

# Improving Irrigation Decision Making Using Soil Moisture Sensors



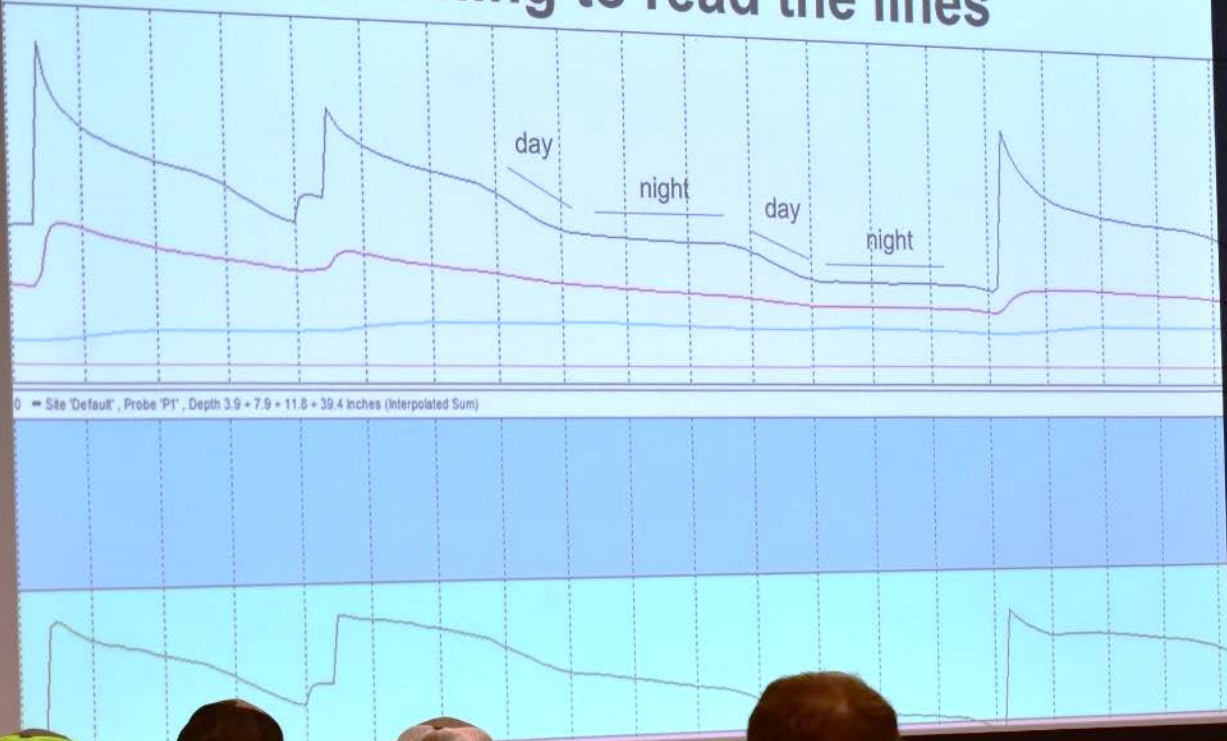
Charles Barrett  
February 25, 2020  
Water Institute Symposium



