

Invasive Plant Update

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and
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Chinese tallowtree



lateral root -
~36 ft

Photos: Stephen Enloe

- Preliminary results
 - Chinese tallowtree study
 - Clearcast pilot study
- Plant listing update



Tallowtree control study

- 2 sites
 - Montgomery (black belt)
 - Wetumpka
- 3 control methods
 - Cut stump
 - Basal bark
 - Foliar
- Several herbicides and rates
- Funded by Forest Service

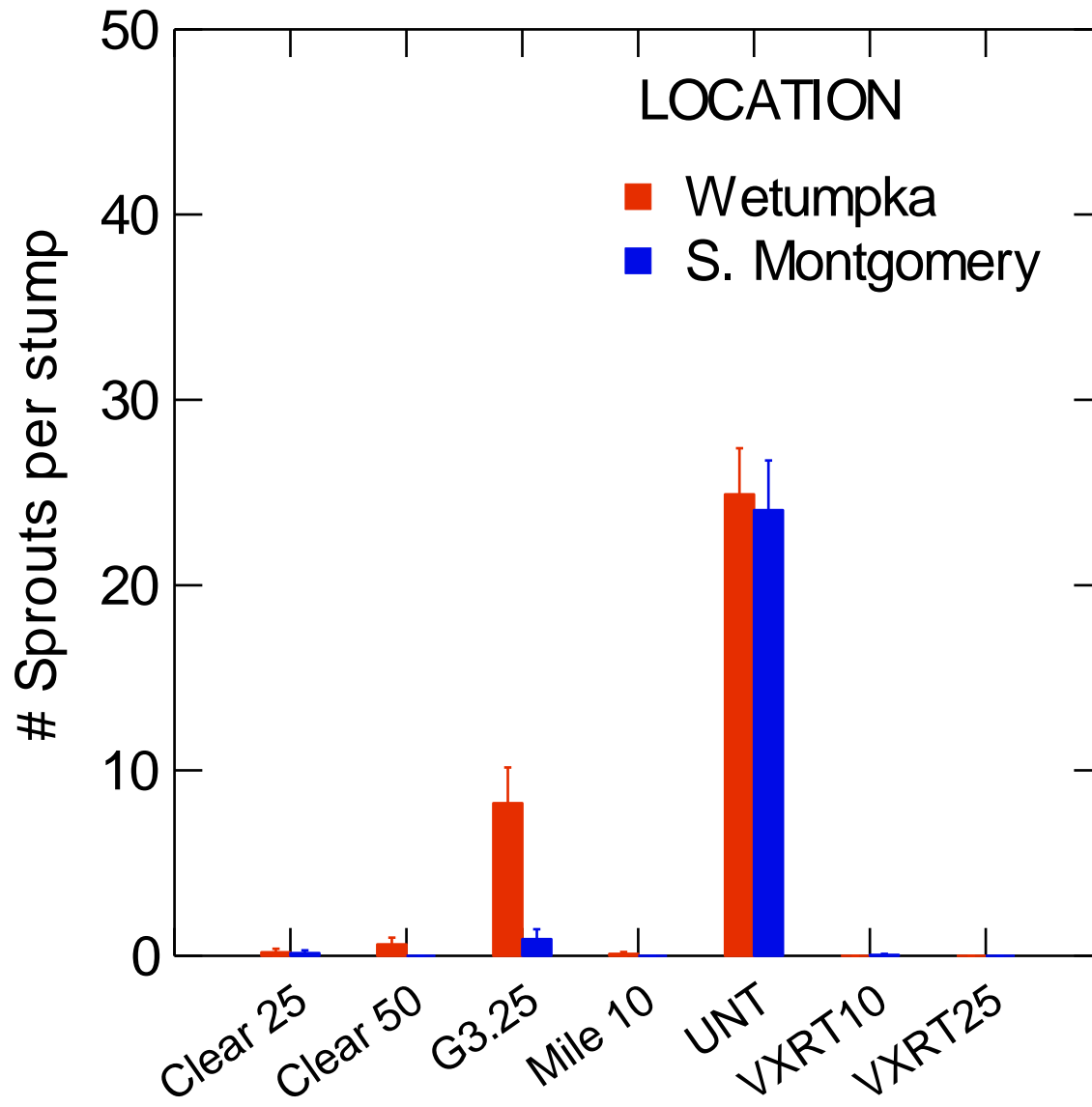


Cut Stump Treatments

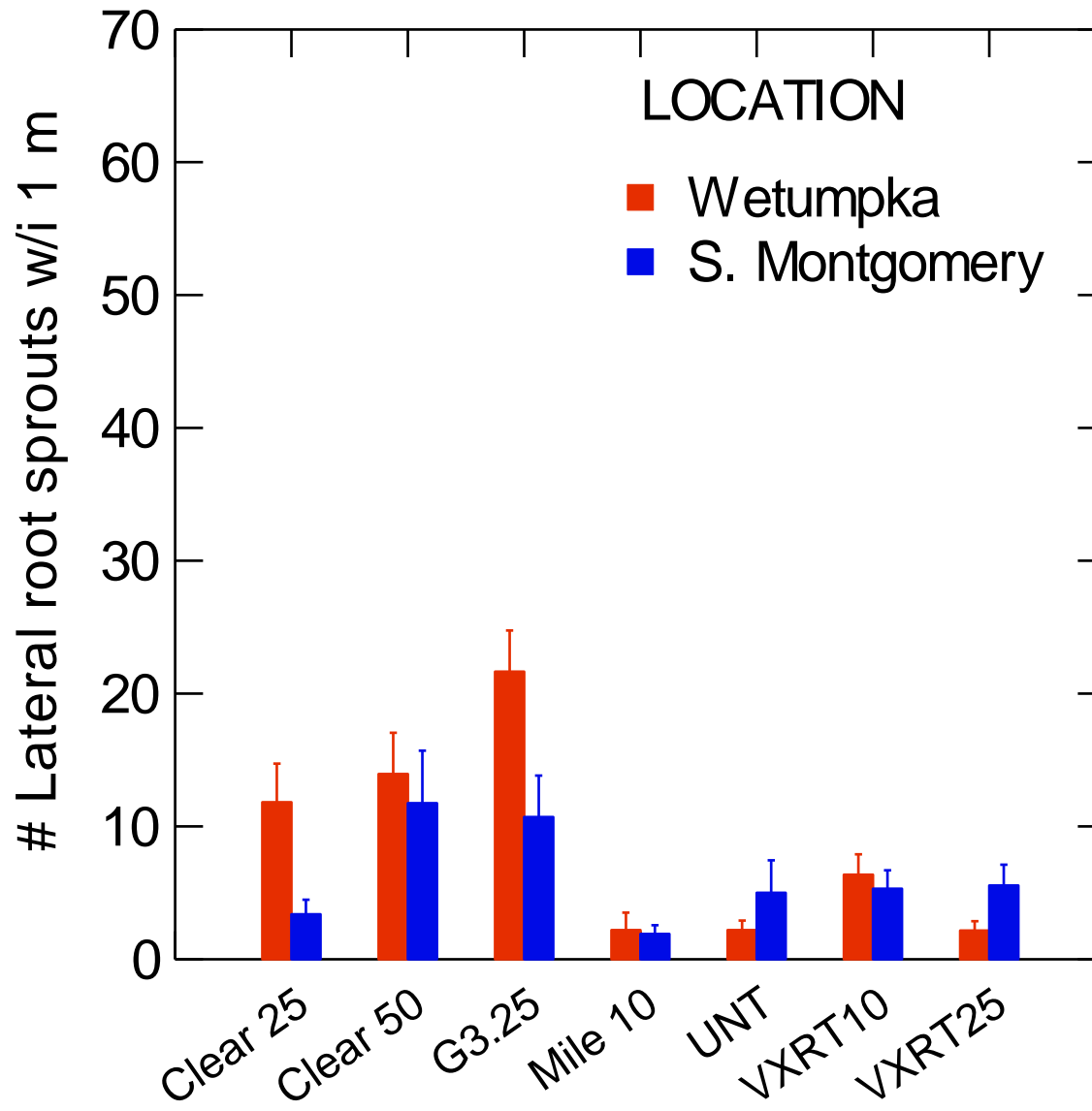
Applied December 2011

- Clearcast
 - 25% v/v
 - 50% v/v
- Garlon 3A
 - 25% /v
- Milestone
 - 10% v/v
- Vista XRT
 - 10% v/v
 - 25% v/v
- Untreated

