June is for Japanese Painted Fern, Juniper with Cedar-Apple Rust, and June Beetles

Japanese Painted Fern

Japanese painted fern, *Athyrium nipponicum pictum*, is a lovely addition to any shade garden with its delicate, twice-compound, silvery-blue fronds with deep garnet veins. Painted ferns will grow to a height of 18” with a spread of 18 to 24”, making them a great addition the front of a perennial bed or in a rock garden. A deciduous plant, it is hardy to zone 4 but keep in mind that direct sun will scorch its fronds. Image by Susan P. Pelton, UConn.

Juniper with Cedar-Apple Rust

*Juniperus sp.* and *Malus sp.* are co-hosts to the fungal rust disease *Gymnosporangium juniperi-virginianae*. On the small branches of Eastern red cedar, *Juniperus virginiana*, the fungus causes brown to reddish-brown swellings or galls ¼” to 2” in diameter. These galls, commonly called cedar apples, take two years to mature. During rainy periods in May orange gelatinous tendrils or spore horns develop on the galls. These may extend from the gall by as much as 2”. Each gall may have more than one hundred spore horns. In Connecticut, spores are released from the horns until about the middle of June. If a spore
lands on a susceptible apple leaf and environmental conditions are favorable infection can occur in as little as four hours. For additional information on Cedar-Apple rust please visit the link below. Cedar apple image by Joan Allen, UConn.

**Cedar-Apple Rust Disease**

**June Beetles**

June beetles, also known as June bugs, *Cotinus nitida*, can be annoying as they bounce on your window screens, attracted by your house lights. The flying sound of the shiny green or gold adults resembles the buzzing of a bumblebee. The larvae, which crawl along on their backs instead of their tiny legs, eat plant roots and the adult beetles forage on trees and shrubs although they do not seem to cause the excessive damage, especially to turf, associated with Oriental beetles or Japanese beetles. They are also called fig-eaters due to their fondness for ripening figs and other fruits. Image by Susan Ellis, Bugwood.org

**Grub Problems in Turf**

**Connecticut's Historic Gardens Day 2019**

Sunday, June 23rd, 2019 from 12:00 noon to 4:00 p.m. Enjoy this special state-wide celebration of 15 of Connecticut’s stunning historic gardens. Member sites host special events and activities celebrating their gardens. Choose the gardens in your own backyard, or plan a day-trip to see those further afield. Events will take place rain or shine though activities may vary depending on the weather. Florence Griswold Museum image by S. Pelton.

**Historic Gardens Day info**
Ten Tips for the June Gardener

Click on highlighted links for additional information.

- Clematis usually blooms only once each year. After it is finished blooming you can prune it to 12" and it may produce a second flush of growth and flowers. Or just lightly prune to shape and remove damaged and wayward stems. Leave the decorative seed heads.
- Keep on top of weeds during the early summer when they are small and easy to pull. If you keep your garden plants well-watered and fertilized, they will quickly fill in bare spaces and give weeds fewer places to grow.
- You can move houseplants outside to the deck or patio and enjoy them outdoors for the summer. It is best to gradually introduce them to more direct sunlight to prevent the leaves from being burned.
- Plant seeds of bush beans every three weeks for a continuous harvest.
- Harvest early season vegetables including lettuce, radishes and peas when they are at their peak.
- Apply grub control after June 15th.
- Mow lawns often enough to remove no more than one-third the total height per mowing. There is no need to remove clippings unless excessive or diseased.
- June bugs can be annoying as they bounce on your window screens attracted by your house lights. The larvae do eat plant roots and the adult beetles forage on trees and shrubs although they do not seem to cause the excessive damage associated with Oriental beetles or Japanese beetles.
- Continue to use deer and woodchuck controls where necessary.
- Add to, aerate and moisten compost piles to speed decomposition.

For a more extensive list of tips visit Gardening Tips for June
Why You Should Get a Soil Test (and what to do with it when you do)

The Hello Homestead gardening site included the UConn Soil and Nutrient Analysis Lab in their recent article about reasons to get a soil test. Check it out at the link below!

Hello Homestead article

And to Get Your Soil Tested for Macro- & Micro Nutrients:

Send your soil sample in for testing now. Our standard nutrient analysis includes pH, macro- and micro nutrients, a lead scan and as long as we know what you are growing, the results will contain limestone and fertilizer recommendations. The cost is $12/sample. You are welcome to come to the lab with your ‘one cup of soil’ but most people are content to simply place their sample in a zippered bag and mail it in. For details on submitting a sample, go to UConn Soil and Nutrient Laboratory.

Photo by dmp, UConn
Click on the Following Links to Visit Any of Our Sites:

- UConn Extension
- UConn Food Safety
- UConn Home & Garden Education Center
- UConn Plant Diagnostic Laboratory
- UConn Science of GMOs
- UConn Soil & Nutrient Analysis Laboratory

**Connecticut Invasive Plant Working Group (CIPWG)**

Invasive Plant Council: Tuesday, June 25th, 2019 at 2:00 p.m. at the Connecticut Agricultural Experiment Station, Valley Laboratory, 153 Cook Hill Rd, Windsor, CT.

