General Observations
- 20–25% increase in LT yield
- Increased fertilizer efficiency
- More consistent yield & quality
- More forage crop options
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Sensor Types
- Neutron
- Capacitance (FDR) $$$
- TDR
- Electrical Resistance

Sensor Arrangements
- Sensors, Data Logger & Communication Equipment $$$
- Sensors & Data Logger
- Sensors Manually Read

Why use Moisture Sensors
- Records
- Training
- Confidence
- Better Yield/Quality
- Environmentally Sound

Rad Yager, Stripling Irrigation Park and CEA Mitchell County
Daily Water Use Detected by Sensors

2nd Checkbook Method
Managed Irrigation Zone
http://www.caes.uga.edu/publications/
Publication # B974

Soil Water Holding Capacity
http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm

Google - Georgia automated weather
Evapotranspiration
Pan Evaporation
http://www.griffin.uga.edu/aem/

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Soil Infiltration Rate
http://www.irrigation.org/

Irrigation Losses & Uniformity
http://www.caes.uga.edu/publications/
Publication # C965

3rd UGA EASY Pan Method
Daily Crop Water Needs
http://www.caes.uga.edu/publications/
Publication # B1201

Reduction in yield potential per drought day

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Thank You!
Questions?