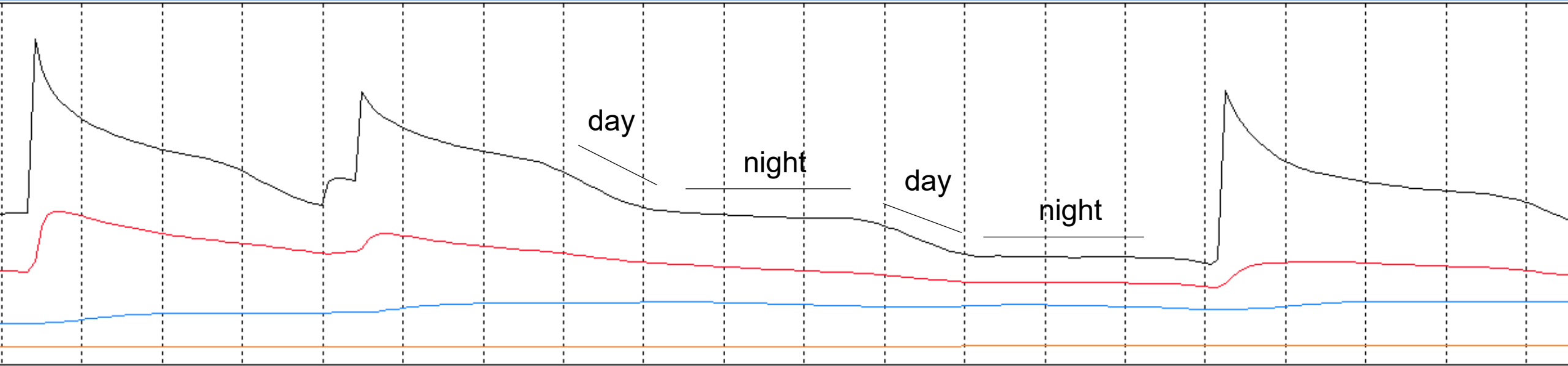




# Learning to read the lines

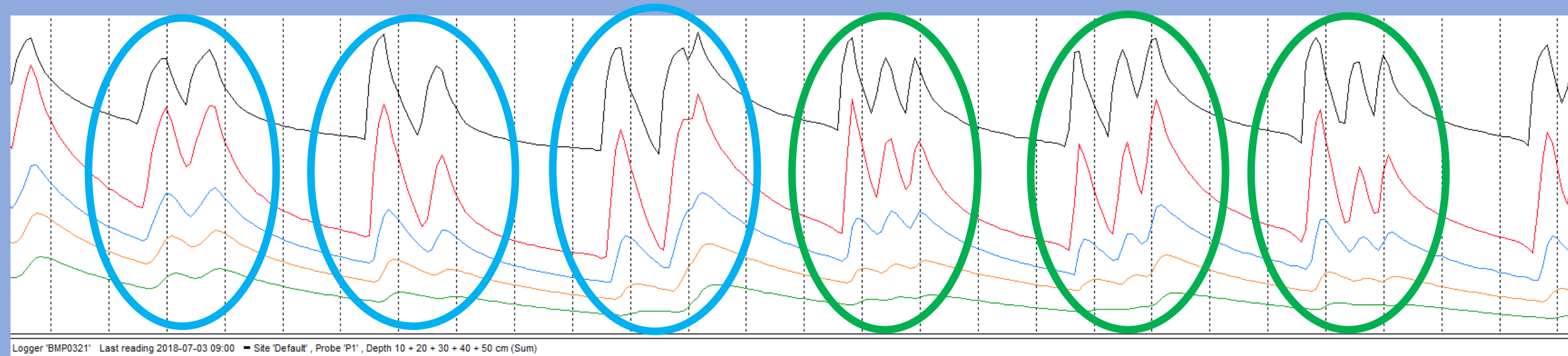


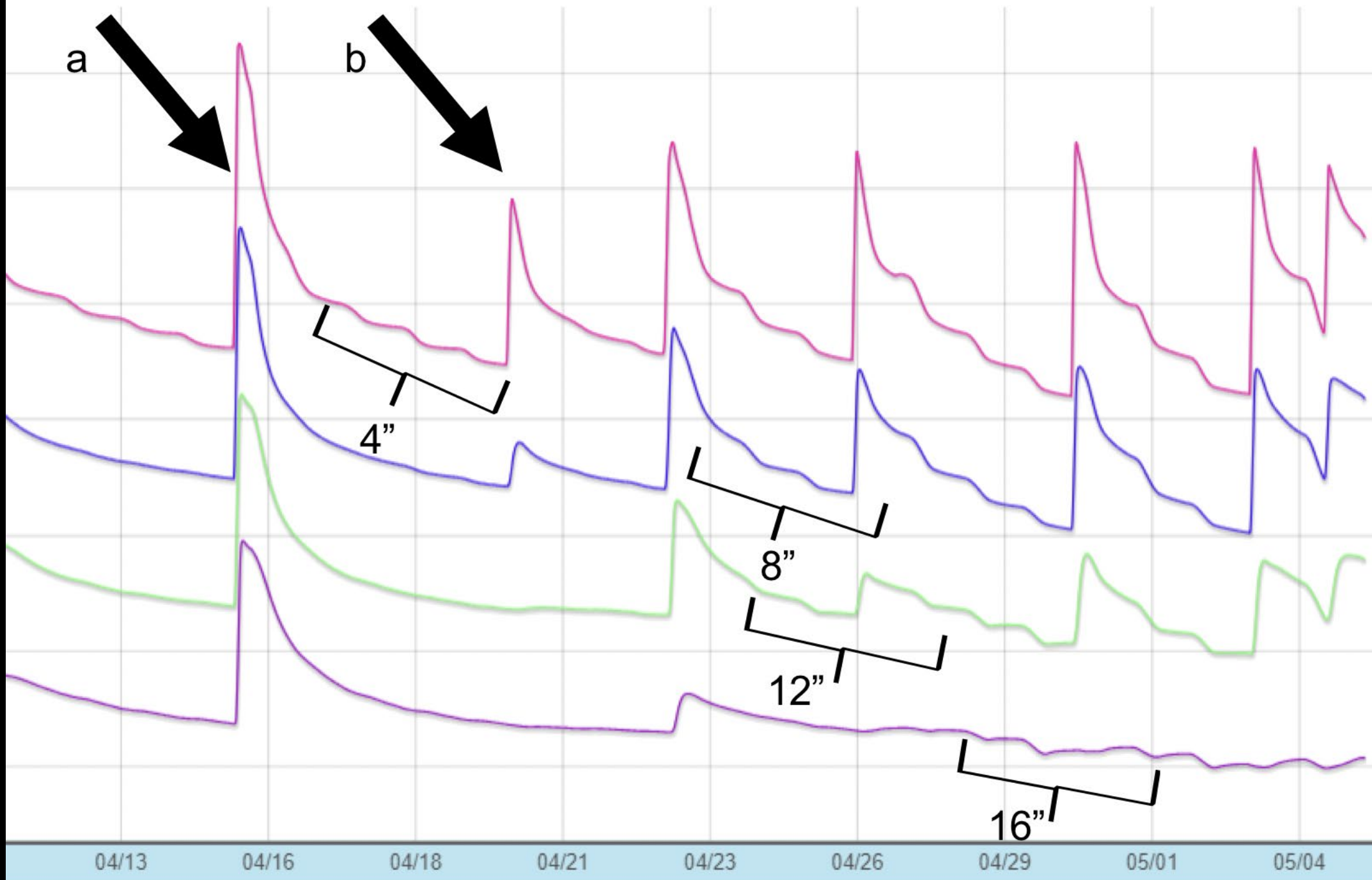
# Learning to read the lines



0 - Site 'Default', Probe 'P1', Depth 3.9 + 7.9 + 11.8 + 39.4 Inches (Interpolated Sum)