Cut Stump Results at 10 months after treatment



Cut Stump Results at 10 months after treatment





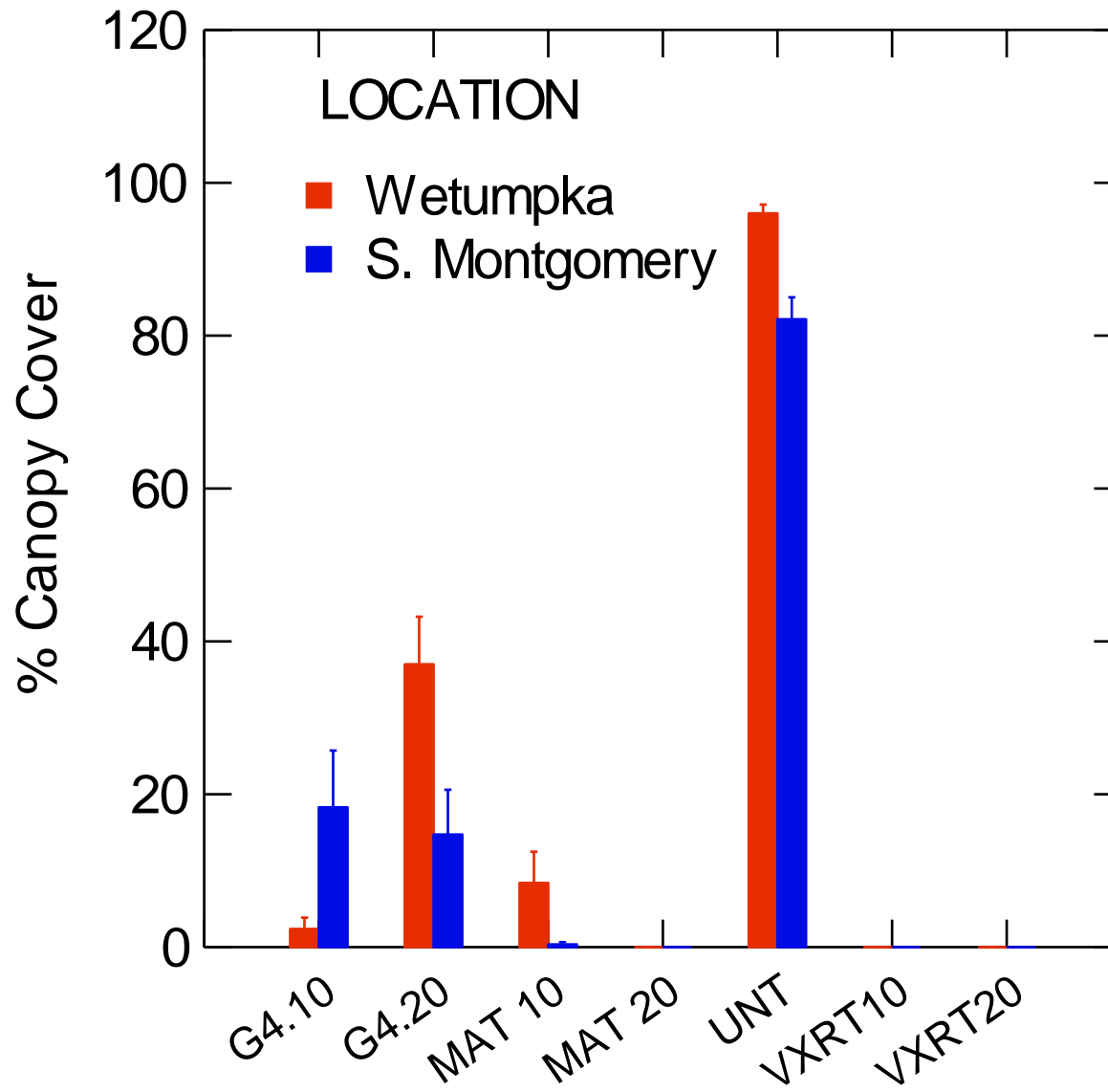
Basal bark treatments

Applied December 2011

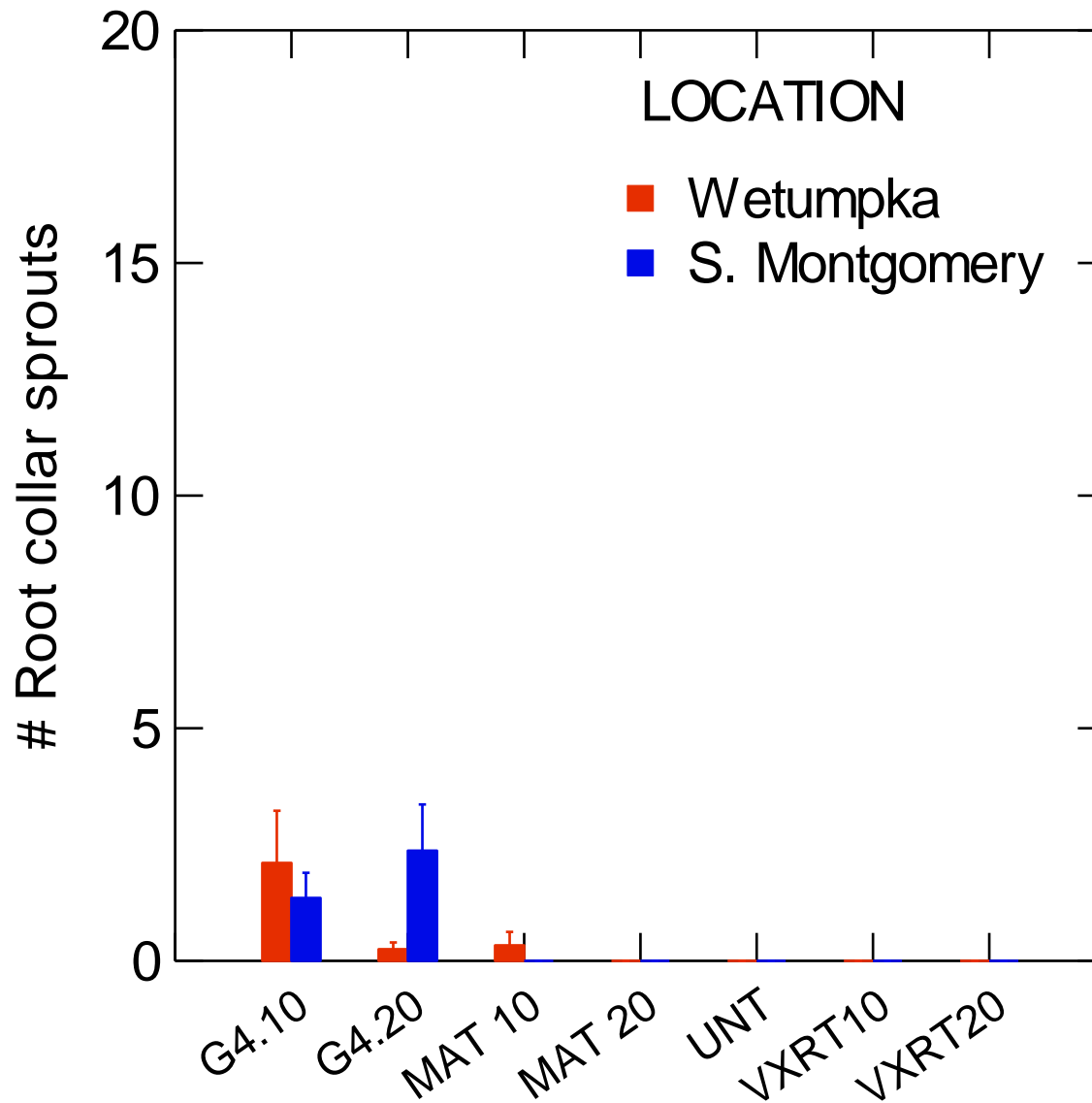
- Garlon 4
 - 10% v/v
