



Track: Vineyard / Grower
2:30pm - 3:30pm

Conference Track
Presented by:

WINE INDUSTRY
.JOBS

MODERATOR



Allison Jordan
Executive Director /
California Sustainable
Winegrowing Alliance



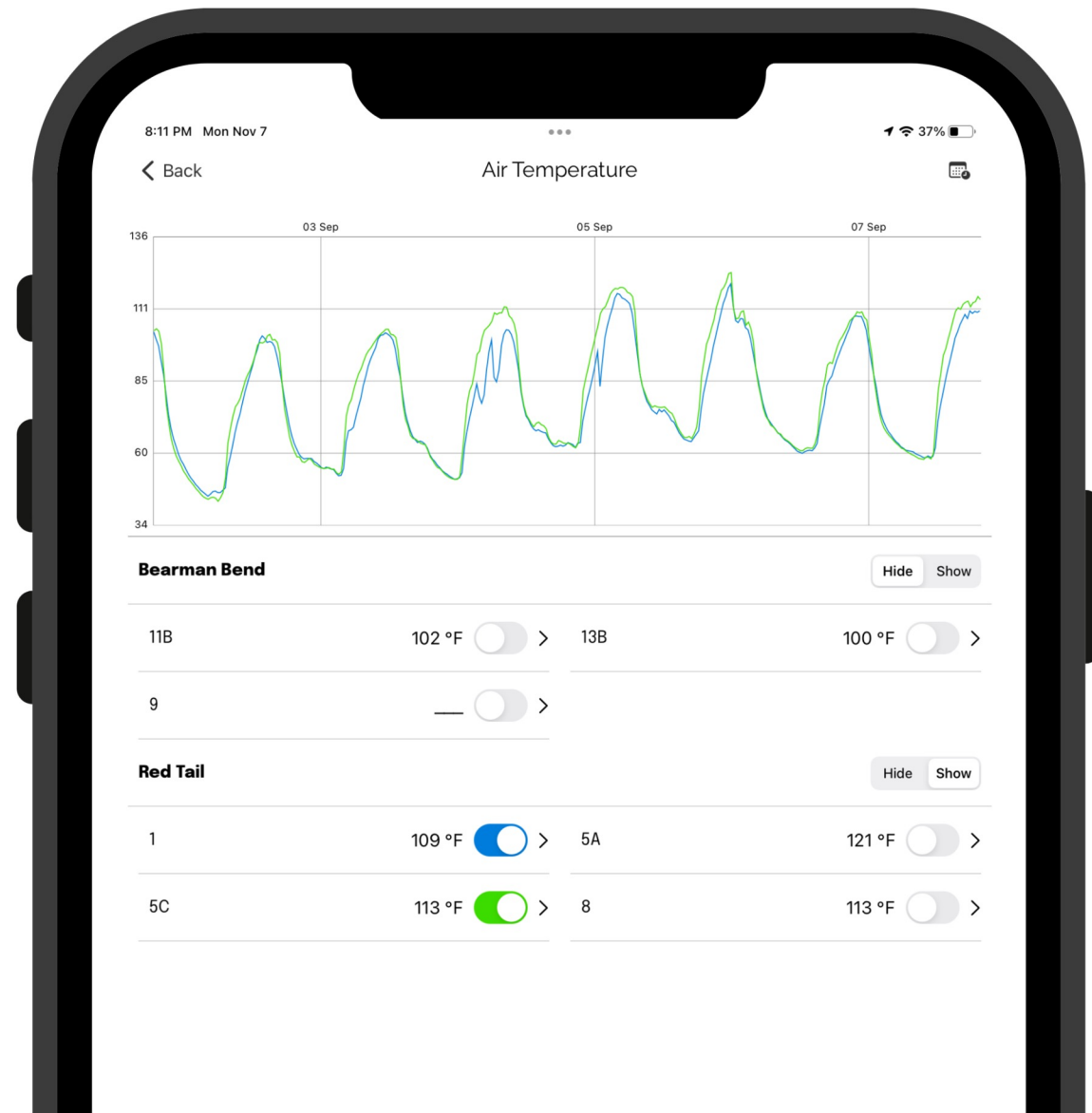
Allison Bettis
Viticulturist /
Silver Oak Winery

