



INVASIVE SPECIES ADVISORY SYSTEM

SEVERE

**RISK OF INVASIVE
SPECIES ATTACKS**

HIGH

**RISK OF INVASIVE
SPECIES ATTACKS**

ELEVATED

**RISK OF INVASIVE
SPECIES ATTACKS**

GUARDED

**RISK OF INVASIVE
SPECIES ATTACKS**

LOW

**RISK OF INVASIVE
SPECIES ATTACKS**



INVASIVE SPECIES ADVISORY SYSTEM

SEVERE

**RISK OF INVASIVE
SPECIES ATTACKS**

HIGH

HIGH

**RISK OF INVASIVE
SPECIES ATTACKS**

GUARDED

**RISK OF INVASIVE
SPECIES ATTACKS**

LOW

**RISK OF INVASIVE
SPECIES ATTACKS**



WARNING!
THIS AREA
IS PROTECTED BY
BUGWOOD NETWORK

STOP

CAUTION
NATIVE SPECIES
ONLY

STOP

**NON
INVASIVE
AREA**



THE UNIVERSITY OF GEORGIA
**CENTER FOR INVASIVE SPECIES
AND
ECOSYSTEM HEALTH**

WARNELL SCHOOL OF
FORESTRY AND NATURAL RESOURCES

COLLEGE OF AGRICULTURAL
AND ENVIRONMENTAL SCIENCES



1785

The University of Georgia

®

With Support From:



Invasive and Exotic Species to North America

any species, including its seeds, eggs, spores, or other biological material capable of propagating that species, that is not native to that ecosystem; and whose introduction does or is likely to cause economic or environmental harm or harm to human health.

Plants 	Insects 	Pathogens 	Other Species 
--	---	--	---

NEWS

- [Introduced to the western hemisphere...a new mealybug of orchid!](#)
- [Soybean Rust and Kudzu: An invasive species tag team](#)
- ["Beyond the Ponderosa" images added](#)
- [100,000+ Images...Bugwood Images passes a new threshold!](#)
- [More News](#)

LINKS

- [Pest Tracker](#)
- [USDA Forest Service - Invasive Species Program](#)
- [National Invasive Species Information Center](#)
- [Global Invasive Species Database](#)
- [North American Plant Protection Organization](#)
- [European and Mediterranean Plant Protection Organization](#)
- [More Links](#)



The Nature Conservancy Global Invasive Species Team Website

TNC's Global Invasive Species Team (GIST) was disbanded in March 2009. The GIST web site including the Element Stewardship Abstracts, images and INVASIPEDIA were in danger of becoming lost. Invasive.org in collaboration with the Global Invasive Species Team, is pleased to announce that the GIST web site has been archived.

[More info...](#)



WeedUS: Database of Plants Invading Natural Areas in the U.S.

This web site is a collaborative project between the Plant Conservation Alliance's Alien Plant Working Group and the University of Georgia - Center for Invasive Species and Ecosystem Health. It is intended as an informational and educational tool. [More info...](#)



Cogongrass Road Crew Training Resources

Cogongrass (*Imperata cylindrica*) is one of the worst invasive plants we have in the South. This link contains information and resources for Extension agents to conduct a short informational training program for their county road crews. [More info...](#)

SUPPORTERS





The Nature Conservancy Global Invasive Species Team Website

TNC's Global Invasive Species Team (GIST) was disbanded in March 2009. The GIST web site including the Element Stewardship Abstracts, images and INVASIPEdia were in danger of becoming lost. Invasive.org in collaboration with the Global Invasive Species Team, is pleased to announce that the GIST web site has been archived.

[More info...](#)



WeedUS: Database of Plants Invading Natural Areas in the U.S.

This web site is a collaborative project between the Plant Conservation Alliance's Alien Plant Working Group and the University of Georgia - Center for Invasive Species and Ecosystem Health. It is intended as an informational and educational tool. [More info...](#)



Cogongrass Road Crew Training Resources

Cogongrass (*Imperata cylindrica*) is one of the worst invasive plants we have in the South. This link contains information and resources for Extension agents to conduct a short informational training program for their county road crews. [More info...](#)



Invasive Plants of the United States: Identification, Biology and Control

This web site includes 218 invasive plant species in the United States. The focus is to provide identification, ecology, and control information for invasive plants in the United States occurring in aquatic, wetland, forest, rangeland, desert, or prairie habitats. [More info...](#)



Invasive Plant Responses to Silvicultural Practices in the South

This guide is intended to aid foresters and managers in the southeastern United States in developing management plans and managing forests threatened by invasive plants. This guide integrates identification of invasive plants, potential mechanisms for spread (natural seed or vegetative production, or human induced spread by cultural practices) and a suite of silvicultural management/control practices. [More info...](#)



35th Natural Areas Conference Presentations

The conference focused on ecological

- Soybean Rust and Raouzi: An invasive species tag team
- "Beyond the Ponderosa" images added
- 100,000+ Images...Bugwood Images passes a new threshold!
- More News

LINKS

- Pest Tracker
- USDA Forest Service - Invasive Species Program
- National Invasive Species Information Center
- Global Invasive Species Database
- North American Plant Protection Organization
- European and Mediterranean Plant Protection Organization
- More Links

SUPPORTERS



CONTACT US



Center for Invasive Species and Ecosystem Health
Warnell School of Forestry &



Weeds: Database of Plants Invading Natural Areas in the U.S.

This web site is a collaborative project between the Plant Conservation Alliance's Alien Plant Working Group and the University of Georgia - Center

for Invasive Species and Ecosystem Health. It is intended as an informational and educational tool. More info...



Cogongrass Road Crew Training Resources

Cogongrass (*Imperata cylindrica*) is one of the worst invasive plants we have in the South. This link contains information and resources for

Extension agents to conduct a short informational training program for their county road crews. More info...



Invasive Plants of the United States: Identification, Biology and Control

This web site includes 218 invasive plant species in the United States. The focus is to provide identification, ecology, and control information for

invasive plants in the United States occurring in aquatic, wetland, forest, rangeland, desert, or prairie habitats. More info...



Invasive Plant Responses to Silvicultural Practices in the South

This guide is intended to aid foresters and managers in the southeastern United States in developing management plans and managing

forests threatened by invasive plants. This guide integrates identification of invasive plants, potential mechanisms for spread (natural seed or vegetative production, or human induced spread by cultural practices) and a suite of silvicultural management/control practices. More info...



35th Natural Areas Conference Presentations

The conference focused on ecological management themes with an emphasis on invasive exotic species issues and the effects of climate

change. The plenary and session presentation are available for viewing on the NAEPPC web site. More info...



Nonnative Invasive Species in Southern Forest and Grassland Ecosystems

The Southern Region Task Force for assessing nonnative invasive species (NNIS) was assembled in August

2006 to prioritize NNIS posing the highest threats to forests and grassland ecosystems in the South. The Task Force collaboratively compiled a list of the most potentially damaging invasive species from multiple existing databases and through surveys of Forest Service regional staff. More info...



Maps of Occupation and Estimates of Acres Covered by Nonnative Invasive Plants in Southern Forests

Regional Maps of occupation and coverage estimates are accessible for 33 recognized nonnative plants invading forests of the 13 southern States using U.S. Forest Service's Southern Research Station Forest Inventory and Analysis data.

More info...

European and Mediterranean Plant Protection Organization
 More Links

SUPPORTERS



CONTACT US




Center for Invasive Species and Ecosystem Health
 Warnell School of Forestry & Natural Resources
 College of Agricultural & Environmental Sciences
 Tifton, Georgia USA

e-mail: bugwood@uga.edu


Contacts
 Keith Douce, Co-Director
 David Moorhead, Co-Director
 Chuck Barger, Technology Director
 Joe LaForest, Program Specialist

Hosted Web sites





plant species in the United States. The focus is to provide identification, ecology, and control information for invasive plants in the United States occurring in aquatic, wetland, forest, rangeland, desert, or prairie habitats. More info...



and managers in the southeastern United States in developing management plans and managing forests threatened by invasive plants. This guide integrates identification of invasive plants, potential mechanisms for spread (natural seed or vegetative production, or human induced spread by cultural practices) and a suite of silvicultural management/control practices. More info...



35th Natural Areas Conference Presentations
The conference focused on ecological management themes with an emphasis on invasive exotic species issues and the effects of climate change. The plenary and session presentation are available for viewing on the NAEPPC web site. More info...




Nonnative Invasive Species in Southern Forest and Grassland Ecosystems
The Southern Region Task Force for assessing nonnative invasive species (NNIS) was assembled in August



Maps of Occupation and Estimates of Acres Covered by Nonnative Invasive Plants in Southern Forests
Regional Maps of occupation and coverage estimates are accessible for 33 recognized nonnative plants invading forests of the 13 southern States using U.S. Forest Service's Southern Research Station Forest Inventory and Analysis data. More info...

2006 to prioritize NNIS posing the highest threats to forests and grassland ecosystems in the South. The Task Force collaboratively compiled a list of the most potentially damaging invasive species from multiple existing databases and through surveys of Forest Service regional staff. More info...

CONTACT US



The University of Georgia

Center for Invasive Species and Ecosystem Health
Warnell School of Forestry & Natural Resources
College of Agricultural & Environmental Sciences
Tifton, Georgia USA

e-mail: bugwood@uga.edu

Contacts
Keith Douce, Co-Director
David Moorhead, Co-Director
Chuck Barger, Technology Director
Joe LaForest, Program Specialist

Hosted Web sites



Invasive.org: Center for Invasive Species and Ecosystem Health
The University of Georgia - Warnell School of Forestry and Natural Resources and
College of Agricultural and Environmental Sciences - Dept. of Entomology
Last updated on Monday, April 13, 2009 at 04:57 PM

Invasive Species 101 - An Introduction to Invasive Species

What is an invasive species?

An invasive species is a non-native species (including seeds, eggs, spores, or other propagules) whose introduction causes or is likely to cause economic harm, environmental harm, or harm to human health. The term "invasive"; is used for the most aggressive species. These species grow and reproduce rapidly, causing major disturbance to the areas in which they are present.

Things to know about invasive species:

Invasive species, if left uncontrolled, can and will limit land use now and into the future.

The longer we ignore the problem the harder and more expensive the battle for control will become.

Invasive species can decrease your ability to enjoy hunting, fishing, camping, hiking, boating and other outdoor recreational activities.

The United States suffers from \$1.1-120 billion per year in economic losses due to exotic, invasive species. ^{1, 2}

Approximately 42% of Threatened or Endangered species are at risk due to non-native, invasive species. ¹

Frequently Asked Questions

What Can I do?

Why Should I Care about Invasive Species?

- [I am a logger or forester. Why should I care about invasive species?](#)
- [I am a hunter. Why should I care about invasive species?](#)
- [I am a hiker, biker, camper or outdoor enthusiast. Why should I care about invasive species?](#)
- [I am a gardener. Why should I care about invasive species?](#)
- [I am a fisherman or boater. Why should I care about invasive species?](#)

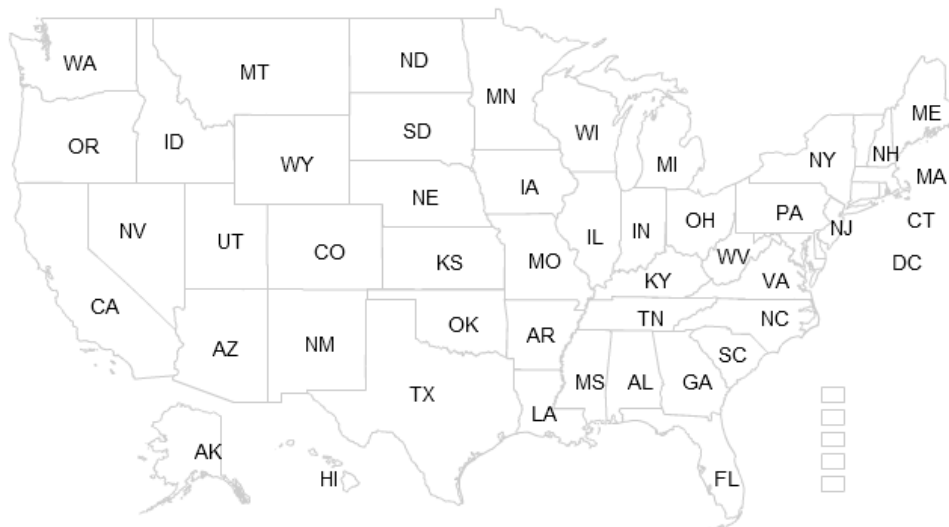


old world climbing fern
Photo by: Peggy Greb, USDA ARS

Images of Invasive and Exotic Species



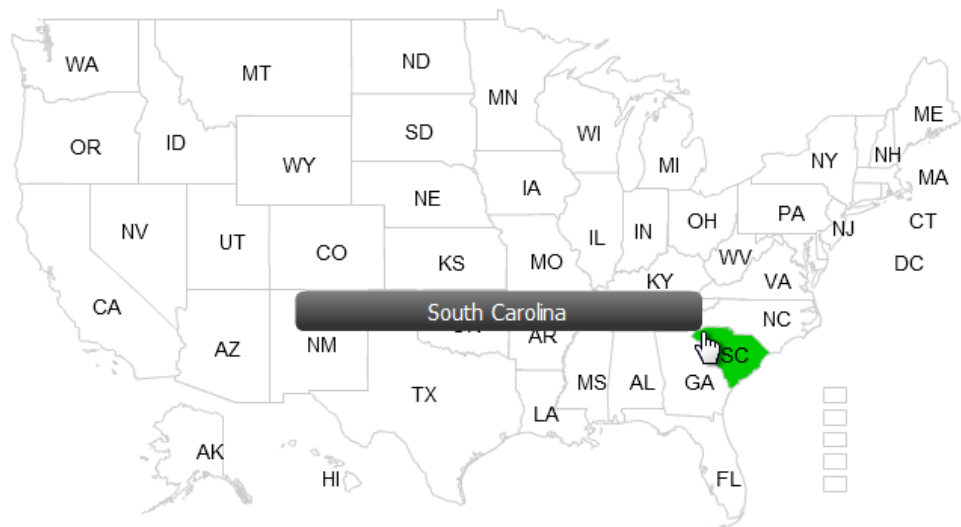
Browse by State Lists



flashmaps

- | | | | |
|--------------------------------------|-------------------------------|-----------------------------------|-------------------------------------|
| Alabama | Idaho | Montana | Puerto Rico |
| Alaska | Illinois | Nebraska | Rhode Island |
| American Samoa | Indiana | Nevada | South Carolina |
| Arizona | Iowa | New Hampshire | South Dakota |
| Arkansas | Kansas | New Jersey | Tennessee |
| California | Kentucky | New Mexico | Texas |
| Colorado | Louisiana | New York | U.S. Virgin Islands |
| Connecticut | Maine | North Carolina | Utah |
| Delaware | Maryland | North Dakota | Vermont |
| District of Columbia | Massachusetts | Northern Marianas | Virginia |
| Florida | Michigan | Ohio | Washington |
| Georgia | Minnesota | Oklahoma | West Virginia |
| Guam | Mississippi | Oregon | Wisconsin |
| Hawaii | Missouri | Pennsylvania | Wyoming |

Browse by State Lists



flashmaps

- [Alabama](#)
- [Alaska](#)
- [American Samoa](#)
- [Arizona](#)
- [Arkansas](#)
- [California](#)
- [Colorado](#)
- [Connecticut](#)
- [Delaware](#)
- [District of Columbia](#)
- [Florida](#)
- [Georgia](#)
- [Guam](#)
- [Hawaii](#)