 - 20% v/v
- Vista XRT
 - 10% v/v
 - 20% v/v
- Aminocyclopyrachlor* (Streamline)
 - 10% v/v
 - 20% v/v
- Untreated

* 1 lb ae/gal oil soluble formulation

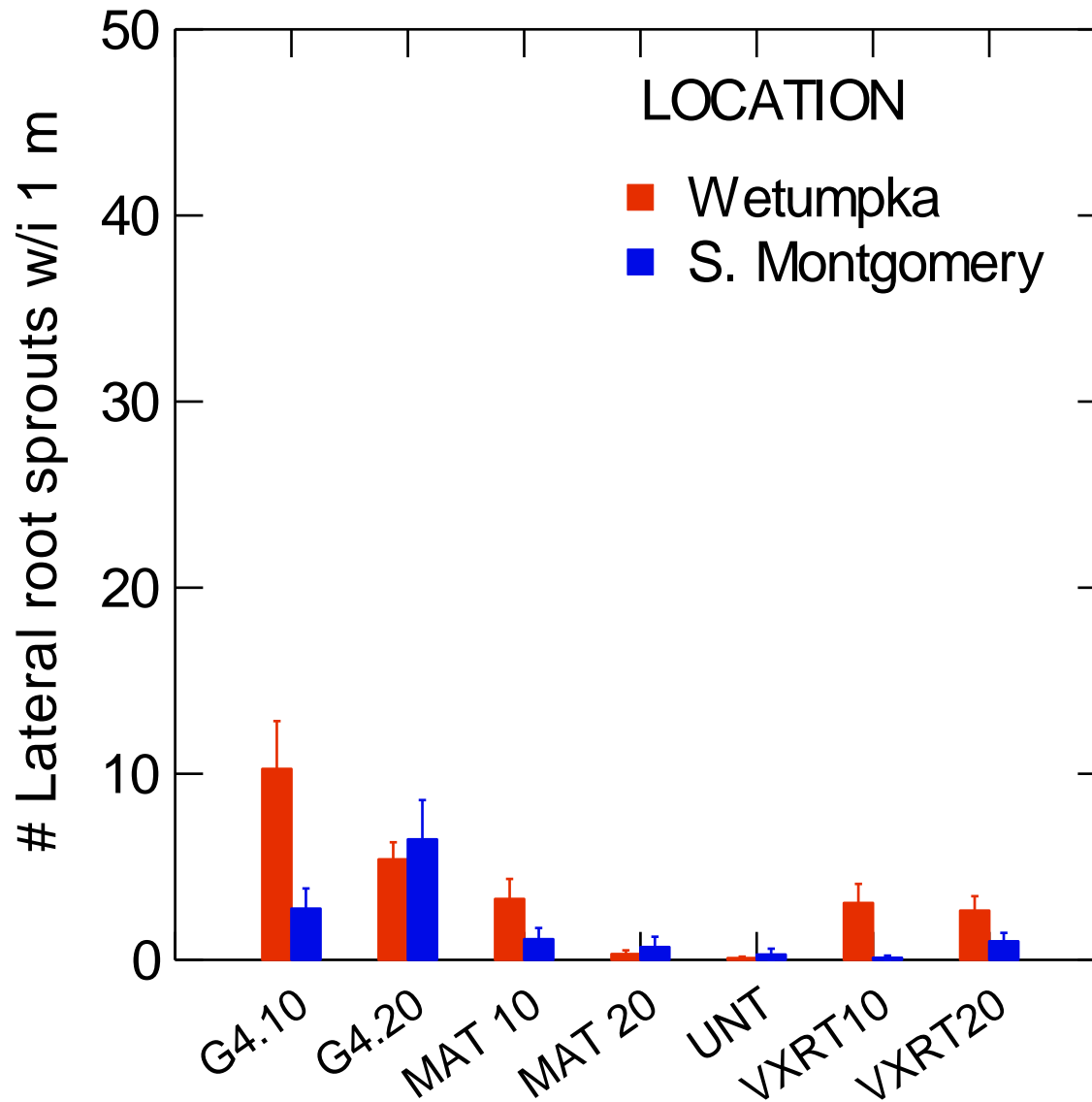
Basal Bark Results at 10 months after treatment