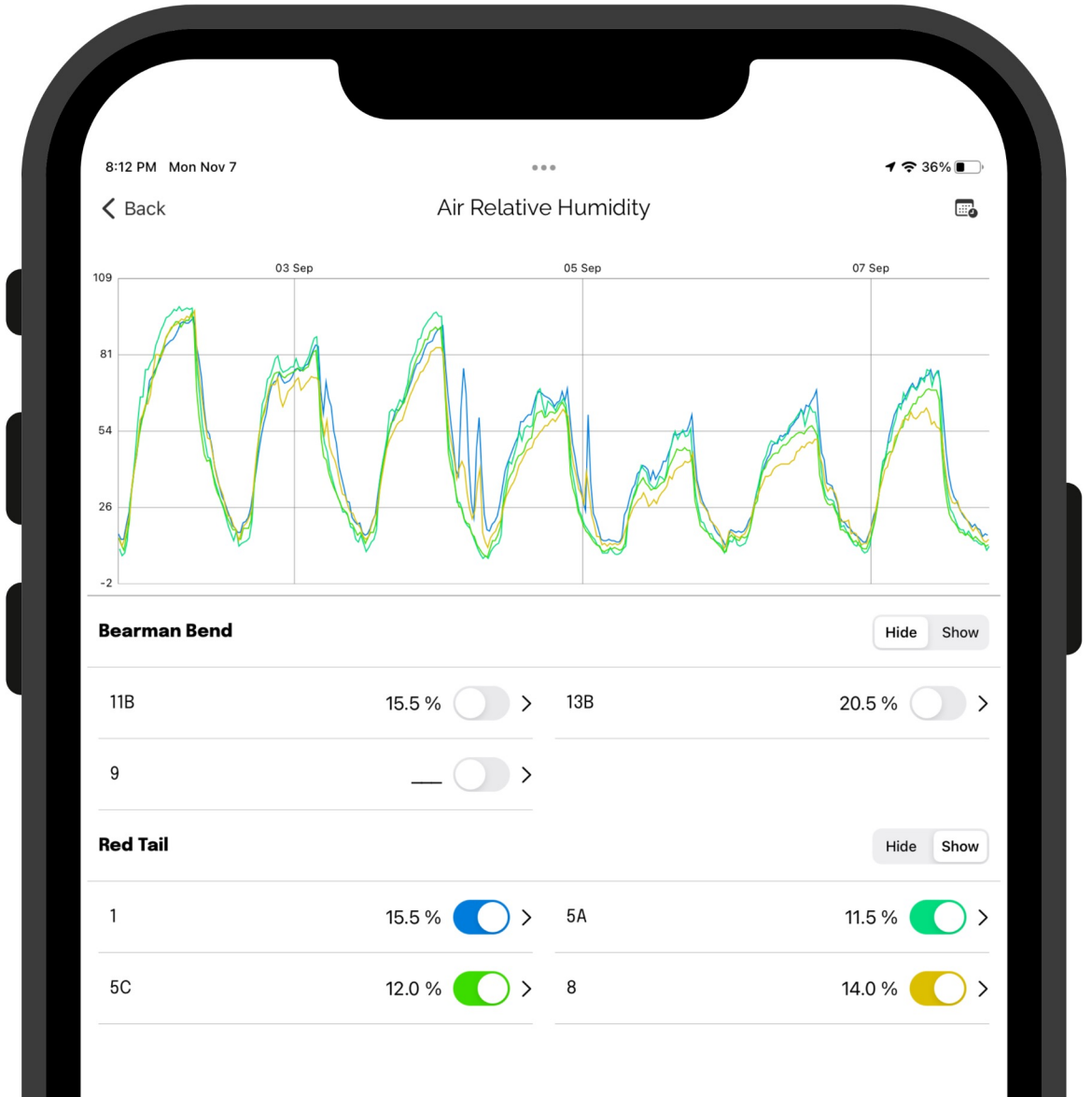


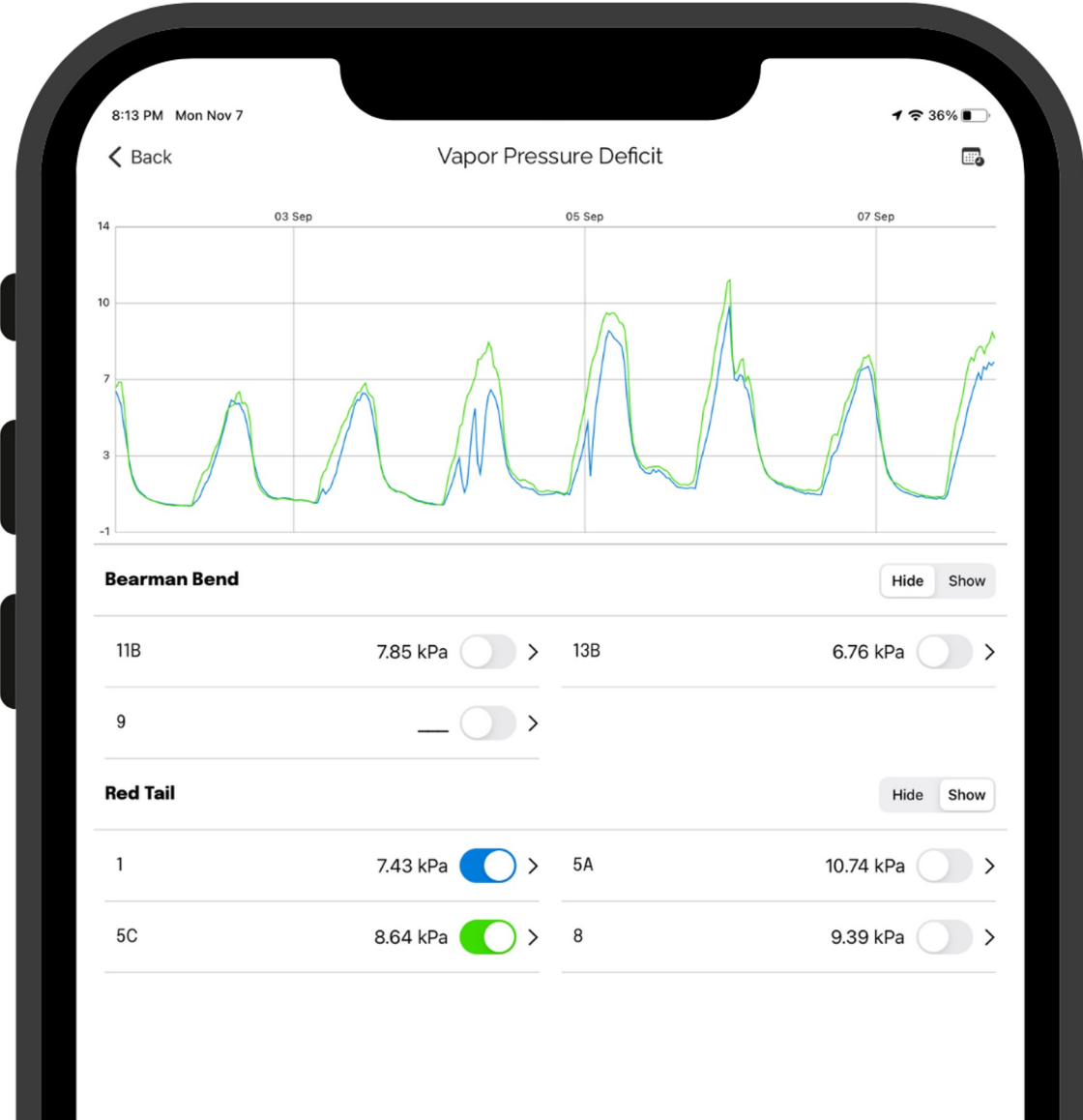
