

2018 Georgia Grazing School: Weed Management Strategies In Grazed Pastures

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Assoc. Prof. and Est. Weed Scientist

Weed Management Programs for Grazed Pastures

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Foxtails



Cultural Control options:
Keep foxtail mowed down
Roundup and reseed/replant
Promote competition

Selecting for foxtail:
Control crabgrass/Johnsongrass
may promote foxtail release

Similar results with winter weeds

Photo by Lisa Williamson

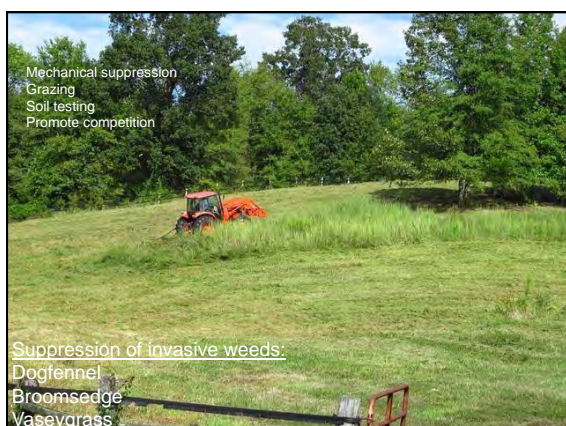
Recommendations for Annual Foxtail Control

- **Bermudagrass**
 - PRE: Prowl
 - POST: Pastora, Impose in early spring. Impose for late-season control
- **Legumes** (depending on species – see PCH)
 - POST: Poast, SelectMax, Impose, Raptor, Pursuit
- **Bahiagrass**
 - PRE: Prowl
 - POST: No options, mowing and cultural practices are critical

Knotroot Foxtail



- Prowl not effective
- Pastora + glyphosate (partial control/suppression)
- Spot treat glyphosate



Mechanical suppression
Grazing
Soil testing
Promote competition

Suppression of invasive weeds:
Dogfennel
Broomsedge
Vaseygrass

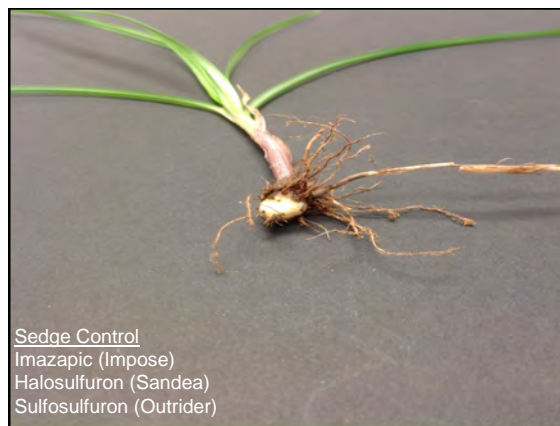
Prepare for winter weeds

- **Identify the weed species**
 - Weed ID books
 - Consult with county extension office
- **Select control options**
 - Easier to control prior to population spreading
 - Mechanical or physical removal often possible
- **Review growing conditions and management practices**
 - Modifications can reduce spread and growth of weeds
 - Promote competition of the pasture grasses



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Horsenettle Control		
Common Name	Trade Name	Control
2,4-D	various	P
2,4-D + dicamba	Weedmaster	F
2,4-D + picloram	Grazon P + D	G-E
2,4-D + triclopyr	Crossbow	P-F
aminopyralid	Milestone	E
aminopyralid + 2,4-D	GrazonNext	E
dicamba	Banvel, Clarity	G
metsulfuron	Cimaron, others	P
metsulfuron + chlorsulfuron	Cimarron Plus	P-F
metsulfuron + 2,4-D + dicamba	Cimarron Max	P-F
picloram + fluroxypyr	Surmount	E
triclopyr	Remedy	F

Plant Back Concerns for Fall

Fescue, orchardgrass, timothy, ryegrass (examples)

- GrazonNext – 15 days prior to planting
- Chaparral – 30 days prior to planting
- PastureGard – day of planting
- Pastora – 4 months

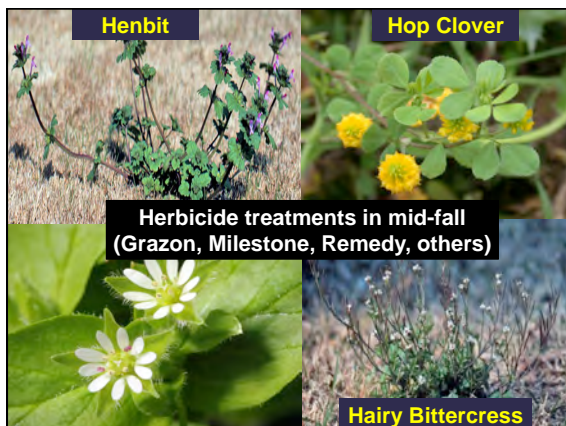
Legumes (examples)

- 2,4-D – 3 to 4 weeks
- PastureGard – 1 month
- GrazonNext – bioassay recommended
- Chaparral – bioassay recommended
- Milestone – bioassay recommended
- Pastora – 12 months



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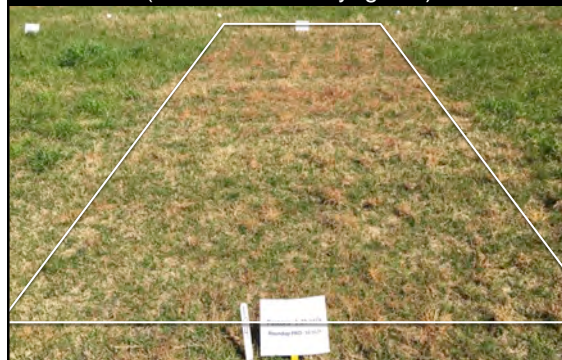
Renovation?

- Nonselective glyphosate applications in fall
 - Control toxic or perennial species
 - Example: knotroot foxtail in fescue
- Benefits
 - Plant improved varieties
 - Temporary grazing in fall
 - Enhance competition with weeds

Herbicide resistant ryegrass

- Altered site of action
- Overproduction of target site enzyme
- Enhanced metabolism
- Sequestration

Pastora + Roundup Pro in February (ALS-Resistant Ryegrass)



Implications for Pastures

- Prowl or any other herbicide used exclusively is not sustainable for long-term weed management due to resistance
- Warm and cool-season grass pastures
 - **Prowl H₂O** is the only PRE herbicide labeled
 - Exclusive use will lead to selection pressure for resistant biotypes
- Other pasture species
 - No PRE herbicides available

Currently Researching New PRE Herbicides for Pastures



3/3/17 – Esplanade 7 oz/a

Photo: 7/11/17



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Questions