# What else do the lines tell us?







Leslie Farms Watermelons

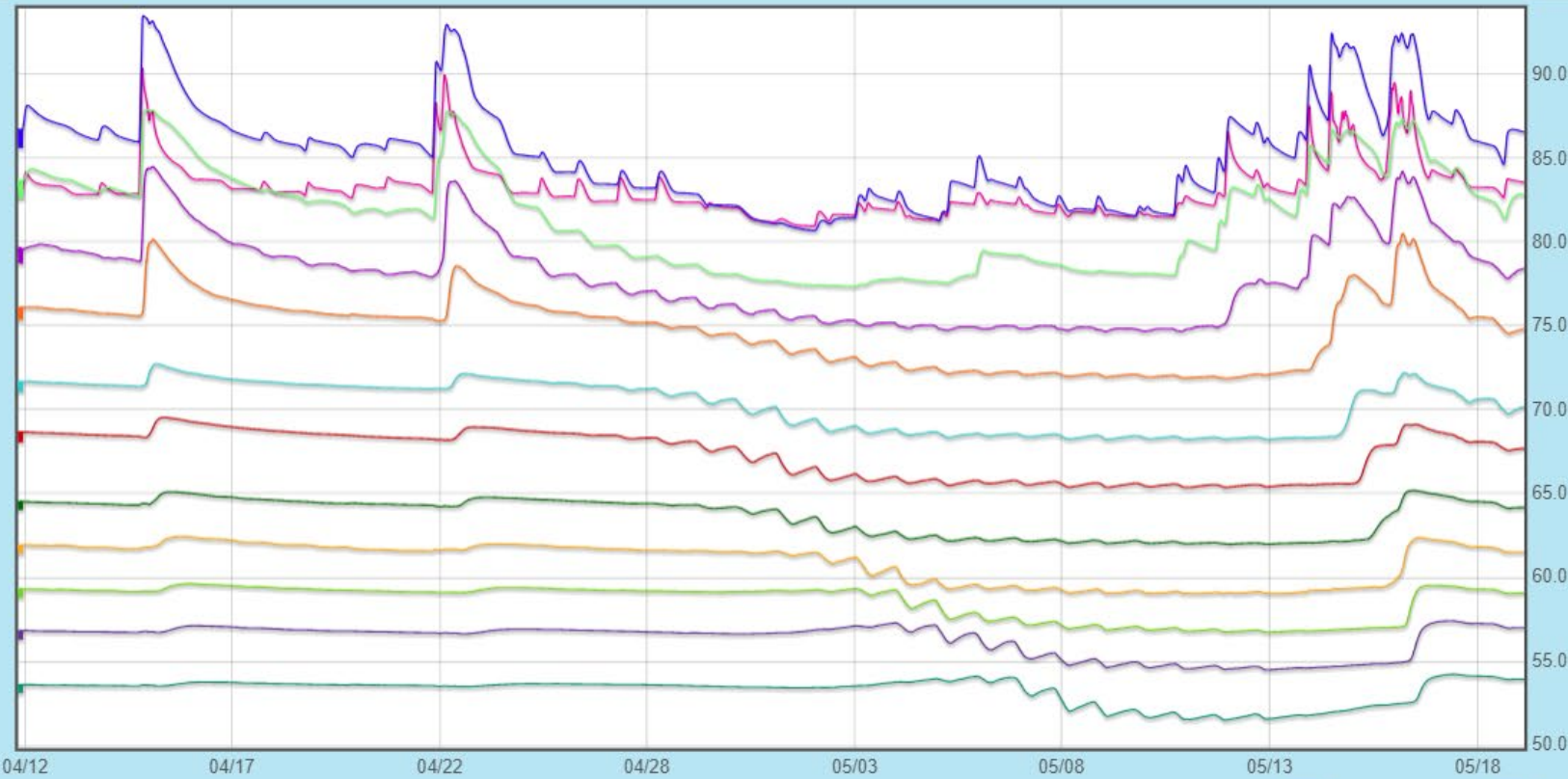
Planted 03/07/2018

Create New Season

Rain 57°F  
Wind: 6 mph NE  
Humidity: 94%  
Last Reported: 07/05/2018 01:16 AM  
Last Irrigation/Rain: N/A  
Root Depth: 20"



Summary Moisture EC Temp° Template



- °F
- 4"
- 8"
- 12"
- 16"
- 20"
- 24"
- 28"
- 32"
- 36"
- 40"
- 44"
- 48"
- Toggle All