- [Idaho](#)
- [Illinois](#)
- [Indiana](#)
- [Iowa](#)
- [Kansas](#)
- [Kentucky](#)
- [Louisiana](#)
- [Maine](#)
- [Maryland](#)
- [Massachusetts](#)
- [Michigan](#)
- [Minnesota](#)
- [Mississippi](#)
- [Missouri](#)

- [Montana](#)
- [Nebraska](#)
- [Nevada](#)
- [New Hampshire](#)
- [New Jersey](#)
- [New Mexico](#)
- [New York](#)
- [North Carolina](#)
- [North Dakota](#)
- [Northern Marianas](#)
- [Ohio](#)
- [Oklahoma](#)
- [Oregon](#)
- [Pennsylvania](#)

- [Puerto Rico](#)
- [Rhode Island](#)
- [South Carolina](#)
- [South Dakota](#)
- [Tennessee](#)
- [Texas](#)
- [U.S. Virgin Islands](#)
- [Utah](#)
- [Vermont](#)
- [Virginia](#)
- [Washington](#)
- [West Virginia](#)
- [Wisconsin](#)
- [Wyoming](#)



South Carolina

Invasive Species Lists:

- [South Carolina Noxious Weeds](#)
- [South Carolina Exotic Pest Plant Council](#)

Report Invasive Species:

- [Regulatory Contacts](#)
- [County Extension Offices](#)

More Resources:

- [Land-grant University](#)
- [State Forestry Department](#)
- [State Department of Natural Resources](#)
- [State Department of Agriculture](#)
- [Southern Plant Diagnostic Network](#)
- [South Carolina Exotic Pest Plant Council](#)
- [Plant Diagnostic Clinic- Clemson University](#)
- [State Laws and Regulations \(invasivespeciesinfo.gov\)](#)
- [State Plant Quarantine Summaries \(nationalplantboard.org\)](#)



Partners





Invasive Species Publications

USDA Forest Service - Forest Health Technology Enterprise Team

[Biological Control of Invasive Plants in the Eastern United States](#)

[Invasive Plants of Asian Origin Established in the United States and Their Natural Enemies Volume 1](#)

[Invasive Plants of Asian Origin Established in the United States and Their Natural Enemies Volume 2](#)

[Biology and Biological Control of Yellow Starthistle - pdf](#)

[Biology and Biological Control of Knapweed - pdf](#)

[Biology and Biological Control of Purple Loosestrife - pdf](#)

[Biology and Biological Control of Exotic True Thistles - pdf](#)

[Biology and Biological Control of Leafy Spurge - pdf](#)

[Biology and Biological Control of Dalmatian and Yellow Toadflax - pdf](#)

[Biological Control of Hemlock Woolly Adelgid - pdf](#)

[Invasive Insects, Pathogens and Plants in Western and Pacific Island Forests - pdf](#)

[Assessing Host Ranges for Parasitoids and Predators used for Classical Biological Control - pdf](#)

USDA Forest Service

[Nonnative Invasive Plants of Southern Forests - A Field Guide for Identification and Control](#)

[Invasive Plants of the Thirteen Southern States](#)

Conference Proceedings

[Emerald Ash Borer: Research and Technology Development Meeting 2005 - pdf](#)

[Emerald Ash Borer: Research and Technology Development Meeting 2004 - pdf](#)

[Emerald Ash Borer: Research and Technology Development Meeting 2003 - pdf](#)

[Proceedings of Terrestrial Plant Invasions in the Temperate South: The Problem, Consequence, and Taking Control Presentations - June 4-5, 2003](#)

[Proceedings of the X International Symposium on Biological Control of Weeds - July 4-14, 1999](#)

[Exotic Pests of Eastern Forests Conference Proceedings - April 8-10, 1997](#)

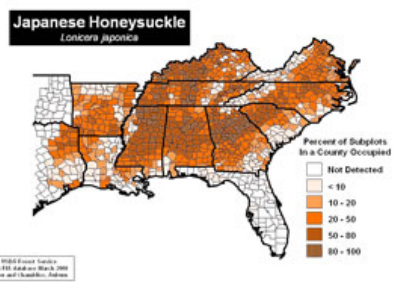


Invasive Species Distribution Maps



EDDMapS - Early Detection and Distribution Mapping System includes distribution maps for over 1000 invasive plants in the United States both at county level and point level.

- [EDDMapS](#)
- [Southeast EPPC EDDMapS](#)
- [Florida EPPC EDDMapS](#)
- [Everglades Cisma EDDMapS \(includes invasive wildlife\)](#)



Maps of Occupation and Estimates of Acres Covered by Nonnative Invasive Plants in Southern Forests

Regional Maps of occupation and coverage estimates are accessible for 33 recognized nonnative plants invading forests of the 13 southern States using U.S. Forest Service's Southern Research Station Forest Inventory and Analysis data.

[U.S. Forest Service Southern Region FIA - Invasive Plant Maps](#)



PestTracker is the public access web site of the National Agricultural Pest Information System (NAPIS), the agricultural pest tracking database of the US Department of Agriculture Animal and Plant Health Inspection Service (APHIS) Plant Protection and Quarantine (PPQ) Cooperative Agricultural Pest Survey (CAPS).

Invasive Species Videos



[Dangerous Travelers: Controlling Invasive Plants Along America's Roadways](#)



[Defending Favorite Places: How Hunters and Anglers Can Stop the Spread of Invasive Species](#)



[Plants Out of Place](#)

Cogongrass Videos



[Cogongrass: The Perfect Weed](#)



[Cogongrass in Alabama](#)



[Cogongrass - Georgia County Road Crew Training](#)

Other Invasive Species Videos

Invasive Species Management and Control Information

Chemical and Mechanical Control

- [General Principles for Controlling Nonnative Invasive Plants](#)
- [Weed Control Methods Handbook](#)
- [Prescriptions for Specific Nonnative Invasive Plants](#)
- [Control of Problem Weeds in Range and Pasture](#)
- [Invasive Plant Responses to Silvicultural Practices in the South](#)
- [Invasive Species Management Plans for Florida](#)
- [Herbicide Advice for Homeowners](#)
- [Tools of the trade: Tool Reviews](#)

Contact your local land-grant university or county extension office for state specific recommendations.



Backpack treatment of kudzu.

Photo by: James H. Miller, USDA Forest Service

Biological Control

- [Biological Control of Invasive Plants in the Eastern United States](#)
- [Biology and Biological Control of Dalmatian and Yellow Toadflax](#)
- [Biology and Biological Control of Knapweed](#)
- [Biology and Biological Control of Leafy Spurge](#)
- [Biology and Biological Control of Purple Loosestrife](#)
- [Biology and Biological Control of Yellow Starthistle](#)
- [Biological Control of Hemlock Woolly Adelgid](#)
- [Biological Control of Hemlock Woolly Adelgid](#)
- [Biological Control: A Guide to Natural Enemies in North America.](#)



This one-tenth-inch-long South American weevil, *Cyrtobagous salviniae*, is highly effective in reducing

Early Detection and Rapid Response (EDRR)

Even the best prevention efforts cannot stop all invasive species. Early detection, rapid assessment and rapid response is a critical second defense against the establishment of invasive populations. EDRR increases the likelihood that localized invasive populations will be found, contained, and eradicated before they become widely established. EDRR can slow range expansion, and avoid the need for costly long-term control efforts. Effective EDRR depends upon the timely ability to answer critical questions such as¹:

1. What is the species of concern, and has it been authoritatively identified?
2. Where is it located and likely to spread?
3. What harm may the species cause?
4. What actions (if any) should be taken?
5. Who has the needed authorities and resources?
6. How will efforts be funded?

Successful Early Detection and Rapid Response Programs include²:

1. potential threats are being identified in time to allow risk-mitigation measures to be taken;
2. new invasive species are being detected in time to allow efficient and environmentally sound decisions to be made;
3. responses to invasions are effective and environmentally sound and prevent the spread and permanent establishment of invasive species;
4. adequate and timely information is being provided to decision-makers, the public, and to trading partners concerned about the status of invasive species within an area; and
5. lessons learned from past efforts are being used to guide current and future efforts.

Early Detection and Rapid Response Networks

[Cooperative Agricultural Pest Survey Program](#)

[National Plant Diagnostic Network](#)



Taking GPS coordinates of Chinese tallow tree infestation

Photo by: David Moorhead, UGA

Cooperative Invasive Species Management Areas (CISMAs)

Cooperative Weed Management Areas (CWMAs)

What is a CISMA/CWMA?

A partnership of federal, state, and local government agencies, tribes, individuals, and various interested groups that manage invasive species (or weeds) in a defined area.

Why form a CISMA/CWMA?

1. Money
2. Communication
3. Public Awareness
4. Prevention strategies
5. Inventory, Mapping, Monitoring
6. Coordinated Management
7. Reporting



CISMAs and CWMAs in the United States

Coming soon a map of CISMAs and CWMAs in the United States, if you would like your CISMA/CWMA included please send us an e-mail at: bugwood@uga.edu

CWMA Resources

- [CWMA Cookbook: A Step-by-Step Guide on How to Develop a Cooperative Weed Management Area in the Eastern United States](#)
- [CWMA Cookbook: A Recipe for Success.](#)
- [Sample Memorandum of Understanding \(MOU\)](#)
- [Cooperative Weed Management Area National Conference: "People-Powered Projects"](#)

How to ... Invasive Species Information Tools

[How to Identify Invasive Species](#)

[How to Control Invasive Species](#)

[How to Report Invasive Species](#)

[How to create a CISMA/CWMA](#)

[What can I do to fight invasive species?](#)

[How do I Contribute to the Invasive.org Images Archive?](#)

[How to Find Grants and Funding for Invasive Species \(invasivespeciesinfo.gov\)](#)

[Where Can I attend an Invasive Species Conference or Workshop \(invasivespeciesinfo.gov\)](#)

[Where Can I find Information about Federal Laws and Regulations \(invasivespeciesinfo.gov\)](#)

[How Do I Find Recommended Native Plants \(wildflower.org\)](#)



Volunteer weed control programs, such as the annual Scotch Thistle Day, help teach young people about the impact of invasive plants on native ecosystems and agricultural production.

Photo by: Steve Dewey, Utah State University

Partners

Global Invasive Species Resources

General Information

[Addressing the Four Threats in an International Context - Invasive Species](#)
[Biological Invasions: a Global Perspective](#)

European Publications

[The Atlas of Forest Insect Pests - Polish Forest Research Institute](#)
[Leaf mines and leaf miners - Hungarian Forest Research Institute](#)
[Xylophagous Insects - Hungarian Forest Research Institute](#)

Pest Lists

[Rod Randall's Big Weed List](#)
[Weeds of Mexico](#)
[European and Mediterranean Plant Protection Organization](#)

Links

[Global Invasive Species Database](#)
[Global Invasive Species Programme](#)
[North American Plant Protection Organization](#)
[North American Forest Commission Exotic Forest Pest Information System](#)
[Delivering Alien Invasive Species Inventories for Europe](#)
[European and Mediterranean Plant Protection Organization](#)
[North European and Baltic Network on Invasive Alien Species](#)
[Pacific Island Ecosystems at Risk](#)
[PaDIL - Pests and Diseases Image Library](#)



nun moth, *Lymantria monacha* (Linnaeus)
Photo by: Stanislaw Kinelski



Invasive and Exotic Species to North America

any species, including its seeds, eggs, spores, or other biological material capable of propagating that species, that is not native to that ecosystem; and whose introduction does or is likely to cause economic or environmental harm or harm to human health.

Plants	Insects	Pathogens	Other Species
			

NEWS

- [Introduced to the western hemisphere...a new mealybug of orchid!](#)
- [Soybean Rust and Kudzu: An invasive species tag team](#)
- ["Beyond the Ponderosa" images added](#)
- [100,000+ Images...Bugwood Images passes a new threshold!](#)
- [More News](#)

LINKS

- [Pest Tracker](#)
- [USDA Forest Service - Invasive Species Program](#)
- [National Invasive Species Information Center](#)
- [Global Invasive Species Database](#)
- [North American Plant Protection Organization](#)
- [European and Mediterranean Plant Protection Organization](#)
- [More Links](#)



The Nature Conservancy Global Invasive Species Team Website

TNC's Global Invasive Species Team (GIST) was disbanded in March 2009. The GIST web site including the Element Stewardship Abstracts, images and INVASIPEDIA were in danger of becoming lost. Invasive.org in collaboration with the Global Invasive Species Team, is pleased to announce that the GIST web site has been archived.

[More info...](#)



WeedUS: Database of Plants Invading Natural Areas in the U.S.

This web site is a collaborative project between the Plant Conservation Alliance's Alien Plant Working Group and the University of Georgia - Center for Invasive Species and Ecosystem Health. It is intended as an informational and educational tool. [More info...](#)



Cogongrass Road Crew Training Resources

Cogongrass (*Imperata cylindrica*) is one of the worst invasive plants we have in the South. This link contains information and resources for Extension agents to conduct a short informational training program for their county road crews. [More info...](#)

SUPPORTERS





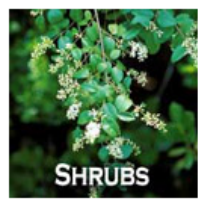
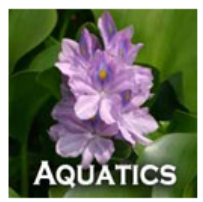
Invasive and Exotic Plants

The following species have been listed on an invasive species list or noxious weed law in North America. For more information on each species, including the listing sources, images, and publication links, click on the species.

Browse List:



Browse Habit:



Full List - 1485 Species

Subject Name	Scientific Name ↓	Family	Order
rosarypea	<i>Abrus precatorius</i> L.	Fabaceae (Leguminosae)	Fabales
hairy Indian mallow	<i>Abutilon grandifolium</i> (Willd.) Sweet	Malvaceae	Malvales
velvetleaf	<i>Abutilon theophrasti</i> Medik	Malvaceae	Malvales
earleaf acacia	<i>Acacia auriculiformis</i> A. Cunningham ex Benth.	Fabaceae (Leguminosae)	Fabales

West Indian marsh grass	<i>Hymenachne amplexicaulis</i> (Rudge) Nees	Poaceae	Cyperales
black henbane	<i>Hyoscyamus niger</i> L.	Solanaceae	Solanales
Canary Island St. Johnswort	<i>Hypericum canariense</i> L.	Clusiaceae	Theales
common St. Johnswort	<i>Hypericum perforatum</i> L.	Clusiaceae	Theales
smooth cat's ear	<i>Hypochaeris glabra</i> L.	Asteraceae	Asterales
hairy cat's ear	<i>Hypochaeris radicata</i> L.	Asteraceae	Asterales
English holly	<i>Ilex aquifolium</i> L.	Aquifoliaceae	Celastrales
Chinese holly	<i>Ilex cornuta</i> Lindl. & Paxton	Aquifoliaceae	Celastrales
Japanese holly	<i>Ilex crenata</i> Thunb.	Aquifoliaceae	Celastrales
ornamental jewelweed	<i>Impatiens glandulifera</i> Royle	Balsaminaceae	Geraniales
Brazilian satintail	<i>Imperata brasiliensis</i> Trinius	Poaceae	Cyperales
California satintail	<i>Imperata brevifolia</i> Vasey	Poaceae	Cyperales
cogongrass	<i>Imperata cylindrica</i> (L.) Beauv.	Poaceae	Cyperales
anil de pasto	<i>Indigofera suffruticosa</i> P. Mill.	Fabaceae (Leguminosae)	Fabales
elecampane	<i>Inula helenium</i> L.	Asteraceae	Asterales
moonflower	<i>Ipomoea alba</i> L.	Convolvulaceae	Solanales
swamp morningglory	<i>Ipomoea aquatica</i> Forssk.	Convolvulaceae	Solanales
gloria de la manana	<i>Ipomoea carnea</i> ssp. <i>fistulosa</i> (Mart. ex Choisy) D. Austin	Convolvulaceae	Solanales
red morningglory	<i>Ipomoea coccinea</i> L.	Convolvulaceae	Solanales
tievine	<i>Ipomoea cordatotriloba</i> var. <i>cordatotriloba</i> Dennst.	Convolvulaceae	Solanales
ivyleaf morningglory	<i>Ipomoea hederacea</i> Jacq.	Convolvulaceae	Solanales
pitted morningglory	<i>Ipomoea lacunosa</i> L.	Convolvulaceae	Solanales
tall morningglory	<i>Ipomoea purpurea</i> (L.) Roth	Convolvulaceae	Solanales
cypressvine morningglory	<i>Ipomoea quamoclit</i> L.	Convolvulaceae	Solanales
morningglory	<i>Ipomoea</i> spp. L.	Convolvulaceae	Solanales
threelobe morningglory	<i>Ipomoea triloba</i> L.	Convolvulaceae	Solanales

cogongrass

Imperata cylindrica (L.) Beauv.

