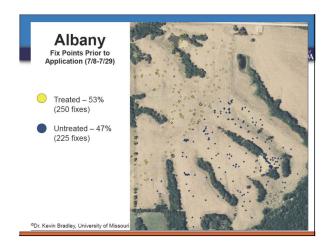
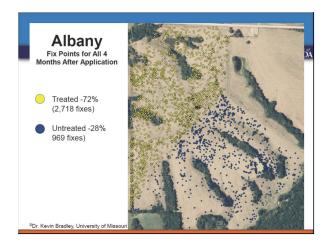


What is a weed? UF PLORIDA

- a plant out of place and not intentionally sown
- a plant growing where it is not wanted
- a plant whose virtues have not yet been discovered
- plants that are competitive, persistent, pernicious, and interfere negatively with human activity





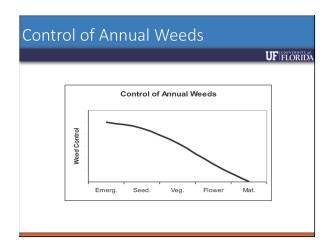


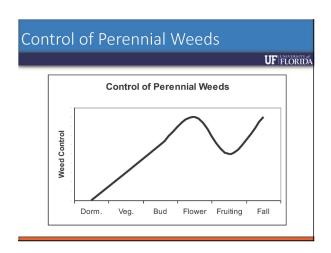


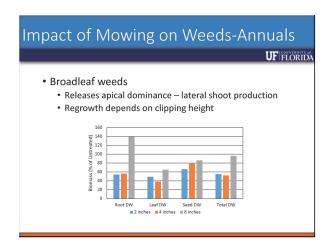




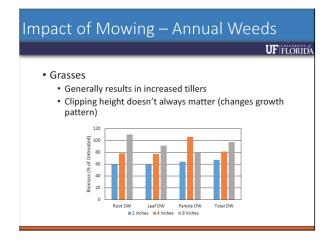
Methods to Weed Management • Preventative • Cultural • Chemical • Biological • Mechanical

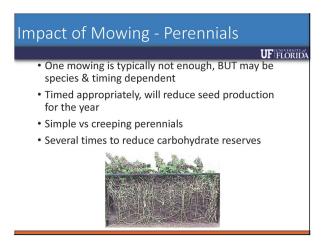


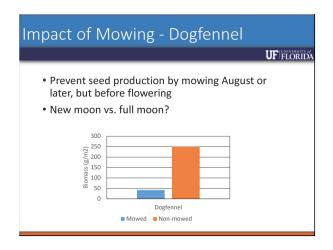


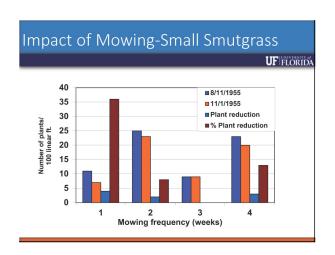


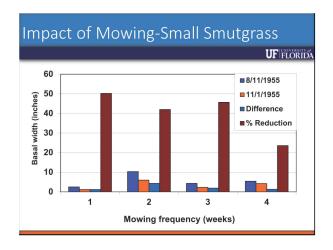
• 4,000 A ranch in Dade City • Client observed calves losing weight August & September • Chemical rep informed producer of creeping indigo • Creeping indigo not found, but coffee weeds prevalent • Mow pastures 3 to 4 times/year • Plants <8 inches had seed pods • Advice in this case • Park the mower • Use GrazonNext HL • 24 oz/A • 16 oz/A fb 16 oz/A

