

Sensor Field Requirements

Master Irrigator Program

2025

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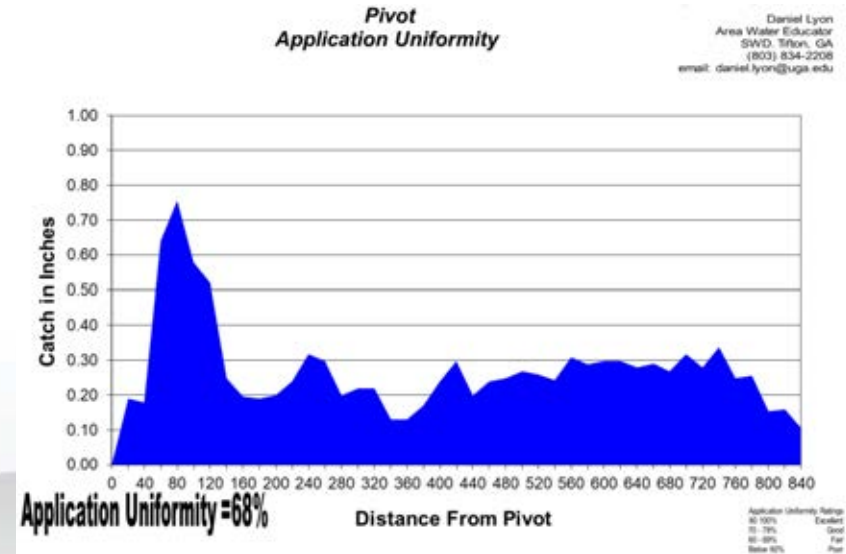
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Site Selection Considerations

- Pivot Uniformity
 - First tower and end gun have the worst uniformity
- Topography
 - Low spots that hold water
 - Sandy hills that dry quickly



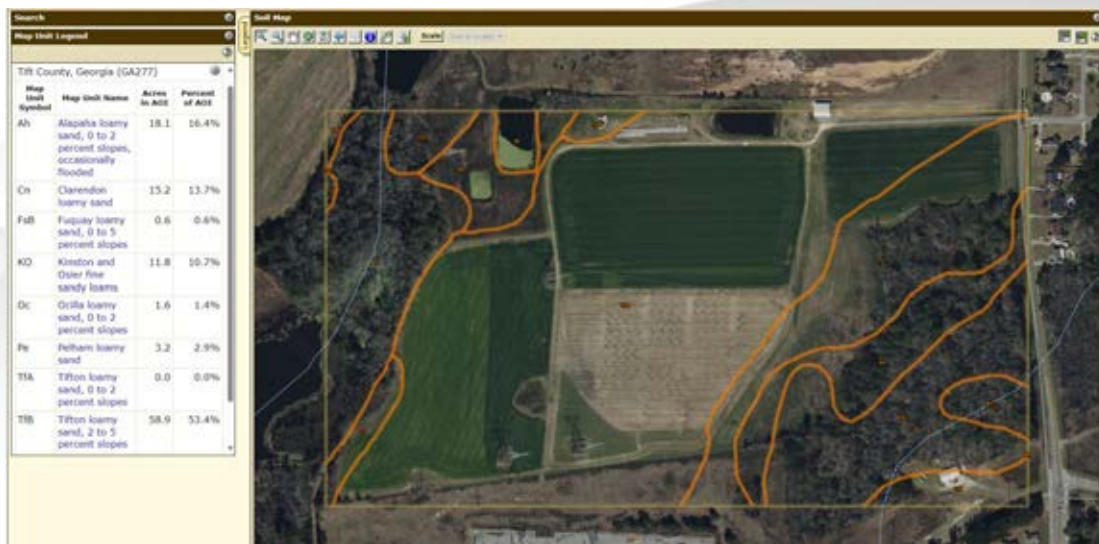
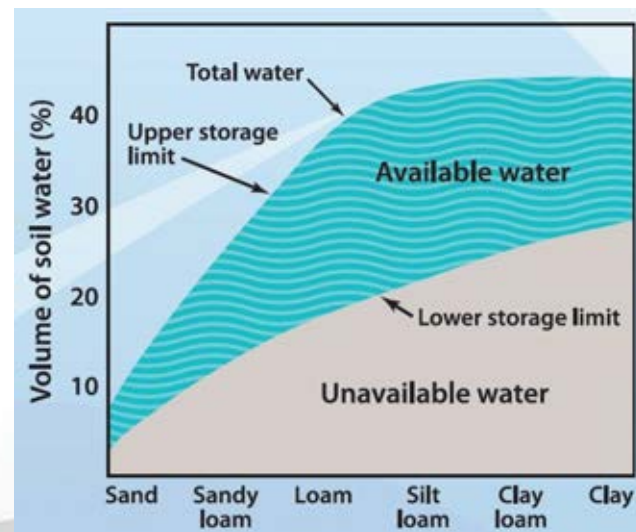
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Site Selection Considerations