Basal Bark Results at 10 months after treatment



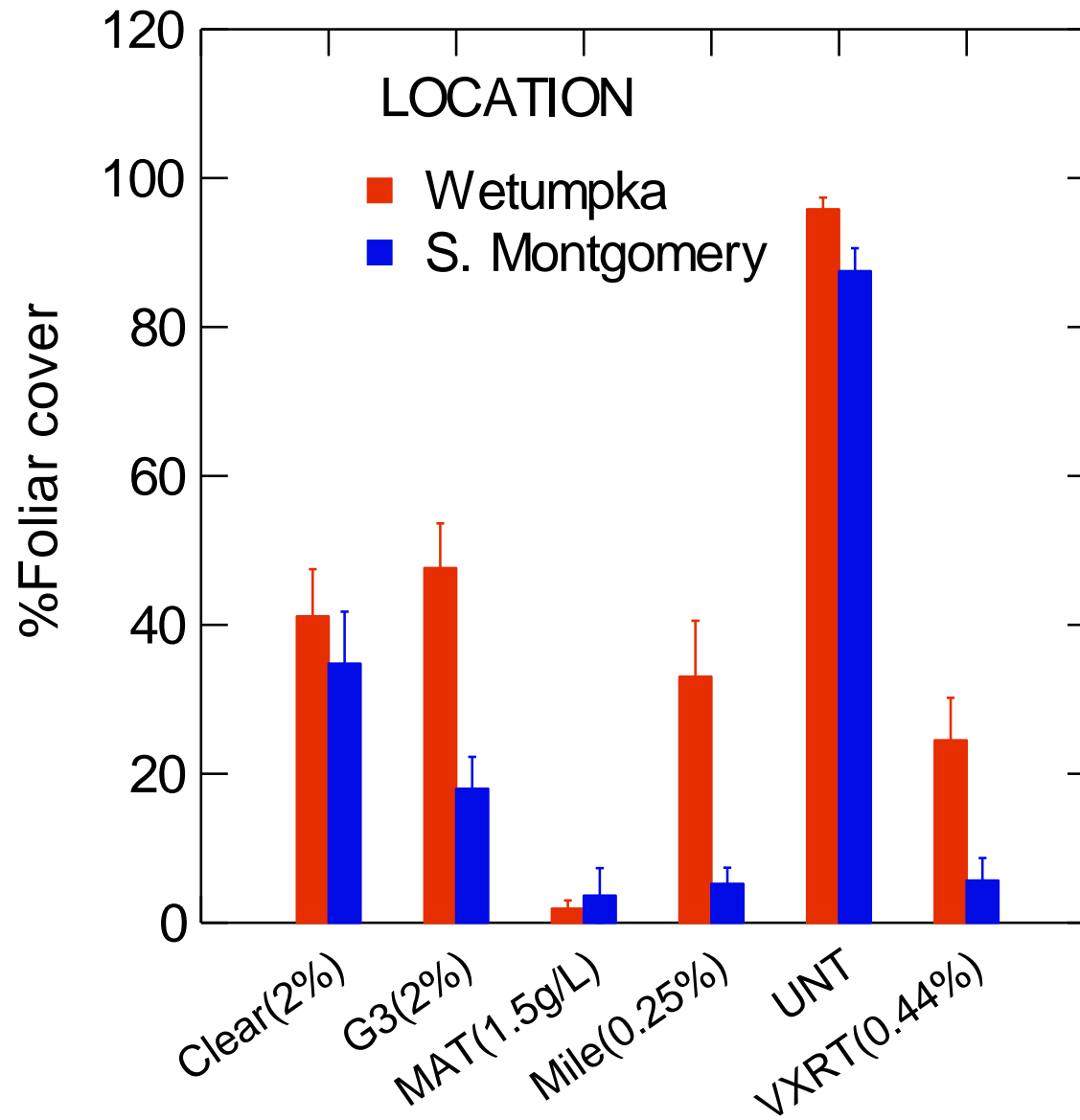
Basal Bark Results at 10 months after treatment





Foliar treatments

Foliar treatment results 3 months after treatment



Tallowtree Summary

- Tallowtree - a growing, expensive problem
- Promising new herbicides
- We need reports of tallowtree impacts on forestry, pasture, non-crop, ...

