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Economic Threshold

• Smut grass grazing may not be for everyone.

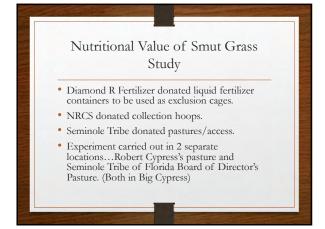
- There is an economic threshold. Where does smut grass stop being a weed and start being a forage?
- Some ranches need to keep treating it like a weed.
- Some ranches need to start treating it like a forage.
- Once it becomes a forage, how do you manage it and what do you get?

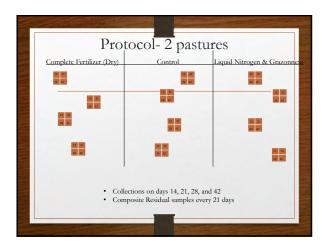
Background...Smut grass as a forage

- Largest calves on Big Cypress and Brighton reservations were raised primarily on smut grass pastures.
- Busch-Robert Cypress was mowing strips in smut grass.
- Cattle were selecting the young/mowed smut grass.

Smut Grass management techniques

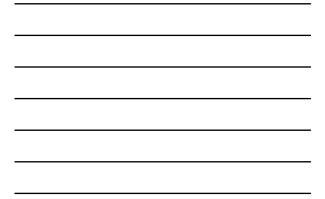
- Can be managed through 5 basic strategies:
- 1.Burning-reduces biomass of large/old plants.
- 2. Mowing
- 3. Herbicide Application
- 4. Intensive Grazing
- 5. Roller/chopper







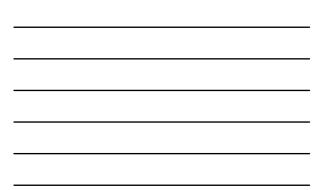














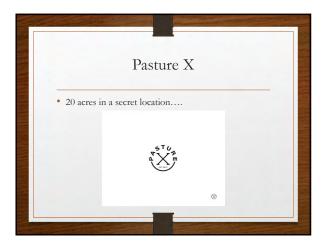


		Results:	
Cypress		CP %	TDN %
Liq	iid N only	13.8	54.4
Dr	y(20-0-10)	14.5	57.3
	Control	11.9	56
Board			
Liqu	id N Only	18.1	56.3
Dry	(20-0-10)	17.8	58.4
	Control	14.4	57.5

Other Interesting Data:

- Non-fertilized thistle- 15.4% protein, TDN-60%.
- Non-fertilized match stem- 13.4% CP. TDN- 60%
- Fertilized Cow-Itch vine- 16.6% CP, TDN-67%
- Un-fertilized ragweed- 25.4% CP, TDN-63%







Pasture X 9 head of cattle on 20 acres of smut grass. 9 head of cattle on 20 acres of smut grass. 9 mut grass covering approximately 80-100% at the start of the trial. 9 facre paddocks fenced. 9 tudy to determine grazing capacity of smut grass. 9 year old heifers from the Miccosukee lease, near the Big Cypress Reservation

Getting the paddocks ready

- Each paddock needed water. A 1st generation solar well was utilized, and 500 gallon tubs were placed between paddock 1 and 2, and paddock 3 and 4.
- Each paddock was mowed 21 days prior to heifers being turned out.
- The heifers were a little "flighty"
- BCS of heifers was 3.92 average.





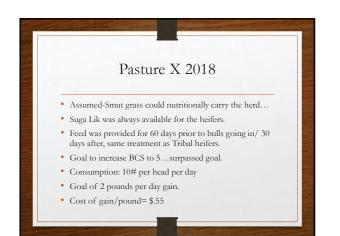






Competitive Rotational Grazing

- Premise- Cattle stocked at a higher density will more efficiently graze available forage.
- More cows on less acres will lead to a competitive grazing environment.
- Cows are less selective in a CRG system.
- Weeds are consumed at a greater rate in a CRG system.











Pregnancy Check 5/21/18

- 40 head in the pasture....39 were Pasture X heifers. 1 "stray" joined the herd prior to bulls going in.
- 37 confirmed bred.
- 1 heifer OFD both sides.
- 2 heifers with immature tracts.
- Conception percentage -93%







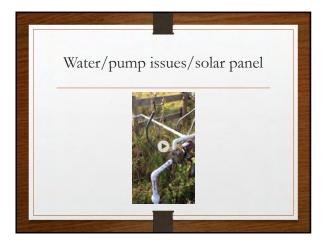




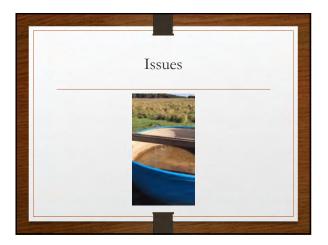


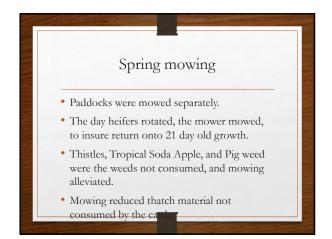












Unforeseen Results

- Bahia grass is coming back into the pasture at a rapid rate.
- White clover is coming back.
- Common Bermuda grass is also re-entering the pasture.