Adam Koepfel
CEO / Agrology

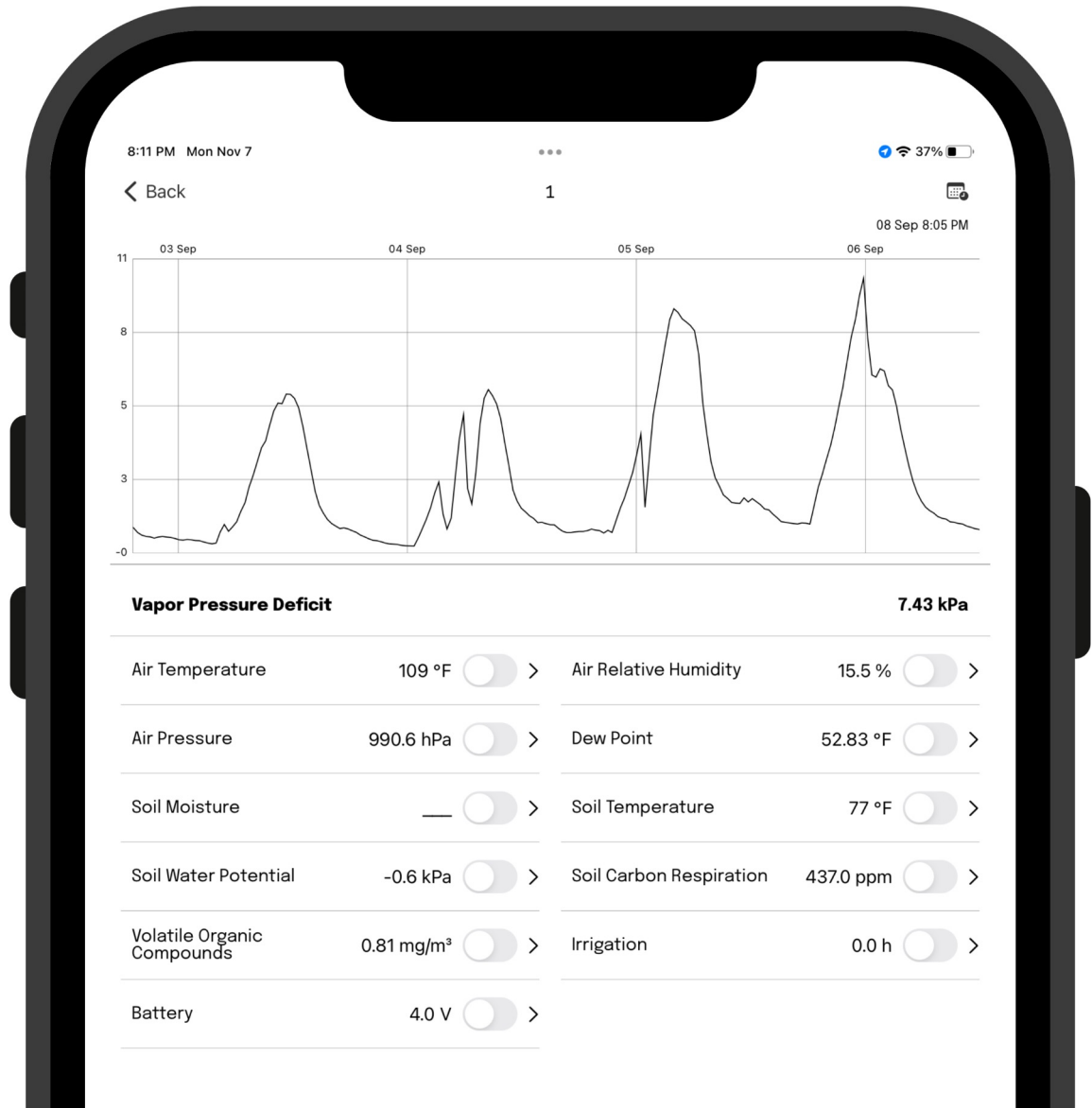