Clearcast trial

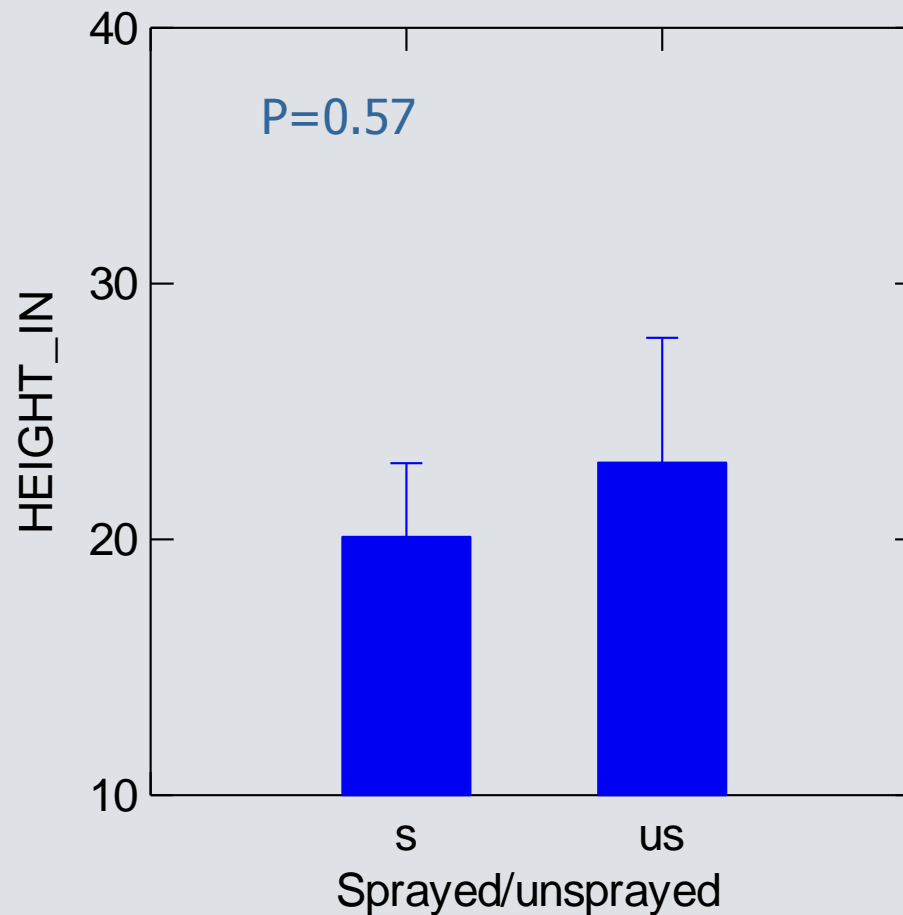
- Clearcast is labeled for use over the top of mixed hardwood/tallowtree stands
- Age of hardwoods in relation to safety is uncertain, especially for seedlings and saplings

Methods

- Oak species
 - willow
 - swamp chestnut
 - cherrybark
 - Nuttall
 - white
 - Shumard
- 1 yr old seedlings
 - Georgia SuperTree Nursery, Shellman, Ga
 - Seedlings potted in 2 gal pots and sprayed May 1st 2012
- Clearcast at 64 oz/A + MSO 1%v/v
- Application volume = 10 GPA
- Measured height growth

