

Weather for Waynesboro Ga

- Inconsistent weather patterns
- Irregular rainfall
- Summer heat stress
- Winter stress factors

Presentation Overview

- Overview of Pineland Dairy's Operating System
- Managing the Pastures
- Managing the Livestock
- Managing the People

Goal: To Supply Practical Ideas To Manage Grass Based Dairies During Hot Weather



Pineland Dairy's Operating System

- The Dairy Consists of Two Farms
 - 400 Cows on 350 acres (300 irrigated)
 - 700 Cows on 400 acres (250 irrigated)
 - Additional Land for Grazing Heifers and crops
- Hybrid system with feed bunks allows for supplementing with TMR.
- Cows are supplemented on concrete
- Sheltered feeders, but no cattle housing
- Heifers and dry cows
 - ➔ Total grazing 9-10 months
 - ➔ Winter months supplemented with stored forage
- Target calving dates are October-November
- High throughput parlors are important

Facilities



First 60 stall rotary parlor

Forages

- Tifton 85 Bermuda grass for summer perennial
- Pearl Millet and Crabgrass for summer annuals
- Winter annuals include Ryegrass, Arrowleaf Clover, and Cereal Rye.
- Stored forages are corn and sorghum silages

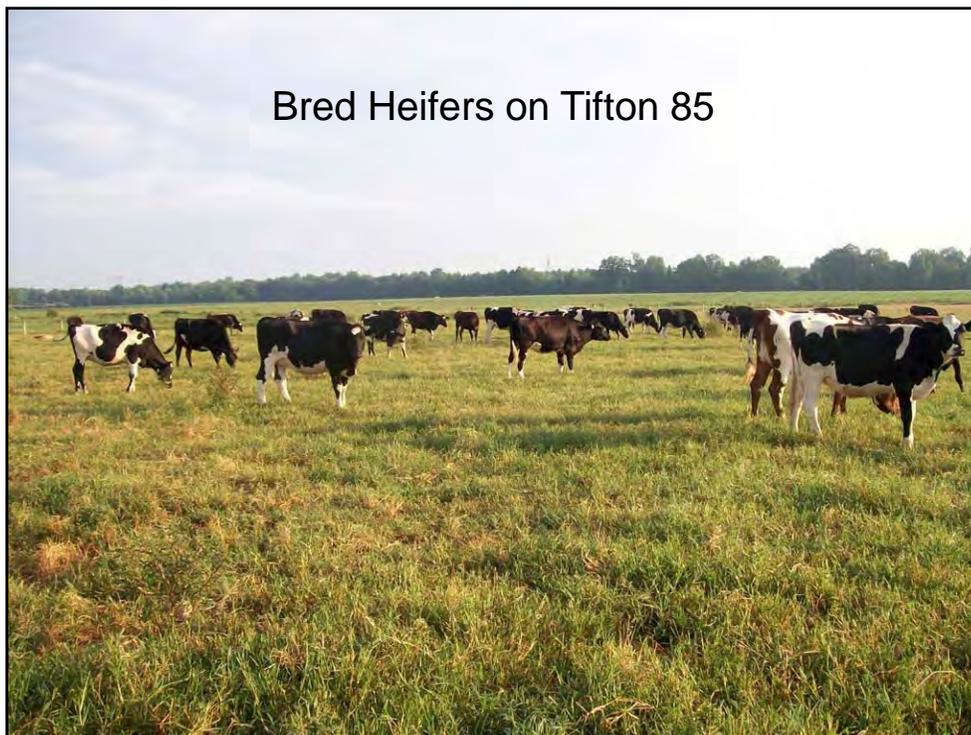


Tifton 85 Bermudagrass

Grazing Management

- Winter Rotation 30 days (Ryegrass and Clover)
- Summer Rotation 10-14 days (Bermuda grass and millet)
- Only the best portion of the sward is consumed by milking herd
- Pastures need to be reset twice per summer
- Each farm has a group of bred heifers to clean up pastures

