

Watch leaves change color in a matter of seconds. *“A new time-lapse video of over 6,000 leaf photos reveals the biology behind fall foliage. As foliage darkens in the fall, the pigments within the plant matter break down and transform.”*

(Emily Toomey, Smithsonianmag.com)

<https://bit.ly/30RTbEM>

Find out where the fall foliage will be at its peak across the country.

(Natalie B. Compton, Washingtonpost.com)

<https://wapo.st/2IMTXDx>

How Plants Measure Their CO2 Uptake. *“Plants face a dilemma in dry conditions: they have to seal themselves off to prevent losing too much water but this also limits their uptake of carbon dioxide. A sensory network assures that the plant strikes the right balance.”*

<https://bit.ly/2kGvdN8>

Watch the four finalist videos in the 2019 YouTube your entomology contest.

(Entomologytoday.org)

<https://bit.ly/2IPrYTB>

Great Tree Root articles with links to resources:

SelectTree: Right tree right place.

(selecttree.calpoly)

<https://bit.ly/2IMZMkA>

Tree roots and foundation damage.

(The Morton Arboretum.org)

<https://bit.ly/2kqHTaV>

Trees are not the root of sidewalk problems.

(T. Davis Sydnor1, et al; Journal of Arboriculture)

<https://bit.ly/2IHeYzE>

Soil’s Microbial Market Shows the Ruthless Side of Forests. *“In the ‘underground economy’ for soil nutrients, fungi strike hard bargains and punish plants that won’t meet their price.”*

(Gabriel Popkin, Quantamagazine.org)

<https://bit.ly/2IlmcTU>

Daisies that close at night have camouflaged petals to protect them from herbivores.

(Britishecologicalsociety.org)

<https://bit.ly/2maXuvG>

Professional credentials and gardening expertise: Entomologists

(Colby Moorberg, Gardenprofessors.com)

<https://bit.ly/2Ilmiee>

More info: <https://bit.ly/2lOGtXL>

Tree and shrub sampling for disease diagnosis. Watch the video and learn what makes a good sample for diagnosis.”

(NC State U via youtube.com)

<https://bit.ly/2m52m5j>

Tips for keeping rats out of home and garden.

(Kym Pokorny, OSU; source: Dana Sanchez, OSU)

<https://bit.ly/2maNfrf>

Could biological clocks in plants set the time for crop spraying? *“Plants can tell the time, and this affects their responses to certain herbicides used in agriculture according to new research...”*

(Dr. Antony Dodd, University of Bristol)

<https://bit.ly/2ktmhe4>

See the microscopic wonders of herbs! *“A photographer reveals the intricacies of kitchen herbs. The result is otherworldly.”*

(Rob Dunn, nationalgeographic.com; photos by Martin Oeggerli)

<https://on.natgeo.com/2OXUEs1>

Surprise...bees need meat! *“Ask an entomologist what makes a bee a bee, and you’ll likely get some version of “bees are just wasps that went vegetarian.” New research shows that isn’t true. Bees are actually omnivores, and their meat is microbes.”*

(Paige Embry, scientificamerican.com)

<https://bit.ly/2k6deiK>

The journey of pollen. *“Kiel research team deciphers adhesive mechanisms in pollination.”*

(Kiel University)

<https://bit.ly/2P8DRSZ>