

MASTER GARDENERS OF GREENE COUNTY HOTLINE TRAINING 8/21/17



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TOPICS

- Kudzu
- Southern Blight
- Iris Borer
- Tortoise Beetle
- Attracting Hummingbirds
- Facility Emergency Management Plan
- Upcoming Events

22nd Annual

Japanese Fall Festival

日本秋祭り

FRIDAY-SUNDAY, SEPTEMBER 8-10

Fri., 5-10 p.m. \$10 Adult / \$3 children 12 yrs. & under	Sat., 11 a.m.-10 p.m. \$15 Adult / \$3 children 12 yrs. & under	Sun., 11 a.m.-6 p.m. \$10 Adult / \$3 children 12 yrs. & under
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Mizumoto Japanese Stroll Garden
at Nathanael Greene/Close Memorial Park, 2400 S. Scenic Ave.

Special Guest Performances and Activities:



The PARK
SPRINGFIELD-GREENE COUNTY PARK BOARD



SISTER CITIES
Peace Through People
Springfield, Missouri



ARTS COUNCIL



Friends
of the Park

Shuji Tabuchi (Saturday, Sept. 9, 7 p.m.)
Osuwa Takio Drumming
Japanese Story Teller Karin Amano
Seiran Japanese Calligraphy
Hiroshi Tada Top Spinner
Springfield Aikido and Tracy's Karate
Children's crafts and games

Cultural hands-on activities from
Springfield Sister City, Isesaki, Japan
Interactive folk dancing with Kizuna
Fish printing, origami and calligraphy
Authentic Japanese foods, tea and gifts
Candlelight Stroll after dark Fri. & Sat.
Tea Ceremonies