Bred Heifers on Tifton 85

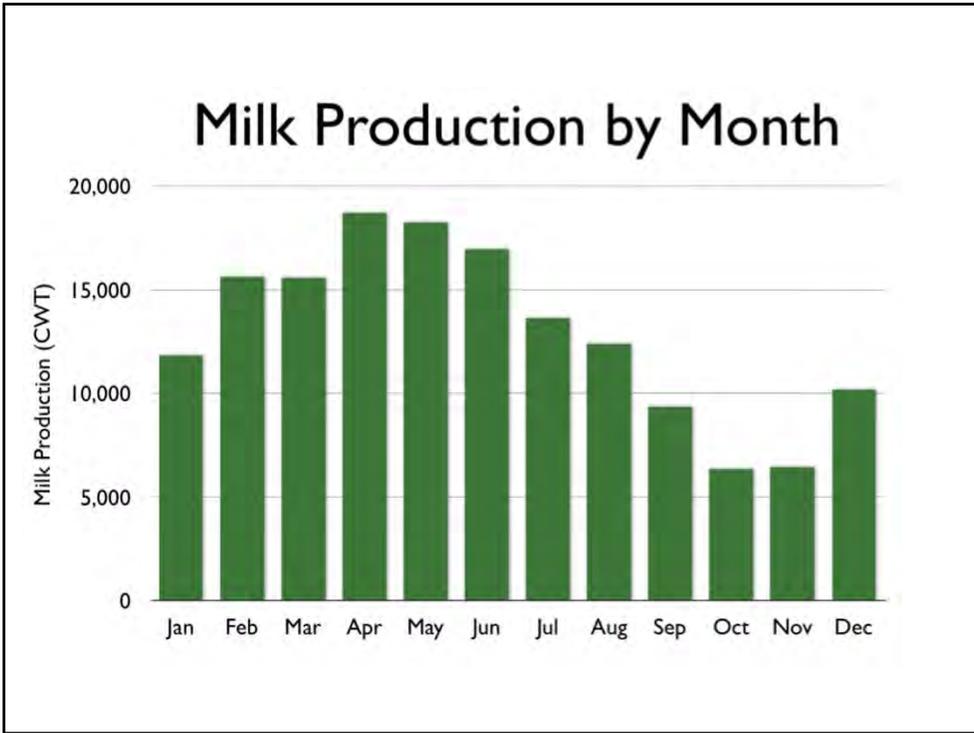


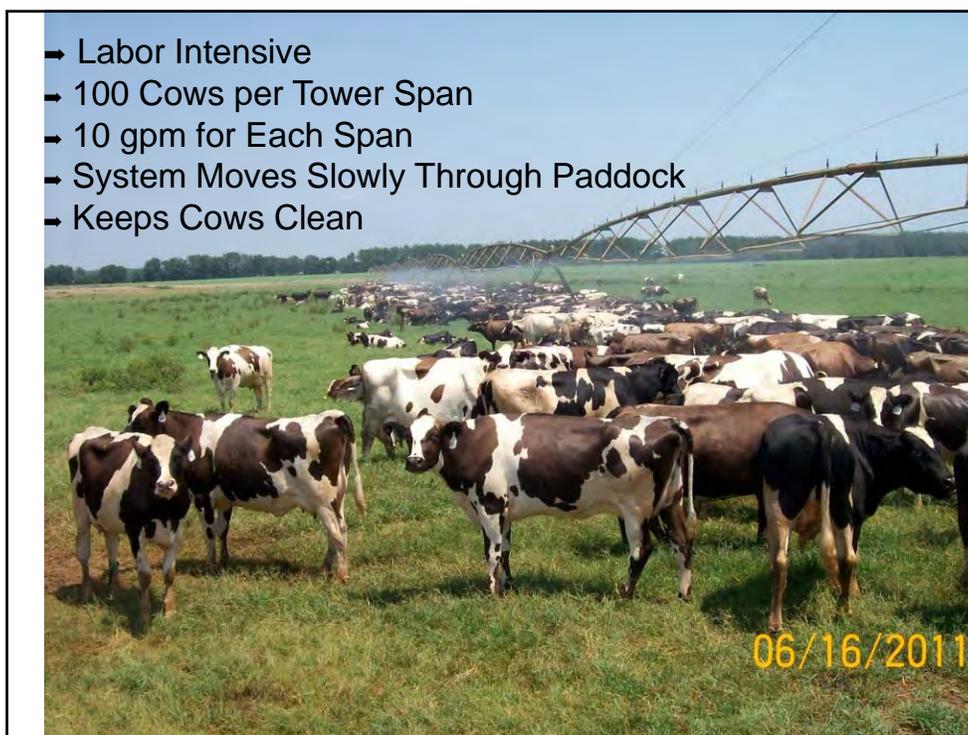
Nitrogen Fertilizer is Applied Through Pivots