Taxonomic Rank: Liliopsida: Cyperales: Poaceae

Synonym(s): cogon grass, alang-alang

USDA PLANTS Symbol: **IMCY**

USDA ARS GRIN: **19864**

ITIS: **41788**

NAPIS: **PCABVBA**

Cogongrass is a perennial, colony-forming grass which can grow up to 6 ft. (1.8 m) tall. Leaves have an off-center, whitish midrib and finely serrated margins. Leaves are up to 6 ft. (1.8 m) long, 0.5-0.75 in. (1.3-1.9 cm) wide, stiff, and have a sharp, pointed apex. Rhizomes are whitish, branched, scaly and sharp at the tips. Cogongrass is best identified in the spring by the large fuzzy panicle of flowers and seeds, giving the plant a cottony or silky look. Flower heads are 2-8 in. (5.1-20.3 cm) long, silvery-white and cylindrical. Cogongrass is an extremely aggressive invader with the capability of invading a range of sites. It forms dense, usually circular infestations that exclude all other vegetation. Cogongrass is native to Southeast Asia and was accidentally introduced into the southeast United States in packing material in the early 1900s. It was also intentionally introduced for erosion control and livestock forage.

Identification, Biology, Control and Management Resources

[Invasive Species Management Plans for Florida](#) - University of Florida - Center for Aquatic and Invasive Plants

[Identification and Biology of Non-Native Plants in Florida's Natural Areas](#) - University of Florida

[Weed of the Week](#) - USDA Forest Service

[Identifying and Controlling Cogongrass in Georgia](#) - GA Invasive Species Task Force

[Cogongrass Web Site](#) - Bugwood Network

[Federal Noxious Weed Disseminules of the U.S.](#) - USDA-APHIS

[Weeds Gone Wild: Alien Plant Invaders of Natural Areas](#) - Plant Conservation Alliance

[Domestic Programs Pest Evaluation](#) - USDA APHIS PPQ

[Nonnative Invasive Plants of Southern Forests](#) - USDA Forest Service

[Biological Control of Invasive Plants in the Eastern United States](#) - USDA Forest Service

Selected Images from Invasive.org

[View All Images at Invasive.org](#)



Selected Images from Invasive.org

View All Images at Invasive.org



Plant(s); note the flowering plant at the center back
 Jeffrey W. Lotz, Florida Department of Agriculture and Consumer Services, Bugwood.org
[Additional Resolutions & Image Usage](#)



Feature(s); Plant Base
 Richard Carter, Valdosta State University, Bugwood.org
[Additional Resolutions & Image Usage](#)



Root(s); Rhizome
 Carey Minteer, University of Georgia, Bugwood.org
[Additional Resolutions & Image Usage](#)



Feature(s); Leaf-collar region
 Mark Atwater, Weed Control Unlimited, Inc., Bugwood.org
[Additional Resolutions & Image Usage](#)



Foliage; Showing off-center midrib
 Mark Atwater, Weed Control Unlimited, Inc., Bugwood.org
[Additional Resolutions & Image Usage](#)



Feature(s); The whitish midribs are often off-center. Mitchell County, GA
 Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Plant(s);
 Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Root(s);
 Chuck Barger, University of Georgia, Bugwood.org
[Additional Resolutions & Image Usage](#)



Feature(s); Sharp-pointed rhizome
 Mark Atwater, Weed Control Unlimited, Inc., Bugwood.org
[Additional Resolutions & Image Usage](#)



Feature(s); Segmented rhizomes with outer covering intact (bottom) and removed (top)
 Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Feature(s); Ligule
 Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Feature(s); Collar region
 Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Narrow Results by:

Descriptor:

- Infestation (103)
- Feature(s) (48)
- Plant(s) (33)
- Control (29)
- Prescribed Fire (11)
- + Show All

Commodity:

- Weeds (268)
- Understory and Rangeland Plants (11)
- Herbaceous (4)
- Biological Control (1)
- Conifer (1)
- + Show All

Type:

- Field (42)

View:

- Aerial (7)

Person in Picture:

- Yes (2)

Country:

- United States (286)

cogongrass
Imperata cylindrica (L.) Beauv.

Taxonomic Rank: [Liliopsida](#) > [Cyperales](#) > [Poaceae](#) > [Imperata](#)
Common Name Synonym(s): cogon grass, alang-alang
Taxonomic Synonym(s):
Imperata arundinacea (L.) Beauv.
Category: [Plants: Grass or Grasslike](#)

286 Records

[View Images as Host](#)

[View Thumbnails](#)

Image	Descriptor ↓	Description
0016206		deer bedding in dormant grass
0016222		horses grazing on cogongrass, cogongrass was introduced as a potential forage crop.
0016223		horse eating cogongrass, cogongrass was introduced as a potential forage crop
1148078		seedhead
1148080		three seedheads
4064030		Decatur Co.: near US Hwy 27 bypass, Charter House Inn on East Alice Street, Bainbridge
4064031		Decatur Co.: near US Hwy 27 bypass, Charter House Inn on East Alice Street, Bainbridge
5344082		Red Baron
1391432	Biological Control	Rhizoctonia disease
1391433	Biological Control	Rhizoctonia disease
1391434	Biological Control	Rhizoctonia disease
0016199	Competition	
0016382	Control	Herbicide application of glyphosate (Accord) 35 days after treatment.

Taxonomic References:

USDA, NRCS. 2001. The PLANTS Database, Version 3.1, National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

Invasive Listing Sources:

- [Alachua](#)
- [Apalachicola](#)
- [Nonnative Invasive Species in Southern Forest and Grassland Ecosystems Southwest](#)
- [USDA APHIS Regulated Pest List](#)
- [WeedUS - Database of Plants Invading Natural Areas in the United States](#)
- [Alabama Invasive Plant Council](#)
- [Arkansas Noxious Weeds](#)
- [California Noxious Weeds](#)
- [Florida Exotic Pest Plant Council](#)
- [Florida Noxious Weeds](#)
- [Georgia Exotic Pest Plant Council](#)
- [Minnesota Noxious Weeds](#)
- [Mississippi Noxious Weeds](#)
- [North Carolina Noxious Weeds](#)
- [Oregon Noxious Weeds](#)
- [South Carolina Exotic Pest Plant Council](#)
- [South Carolina Noxious Weeds](#)
- [Tennessee Noxious Weeds](#)
- [Vermont Noxious Weeds](#)

Partners





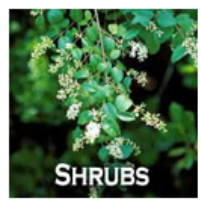
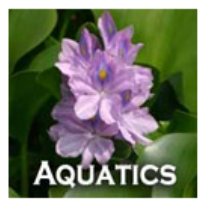
Invasive and Exotic Plants

The following species have been listed on an invasive species list or noxious weed law in North America. For more information on each species, including the listing sources, images, and publication links, click on the species.

Browse List:



Browse Habit:



Full List - 1485 Species

Subject Name	Scientific Name ↓	Family	Order
rosarypea	<i>Abrus precatorius</i> L.	Fabaceae (Leguminosae)	Fabales
hairy Indian mallow	<i>Abutilon grandifolium</i> (Willd.) Sweet	Malvaceae	Malvales
velvetleaf	<i>Abutilon theophrasti</i> Medik	Malvaceae	Malvales
earleaf acacia	<i>Acacia auriculiformis</i> A. Cunningham ex Benth.	Fabaceae (Leguminosae)	Fabales

WeedUS

Database of Plants
Invading Natural Areas
in the United States



Home

Aquatics

Herbs/Forbs

Grasses

Shrubs

Trees

Vines

Images

Distribution

Parks

Sources



Contribute Plant
Distribution Data to
EDDMapS
Early Detection & Distribution Mapping System

Contribute Pictures
of Invasive Plants to
BUGWOOD
Image Database System

Invasive Species News

Introduced to the western hemisphere...a new mealybug of orchid!

Tuesday, April 28, 2009 - 04:24 PM

Soybean Rust and Kudzu: An invasive species tag team

Tuesday, April 28, 2009 - 10:50 AM

"Beyond the Ponderosa" images added

Thursday, April 23, 2009 - 01:42 PM

100,000+ Images...Bugwood Images passes a new threshold!

Wednesday, April 22, 2009 - 10:26 AM

New review form for photographers

Wednesday, April 22, 2009 - 10:14 AM

This website is a collaborative project between the Plant Conservation Alliance's Alien Plant Working Group and the University of Georgia - Center for Invasive Species and Ecosystem Health. The project will eventually expand to allow volunteers to provide distribution information on infestations of species in the database.

WeedUS is a database of information about plants that invade natural areas in the U.S. (including Hawaii). It is intended as an informational and educational tool. Non-native invasive plants degrade natural areas by out-competing native plants for resources and space. The changes they bring can affect things like the amount and quality of food and nesting sites available for wildlife, the extent and survival of native plant populations, the quality and functions of wetlands and waterways, and the appearance and enjoyment of natural landscapes. WeedUS is just one step in the effort to combat invasive plants and preserve our native plants, animals, and landscapes. Information in the WeedUS database is compiled from a wide variety of sources including published and unpublished lists, reports, surveys, and personal observations from experts in the field. Sources include the National Park Service, other federal, state and local agencies, Exotic Pest Plant Councils, Invasive Species Councils and related organizations, The Nature Conservancy, and others.

The purpose of this database is informational and educational and it is neither intended nor approved for use as a regulatory tool. Many of the species in the database are economically important horticultural plants but sometimes cause problems when they escape and establish in natural areas.

Join the **WeedUS listserv** to stay updated on improvements and additions to the site.

Trees

The following species have been reported to be invasive in natural areas in the U.S. For more information on each species, including the listing sources, images, and distribution maps, click on the species.

209 Species

Subject Name	Scientific Name ↓	Family	Nativity
small Philippine wattle	<i>Acacia confusa</i> Merr.	Fabaceae	Exotic
Sydney golden wattle	<i>Acacia longifolia</i> (Andr.) Willd.	Fabaceae	Exotic
black wattle	<i>Acacia mearnsii</i> de Wildeman	Fabaceae	Exotic
Australian blackwood; blackwood acacia	<i>Acacia melanoxylon</i> R. Br. ex Ait. f.	Fabaceae	Exotic
water wattle; wirilda	<i>Acacia retinodes</i> Schlecht	Fabaceae	Exotic
hedge maple; field maple	<i>Acer campestre</i> L.	Aceraceae	Exotic
Amur maple	<i>Acer ginnala</i> Maxim.	Aceraceae	Exotic
Japanese maple	<i>Acer palmatum</i> L.	Aceraceae	Exotic
Norway maple	<i>Acer platanoides</i> L.	Aceraceae	Exotic
Sycamore maple; mock plane	<i>Acer pseudoplatanus</i> L.	Aceraceae	Exotic
red sandal wood, coralwood	<i>Adenanthera pavonina</i> L.	Fabaceae	Exotic
horse chestnut	<i>Aesculus hippocastanum</i> L.	Hippocastanaceae	Exotic
tree-of-heaven; stinking shumac; copal tree; varnish tree	<i>Ailanthus altissima</i> (P. Mill.) Swingle	Simaroubaceae	Exotic
silk tree; mimosa	<i>Albizia julibrissin</i> Durazz.	Fabaceae	Exotic
woman's tongue tree; lebbeck tree	<i>Albizia lebbeck</i> (L.) Benth.	Fabaceae	Exotic
black alder; European alder	<i>Alnus glutinosa</i> L. Gaertn.	Betulaceae	Exotic
Japanese Angelica	<i>Aralia elata</i> (Miq.) Seem	Araliaceae	Exotic
shoebuttton ardisia	<i>Ardisia elliptica</i> Thunb	Myrsinaceae	Exotic

WeedUS

Database of Plants
Invading Natural Areas
in the United States



[Home](#)[Aquatics](#)[Herbs/Forbs](#)[Grasses](#)[Shrubs](#)[Trees](#)[Vines](#)[Images](#)[Distribution](#)[Parks](#)[Sources](#)

Chinese tallowtree

Triadica sebifera (L.) Small

Taxonomic Rank: Magnoliopsida: Euphorbiales: Euphorbiaceae

Synonym(s): Chinese tallow, popcorn tree, Florida aspen, chicken tree

Native Range: Temp. Asia-China & Taiwan (GRIN)

USDA PLANTS Symbol: TRSE6

U.S. Nativity: Exotic

Habit: Tree

Chinese tallowtree (popcorn tree) is a deciduous tree reaching 60 ft. (18.3 m) in height and 3 ft. (0.9 m) in diameter. Leaves are alternate, heart-shaped, 2-3 in. (5.1-7.6 cm) long with a long, pointed tip. Flowering occurs from April to June. The flowers are yellowish and occur on 8 in. (20 cm) long, dangling spikes. Three-lobed, greenish fruit are found in clusters at the end of branches. Fruit mature to black and then open to reveal the white wax covered seeds. Tallow tree invades wet areas such as stream banks and ditches but can also invade drier upland sites. Chinese tallowtree is a serious threat because of its ability to invade high quality, undisturbed forests. It can displace native vegetation as well as alter soil conditions due to the high amount of tannins present in the leaf litter. Chinese tallowtree is a native of China and was introduced into South Carolina in 1776 for ornamental purposes and seed oil production.