KUDZU

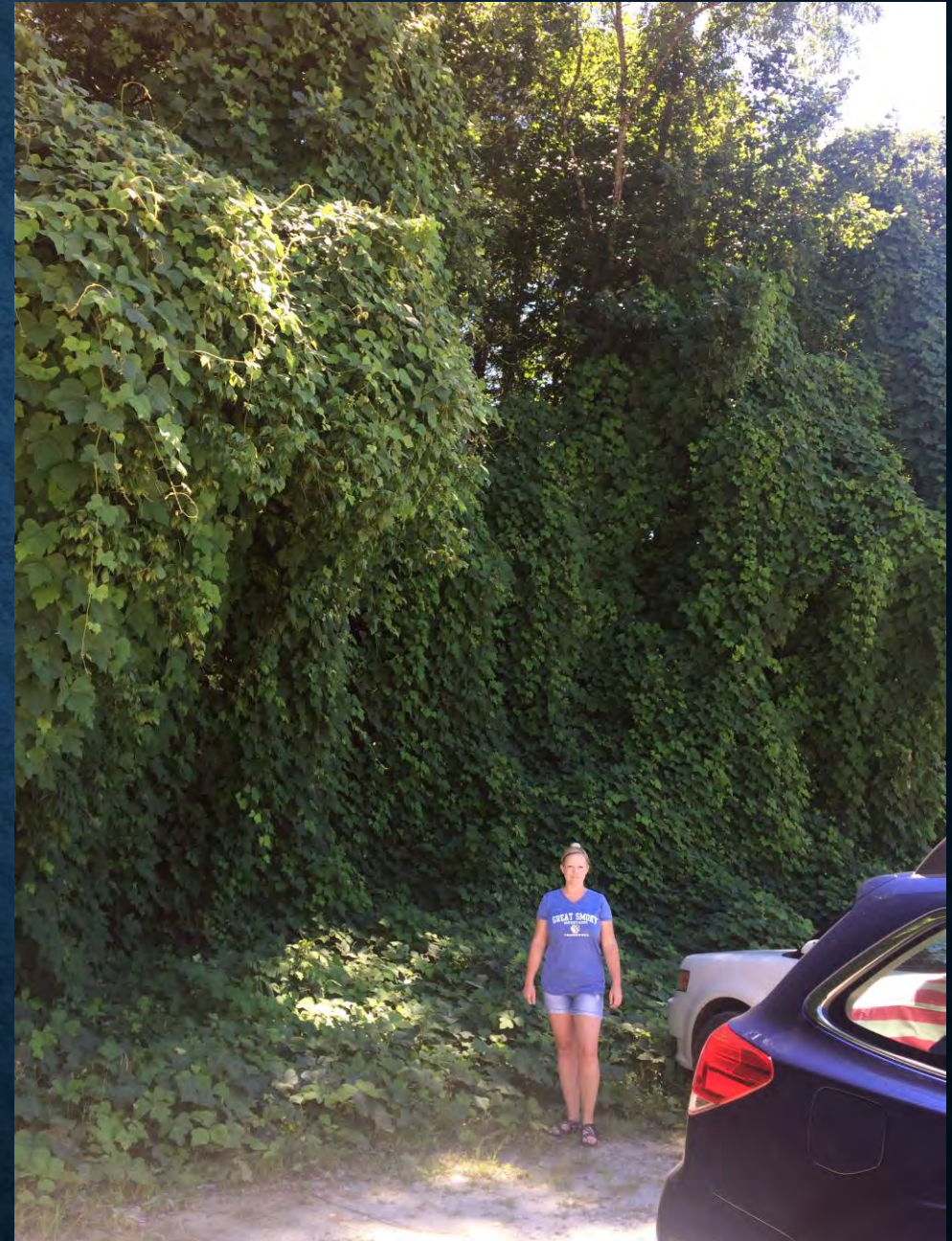


- *Pueraria lobata*; perennial, aggressive, climbing or trailing leguminous vine
- Stems have bronze colored hair, leaves are large and irregularly lobed
- Mature vines become woody and lose the hair
- Grows up to 12" a day
- Reproduces by extensive root system
- Flowers are reddish purple and resemble wisteria flowers
- Primarily found in the southernmost tier of Missouri
- Noxious weed listed in Missouri and many other states



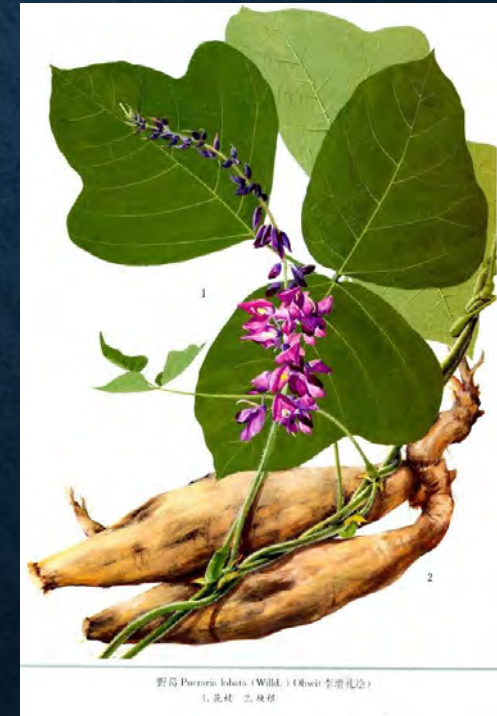
KUDZU

- In 1876, the Japanese government exhibited kudzu as an ornamental vine at an exposition in Philadelphia
- It has since been used as a forage and to provide erosion control
- The Soil Conservation Service (now called NRCS) planted Kudzu extensively in the 1930's



CONTROL OF KUDZU

- Repeated mowing
- Controlled burns
- Livestock grazing
- Broadcast and spot-spray of foliage and root crown
- Basal bark or stem cut



SOUTHERN BLIGHT IN TOMATOES

- Caused by a soil-borne fungus, *Sclerotium rolfsii*
- Usually occurs sporadically throughout state, but have had an issue in tomatoes in SW MO this summer (possible infected nursery stock)
- Symptoms include wilt and eventually death
- Brown to black lesions appear at soil line
- White mycelium (fan shaped) will then develop in this area
- Small tannish dots (sclerotia) will then develop on mycelium
- Fruit will have a sunken appearance and then rot



SOUTHERN BLIGHT CONTROL

- Crop rotation for 5-6 years
- Sanitation
- Deep plowing (8 inches)
- Soil solarization
- Fungicide (applied at transplant or in furrow spray to soil)





