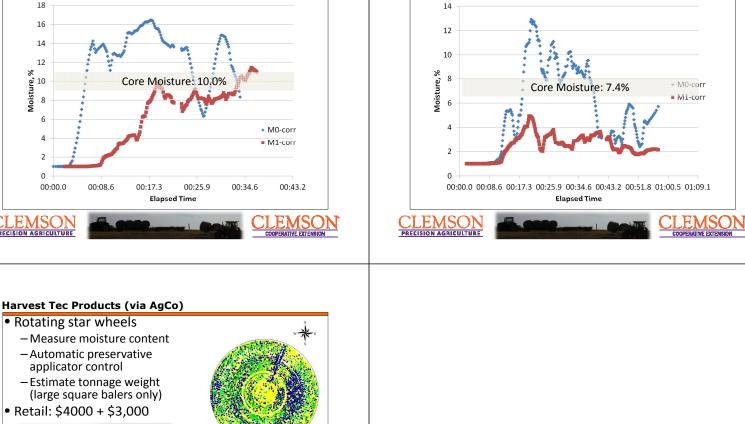


AgraTronix BHT-2 - Moisture Measurement



CLEMSON ROUND BALE WEIGHING SYSTEM RESEARCH & DEVELOPMENT

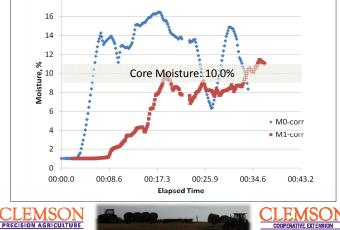




AgraTronix BHT-2 - Moisture Measurement 18

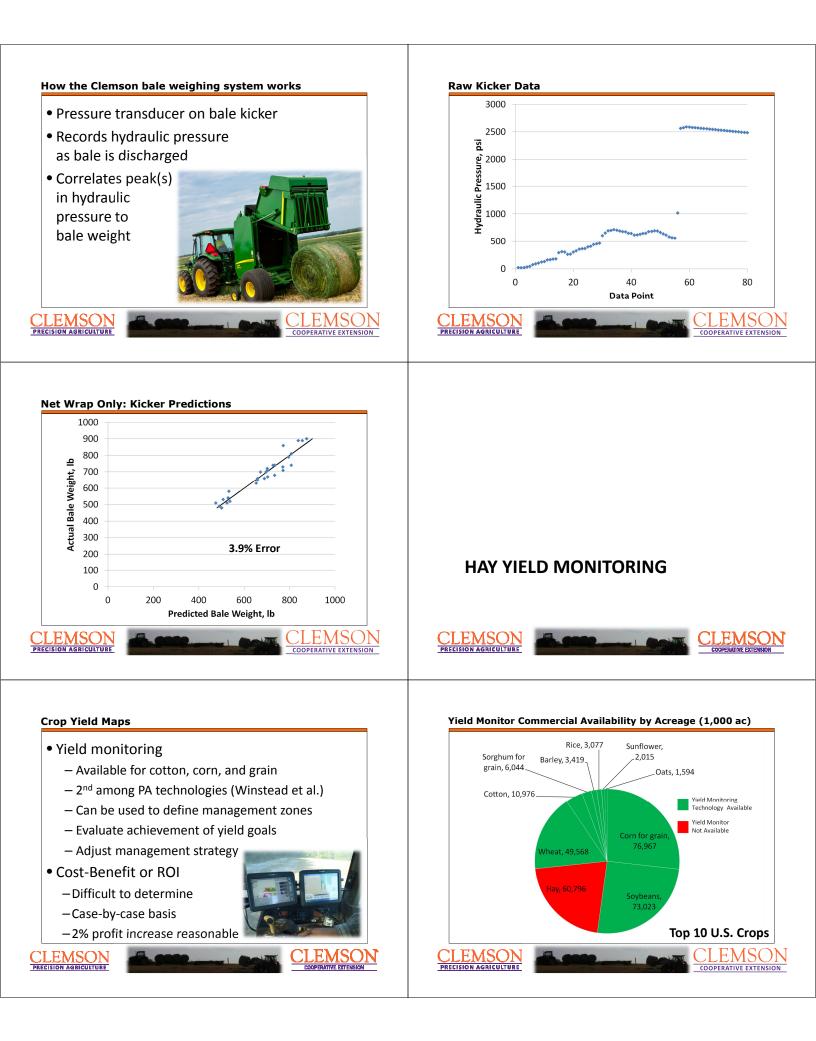
EMSON

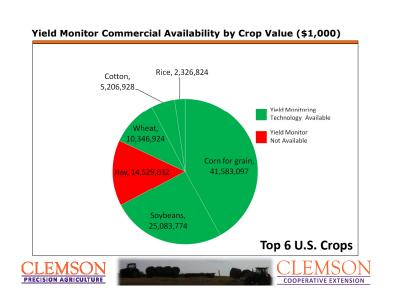
PRECISION AGRICULTURE



(47.4ac.)Field Boundary Field 1 Dry yield Field 1 - 4th cutting • 0 - 1 ton/A • 1 - 1.5 • > 1.5

EMSO





How the Clemson hay yield monitor works

- Tongue/throat mounted sensors measure windrow height on-the-go
- Window height multiplied by distance traveled to calculate
- windrow volume
 Windrow volume correlated to bale weight and/or bale count

EMSO



COOPERATIVE EXTENSION

Unique features of the Clemson hay yield monitor

- Adaptable to any baler
 - -Round balers
 - Small square balersLarge square balers
- Multiple calibration capabilities
- Aftermarket retrofit or OEM option