Identification, Biology, Control and Management Resources

[Invasive Species Management Plans for Florida](#) - University of Florida - Center for Aquatic and Invasive Plants

[Nonnative Invasive Plants of Southern Forests](#) - USDA Forest Service

[Southeast Exotic Pest Plant Council Invasive Plant Manual](#) - SE-EPPC

[Element Stewardship Abstract](#) - The Nature Conservancy

[Weed of the Week](#) - USDA Forest Service

[Identification and Biology of Non-Native Plants in Florida's Natural Areas](#) - University of Florida

Selected Images from Invasive.org

[View All Images at Invasive.org](#)



Selected Images from Invasive.org

[View All Images at Invasive.org](#)



Twig(s)/Shoot(s); Tift County, GA
Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Foliage;
Cheryl McCormick, University of Florida, Bugwood.org
[Additional Resolutions & Image Usage](#)



Bark;
Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Twig(s)/Shoot(s); September
James H. Miller, USDA Forest Service, Bugwood.org
[Additional Resolutions & Image Usage](#)



Flower(s); Developing flowers. Tift County, GA
Chuck Bergeron, University of Georgia, Bugwood.org
[Additional Resolutions & Image Usage](#)



Flower(s);
Mark Atwater, Weed Control Unlimited, Inc., Bugwood.org
[Additional Resolutions & Image Usage](#)



Fruit(s); Tift County, GA
Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Fruit(s);
Charles T. Bryson, USDA Agricultural Research Service, Bugwood.org
[Additional Resolutions & Image Usage](#)



Fruit(s); fruit and waxy coated seeds
James H. Miller, USDA Forest Service, Bugwood.org
[Additional Resolutions & Image Usage](#)



Seedling(s);
Chris Evans, River to River CWMA,



Seedling(s);
David J. Moorhead, University of Georgia, Bugwood.org
[Additional Resolutions & Image Usage](#)



Infestation; Tift County, GA
Chris Evans, River to River CWMA, Bugwood.org
[Additional Resolutions & Image Usage](#)



Tree(s); Fall color
John D. Byrd, Mississippi State University, Bugwood.org
[Additional Resolutions & Image Usage](#)



Foliage; fall foliage
James H. Miller, USDA Forest Service, Bugwood.org
[Additional Resolutions & Image Usage](#)



Feature(s); fall color
Ronald F. Billings, Texas Forest Service, Bugwood.org
[Additional Resolutions & Image Usage](#)



Plant(s);
Dennis Teague, U.S. Air Force, Bugwood.org
[Additional Resolutions & Image Usage](#)

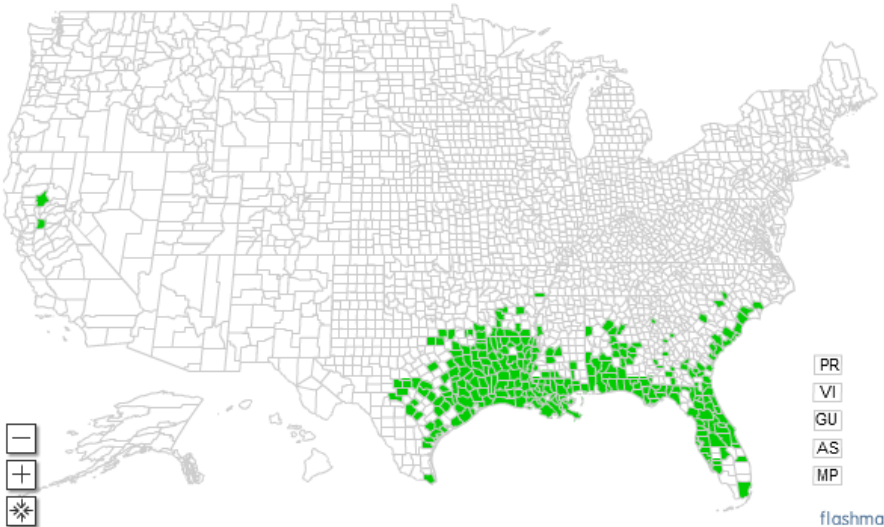


Tree(s);
Dennis Teague, U.S. Air Force, Bugwood.org
[Additional Resolutions & Image Usage](#)



Seed(s);
Steve Hurst, USDA NRCS PLANTS Database, Bugwood.org
[Additional Resolutions & Image Usage](#)

EDDMapS Distribution:

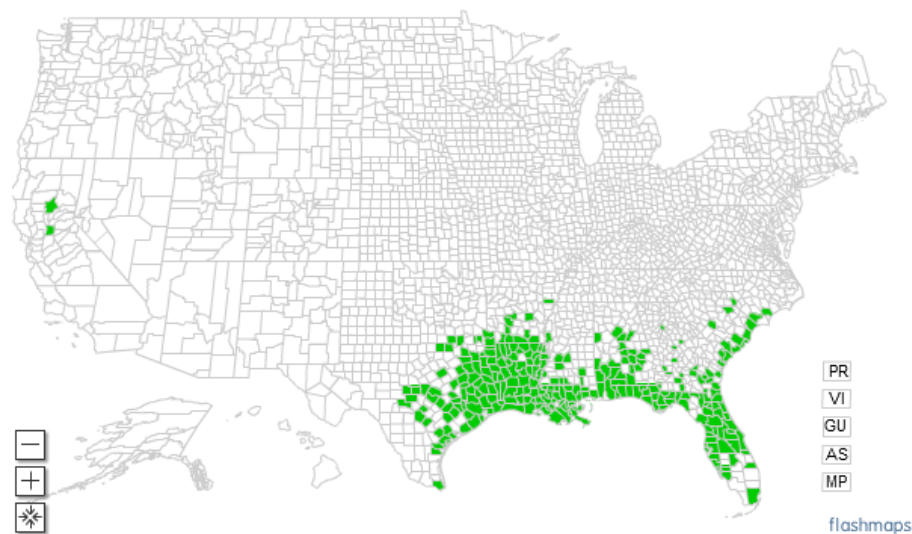


- PR
- VI
- GU
- AS
- MP

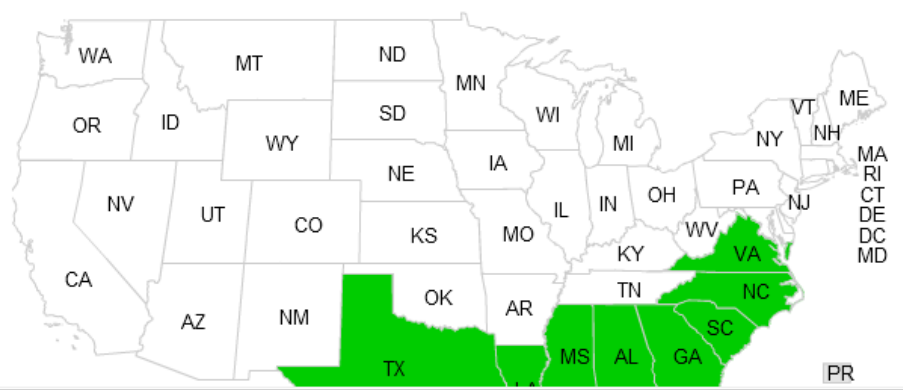
flashmaps

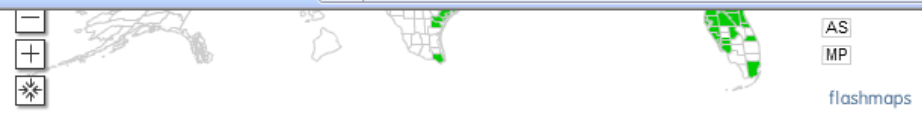


EDDMapS Distribution:

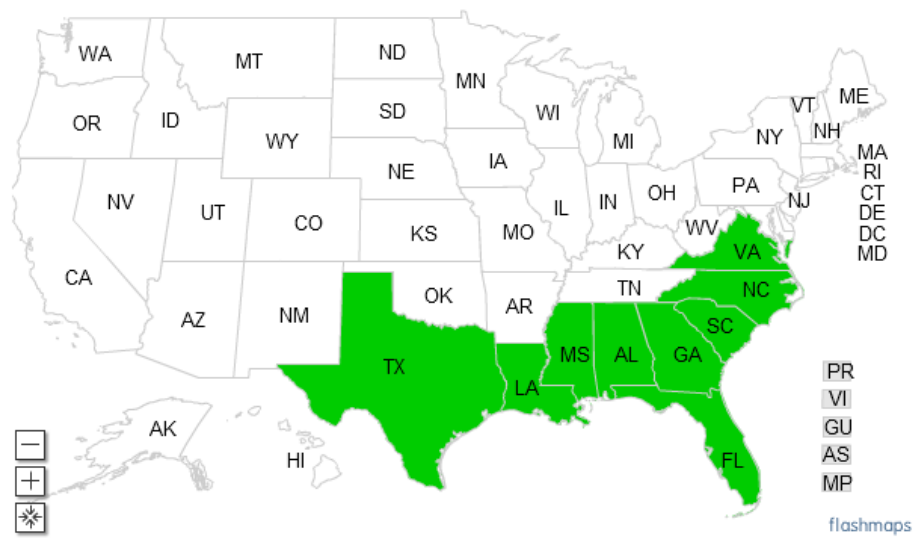


U.S. State(s) where reported invasive:





U.S. State(s) where reported invasive:



U.S. National Parks where reported invasive:

Vicksburg National Military Park (Mississippi)

Native Alternatives:

- Acer grandidentatum* (bigtooth maple)
- Acer negundo* (boxelder)
- Cercis canadensis* (eastern redbud)
- Cercis canadensis var. mexicana* (Mexican redbud)
- Cercis canadensis var. texensis* (Texas redbud)
- Ulmus crassifolia* (cedar elm)



More Information on Native Plants at: www.beplantwise.org

U.S. National Parks where reported invasive:

Vicksburg National Military Park (Mississippi)

Native Alternatives:

- Acer grandidentatum* (bigtooth maple)
- Acer negundo* (boxelder)
- Cercis canadensis* (eastern redbud)
- Cercis canadensis var. mexicana* (Mexican redbud)
- Cercis canadensis var. texensis* (Texas redbud)
- Ulmus crassifolia* (cedar elm)



More Information on Native Plants at:
www.beplantwise.org

PlantWise is a partnership between the National Park Service, Lady Bird Johnson Wildflower Center, The Garden Club of America and The National Invasive Species Council to prevent harmful invasive plants from invading natural areas.

Invasive Listing Sources:

- Faith Campbell, 1998. Plants that Hog the Garden: Invasive Plants in the United States. Fine Gardening Online
- Florida Exotic Pest Plant Council
- Georgia Exotic Pest Plant Council, 2001
- Gulf of Mexico Regional Panel, Aquatic Nuisance Species Annual Report, 2001
- Jackie Poole, Texas Parks and Wildlife Department (personal communication),
- John Randall, The Nature Conservancy, Survey of TNC Preserves, 1995.
- National Wildlife Refuge Association, Silent Invasion: A Call to Action from the National Wildlife Refuge Association, 2002. Washington DC. 17 pp.
- Reichard, Sarah. 1994. Assessing the potential of invasiveness in woody plants introduced in North America. University of Washington Ph.D. dissertation.



Website developed by [The University of Georgia - Center for Invasive Species and Ecosystem Health](#) in cooperation with the [Plant Conservation Alliance's Alien Plant Working Group](#), [National Park Service](#), [USDA Forest Service](#), [National Association of Exotic Pest Plant Councils](#), [Lady Bird Johnson Wildflower Center](#) and [USDA NRCS PLANTS Database](#).

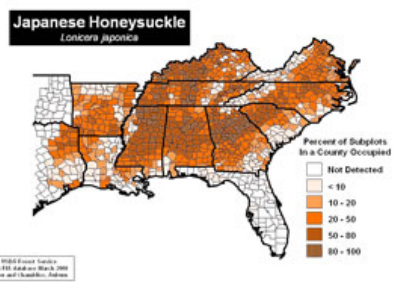


Invasive Species Distribution Maps



EDDMapS - Early Detection and Distribution Mapping System includes distribution maps for over 1000 invasive plants in the United States both at county level and point level.

- [EDDMapS](#)
- [Southeast EPPC EDDMapS](#)
- [Florida EPPC EDDMapS](#)
- [Everglades Cisma EDDMapS \(includes invasive wildlife\)](#)



Maps of Occupation and Estimates of Acres Covered by Nonnative Invasive Plants in Southern Forests
Regional Maps of occupation and coverage estimates are accessible for 33 recognized nonnative plants invading forests of the 13 southern States using U.S. Forest Service's Southern Research Station Forest Inventory and Analysis data.

[U.S. Forest Service Southern Region FIA - Invasive Plant Maps](#)



PestTracker is the public access web site of the National Agricultural Pest Information System (NAPIS), the agricultural pest tracking database of the US Department of Agriculture Animal and Plant Health Inspection Service (APHIS) Plant Protection and Quarantine (PPQ) Cooperative Agricultural Pest Survey (CAPS).

EDDMapS

Early Detection & Distribution Mapping System

Username:
Password:
[Join Now \(Free\)](#) [Lost your password?](#)

- Report Sightings
- Distribution Maps
- Species Information
- Tools & Training
- My EDDMapS
- About

Invasive Species Mapping Made Easy!



- EDDMapS, started in 2005 with Southeastern U.S. focus, is now providing a picture of the distribution of invasive species across the U.S.
- ✓ Fast and easy to use - no knowledge of GIS required
 - ✓ Web-based mapping of invasive species distribution to help fill gaps and identify "leading edge" ranges
 - ✓ Facilitates Early Detection and Rapid Response implementation with online data entry forms, e-mail alerts and network of expert verifiers
 - ✓ One Database for both local and national data
 - ✓ Data can be searched, queried and downloaded in a variety of formats
 - ✓ Cooperates with and aggregates data from other invasive species mapping projects
 - ✓ Custom/hosted applications can be quickly and inexpensively developed

Who's Using It?

- ✓ Southeast Exotic Pest Plant Council
- ✓ Florida Exotic Pest Plant Council
- ✓ Everglades Cooperative Invasive Species Management Area
- ✓ Florida Invasive Species Partnership
- ✓ Alaska Exotic Plant Information Clearinghouse
- ✓ Invaders of Texas

Statistics

594,954 County Reports
222,304 Point Reports
1,661 Species / 553 Users

Recent Reports

- ✓ Chinese tallowtree by Paul Still in Bradford County, Florida
- ✓ cogongrass by Paul Still in Bradford County, Florida
- ✓ cogongrass by Paul Still in Bradford County, Florida
- ✓ cogongrass by Paul Still in Bradford County, Florida
- ✓ cogongrass by Paul Still in Bradford County, Florida

Map It!



Quickly Enter or Select on a Map the Location of Invasive Species in Your Area

Zap It!



Remove or Treat the Invasive Species You Find, Use EDDMapS to Document that Treatment

Map it Again!



Monitor the Occurrence, Report the Monitoring Efforts and Follow-up Treatments

Report Images





Welcome:
 Chuck Bargeron, UGA
[Logout](#)

[Report Sightings](#)

[Distribution Maps](#)

[Species Information](#)

[Tools & Training](#)

[My EDDMapS](#)

[About](#)

Distribution Maps

Click on each species to view state, county and point distribution maps.

Plants - 1089 Species

Subject Name	Scientific Name ↓
hairy Indian mallow	<i>Abutilon grandifolium</i> (Willd.) Sweet
velvetleaf	<i>Abutilon theophrasti</i> Medik
earleaf acacia	<i>Acacia auriculiformis</i> A. Cunningham ex Benth.
small Philippine acacia	<i>Acacia confusa</i> Merr
Sydney golden wattle	<i>Acacia longifolia</i> (Andr.) Willd.
black wattle	<i>Acacia mearnsii</i> de Wildeman.
black acacia	<i>Acacia melanoxylon</i> R. Br. ex Ait. f.
everblooming acacia	<i>Acacia retinodes</i> Schlecht.
hedge maple	<i>Acer campestre</i> L.
Amur maple	<i>Acer ginnala</i> Maxim.
Japanese maple	<i>Acer palmatum</i> Thunb.
Norway maple	<i>Acer platanoides</i> L.
Sycamore maple	<i>Acer pseudoplatanus</i> L.
fernleaf yarrow	<i>Achillea filipendulina</i> Lam.
common yarrow	<i>Achillea millefolium</i> L.
sneezewort yarrow	<i>Achillea ptarmica</i> L.

[Report Sightings](#)
[Distribution Maps](#)
[Species Information](#)
[Tools & Training](#)
[My EDDMapS](#)
[About](#)

Species Information

Click on each species to view information, image and references on Invasive.org.

Plants - 218 Species of Most Concern Across the U.S.

