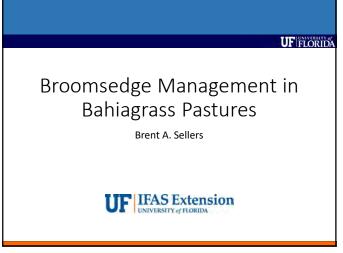
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1

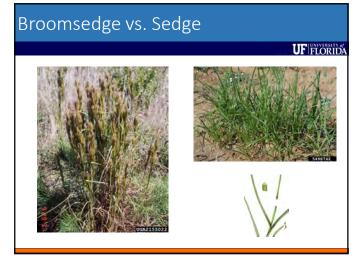
3

Broomsedge • Tufted perennials • 3 to 5 yrs

• ~19 species

the fall

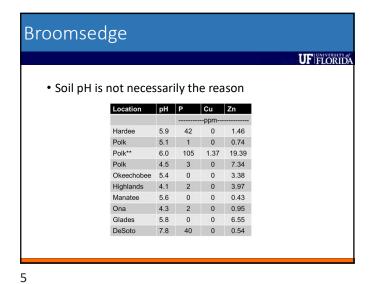


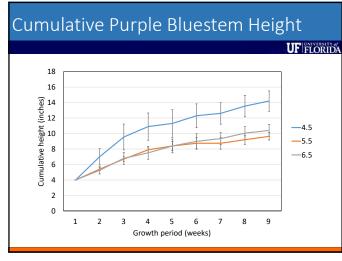


Previous Research

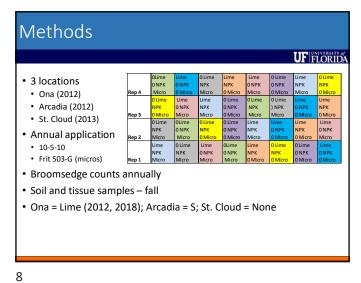
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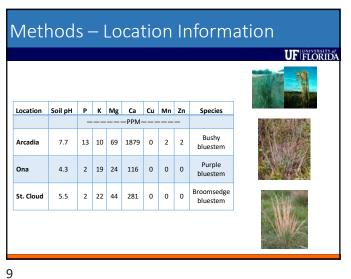
- Broomsedge disappeared from NPK fertilized fescue plots over a 5-yr period (Peters and Lowance 1974)
- Tillage (3" depth) + 100 lb N/A decreased broomsedge density in bermudagrass
- Most research has indicated that broomsedge infestation is a result of low fertility
- Many have implicated soil pH

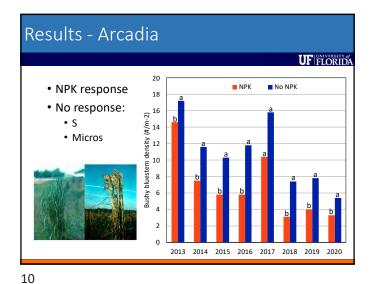


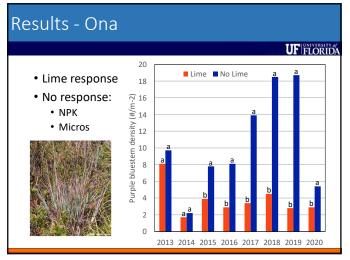


Circumstantial Evid	ence				
				I	J F FL
Optimize soil pH	Location	рН	P	Cu	Zn
 Does P have a role? 			ppm		
• Does Cu have a role?	Hardee	5.9	42	0	1.46
	Polk	5.1	1	0	0.74
 Does something else have a role? 	Polk**	6.0	105	1.37	19.39
	Polk	4.5	3	0	7.34
	Okeechobee	5.4	0	0	3.38
	Highlands	4.1	2	0	3.97
	Manatee	5.6	0	0	0.43
	Ona	4.3	2	0	0.95
	Glades	5.8	0	0	6.55
	DeSoto	7.8	40	0	0.54



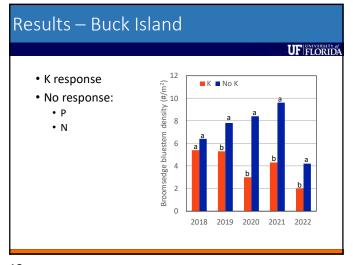






Macronutrient Study - 2017 UF FLORIDA • Lime applied as needed • Rates: • N – 50 lb/A N + P • P – 25 lb/A • K – 50 lb/A Locations • Ona Buck Island

11 12



• K response
• No response:
• P
• N
• Hexazinone in 2017

PERIODA

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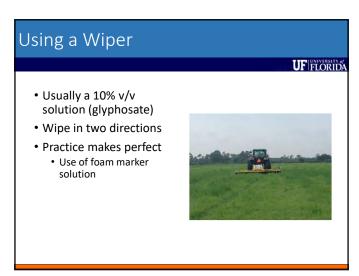
OR NO K

OR

14

13

• St. Cloud location: why no impact? • Why is P having an impact in other states, but not here? • Liming: soil test first! • Multi-pronged approach: • Fertility • Defoliation • Tillage? • Herbicide (spot-treat or wiping)



15 16





17

Summary

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- In some respects, increasing soil fertility will help SOIL TEST
- This approach will take time and doesn't eliminate
- Wiping is an option
- More research
 - Roller chopping followed by fertilization?
 - Multiple mowing cycles?
 - Increased grazing pressure?

Questions

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- sellersb@ufl.edu
- 863-735-1314

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