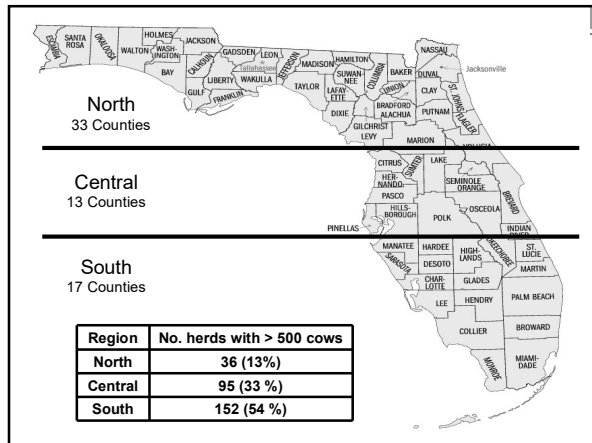
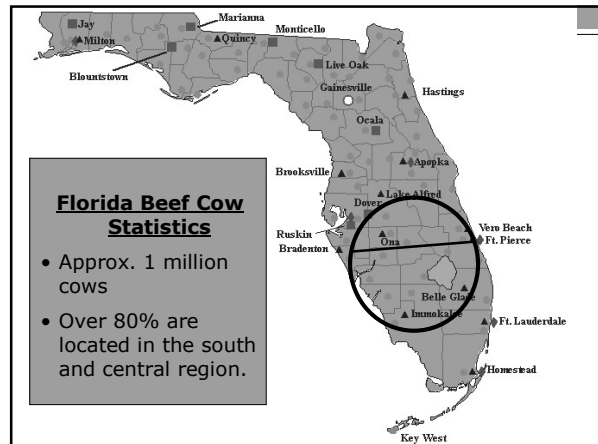


Range Cattle Research and Education Center, Ona

John Arthington
Professor and Center Director



Range Cattle Research and Education Center, Ona

- Dedicated staff
- Land (3,000 A)
 - Native range
 - Improved pasture
- Cowherd (700 hd)
 - Braford
 - Brangus-crossbred
 - Angus



Current Faculty

- John Arthington Animal Sciences
- Reyna Hallworth Extension Scientist
- Brent Sellers Weed Science
- Maria Silveira Soil & Water Science
- Joe Vendramini Forage Agronomy

Dr. Brent Sellers Associate Professor Agronomy – Weed Science

- Pasture weed control
 - Chemical
 - Grazing management
- Extension
- Forage/Weed Garden
- Field Demonstrations



DOGFENNEL



WEST INDIAN MARSH GRASS



Reyna Hallworth
Assistant Extension Scientist

- Field days
- Extension publications
- Web based articles
- Farm calls
- Demonstrations



RANGE ASSESSMENT

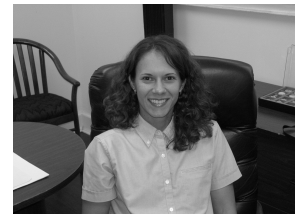


YOUTH FIELD DAY



Dr. Maria Silveira
Assistant Professor
Soil and Water Science

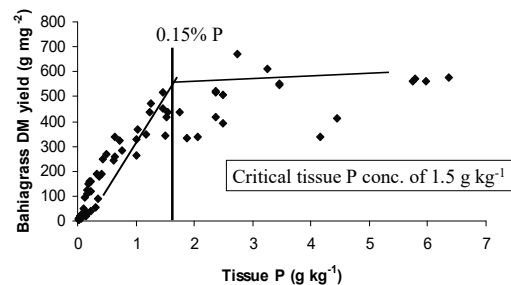
- Forage nutrient requirements
 - Phosphorus
 - Nitrogen / pH
- Biosolid utilization
- Environmental quality



Bahiagrass P fertilization



CRITICAL TISSUE P CONCENTRATION FOR BAHIAGRASS PASTURES



Dr. Joe Vendramini Assistant Professor Agronomy – Forage Management

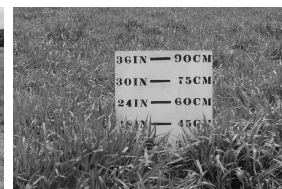
- Warm- and cool-season forage management.
- Limpograss management
- Ryegrass utilization
- Brachiaria evaluation
- Grazing management
- Forage quality laboratory



Hybrid Limpograss



Mulato



Evaluate the forage potential of newly introduced species and cultivars

Miscanthus



Elephantgrass

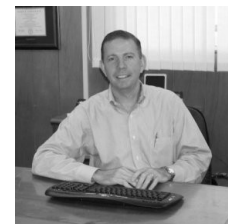


Evaluate the potential of warm-season grasses to produce biomass for biofuel production

Dr. John Arthington Professor and Center Director Animal Sciences – Beef Cattle Mgmt.

Cowherd supplementation

- energy, protein, minerals
- Transport, weaning, and receiving stress management

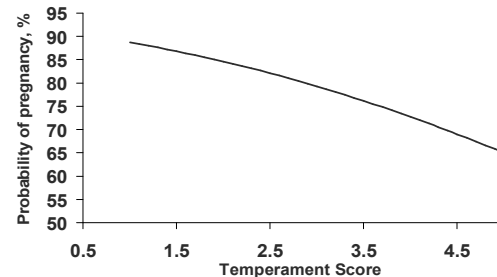


Stress and Productivity

- Weaning, transport, vaccination, feedlot entry, castration.
- Temperament, handling and acclimation
- Feed efficiency and ADG
- Linked to lesser amounts of carcass marbling



Pregnancy x Temperament



What is the future of the Range Cattle Center and Florida's grazing and rangelands?



“Sound Science”

- Our clientele respect “sound science”.
- What is “sound” science? Who determines what is “sound”?
- Validation of our science in the peer-reviewed literature creates legitimacy.



Clientele Engagement

Who do we serve ?

- Growers
- Consumers
- Citizens
- Colleagues

It is essential to broadly and effectively communicate who we are, what we do and why it matters.



Stewardship of Clientele

- Make time for your clientele.
- Understand their problems and needs.
- Do not be afraid to ask for their help.
- Engage clientele in all aspects of program development



Graduate Residence



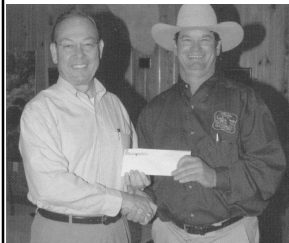
PROPOSED
MULTIPURPOSE
FACILITY
FOR
UF/IFAS

PONIKVAR
ASSOCIATES

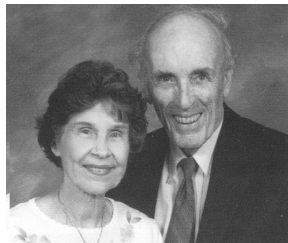
Graduate Residence



ENDOWMENTS



Dr. Findlay Pate / Don
Plagge Endowment



Dr. Herb and Muncie
Chapman Endowment

Ignorance ?

“Continuing to do the same thing
year after year while expecting
different results”

Our academic culture, land management
practices, and environmental, public, and
regulatory pressures continue to change. This
change is *inevitable*, but **survival** is *optional*.

Thank you for your attention

John Arthington
Professor and Center Director