Subject Name	Scientific Name ↓
Amur maple	<i>Acer ginnala</i> Maxim.
Norway maple	<i>Acer platanoides</i> L.
Russian knapweed	<i>Acroptilon repens</i> (L.) DC.
jointed goatgrass	<i>Aegilops cylindrica</i> Host
bishops goutweed	<i>Aegopodium podagraria</i> L.
tree-of-heaven	<i>Ailanthus altissima</i> (P. Mill.) Swingle
chocolate vine	<i>Akebia quinata</i> (Houtt.) Dcne.
mimosa	<i>Albizia julibrissin</i> Durazz.
camelthorn	<i>Alhagi maurorum</i> Medik
garlic mustard	<i>Alliaria petiolata</i> (Bieb.) Cavara & Grande
wild garlic	<i>Allium vineale</i> L.
alligatorweed	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.
Amur peppervine	<i>Ampelopsis brevipedunculata</i> (Maxim.) Trautv.
common burdock	<i>Arctium minus</i> Bernh.
coral ardisia	<i>Ardisia crenata</i> Sims
shoebuttan ardisia	<i>Ardisia elliptica</i> Thunb

EDDMapS

Early Detection & Distribution Mapping System

Welcome:
Chuck Bargeron, UGA
Logout

[Report Sightings](#)[Distribution Maps](#)[Species Information](#)[Tools & Training](#)[My EDDMapS](#)[About](#)

Tools and Training Materials



Database Tools

- ✓ [Statistics](#)
- ✓ [Access/Download Point Data](#)
- ✓ [Recently Added Records](#)
- ✓ [View Plants by County](#)

Mapping Tools

- ✓ [Find a Location](#)
- ✓ [Calculate Area of a Polygon](#)
- ✓ [Latitude/Longitude Converter](#)
- ✓ [Geocode a Physical Address](#)

Control Resources

- ✓ [General Principles for Controlling Nonnative Invasive Plants](#)
- ✓ [Weed Control Methods Handbook](#)
- ✓ [Prescriptions for Specific Nonnative Invasive Plants](#)
- ✓ [Control of Problem Weeds in Range and](#)



Training Materials

- ✓ [SE-EPPC EDDMapS Project Introduction](#)
- ✓ [Introduction to GIS/GPS](#)
- ✓ [Introduction to Plant Photography](#)
- ✓ [How to Retrieve data from EDDMapS](#)
- ✓ [Entering Data into SE-EPPC EDDMapS](#)

- ✓ [Choosing a GPS Receiver](#)
- ✓ [Status- and Risk-Assessments of Invasive Plants](#)
- ✓ [Herbarium Collecting Guidelines](#)
- ✓ [Anatomy of a Herbarium Label](#)
- ✓ [Herbarium Mounting Guidelines](#)

- ✓ [SE-EPPC Mapping Project Data Collection Form - Adobe Acrobat](#)
- ✓ [SE-EPPC Mapping Project Data Collection Form - Microsoft Word](#)
- ✓ [SE-EPPC Invasive Species Mapping Project White Paper](#)

My EDDMapS

Manage your reports, alerts and account settings.



Your Stats

- ✓ 19 reports
- ✓ 5 species
- ✓ 10 counties



Your Data

- ✓ Report an Observation
- ✓ Manage My Reports
- ✓ Upload Data
- ✓ Download My Data
- ✓ Edit My Profile



Your Alerts

- ✓ Create an Alert
- ✓ Manage My Alerts



[Report Sightings](#)[Distribution Maps](#)[Species Information](#)[Tools & Training](#)[My EDDMapS](#)[About](#)

About EDDMapS

Articles, Presentations and Contact Information.

Articles:

[EDDMapS for the Southeast Exotic Pest Plant Council - Wildland Weeds: Fall 2007](#)
[Standing Guard Against Invasion - Timberlines: Winter 2008](#)

Presentations:

[Southeast EPPC - March 20, 2007](#)
[Florida EPPC - May 2, 2007](#)
[Everglades CISMA - July 25, 2007](#)
[Mid-Atlantic EPPC - August 15, 2007](#)
[Invasive Species Working Group - August 30, 2007](#)
[Georgia EPPC Coastal Workshop - September 18, 2007](#)
[SAMAB Workshop - Stop Invasions Now! - October 23, 2007](#)
[U.S. Fish and Wildlife Service Invasive Species Meeting - January 31, 2008](#)
[Invasive Species in Natural Areas - February 14, 2008](#)
[Alaska Exotic Plant Information Clearinghouse Phase 2 - April 3, 2008](#)
[Georgia EPPC - September 19, 2008](#)

Partners and Cooperators

[Southeast Exotic Pest Plant Council](#)
[Florida Exotic Pest Plant Council](#)
[Everglades Cooperative Invasive Species Management Area](#)
[National Park Service](#)

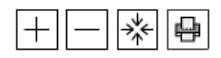
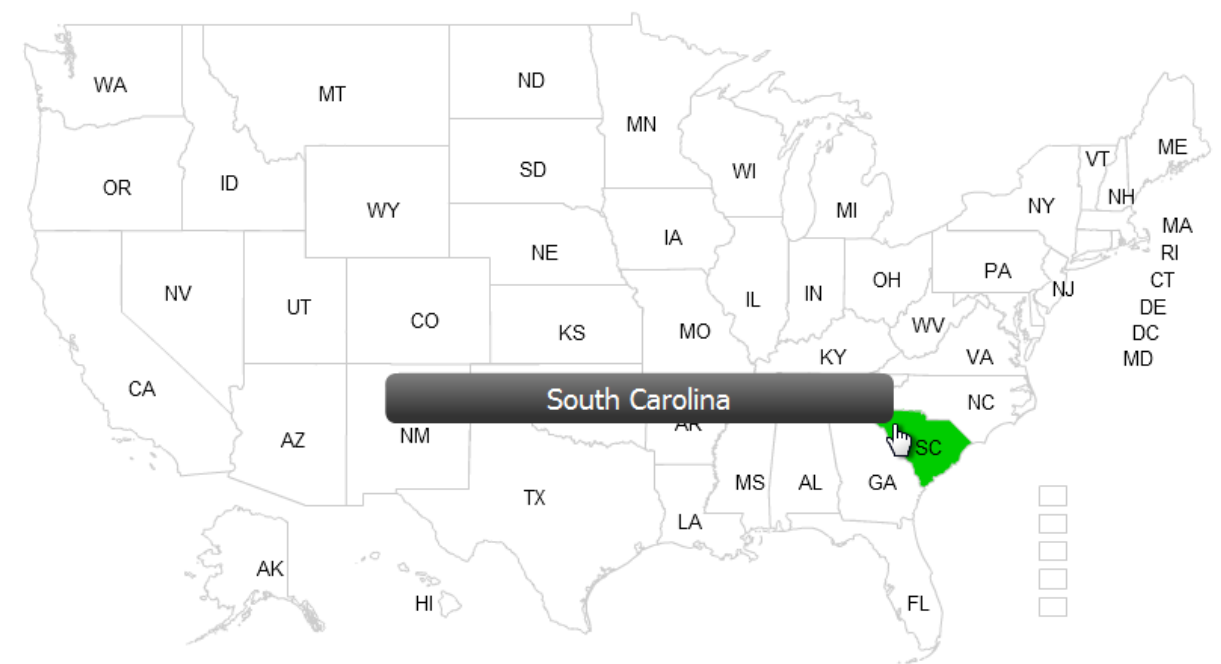
EDDMapS

Early Detection & Distribution Mapping System

Welcome:
Chuck Bargeron, UGA
Logout

- Report Sightings
- Distribution Maps
- Species Information
- Tools & Training
- My EDDMapS
- About

Select State to Report Invasive Species Occurrence



flashmaps



Welcome: Chuck Bargeron, UGA Logout

- Report Sightings
- Distribution Maps
- Species Information
- Tools & Training
- My EDDMapS
- About

Report an Invasive Species Occurrence

Please provide as much information about the sighting as possible.

Species:

Pest: Select One

To report a pest not listed, e-mail bugwood@uga.edu.

Infestation:

Observation Date: [] (?)

Infested Area: [] Select One (?)

Gross Area: [] Select One (?)

Habitat: Select One (?)

Canopy Closure: Select One (?)

Abundance/Density: Select One

Patch Type: Select One

Plant Description: In Flower In Fruit Seedlings/Rosettes Seeds Dormant/Dead Unknown

Location:

County: Select One

Latitude: []
Must be expressed in Decimal Degrees (XX.XXXX) and DATUM NAD83/WGS84.

Longitude: []
Must be expressed in Decimal Degrees (XX.XXXX) and DATUM NAD83/WGS84.

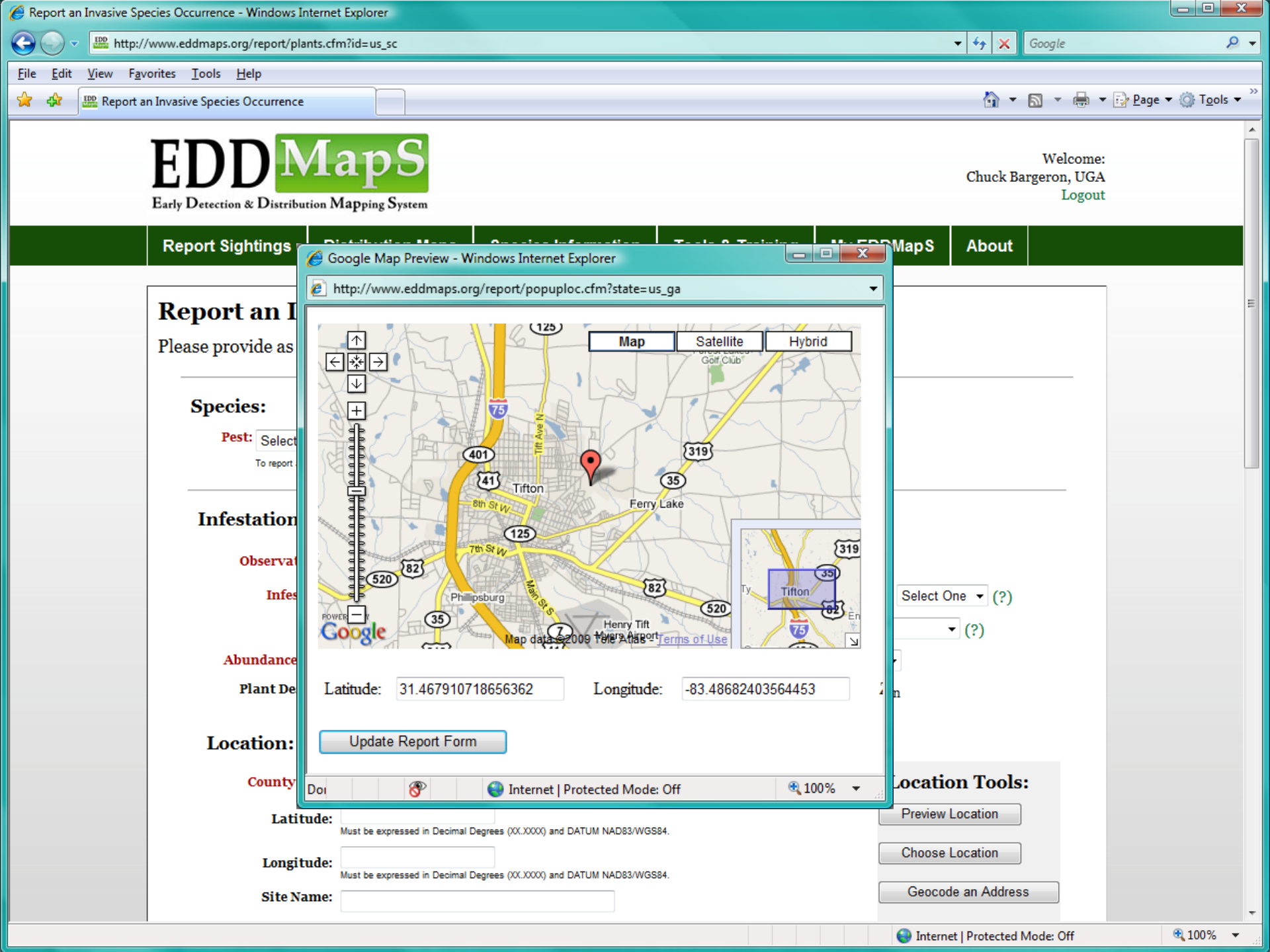
Site Name: []

Location Tools:

Preview Location

Choose Location

Geocode an Address



EDD Maps

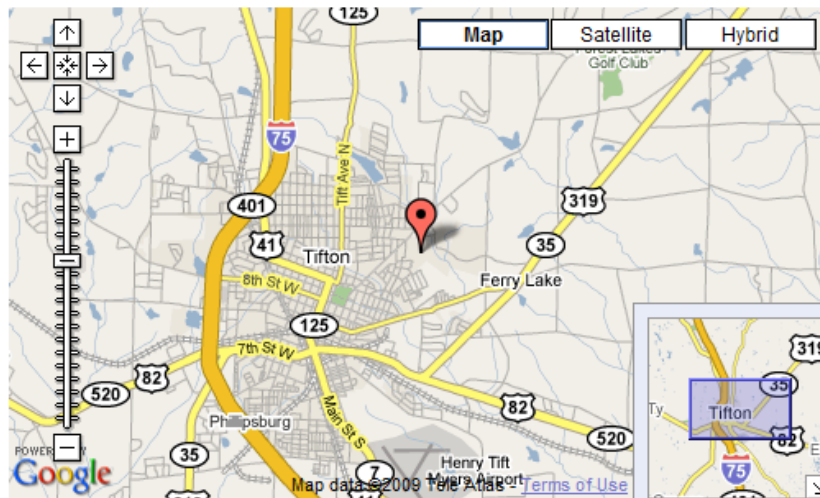
Early Detection & Distribution Mapping System

Welcome:
Chuck Barger, UGA
Logout

Report Sightings

Google Map Preview - Windows Internet Explorer

http://www.eddmaps.org/report/popuploc.cfm?state=us_ga



Latitude: 31.467910718656362

Longitude: -83.48682403564453

Update Report Form

Location:

County:

Latitude:

Must be expressed in Decimal Degrees (XX.XXXX) and DATUM NAD83/WGS84.

Longitude:

Must be expressed in Decimal Degrees (XX.XXXX) and DATUM NAD83/WGS84.

Site Name:

Location Tools:

Preview Location

Choose Location

Geocode an Address

Internet | Protected Mode: Off

100%

Location:

County:

Latitude:
Must be expressed in Decimal Degrees (XX.XXXX) and DATUM NAD83/WGS84.

Longitude:
Must be expressed in Decimal Degrees (XX.XXXX) and DATUM NAD83/WGS84.

Site Name:

Ownership: (?)
* If reporting infestation on private land, be sure to have landowner's permission.

Location Description:

Location Tools:

Upload Images with Your Report:

For verification purposes, take at least two digital images, a close up of the species and one of the site.