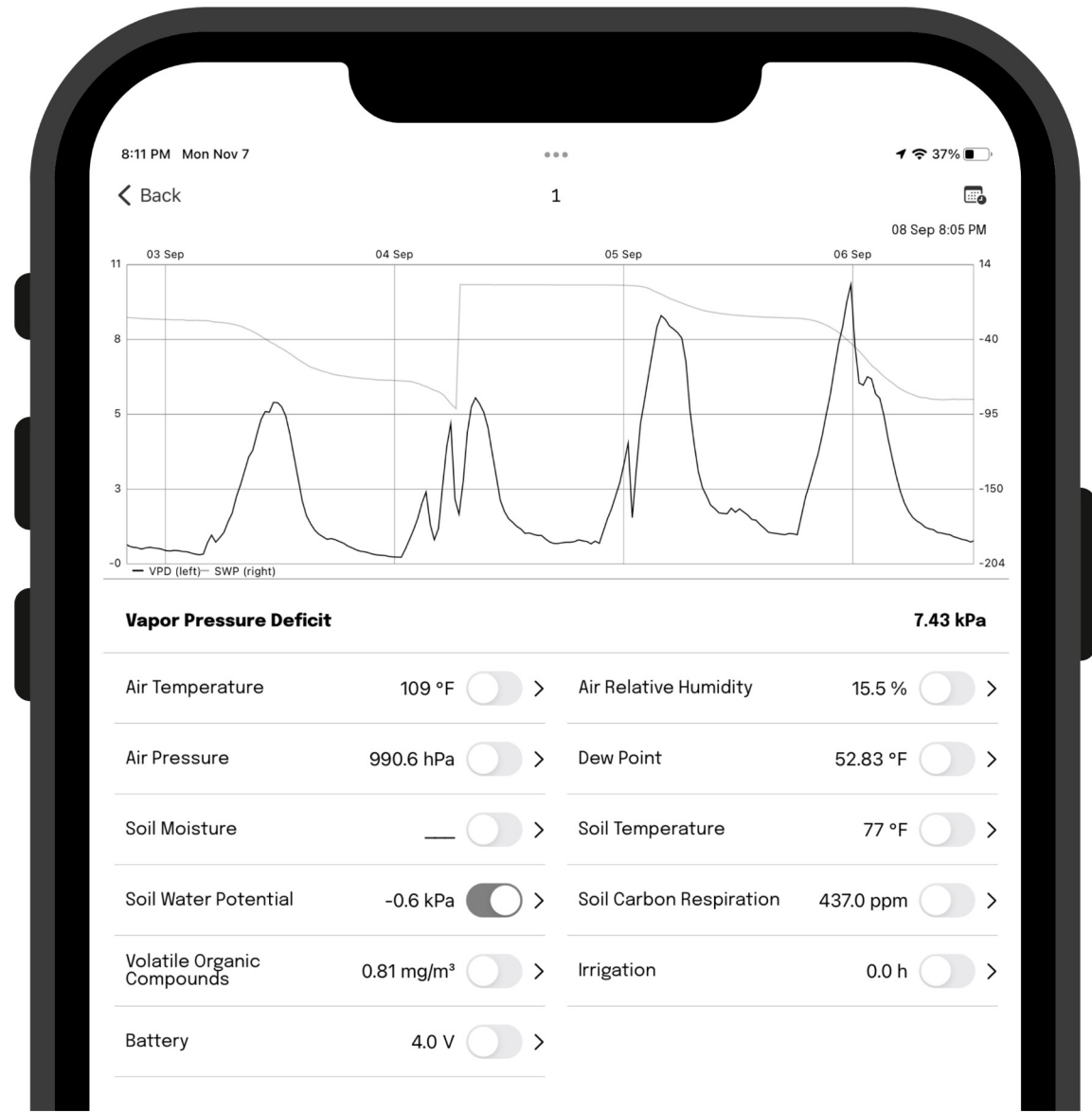
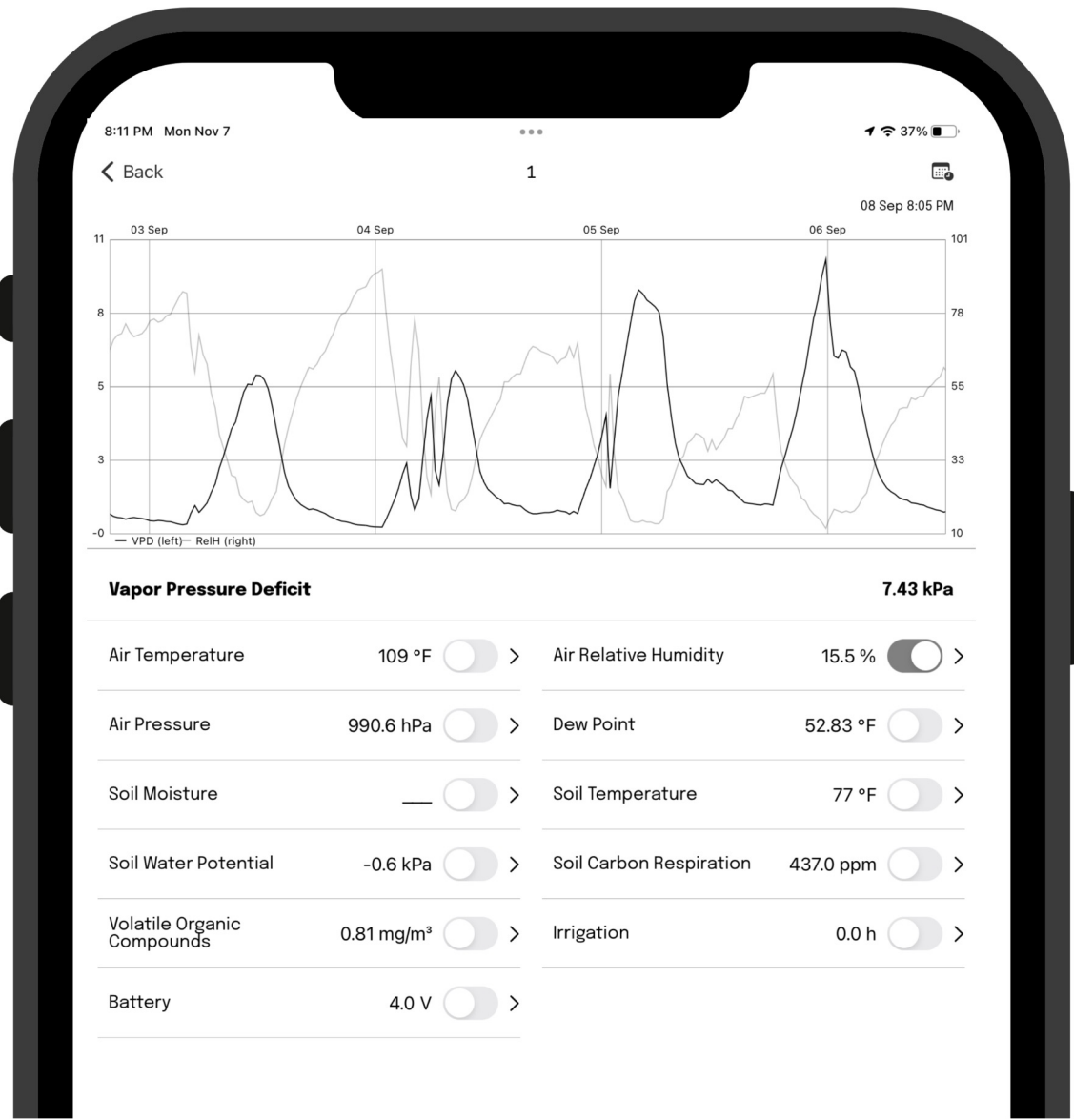
Tony Stephen
Chairman / American
Vineyard Foundation











