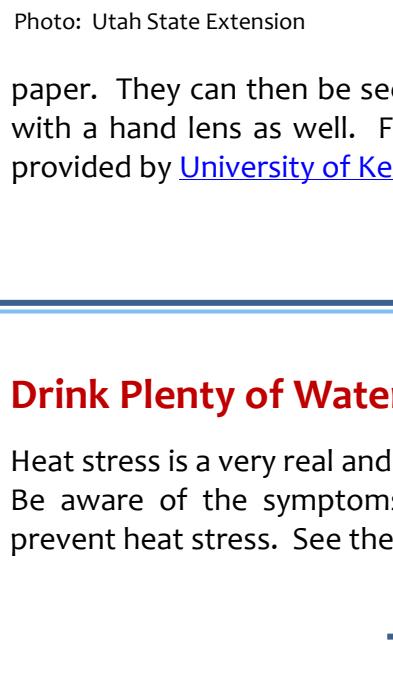


Next Week's Heat Wave may Accelerate Mite Problems

The heat wave currently hitting much of the Great Plains is expected to head our way next week. This means that current spider mite problems are only going to worsen as high temperatures greatly accelerate mite development. For example, some spider mites can complete a full generation within only four to seven days if temperatures are high. Examples of warm-season spider mites are listed below.



Honeylocust spider mites

Photo: Utah State Extension

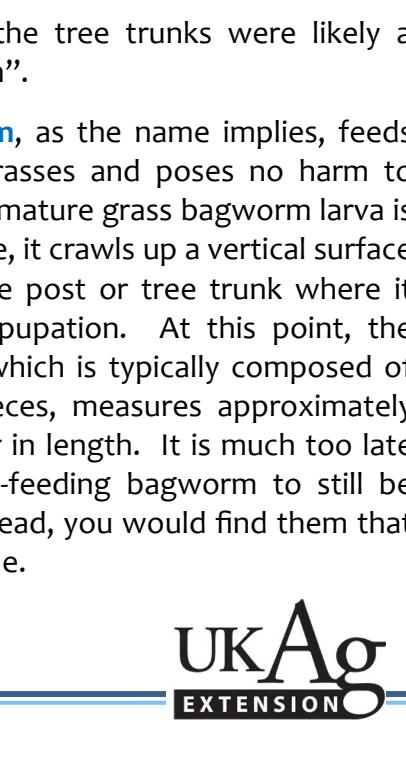
To monitor for spider mites, hold a white sheet under a branch and shake or tap the branch. This will dislodge the mites and cause them to fall onto the paper. They can then be seen as tiny moving specks. You can get a little better look with a hand lens as well. For more information about spider mites, see the articles provided by [University of Kentucky](#) and [Colorado State](#).

Two-spotted spider mite on a broad range of hosts

European red mite on flowering fruit trees

Maple spider mite on maples

Honeylocust spider mite on honeylocust



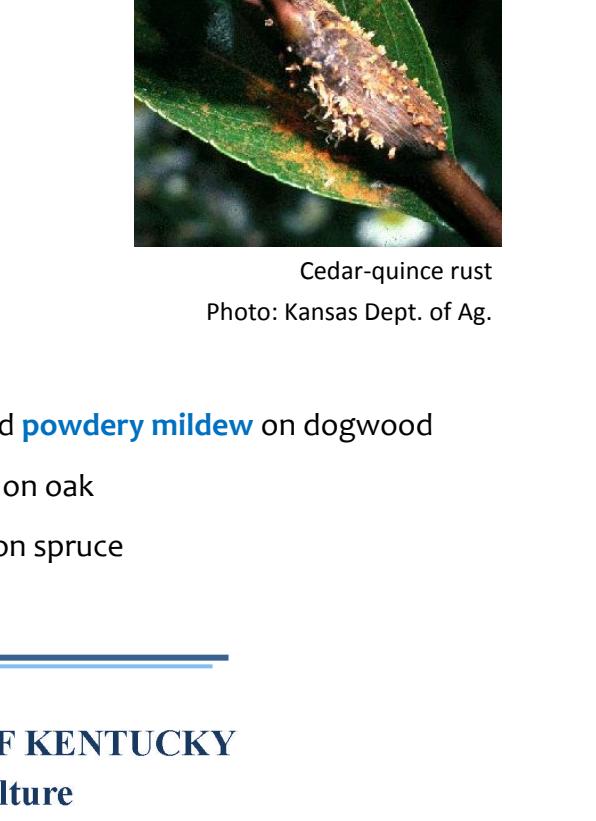
Drink Plenty of Water!