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

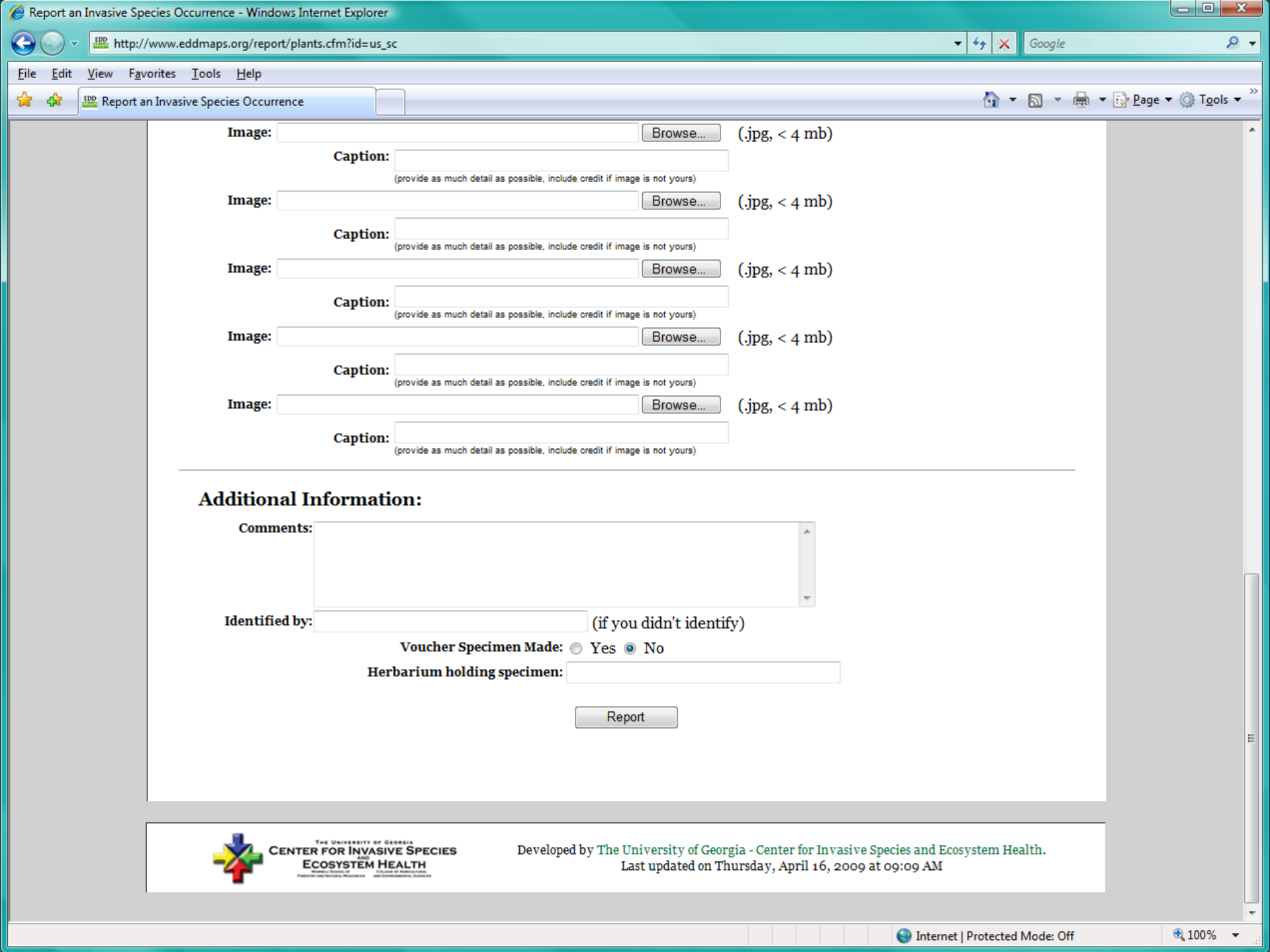


Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

Image: (.jpg, < 4 mb)

Caption:
(provide as much detail as possible, include credit if image is not yours)

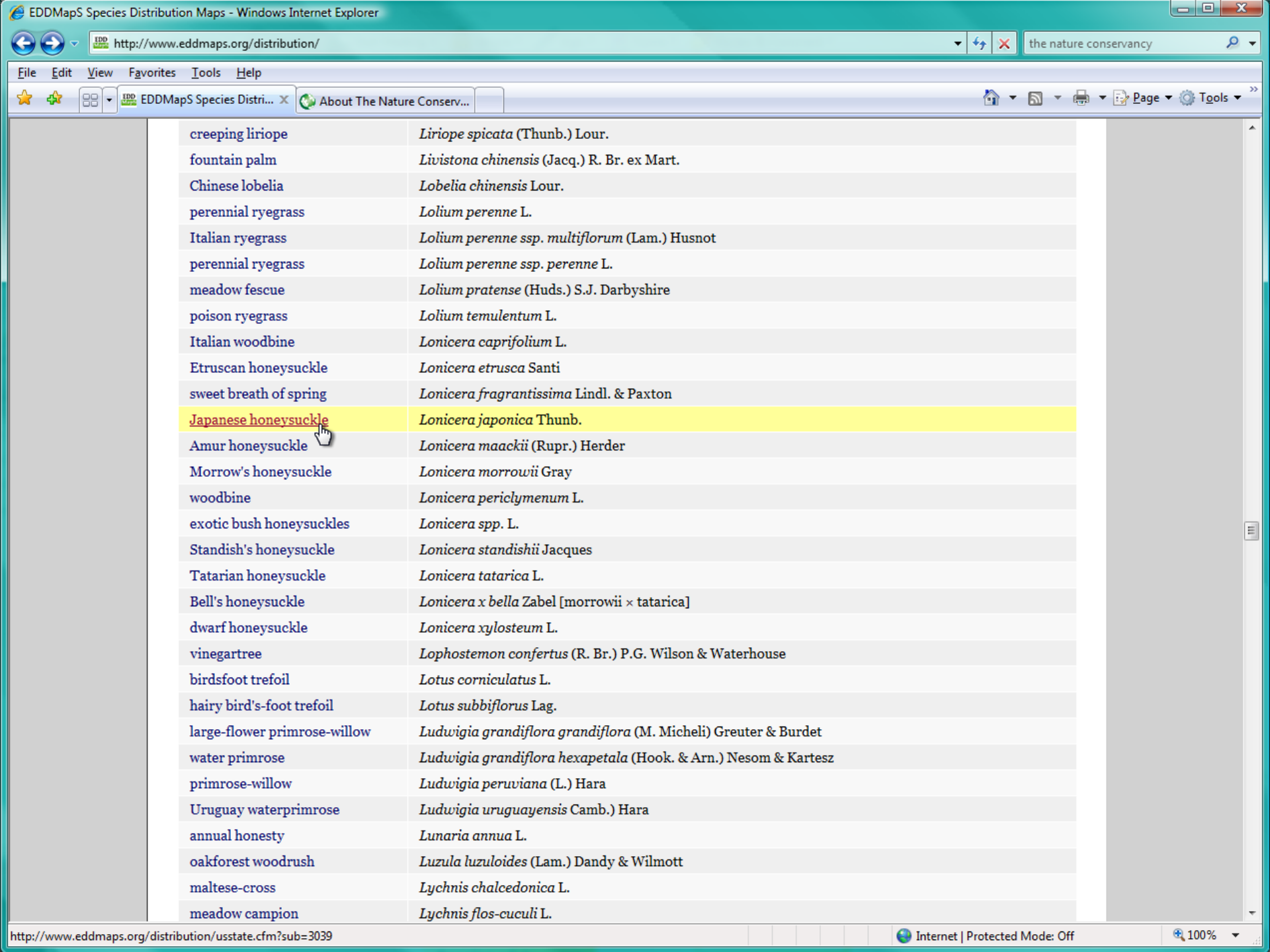
Additional Information:

Comments:

Identified by: (if you didn't identify)

Voucher Specimen Made: Yes No

Herbarium holding specimen:



creeping liriop	<i>Liriope spicata</i> (Thunb.) Lour.
fountain palm	<i>Livistona chinensis</i> (Jacq.) R. Br. ex Mart.
Chinese lobelia	<i>Lobelia chinensis</i> Lour.
perennial ryegrass	<i>Lolium perenne</i> L.
Italian ryegrass	<i>Lolium perenne ssp. multiflorum</i> (Lam.) Husnot
perennial ryegrass	<i>Lolium perenne ssp. perenne</i> L.
meadow fescue	<i>Lolium pratense</i> (Huds.) S.J. Darbyshire
poison ryegrass	<i>Lolium temulentum</i> L.
Italian woodbine	<i>Lonicera caprifolium</i> L.
Etruscan honeysuckle	<i>Lonicera etrusca</i> Santi
sweet breath of spring	<i>Lonicera fragrantissima</i> Lindl. & Paxton
Japanese honeysuckle	<i>Lonicera japonica</i> Thunb.
Amur honeysuckle	<i>Lonicera maackii</i> (Rupr.) Herder
Morrow's honeysuckle	<i>Lonicera morrowii</i> Gray
woodbine	<i>Lonicera periclymenum</i> L.
exotic bush honeysuckles	<i>Lonicera spp.</i> L.
Standish's honeysuckle	<i>Lonicera standishii</i> Jacques
Tatarian honeysuckle	<i>Lonicera tatarica</i> L.
Bell's honeysuckle	<i>Lonicera x bella</i> Zabel [morrowii × tatarica]
dwarf honeysuckle	<i>Lonicera xylostenum</i> L.
vinegartree	<i>Lophostemon confertus</i> (R. Br.) P.G. Wilson & Waterhouse
birdsfoot trefoil	<i>Lotus corniculatus</i> L.
hairy bird's-foot trefoil	<i>Lotus subbiflorus</i> Lag.
large-flower primrose-willow	<i>Ludwigia grandiflora grandiflora</i> (M. Micheli) Greuter & Burdet
water primrose	<i>Ludwigia grandiflora hexapetala</i> (Hook. & Arn.) Nesom & Kartesz
primrose-willow	<i>Ludwigia peruviana</i> (L.) Hara
Uruguay waterprimrose	<i>Ludwigia uruguayensis</i> Camb.) Hara
annual honesty	<i>Lunaria annua</i> L.
oakforest woodrush	<i>Luzula luzuloides</i> (Lam.) Dandy & Wilmott
maltese-cross	<i>Lychnis chalcedonica</i> L.
meadow campion	<i>Lychnis flos-cuculi</i> L.

EDDMapS

Early Detection & Distribution Mapping System

Welcome:
Chuck Barger, UGA
Logout

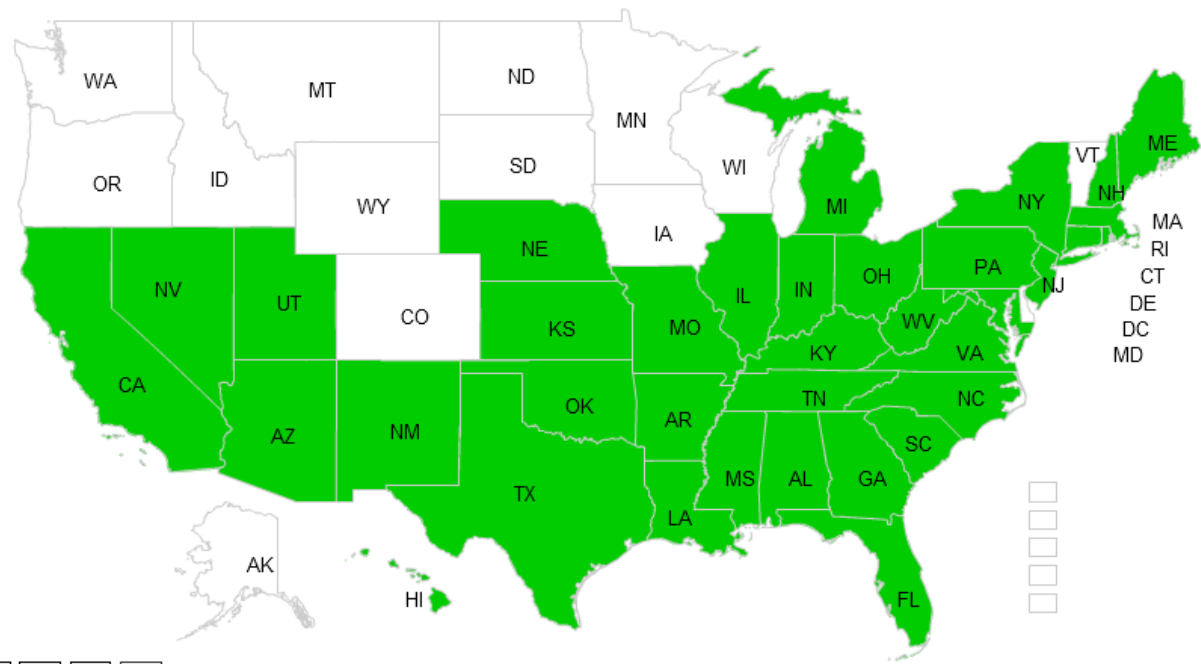
- Report Sightings
- Distribution Maps
- Species Information
- Tools & Training
- My EDDMapS
- About

Japanese honeysuckle

Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [County](#) / [Southeast](#) / [Points on Google Maps](#)



EDDMapS

Early Detection & Distribution Mapping System

Welcome:
Chuck Barger, UGA
Logout

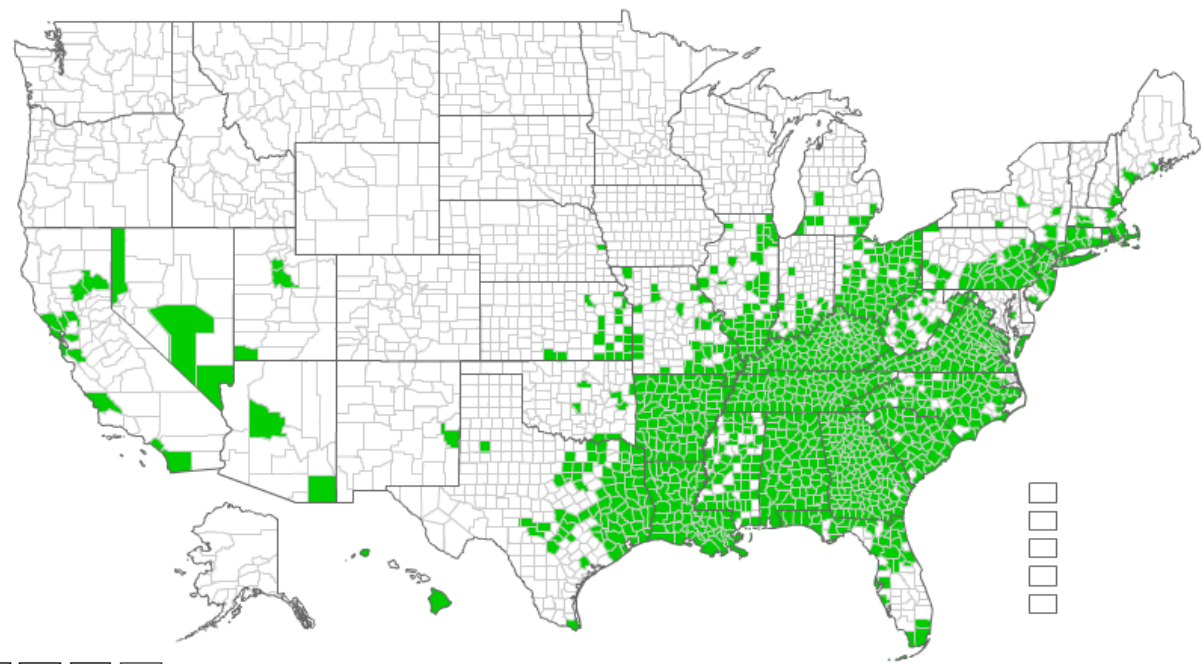
- Report Sightings
- Distribution Maps
- Species Information
- Tools & Training
- My EDDMapS
- About

Japanese honeysuckle

Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [Southeast](#) / [Points on Google Maps](#)