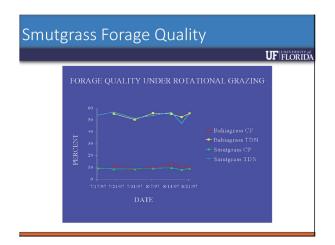


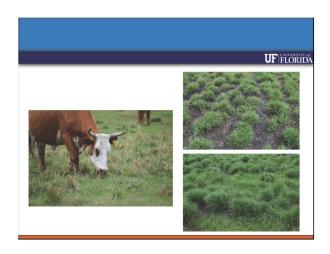


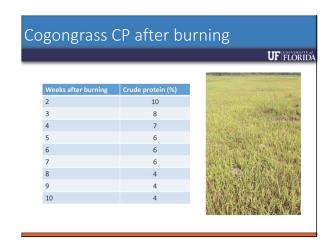


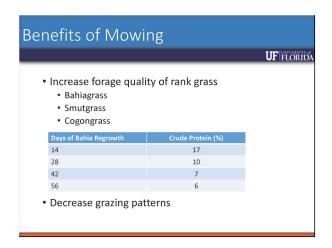




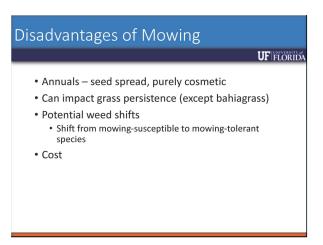


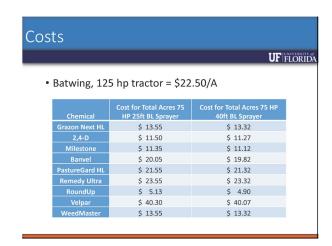




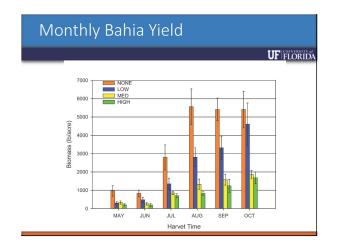






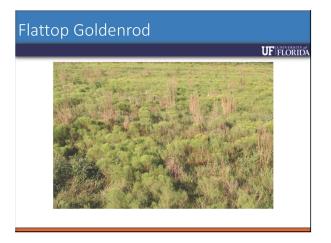








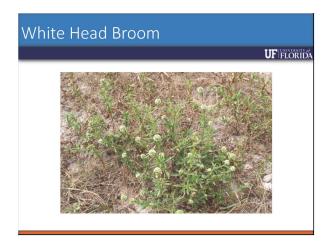


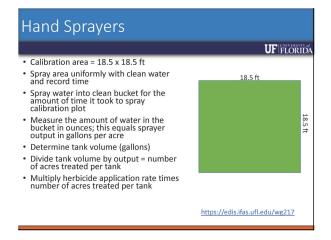


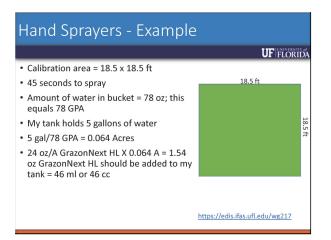


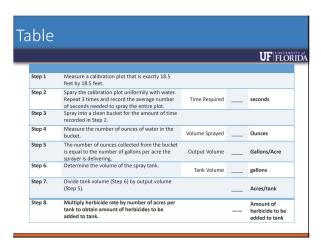














1/128th Acre Method

UF FLORIDA

- Based on 128 fl oz/gallon
- 1/128th of an acre = 340 ft2
- Determine how long (seconds) it takes one nozzle to cover 1/128th of an acre
- The number of ounces from a nozzle in that number of seconds = gallons per acre!
- · Almost no math!!!!!

1/128th Acre Method

UF FLORIDA

- Example: 20 inch nozzle spacing
- 20 inches = 1.67 ft
- DISTANCE (ft) = 340 ft²/nozzle spacing (ft)
- 340 ft²/1.67 ft = 204 ft
- So, one nozzle covers 1/128th of an acre in 204 ft

1/128th Acre Method

UF FLORIDA

- Say it takes 29 seconds to spray 204 ft
- Nozzle discharge in 29 seconds = 19.8 oz
- = 19.8 GPA!

Boomless sprayers

UF FLORIDA

- Same principles involved
- Measure output of all nozzles
- Measure swath width; I usually subtract about 5 feet from total spray swath to have some overlap
- Measure time it takes to travel a desired distance (usually 100 ft or so)



Boomless sprayers

UF FLORIDA

- Swatch width = 30 ft
- Distance traveled = 100 ft
 3,000 ft²/43,560 ft² = 0.07 Acres
- 50 seconds to travel 100 ft
- Collected 224 oz of water in 50 seconds from all nozzles
- 224 oz/128 oz = 1.75 gallons
- 1.75 gallons/0.07 Acres = 25 GPA
- Tank volume/GPA = # of acres/tank



Pasture Management

UF FLORIDA

- Check soil pH
 - Bahiagrass = 5.5
 - Bermudagrass = 6.5
- Fertility
 - Soil test
 - Tissue test (bahiagrass)
- Grazing Management

Grazing Management

UF FLORIDA

- 1,000 lb horse consumes 1.5-2.5% of its weight/day
- 1 horse per 2 2 ½ acres
 - Depends on supplementation
 - Rotational grazing: Give pastures a rest
 - Try to keep stubble height at a minimum of 3"

Source: edis.ifas.ufl.edu/aa216

More Information

UF FLORIDA

- weedext.ifas.ufl.edu (uflweed.com)
- sellersb@ufl.edu