Heat stress is a very real and serious medical condition. Be aware of the symptoms and ways that you can prevent heat stress. See the CDC article, [Heat Stress](#).

The Well-known Bagworm and that Other One

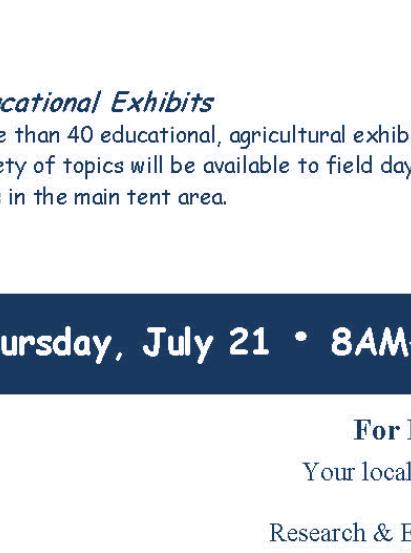
Bagworm is such a well-recognized insect. It has unique biology and behavior, and its "bag" is easily spotted when the insect has reached its mature size.

But, yesterday, I was told about an infestation of small bagworm larvae that had taken up residency on the trunks of several field-grown sugar maples. This is not typical of common bagworm larvae, which feed on foliage, not tree bark. Instead, these small bagworms on the tree trunks were likely a completely different species, known as "grass bagworm".



Cases of young bagworm larvae

Photo taken June 9, 2011



Grass bagworm, as the name implies, feeds primarily on grasses and poses no harm to trees. When a mature grass bagworm larva is ready to pupate, it crawls up a vertical surface such as a fence post or tree trunk where it completes its pupation. At this point, the insect's case, which is typically composed of small grass pieces, measures approximately one centimeter in length. It is much too late for the foliage-feeding bagworm to still be this small. Instead, you would find them that size in early June.



Recent findings of the UK Plant Disease Diagnostic Lab:

Cercospora leaf spot on astilbe



Mycosphaerella leaf spot on iris

Fusarium stem rot on geranium

Pestalotia twig blight on arborvitae

Septoria leaf spot on birch

Cedar-quince rust on hawthorn

Armillaria root rot on hydrangea

Anthracnose on maple

Fusarium wilt on mimosa

Spot anthracnose, Septoria leaf spot, and powdery mildew on dogwood

Anthracnose and Monochaetia leaf spot on oak

Rhizosphaera and Stigminia needlecast on spruce



Cedar-quince rust

Photo: Kansas Dept. of Ag.



FIELD DAY 2011

Something for Everyone

You and Your Farm

Agricultural Tours/Topics

Beef Cattle
Tobacco
Forages
Grain Crops Management
Pest Management in Grain Crops
Fertility Management in Grain Crops
Ornamental Crops
Orchard/Vineyard and Small Fruits
Vegetable Crops

Educational Exhibits

More than 40 educational, agricultural exhibits on a variety of topics will be available to field day attendees in the main tent area.

You and Your Family

Family and Consumer Sciences

Events and Exhibits include: Be a Fan, Be a Member!, Building Strong Families for Kentucky, Champion Food Volunteers, Connecting Research with Real Life, Couponing 101, Fruit and Vegetable Taste Testing, Green Cleaning, Have a Holly Jolly Green Holiday, Is Your Family Ready for Natural and Manmade Disasters?, Kentucky for Ghana, Managing in Tough Times, Master Clothing Volunteers, Nutrition Education Programs, OMG! I Need to Use Sunscreen!, Patio Tablescape, Plate It Up!, Recycling in Muhlenberg County, Summer in a Jar, UK Plaid Project, Wheel of Good Nutrition, Pennywise Area Quilt Line and more.

Youth Activities Tent

4-H Youth Development agents, adult leaders, service agencies, and vendors will conduct many hands-on activities and demonstrations to educate youth on agricultural products and farm safety. There will also be a petting/viewing zoo.

Thursday, July 21 • 8AM–3PM (CDT) • Hwy. 91 S. Princeton, KY

For More Information Contact:

Your local Cooperative Extension Service Office

- or -

Research & Education Center (270) 365-7541, ext. 240

<http://ces2.ca.uky.edu/wkrec>