-
-
-
-
-



flashmaps

EDDMapS

Early Detection & Distribution Mapping System

Welcome:
Chuck Barger, UGA
Logout

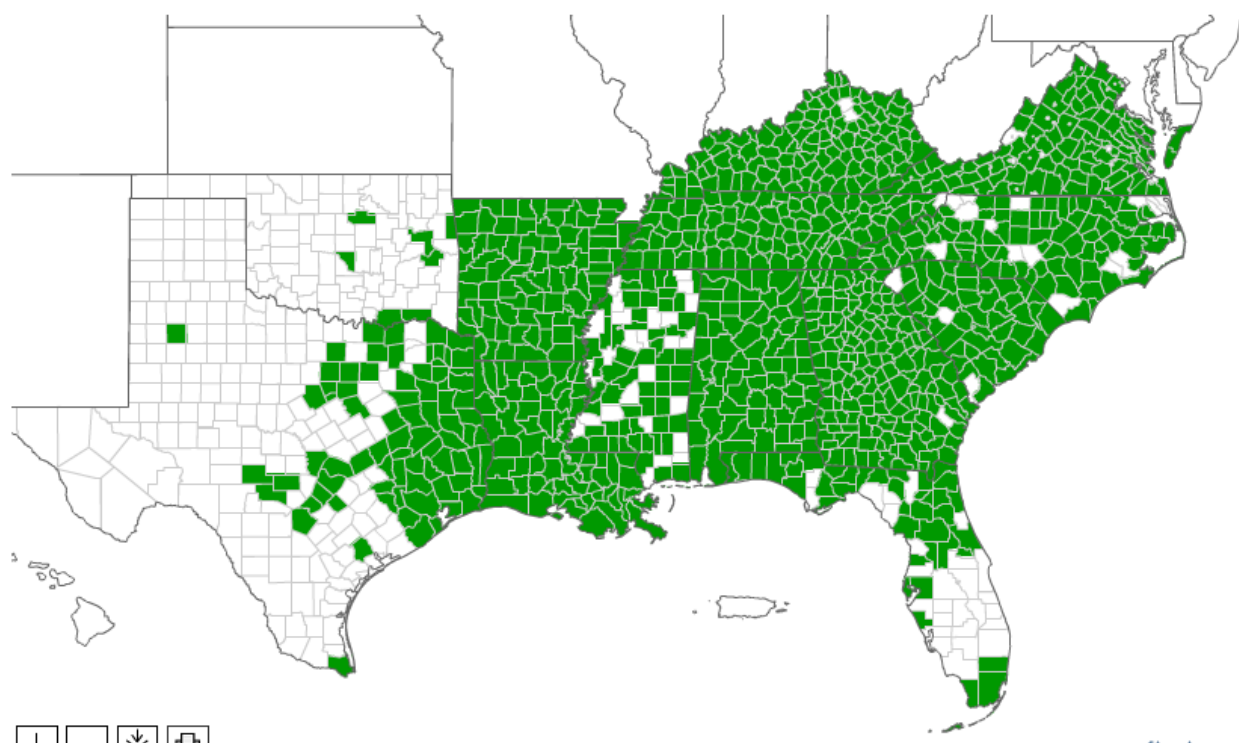
- Report Sightings
- Distribution Maps
- Species Information
- Tools & Training
- My EDDMapS
- About

Japanese honeysuckle

Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Points on Google Maps](#)



Japanese honeysuckle

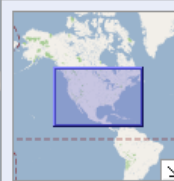
Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Southeast](#)

Multiple Points Single Point

Print Link to this View Excel Google Earth





Japanese honeysuckle

Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Southeast](#)

 Multiple Points  Single Point

 [Print](#)  [Link to this View](#)  [Excel](#)  [Google Earth](#)



Japanese honeysuckle

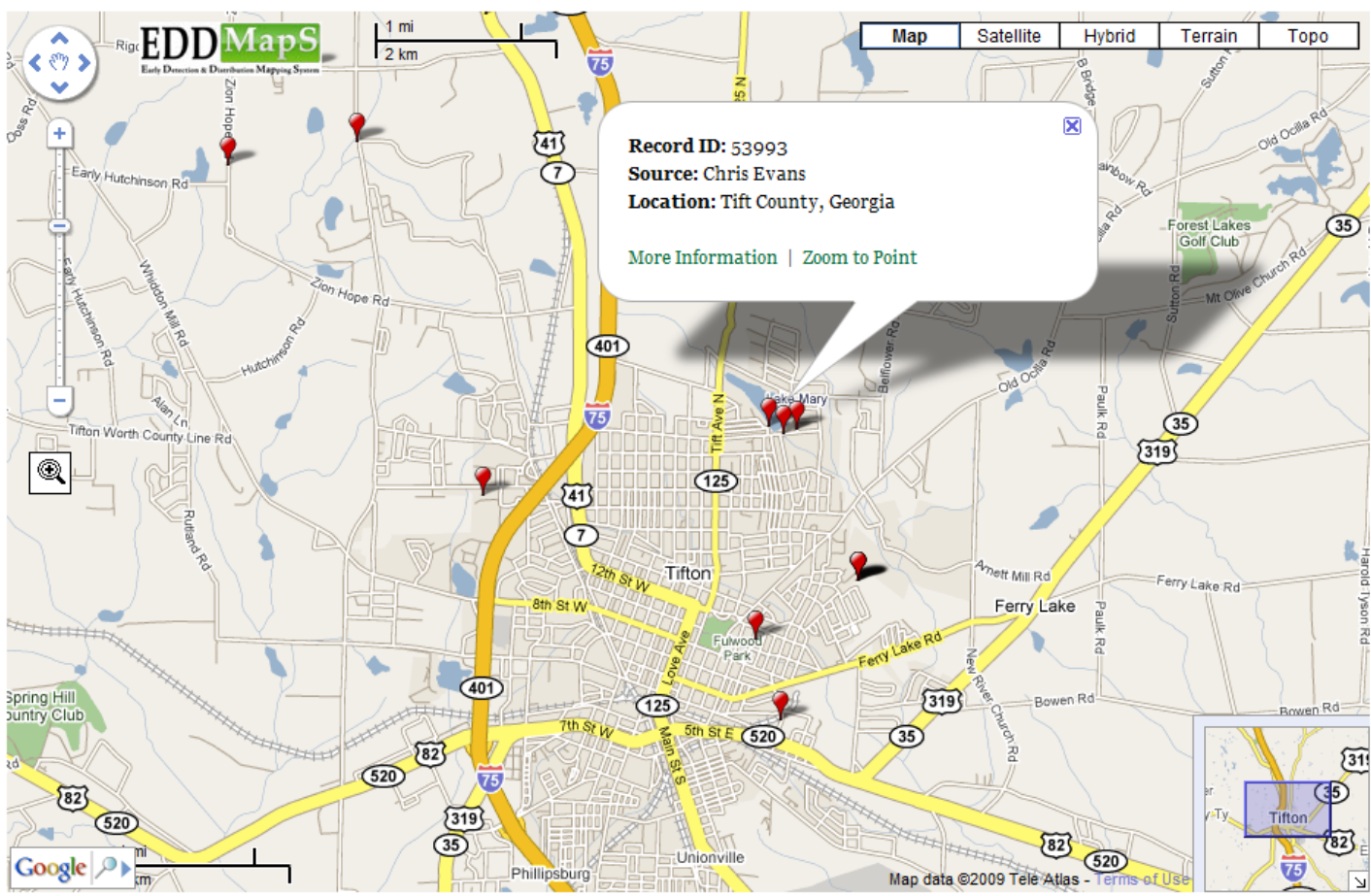
Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Southeast](#)

Multiple Points Single Point

Print Link to this View Excel Google Earth



Japanese honeysuckle

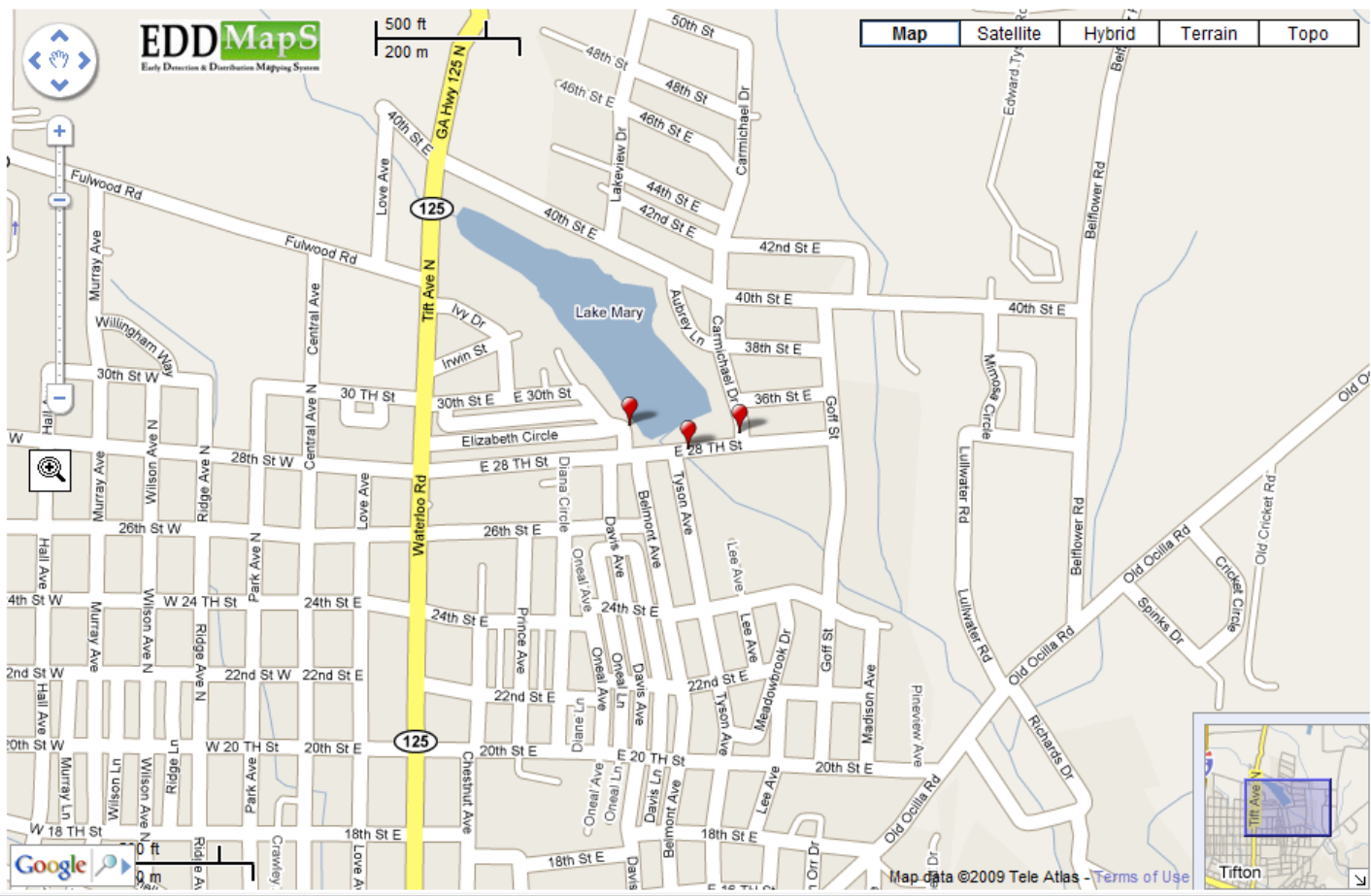
Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Southeast](#)

Multiple Points Single Point

Print Link to this View Excel Google Earth





Japanese honeysuckle

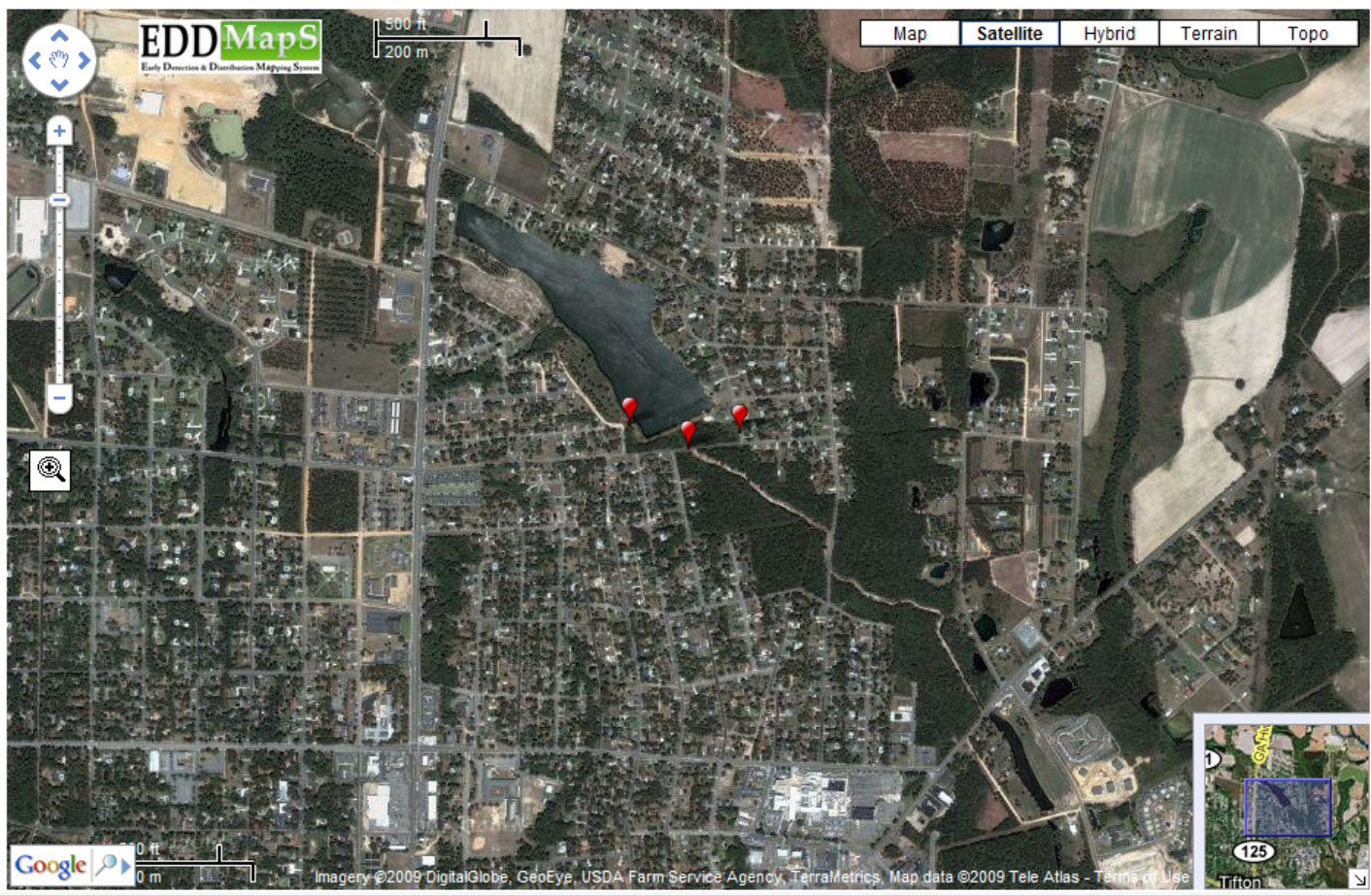
Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Southeast](#)

 Multiple Points  Single Point

 [Print](#)  [Link to this View](#)  [Excel](#)  [Google Earth](#)