willow oak

13 MAT with Clearcast @64 oz/A



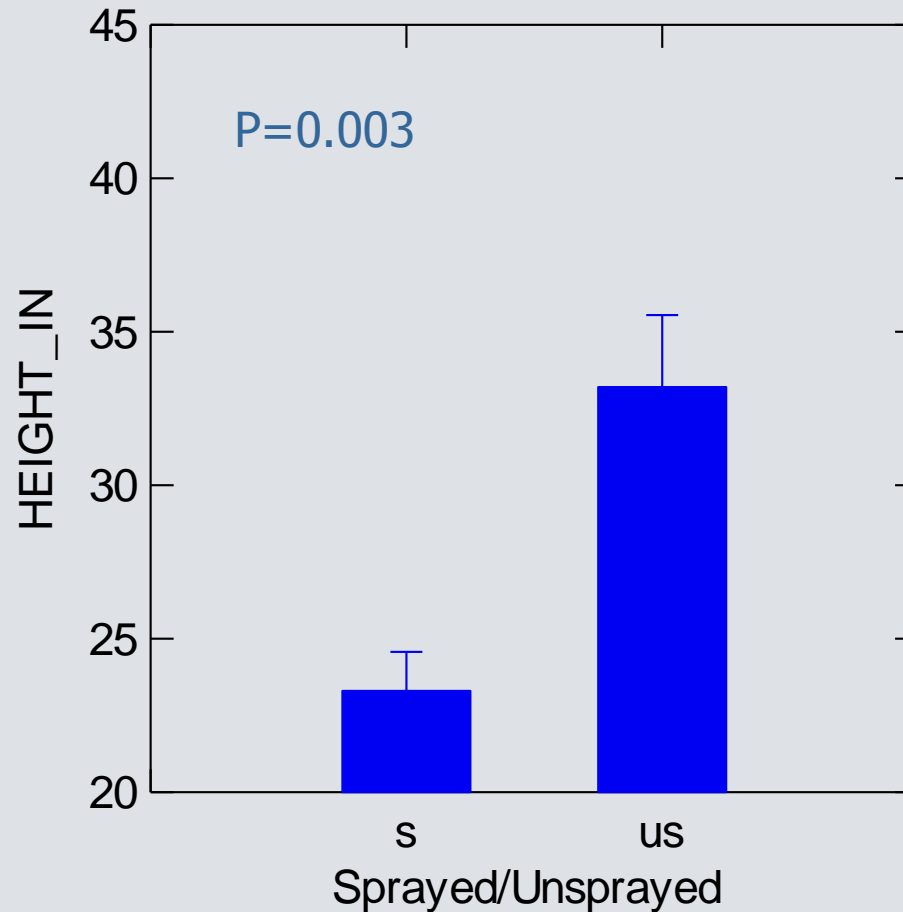


willow oak



white oak

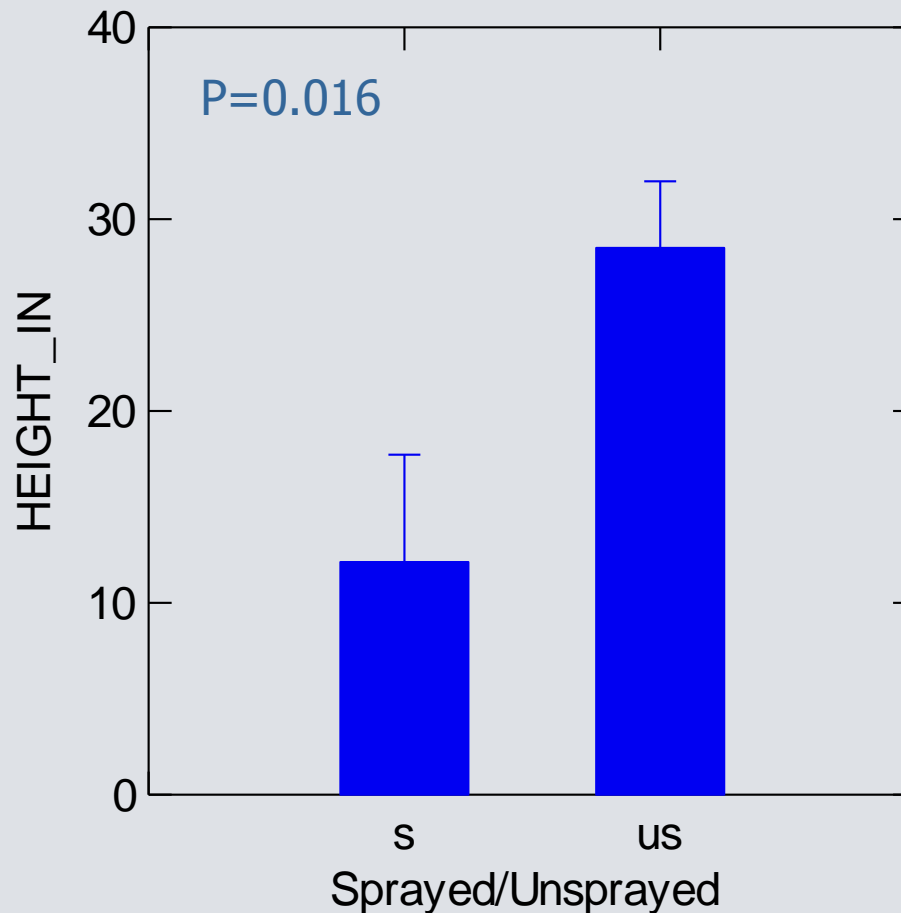
13 MAT with Clearcast @64 oz/A





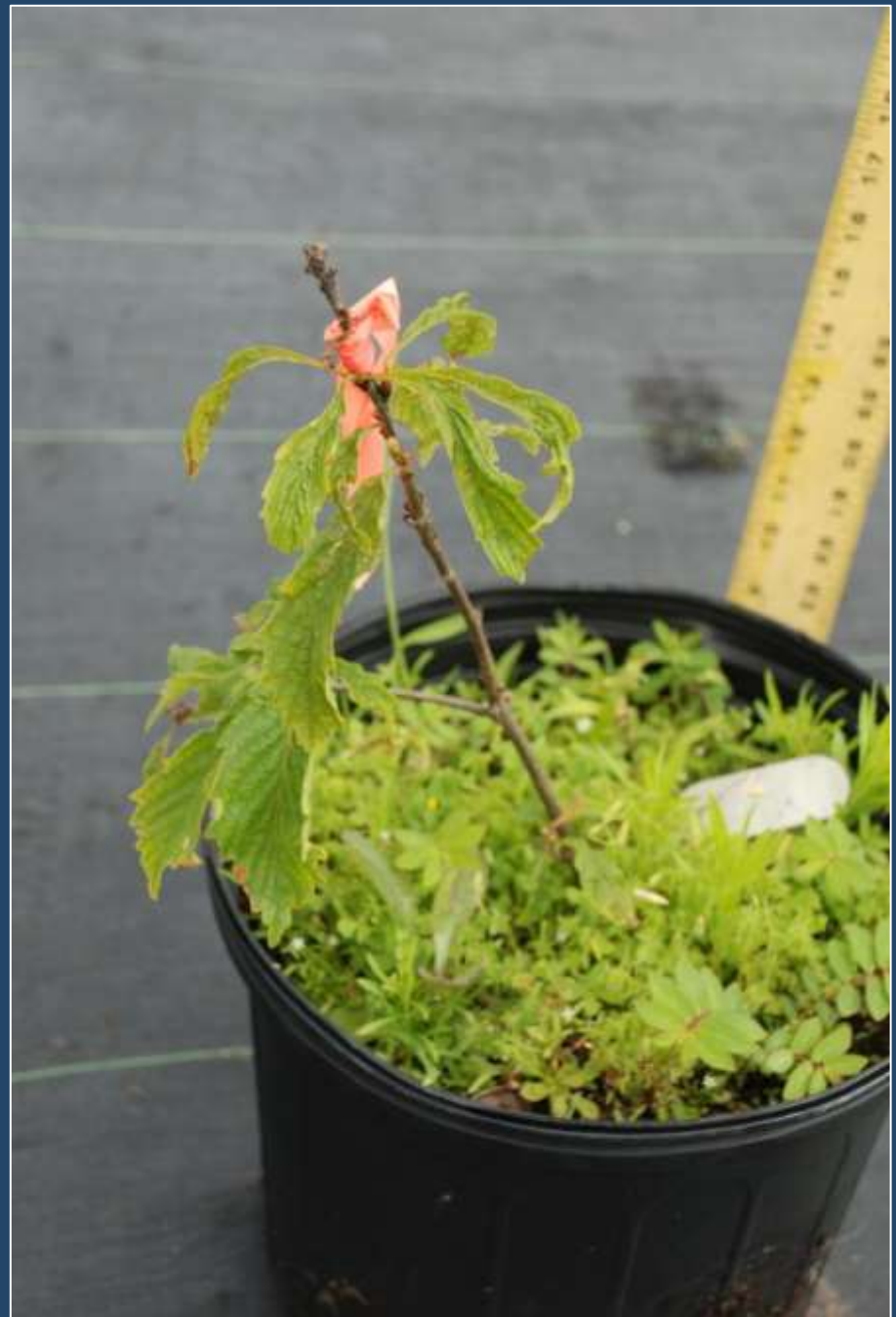
swamp chestnut oak

13 MAT with Clearcast @64 oz/A



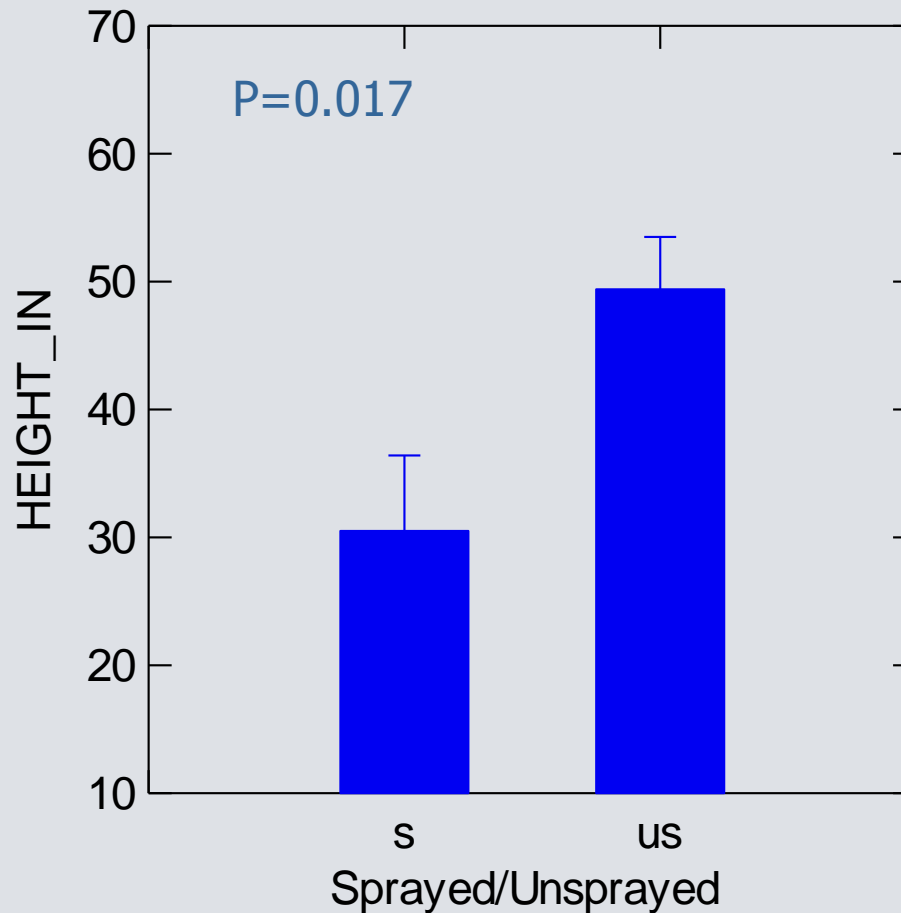


swamp chestnut oak



Shumard oak

13 MAT with Clearcast @64 oz/A



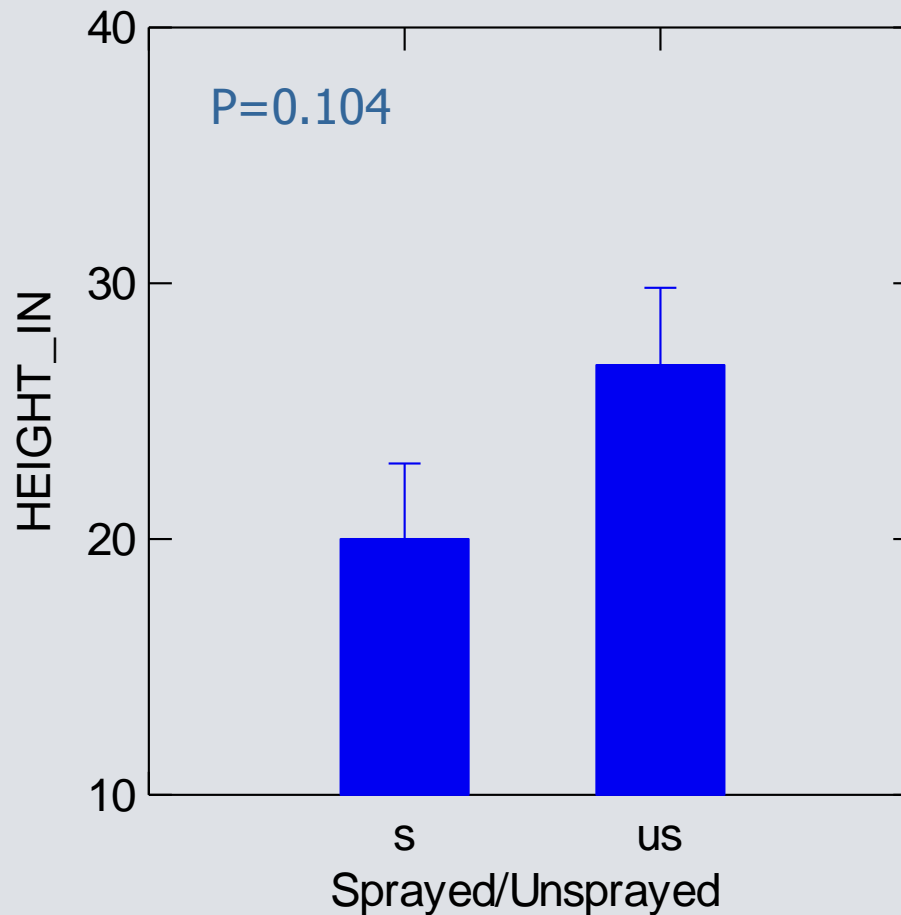


Shumard oak



Nuttall oak

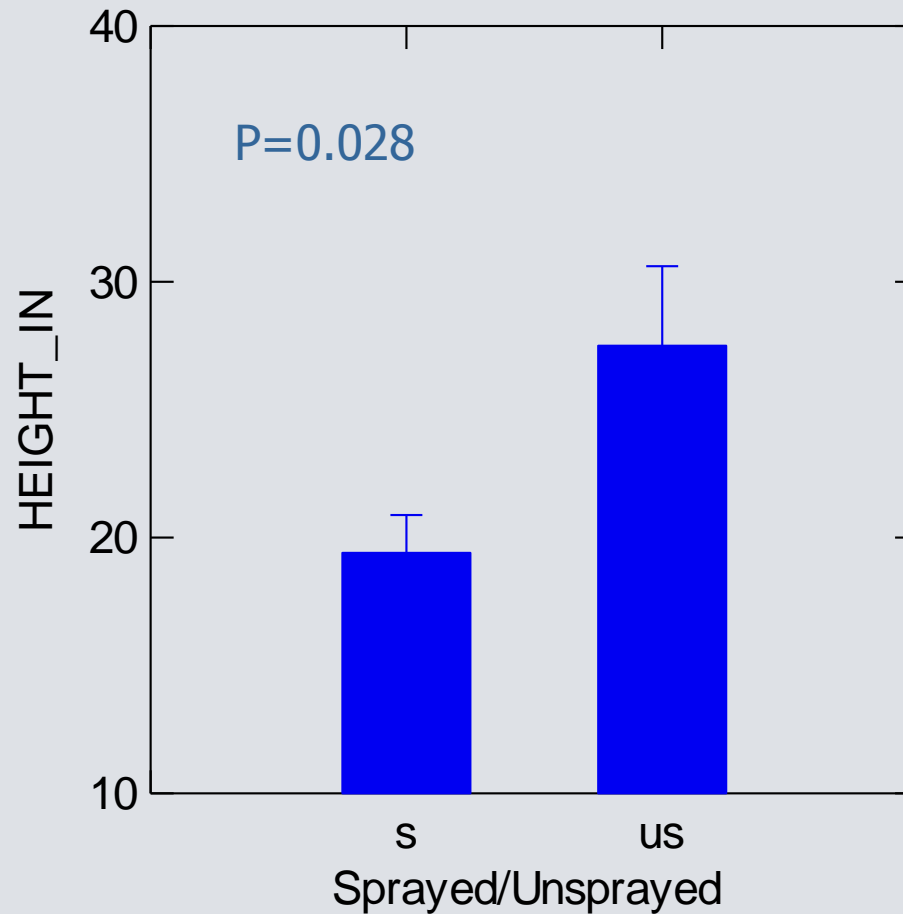
13 MAT with Clearcast @64 oz/A





cherrybark oak

13 MAT with Clearcast @64 oz/A









New plant listings

- Chinese parasol tree
(*Firmiana simplex*)
- lantana
(*Lantana camara*)
- pampas grass
(*Cortaderia selloana*)



Species recently added to watch list A

- ✿ Japanese chaff flower (*Achyranthes japonica*)
- ✿ Japanese ardesia (*Ardesia japonica*)
- ✿ Australian-pine (*Casuarina equisetifolia*)
- ✿ tropical bushmint (*Hyptis mutabilis*)
- ✿ water clover (*Marsilea* spp.)
- ✿ brittleleaf naiad (*Najas minor*)
- ✿ curlyleaf pondweed (*Potamogeton crispus*)
- ✿ sawtooth oak (*Quercus acutissima*)



Species recently added to watch list B

- ✿ Japanese barberry (*Berberis thunbergii*)
- ✿ Paper-mulberry (*Broussonetia papyrifera*)
- ✿ Purple beautyberry (*Callicarpa dichotoma*)
- ✿ Japanese beautyberry (*Callicarpa japonica*)
- ✿ Winter creeper (*Euonymus fortunei*)
- ✿ Japanese spiraea (*Spiraea japonica*)