EMSON





EMS

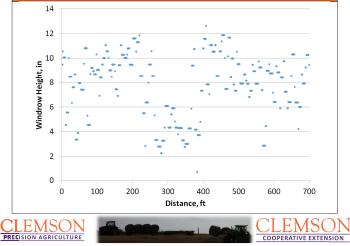


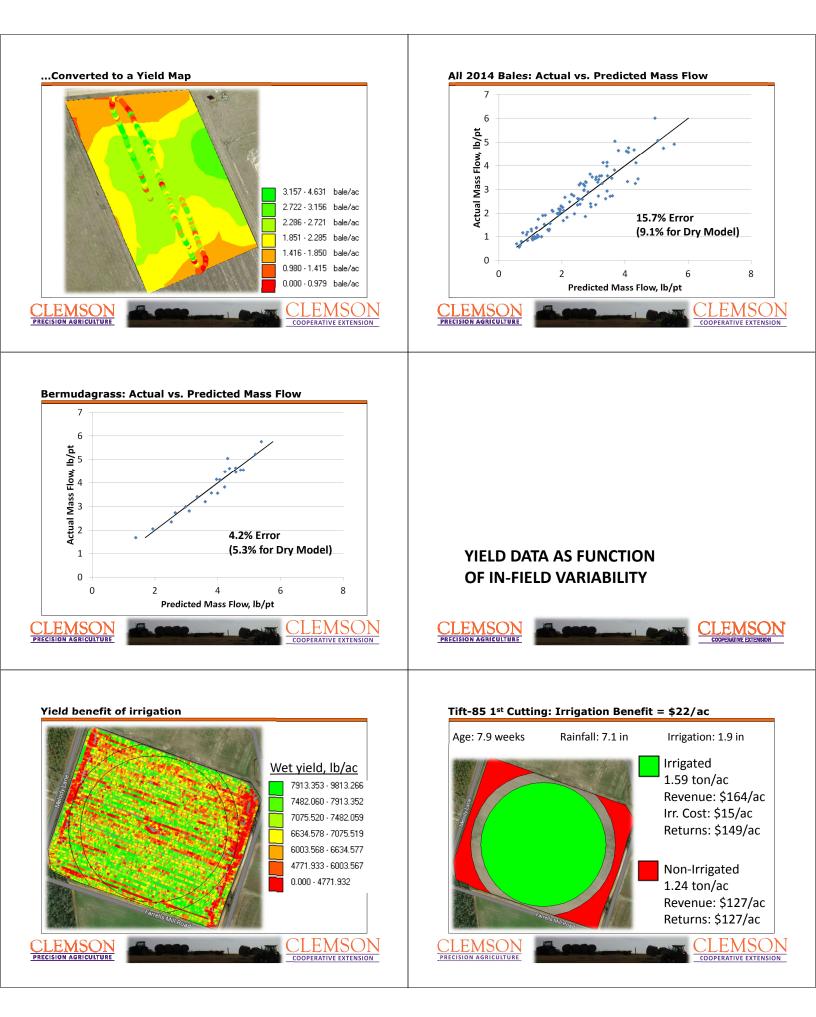
CLEMSON HAY YIELD MONITOR

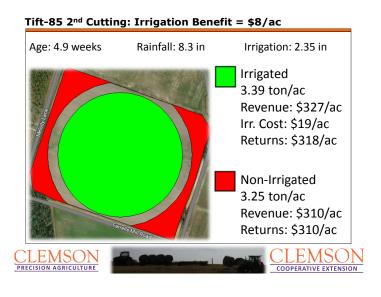
DEVELOPMENT

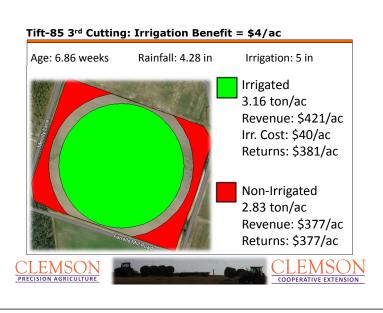
CLEMSON PRECISION AGRICULTURE



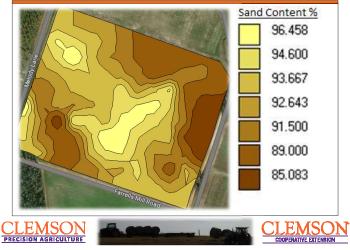






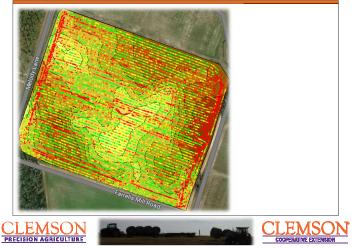


