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Smutgrass Down Under: Our Recent Exposure to Smutgrass Management in Australia

> Brent Sellers and José Dias UF-IFAS Range Cattle REC and Agronomy Department, Ona, FL



### Introduction

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- Conversations with colleagues concerning identification of smutgrass species
- IFAS Travel Grant



# Gympic lines Gympic lines # After the proof the part of the part







### Smutgrass in Australia

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- 12-13 *Sporobolus* species
- 4-5 considered "weedy"
  - Giant rat's tail
  - American rat's tail
  - Parramatta grass
  - Giant Parramatta grass



### Gympie

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## Gladstone/Miriam Vale

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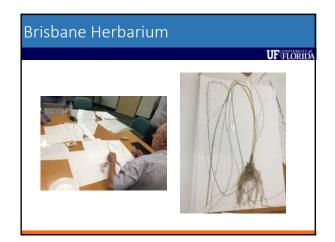














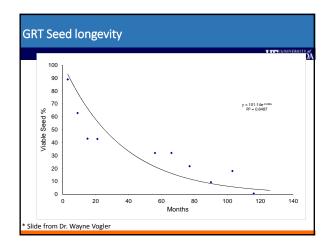


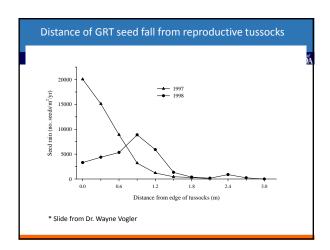
## Australia Plorida Florida Florida Florida Hexazinone Root absorbed A to 12 months for kill A month grazing restriction Mandates by local governments to "make Florida Horazinone Root absorbed A do 12 months for kill No grazing restriction No mandates

reasonable efforts to limit spread"

Time to inflorescence emergence and total inflorescence number over 11 months following sowing of 50 GRT seed in canopy gaps in February 1998 in native pasture at Gayndah (adapted from Bray 2004)								
	Gap Size (cm)	Time till inflorescence emergence (days)	Inflorescence number per plot					
	No Gap	No plants	No plants					
	15 x 15	No flower	0					
	30 x 30	No flower	0					
	60 x60	342	4					
	120 x 120	243	33					
* Slide	from Dr. Wayne	Vogler						

Viability not treated (%)  0  5	Viability glyphosate (%)  0
	-
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te 60	40
rd 95	86
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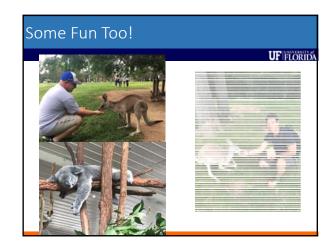


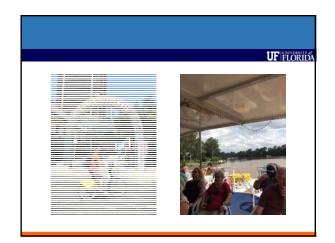


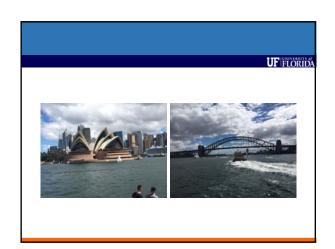












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- Disturbingly similar
- They're committed to finding biocontrol agents, BUT......
- Good grass competition may be our best bet

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"A recurring theme is the importance of a competitive, well managed pasture sward to minimise gaps within the pasture throughout the year thus preventing giant rats tail grass seedling establishment from the long-lived soil seed bank. Without a vigorous, competitive pasture being present, any attempts to control giant rats tail grass will be futile."

\* Slide from Dr. Wayne Vogler

### **Upcoming Events**

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- Smutgrass field day: May 24
  - Registration is limited
- Next webinar: June 12, 11:00 11:45
  - Dr. Mario Binelli: The UF Brahman Project
  - <a href="https://register.gotowebinar.com/register/85683493697">https://register.gotowebinar.com/register/85683493697</a> 77324291