Reset Graph  
Export Data

- Spread 3 +













**Us**

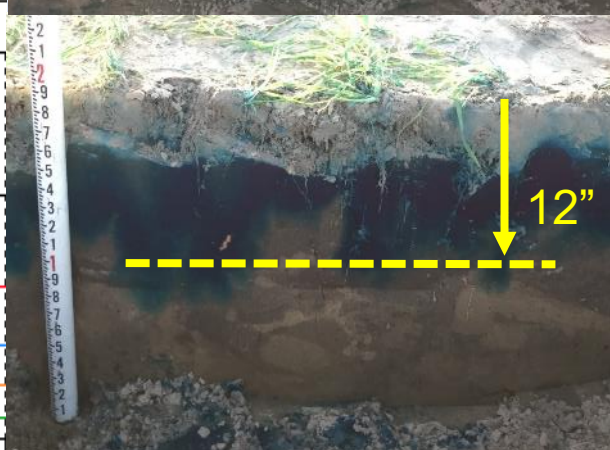
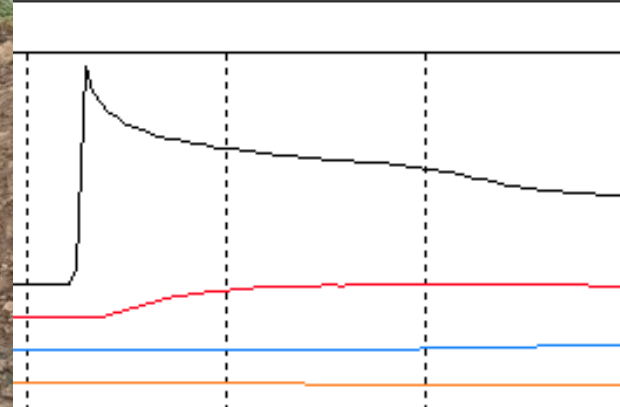
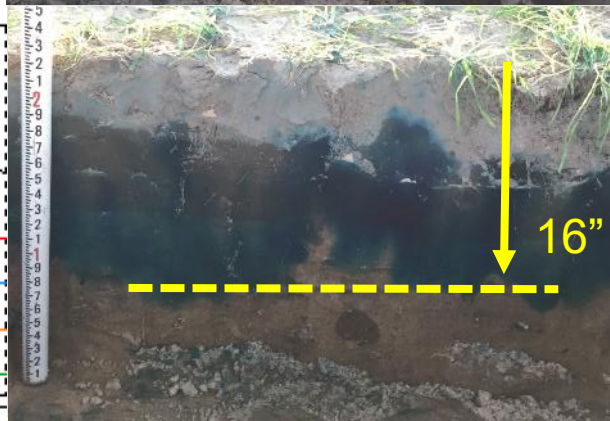
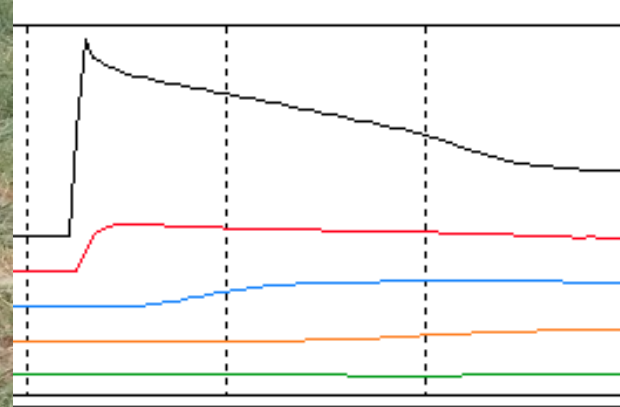
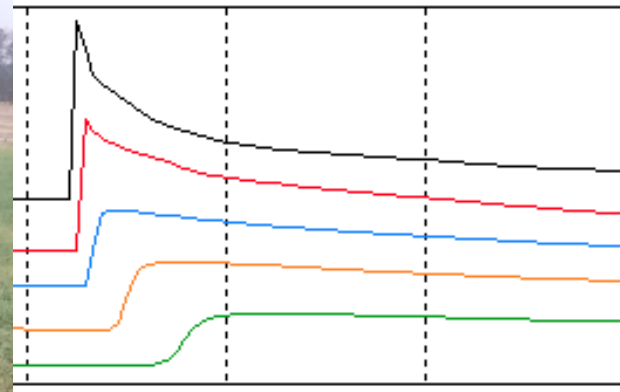