Japanese honeysuckle

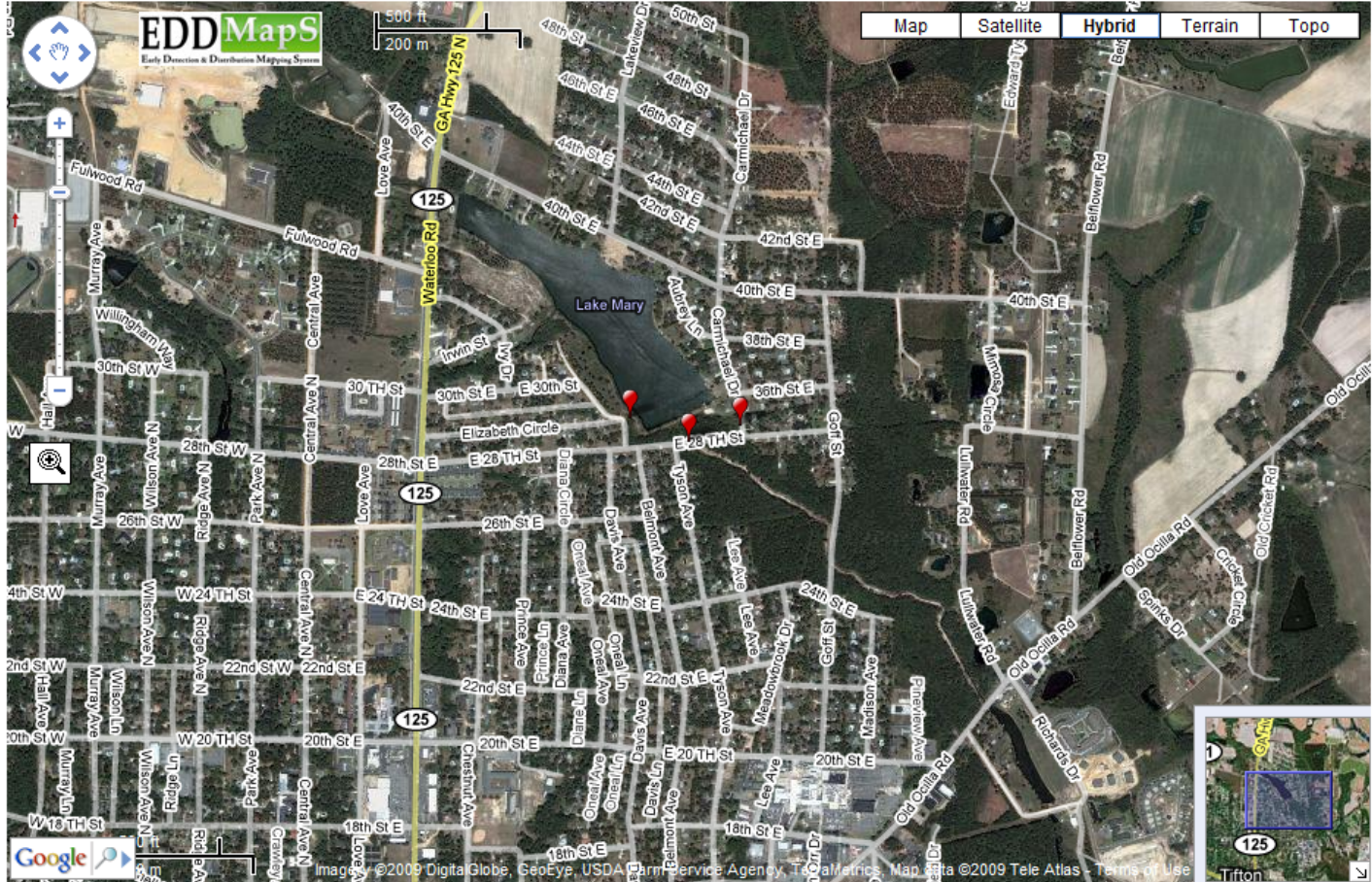
Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Southeast](#)

Multiple Points Single Point

Print Link to this View Excel Google Earth



Japanese honeysuckle

Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Southeast](#)

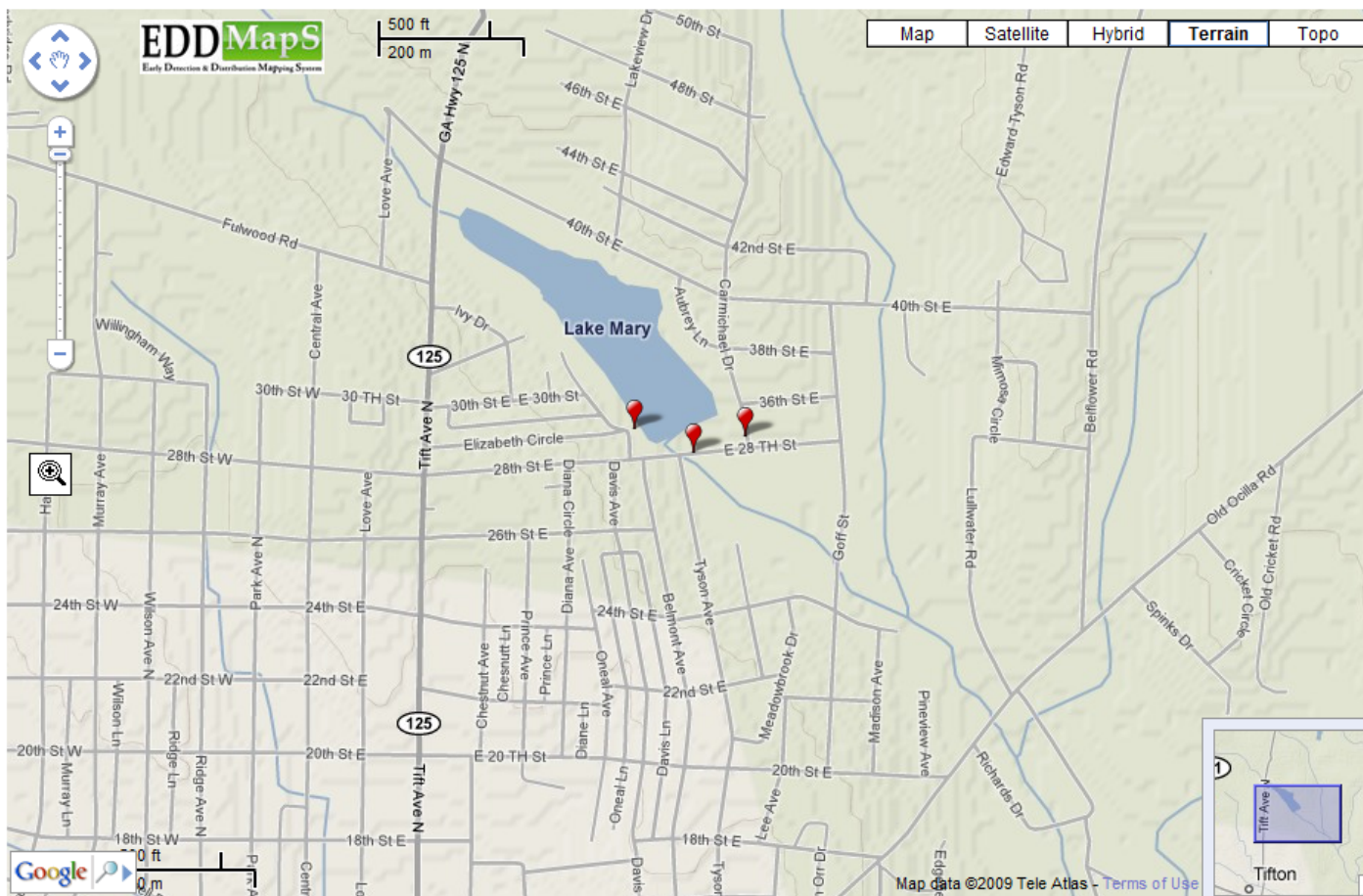


Multiple Points



Single Point

[Print](#) [Link to this View](#) [Excel](#) [Google Earth](#)



Japanese honeysuckle

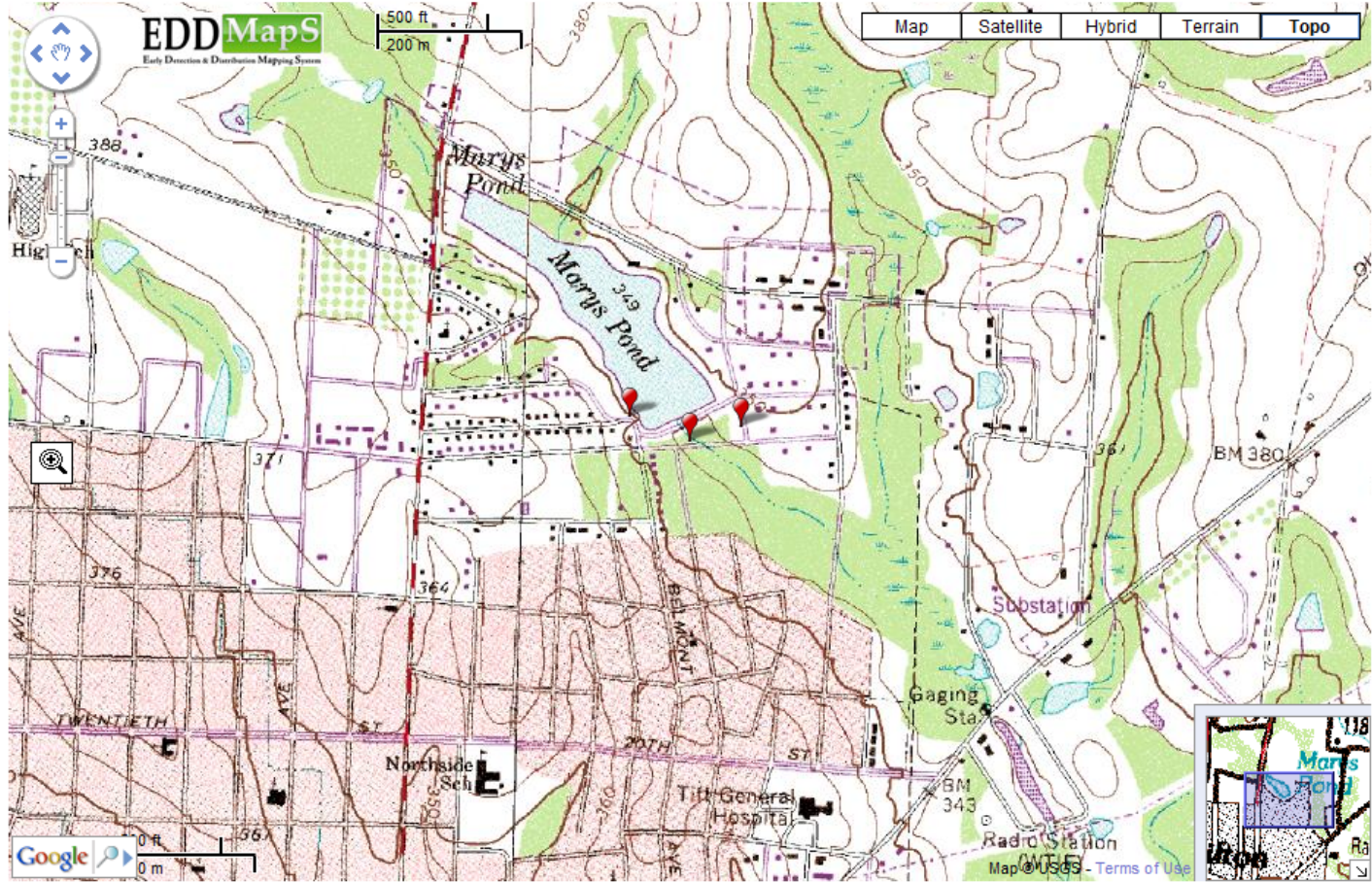
Lonicera japonica Thunb.

USDA PLANTS Symbol: LOJA
WeedUS Database

Distribution Maps: [State](#) / [County](#) / [Southeast](#)

Multiple Points Single Point

Print Link to this View Excel Google Earth



[Report Sightings](#)
[Distribution Maps](#)
[Species Information](#)
[Tools & Training](#)
[My EDDMapS](#)
[About](#)

Japanese honeysuckle

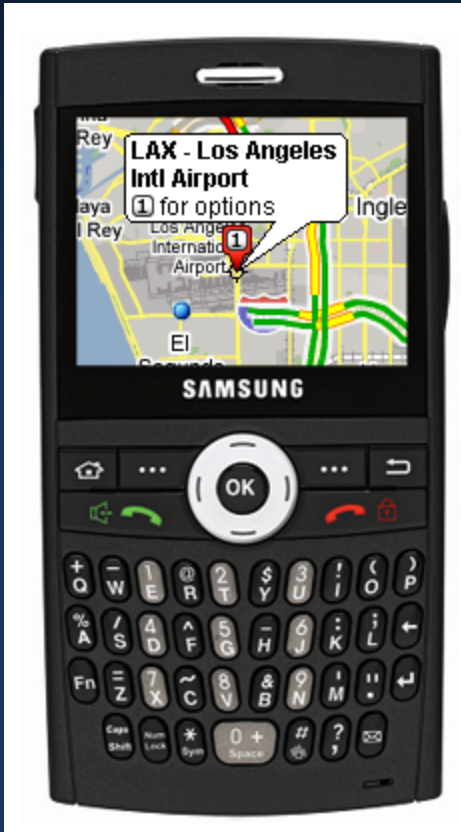
Lonicera japonica Thunb.

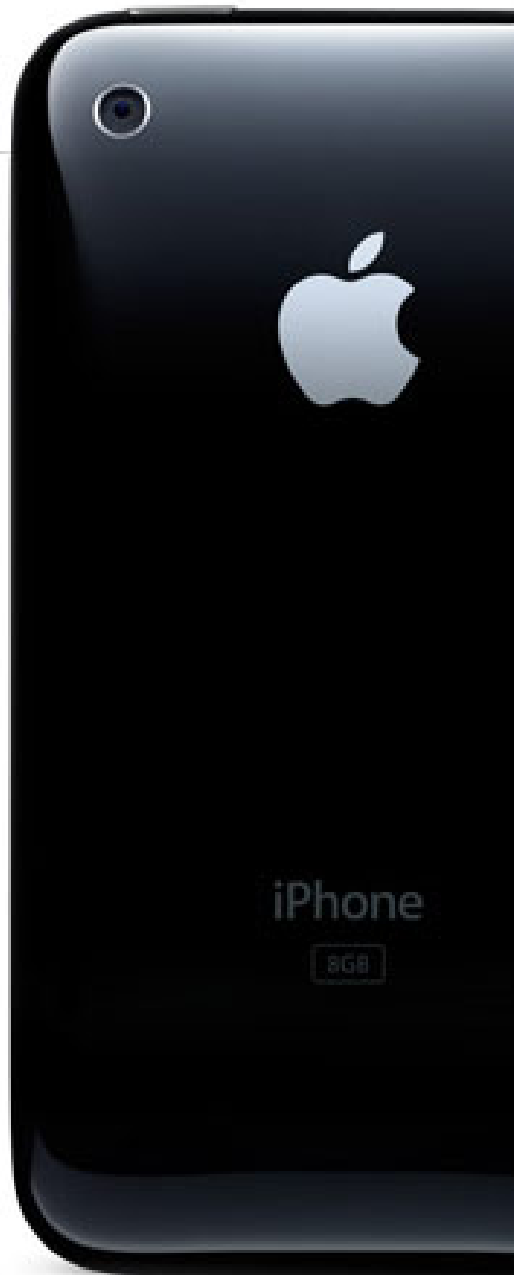
USDA PLANTS Symbol: LOJA
[WeedUS Database](#)

Distribution Maps: [State](#) / [County](#) / [Southeast](#) / [Points on Google Maps](#)

Record ID:	88858
Location:	Tift County, Georgia
Source:	Chuck Bargeron, UGA
Habitat:	Right-of-Way
Abundance:	Single Plant
Area Infested:	6 sq feet
Coordinates:	31.4656412494, -83.4862983227
NADatum:	NAD83
Ownership:	Private Landowner
Canopy Cover:	Moderate
Status:	Not Verified
Observation Date	March 14, 2007
Date Entered	March 14, 2007

Mobile EDDMapS





Our Team:



More Information

www.invasive.org

www.eddmaps.org

Free Publications in Hall