**Invasive Mobile Apps:** Download these Invasive/Early Detection/ Reporting Apps on your mobile device!
**Connecticut Agricultural Experiment Station**

**Greenhouse Biological Control Conference:** Wednesday, June 19th, 2019. Co-sponsored by UConn Extension and hosted in the Jones Auditorium at the Connecticut Agriculture Experiment Station in New Haven. Five pesticide re-certification credits will be offered to attendees. Registration costs $25 and includes lunch, handouts and refreshments.

**Connecticut College**

**Visit the Plant Collections** The Connecticut College Arboretum manages four major plant collections containing 6,195 individual, accessioned living plants.

**Arboretum Garden Tours:** Meet in front of the Olin Science Center at 10 a.m. Tours last 60 to 90 minutes. Free; no registration required:

Native Plant Collection: June 2nd, July 7th, Aug. 4th, Sept. 1st, Oct. 6th, Nov. 3rd

Caroline Black Garden: June 9th, July 14th, Aug. 11th, Sept. 8th, Oct. 13th, Nov. 10th.

**Nature Printing Workshop:** Saturday, June 29, 2019 from 2:00 to 4:00 p.m. at the Buck Lodge. $20 ($15 for members and CT Audubon), registration required. Children under 14 must be accompanied and guided by an adult.

**CT DEEP Programs**

**Forest Owners and Gypsy Moths - Dealing with infestation and mortality:** Saturday, June 8th, 2019 from 9:30 a.m. to 12:00 noon. The Goodwin Center, Hampton, CT.

**Habitat Hike:** Saturday, June 28th, 2019 from 10:00 to 11:00 a.m. at the Kellogg Environmental Center, Derby, CT

**Summer 2019 Riding Lessons**

**Looking for something fun to do this summer? How about horseback riding or polo?**

The University of Connecticut's Animal Science Department offers a summer horseback riding program to the public with something for everyone! Dressage, Hunt Seat, Polo, Western riding lessons and Trail Riding are open to adults and children who meet the minimum age and skill level requirements.
Prior to registering, individuals interested in riding in the trail program who have never ridden in UConn’s trail program, or who have not participated in the trail program for over a year, will be required to take a riding evaluation lesson (one hour assessment, cost $36.25) to confirm their riding level. This assessment needs to be completed one week prior to the session starting.

UConn Summer Riding Program information

UConn Extension

Visit the UConn Animal Barns

Everyone is welcome to explore our animal barns that are open to the public and to learn more about the animals that are used in the Department of Animal Science program. Visitors can see dairy and beef cows, sheep, and horses. The poultry units are closed to the public. Young animals can be found in the barns at the following times of year at barns that are opened to the public: baby foals in the summer in outside paddocks at Horse Unit II, lambs during February and March outside only at Livestock Unit 1, dairy calves year-round at the Cattle Resource Unit and beef calves beginning in mid-March outside at Livestock Unit 1. Every day visitors can view the UConn dairy cows being milked from 12:30 - 3:00 p.m. at the Kellogg Dairy Center.

UConn Garden Master Classes

Garden Master Classes such as the following items are offered through the UConn Extension Master Gardener Program. These classes provide continuing education for Certified Master Gardeners as part of the Advanced Master Gardener certification process. These classes are also open to the General Public. Anyone with an interest in gardening and horticulture is welcome.
The Mindful Gardener: Wednesday, June 5th, 2019 from 10:00 a.m. to 12:00 noon at the Middlesex County Extension Center, Haddam, CT Inst: Victoria Rose DeAngelis.

Using Newcomb's Wildflower Guide & Wildflower Field Walk: Wednesday, June 5th, 2019 from 5:00 to 7:00 p.m. at the Litchfield County Extension Center, Torrington, CT Inst: Donna Katsuranis.

Backyard Invaders: Thursday, June 6th, 2019 from 1:00 to 3:00 p.m. at the Bartlett Arboretum, Stamford, CT Inst: Peter Russell.

Insect Pinning Workshop: Friday, June 14th, 2019 from 2:00 to 4:30 p.m. at the Hartford County Extension Center, Farmington, CT. Inst: Elizabeth Clark.

Bog Flora: Monday, June 17th, 2019 from 1:00 to 3:00 p.m. at the Pond Meadow Natural Area, Killingworth, CT. Inst: Gail Reynolds.

Behind the Scenes at Broken Arrow Nursery: Tuesday, June 18th, 2019 from 5:00 to 7:00 p.m. at the Broken Arrow Nursery, Hamden, CT. Inst: Adam Wheeler

Mushroom Hunting & Amateur Mycology: Wednesday, June 26th, 2019 from 6:30 to 8:30 p.m. at the Tolland County Agricultural Center, Vernon, CT. Inst: Jean Madden-Hennessey

Events around Connecticut

Trail Days Hike at Sessions Woods: Saturday, June 1st at 9:00 a.m. and 1:30 p.m. The morning hike is scheduled for 9:00 a.m. and features a 5-mile hike led by Jan Gatzuras. See above listing for the hike details. The afternoon hike at 1:30 p.m. will be co-led by Burlington Land Trust member Karen Geitz and DEEP Wildlife Division Biologist Peter Picone and is an educational wildlife tour exploring both the flora and fauna at Sessions Woods. Sessions Woods Wildlife Preserve in Burlington, CT.