Tift-85 Yield Relationship with Sand Content



Tift 85 1st Cutting Yield by sand content under irrigation 4000 y = 128.09x - 8646.2 3500 $R^2 = 0.958$ 3000 2500 2000 Xield Ib/ac 1500 1000 500 0 ⁹⁰ Sand %⁹² 84 86 88 94 96 98 EMSON EMSO NACRICULTURE

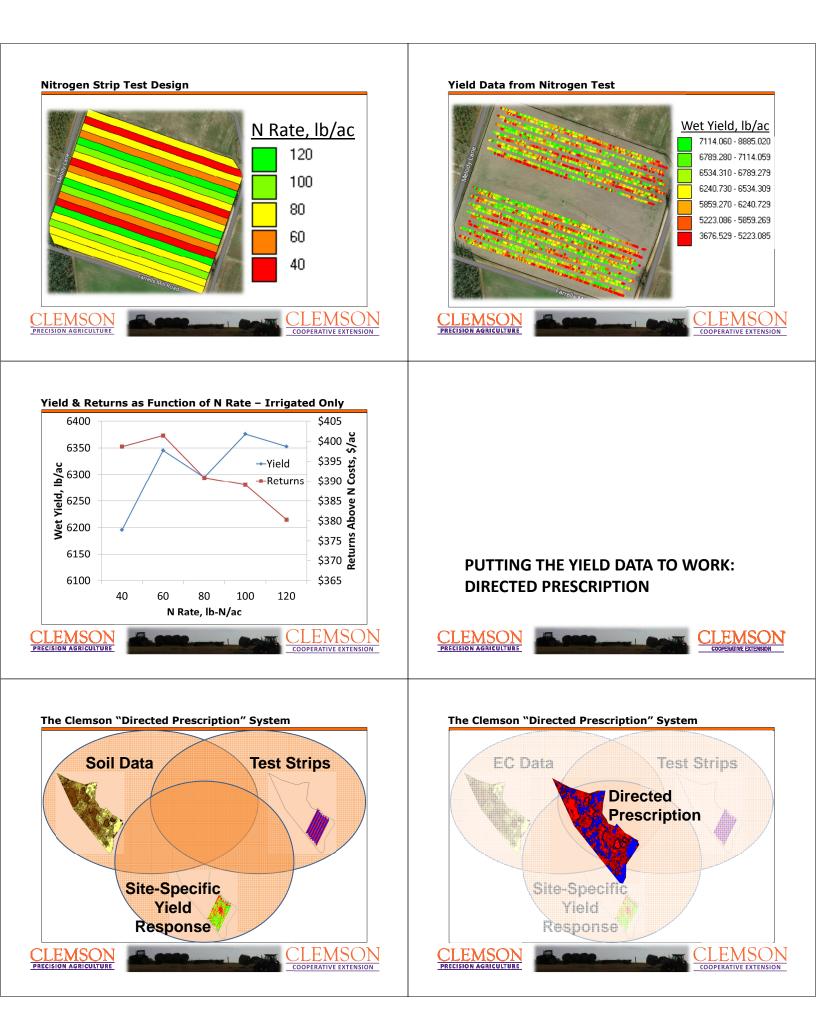
Tift-85 Yield Relationship with Sand Content