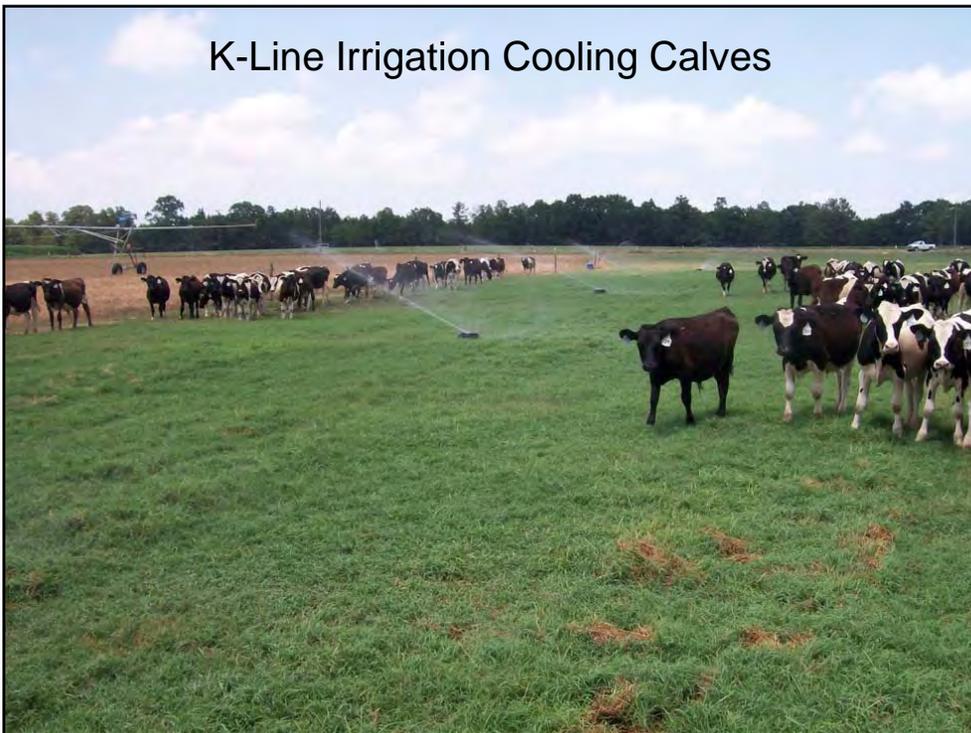
Managing the Livestock

- Crossbreds, coming from US Holstein base
- Committed toward smaller cows
 - Fertility
 - Heat Tolerance
 - Efficiency
 - Handling
- Cows receive cooling from May-September
- Cull Rate = 12% to 20%
- SCC = 200,000 winter to 300,000 summer













Managing the People

- Good people are a treasure
- Heat stress affects people as well as livestock
- Design systems to minimize work in the hot months and the heat of the day
- Supply good housing with air conditioning