SOUTHERN BLIGHT IN HOSTAS





IRIS BORER

- Iris borer (*Macronoctua onusta*)
- Adult moths are nocturnal; caterpillars are pinkish in color
- Spend winter as eggs on old iris leaves at the base of stalks
- Hatch in early spring and begin eating foliage
- Tan or water soaked streaks; also pin-prick holes and tunnel inside of leaves
- Reach rhizome and begin feeding by mid-summer
- Pupate underground-adult moth emerges in late summer or fall
- Control is very difficult; resistant varieties, check iris in spring for small caterpillars (remove infested leaves or crush them); avoid heavy mulching
- Dig up infested rhizomes and discard
- In fall, remove and destroy all plant debris
- Insecticide (spinosad), when eggs are hatching (foliage is about 4-6 inches tall) and then repeat in 2 weeks



IRIS BORER



TORTOISE BEETLE

- See sample; small (1/4 inch), round turtle-like insect; vary in color
- *Plagiometriona clavata*
- A type of leaf beetle; will eat foliage of various plants, including tomatoes
- Not a serious insect pest in Missouri or surrounding states



ATTRACTING HUMMINGBIRDS

- Guide G9419
- Ruby-throated hummingbird (*Archilochus colubris*) most common in Missouri
- 3 1.2 inches long and weight $\frac{1}{4}$ of an ounce; 55 wing strokes per second; males have red throats
- Feed on nectar, tree sap, small insects and spiders; provide shallow water source for bathing
- Very high metabolism; feed 5 to 8 times per hour for 30-60 seconds at a time; plant a good mixture of flowers and colors
- Can make your own sugar-water mix by boiling one cup of white granulated sugar to 4 cups of water; cool and fill feeder
- Clean feeders with hot water and scrub with a bottle brush
- Peak migration is in September; leave out feeders until October; feeders do not effect migration

What are your favorite hummingbird plants?



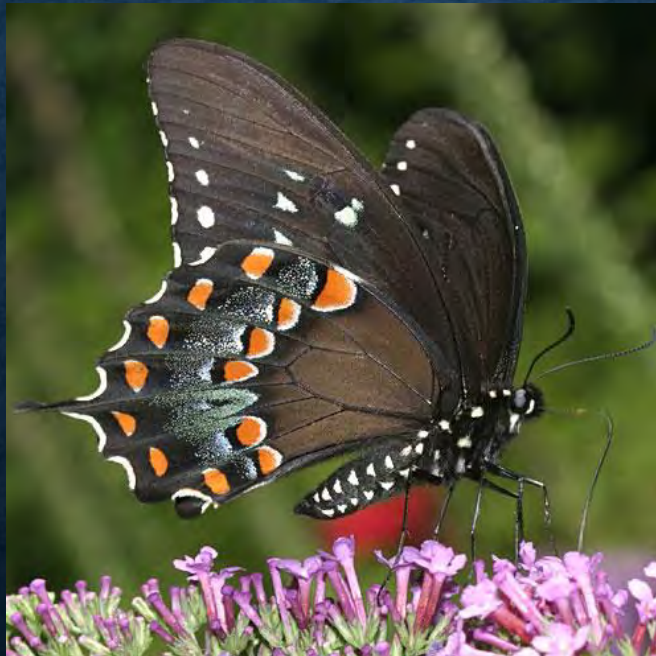
FACILITY EMERGENCY PLAN

- Located by microscopes in Hotline Room
- Review new handbook during downtime
- Tornado shelter in restrooms
- Fire - exit building immediately and meet at flagpole north of building



BUTTERFLY COUNT AT KICKAPOO EDGE PRAIRIE

- Thursday, August 24 at noon (counts as volunteer time)
- Kickapoo Edge Prairie (located by Gray-Campbell Farmstead)
- 3rd event this year to collect data on butterfly species in prairie



UPCOMING EVENTS

- August 31 – Twilight Garden Tour hosted by Extension; 4-7 pm; Wesley Community Garden, Fairbanks Community Garden, Millsap Farm; \$10 per person; pizza at Millsap Farm extra (pay at farm)
- September 7- 4th Annual Garlic Festival; 6-9 pm at Botanical Center; \$10
- September 8-10 – Japanese Fall Festival;
<http://peacethroughpeople.org/category/japanese-festival/>
- Learn To Grow in the Garden; Sept. 11 – Preserving and Cooking with Herbs; Oct. 9 – Garden Journaling; \$5 per person
- September 16 and 17 – Gray-Campbell Lifestyle Expo
<http://graycampbellfarmstead.org/id4.html>
- September 20 – Emeritus Brunch; 10:30 am
- September – Monarch Tagging





Any
Questions?