**Other guy**





# Soil Moisture Sensor Outputs + "blue dye don't lie!"



2:00 00:00 12:00 00:00

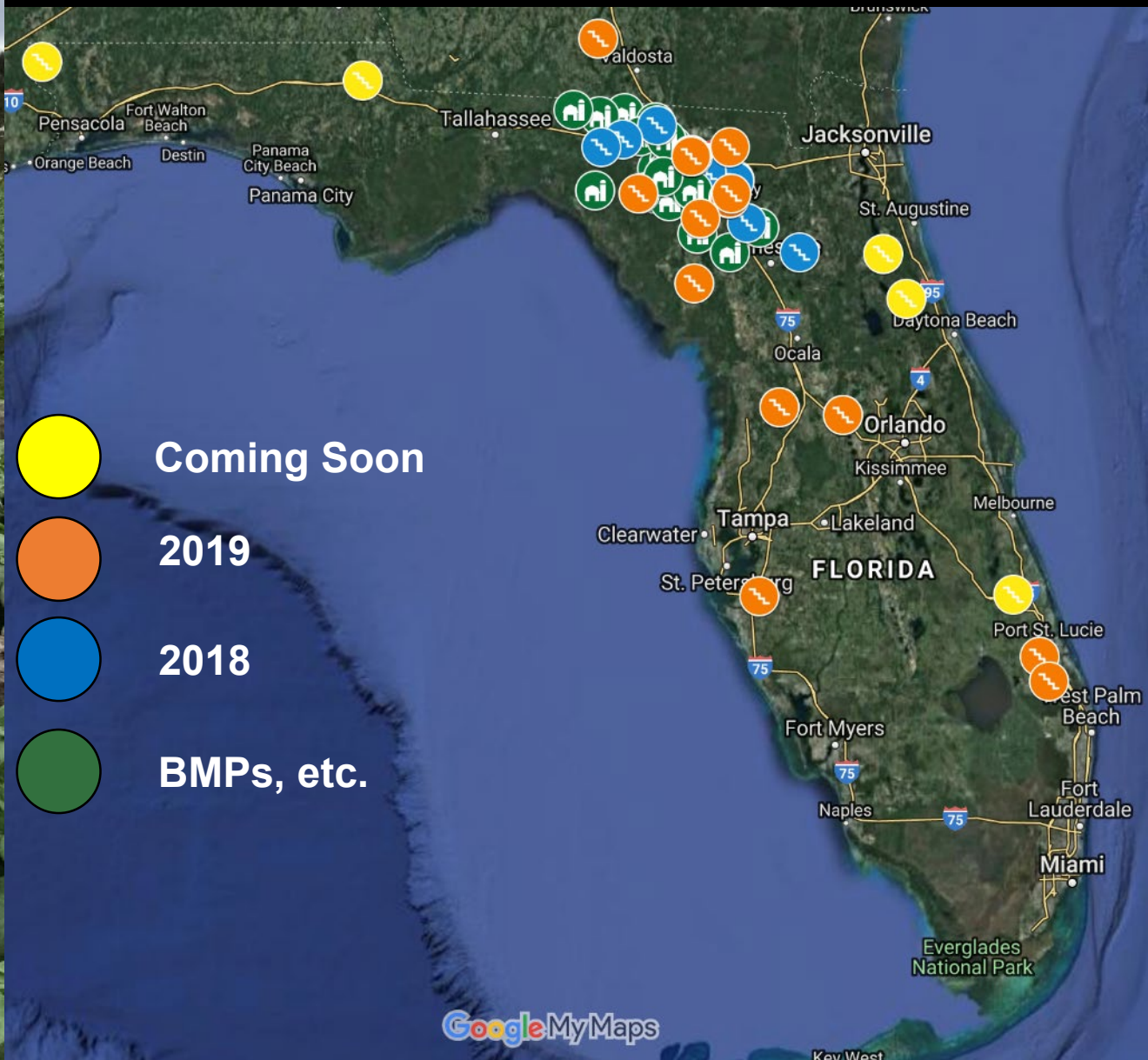


# Engaging Agents

- Field days
- In-service trainings
- Farm visits, installs, follow-ups
- **In-season workshops with live data**