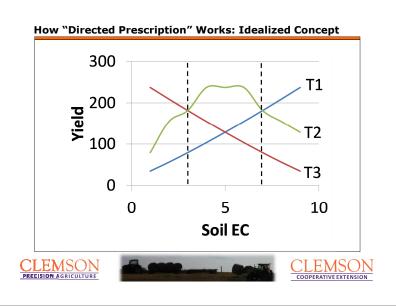


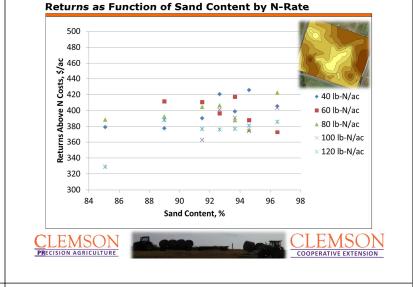
LESSONS LEARNED: NITROGEN TESTS



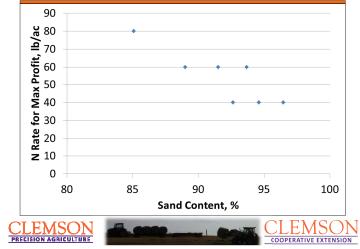


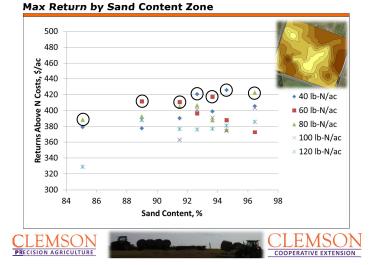


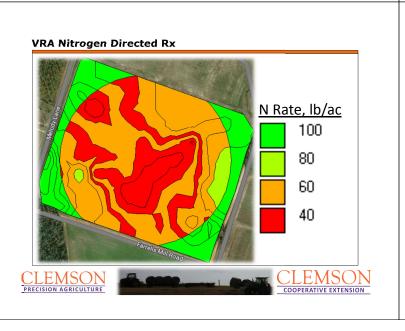




N-Rate for Max Profit by Sand Content

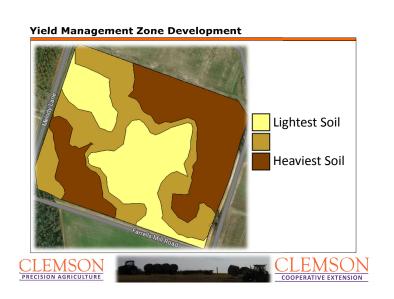




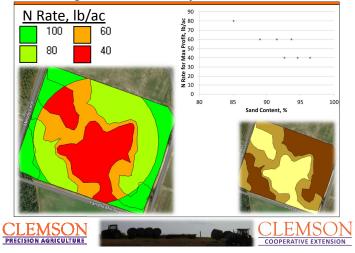


YIELD MANAGEMENT ZONES: VARIABLE RATE NITROGEN Rx





Yield Management Zone Development



Benefit Potential from VRA-N in Hay



POTENTIAL FOR BENEFIT FROM VRA IN HAY

EMSON