Heritage Rose Garden Tours: Tuesday, June 4th from 1:00 to 5:00 p.m. Led by Rosarian Stephen Scanniello, Elizabeth Park Rose Garden, 1561 Asylum Avenue, West Hartford, CT.

Rose Garden Tours: Every Wednesday, June 5th to July 3, from 10:00 to 11:00 a.m. with Head Rose Gardener Peter Winne, Elizabeth Park Rose Garden, 1561 Asylum Avenue, West Hartford, CT.

Rose Weekend: Saturday and Sunday, June 15th & 16th, 2019 from 10:00 a.m. to 4:00 p.m. Rose Garden tours, community, cultural, and arts organizations under the tent, and scavenger hunt for the whole family. Elizabeth Park Rose Garden, 1561 Asylum Avenue, West Hartford, CT.

Southport Garden Stroll: Friday, June 7th, 2019 from 10:00 a.m. to 3:00 p.m. Features more than 10 of Southport's finest private gardens. This walking tour starts in the heart of Southport Village at Pequot Library. Pick up your garden card and map, then walk your way through a floral adventure in an idyllic seaside neighborhood. Local garden enthusiasts at each location. $25.

Through the Garden Gate Tour in Manchester: Saturday, June 22nd, 2019 from 9:30 a.m. to 3:30 p.m. Visit six beautiful backyard gardens. Take in stunning perennials, colorful
annuals, fountains, benches, and paths in these unique garden spaces. Rain or shine. $20/$25. Day of the tour tickets for sale at 230 Porter St., Manchester. There will also be a plant sale and garden boutique at this address. Manchester Garden Club.

**Habitat Diversity**: Saturday, June 29th, 2019 fro, 10:00 a.m. to 12:00 noon at the New Canaan Nature Center, New Canaan, CT. $28 for members, $35 for non-members. To register or to explore other class offerings from the Native Plant Trust please visit the link below.

The Million Pollinator Garden Challenge Meets its Mark!

The mission of the National Pollinator Garden Network (NPGN) is to inspire individuals and community groups, institutions and the garden industry to create more pollinator habitat through sustainable gardening practices, habitat conservation and to provide these groups the tools to be successful. They have met and exceeded their goal to get a million registered pollinator gardens since the challenge was issued in 2015 and more than five million acres have been dedicated to new pollinator habitats.

**The NPGN is sending out a new challenge**: plant three pollinator-friendly plants that will bloom in three different seasons (spring, summer, and fall). Suggestions for species can be found at the link to our fact sheet Gardening for Bees below.
The 2019 All-American Selections Edible Vegetable Winner

The Just Sweet pepper is a unique snacking pepper with four lobes like a larger bell pepper, only smaller. Not only are the 3" fruits deliciously sweet with nice thick walls but the plants are vigorous growers (up to 36" tall and 15" wide) that don’t need to be staked because they’ve been bred to have a strong bushy habit. The Just Sweet peppers are exceptionally bright, shiny and a vivid yellow color with a flavor described as sweet with aromatic accents.

KNOWLEDGE TO GROW ON!

FOOD FOR THOUGHT

Broccoli sprout compound may restore brain chemistry imbalance linked to schizophrenia.

Mindfulness helps us digest--and enjoy our food.

US kids aren't eating enough seafood, study says; here's how to add more

CLIMATE CORNER

Nearly a quarter of West Antarctic ice is now unstable.

Breakthrough in new material to harness solar power.

NASA Study: Human Influence on Global Droughts Goes Back 100 Years.

The surprising link between migratory birds and coffee: shifts in coffee farming have left some birds struggling for homes and food.
WHO KNEW?

Why are squids so smart?

New AI sees like a human, filling in the blanks.

Oldest known trees in eastern North America documented.

Key parts of a fruit fly’s genetic makeup have finally been decoded.

UConn Extension Home & Garden Education Center

The UConn Home & Garden Education Center (HGEC) is a horticultural informational resource for the citizens of Connecticut and beyond. The staff at the Center reach nearly 400,000 citizens in outreach efforts each year. We’re ready to assist you.

You are receiving this email because you have provided us with your email address either when having your soil analyzed or testing the horticultural prowess and investigative abilities of our incredibly well-versed staff at the UConn Home & Garden Education Center! If you do not wish to receive our monthly email updates on gardening tips, pest problems, events and other information, please email us at ladybug@uconn.edu and ask to be removed from this list.

We Need Your Support!

If you enjoy our efforts to keep you informed about horticultural and UConn-related items, please show your support by liking us on Facebook, following us on Pinterest or Instagram, checking out our weekly Ladybug blog, or visiting the Home & Garden Education center website.

VISIT OUR WEBSITE

UConn Extension Home & Garden Education Center: We are on a collaborative journey.

How. We co-create knowledge with farmers, families, communities, and businesses. We educate. We convene groups to help solve problems.


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