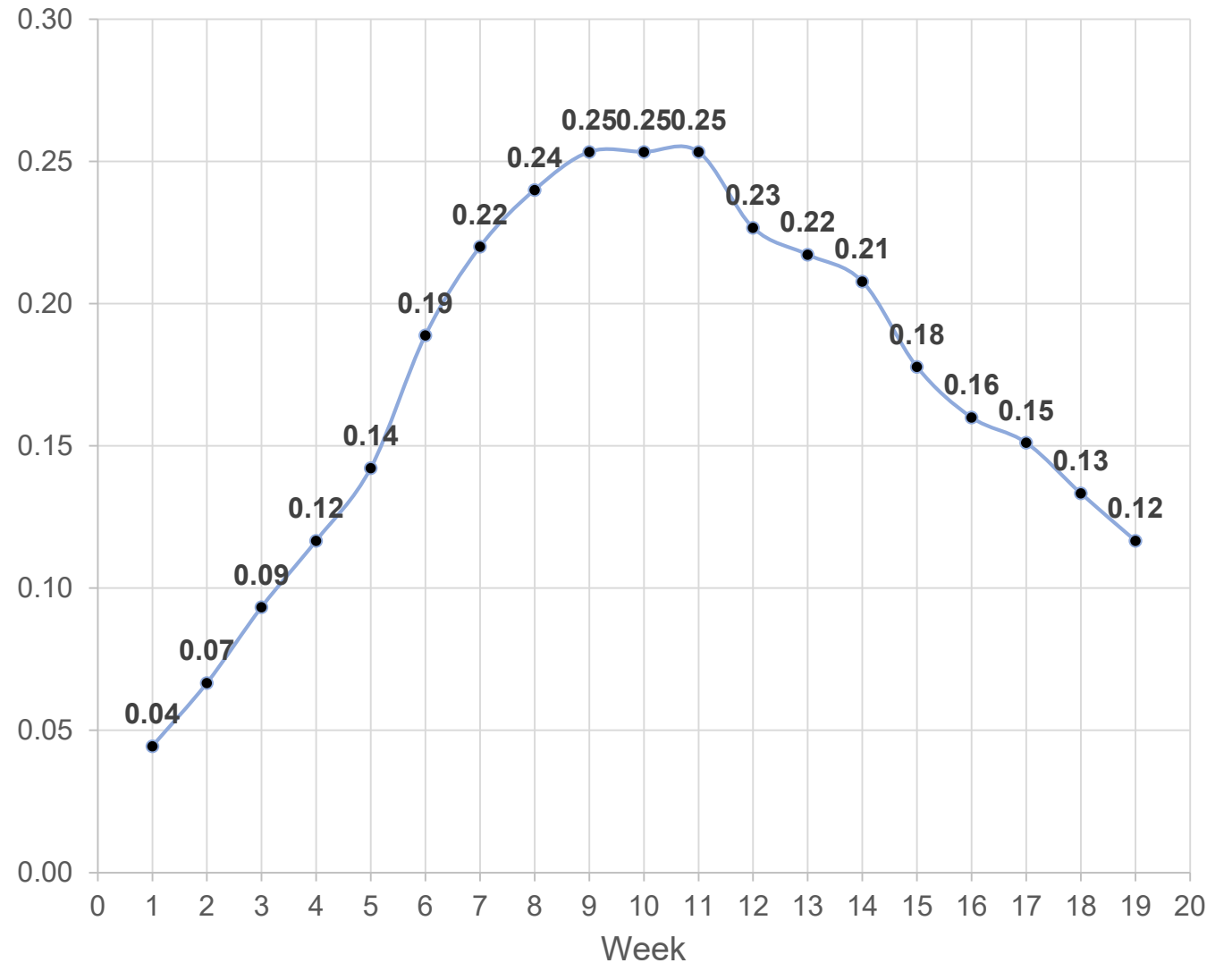




# Irrigation Scheduling

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## Corn Water Demand in/day





# Questions?

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