- ✿ Chinese or lacebark elm (*Ulmus parvifolia*)

Species of interest



Lesser celandine or fig buttercup (*Ficaria verna*)



gripeweed
(*Phyllanthus urinaria*)

needlebush (*Glochidion puberum*)
Phyllanthaceae family (formerly in Euphorbiaceae)



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Invasive Plants in Southern Forests: Identification and Management

This app is based on the U.S. Forest Service publication: A Field Guide for the Identification of Invasive Plants in Southern Forests. Invasions of nonnative plants into forests of the Southern United States continue to go unchecked and only partially unmonitored.

Basic strategies for managing invasions on a specific site include maintaining forest vigor with minimal disturbance, constant surveillance and treatment of new unwanted arrivals, and finally, rehabilitation following eradication.

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Invasive Species Mapping Made Easy!



EDDMapS, started in 2005, is now providing a picture of the distribution of invasive species across the U.S. and Canada

- ✓ 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
- ✓ Alaska Exotic Plant Information Clearinghouse
- ✓ Missouri River Watershed Coalition
- ✓ Biological Control Agents of Weeds
- ✓ Florida Invasive Species Partnership
- ✓ Invaders of Texas
- ✓ Mid-Atlantic Invasive Plant Council
- ✓ Appalachian Trail Conservancy
- ✓ EDDMapS Alberta - Alberta Invasive Plants Council