Topics

- 1) Design, Testing & Maintenance***
- 2) Sensors & Automation***
- 3) Precision Irrigation***



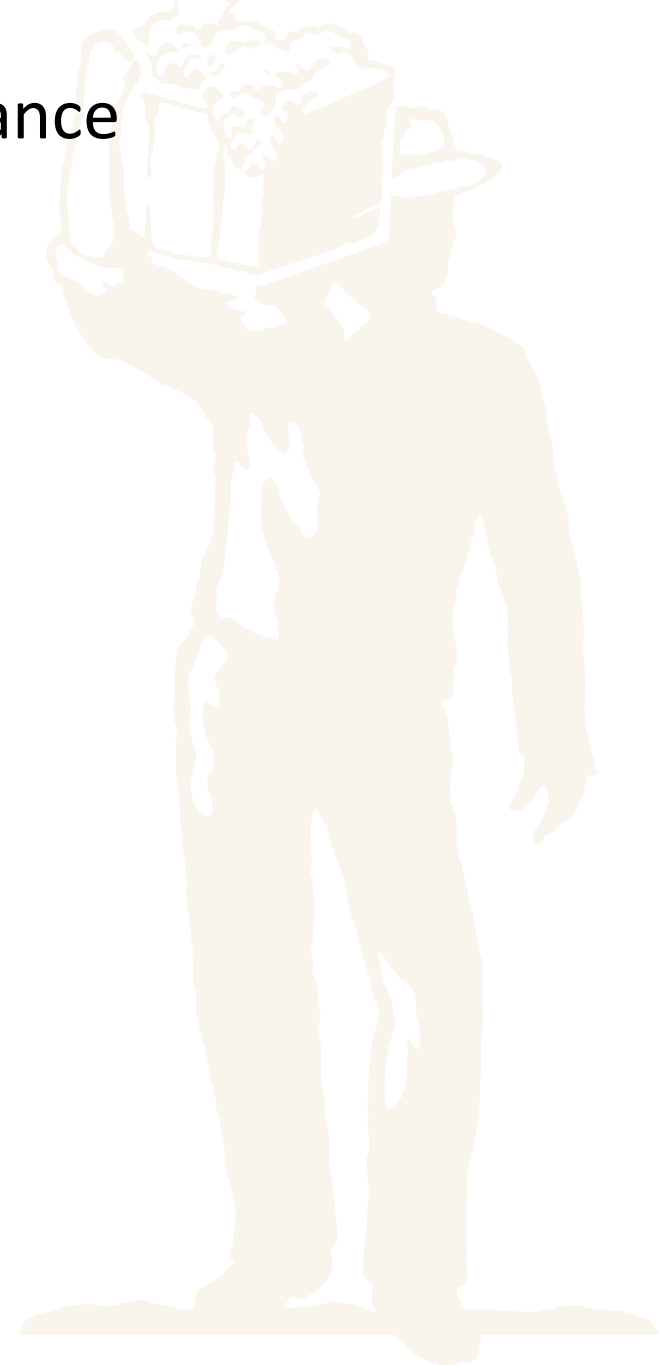
Design, Testing & Maintenance

➤ Design

- ✓ Professional
- ✓ Over-Design
- ✓ Water Source - Volume & Quality
- ✓ Pressure Compensation

➤ Testing & Maintenance

- ✓ Supply
 - ✓ Wells & Pumps