- Soil Type
 - What is the predominant soil type in the field?
 - Web Soil Survey
- Machinery Paths
 - Pivot Tracks
 - Sprayer Track



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Prattville, AL



Cordele, GA



Hazlehurst, GA



Eupora, MS



Belle Mina, AL

Site Selection

Look for...

- Representative local vegetation
- Dominant species
- Little to no human disturbance
- Good access
- Healthy

Avoid...

- Pivot road
- Tracks
- Start area

USE SATELITE
IMAGERY

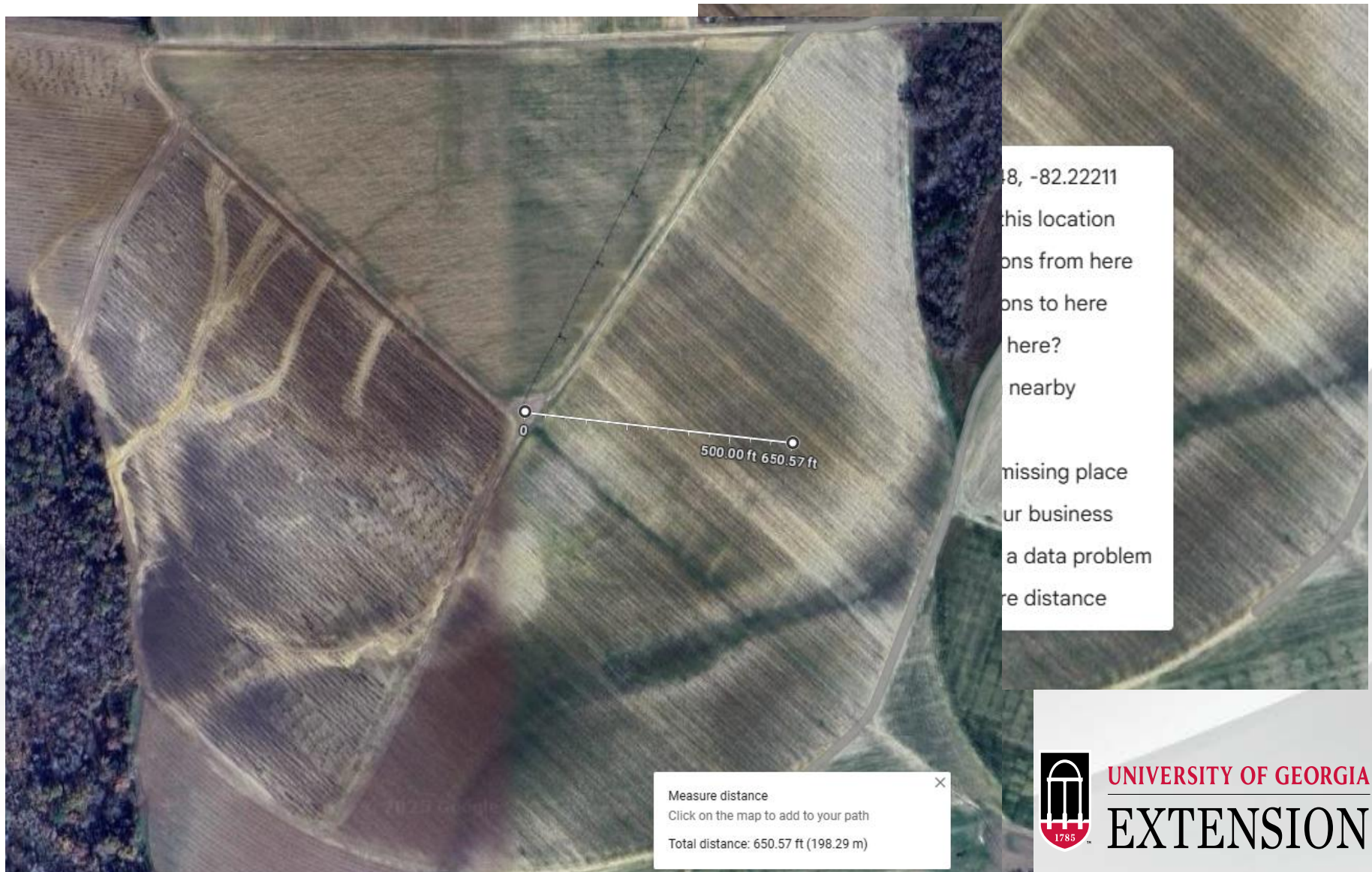


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Satellite Imagery...



Satellite Imagery...



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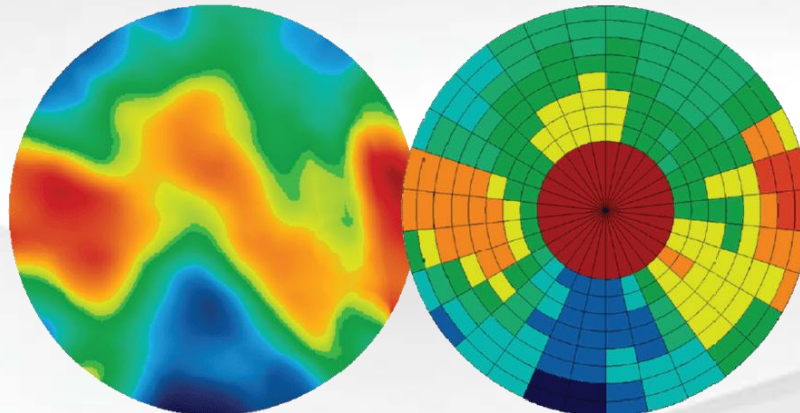
Multiple Sensors?

"My field is evenly split between multiple soil types. Should I put more than one sensor out to see how they compare"?