- ✓ National Wildlife Refuge Early Detection Network for New England
- ✓ Outsmart Invasive Species
- ✓ Invasive Plant Atlas of New England
- ✓ What's Invasive - Coming Soon

Statistics

1,947,176 County Reports
1,081,095 Point Reports
2,433 Species / 11,930 Users

Educational Resources

BRING THE POWER OF EDDMAPS TO YOUR SMARTPHONE

Introducing BugwoodApps - comprehensive mobile



Southeast Early Detection Network

Submit invasive species observations directly with your iPhone from the field.

Features:

- ✓ GPS automatically captures your current location
- ✓ Submit an image of your sighting to add validity to your report
- ✓ Online reporting
- ✓ Offline reporting: reports saved on your phone to upload when you have network connectivity
- ✓ Species ID Guides include images and information on the worst non-native invasive plants, insects and plant pathogens in the Southeastern United States
- ✓ Provides real-time point distribution maps centered on your current location
- ✓ Invasive species resources



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Get It For iPhone



Alabama Extension Invasiv...

Timeline ▾

Now ▾

**Alabama Extension Invasive Plant Page**

142 likes · 16 talking about this



University

This page is dedicated to invasive plants of the Southeastern US and hay and pasture weed control in Alabama

About



Photos



142



Likes

Invasive plant updates on Facebook!