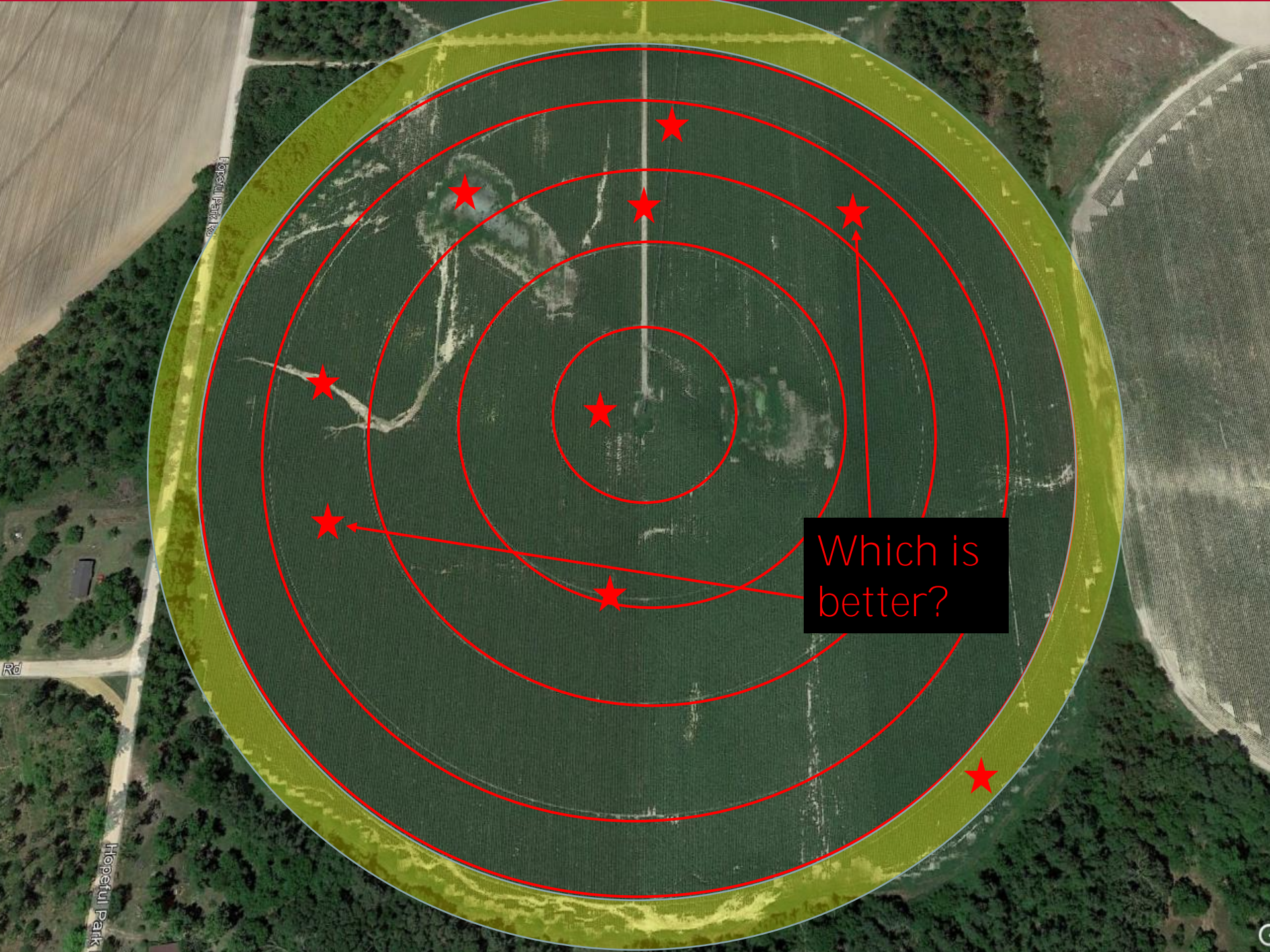
Well, it depends

Ask the questions...

1. Is my system capable of variable rate irrigation?
2. Is the variability large enough that it is worth irrigating differently?
3. What will I do with that data?



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Which is better?

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THANK YOU!



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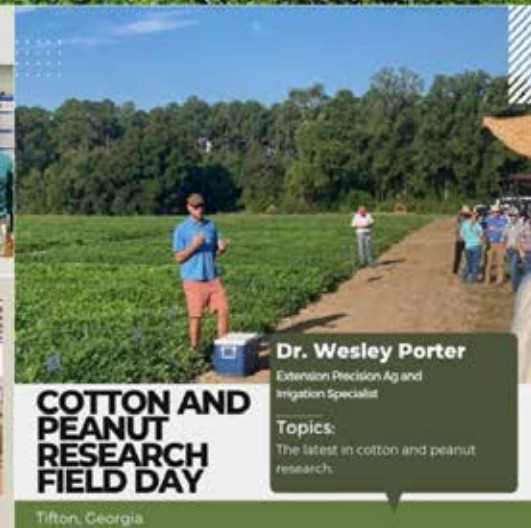
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Laurens County
Ag Day



Emanuel County, GA



Dr. Wesley Porter
Extension Precision Ag and
Irrigation Specialist

Topics:
The latest in cotton and peanut
research.

Tifton, Georgia