 - ✓ Reservoirs
- ✓ Filters, Valves, Vents, Hose & Emitters



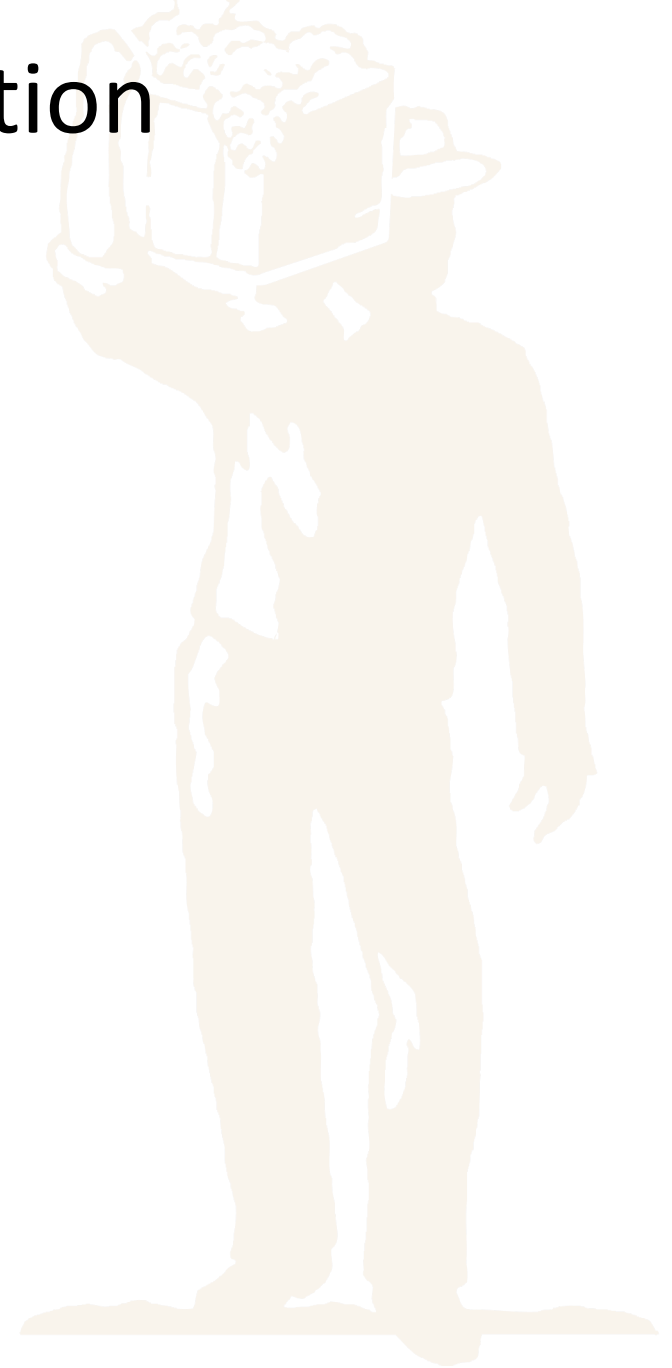
Sensors & Automation

➤ Irrigation System Sensors

- ✓ Flow Meters
- ✓ Water Pressure
- ✓ Soil Moisture
- ✓ Telemetry

➤ System Automation

- ✓ Automating ICE & Electric Motors
- ✓ Fertigation



Precision Irrigation

➤ **Emitters**

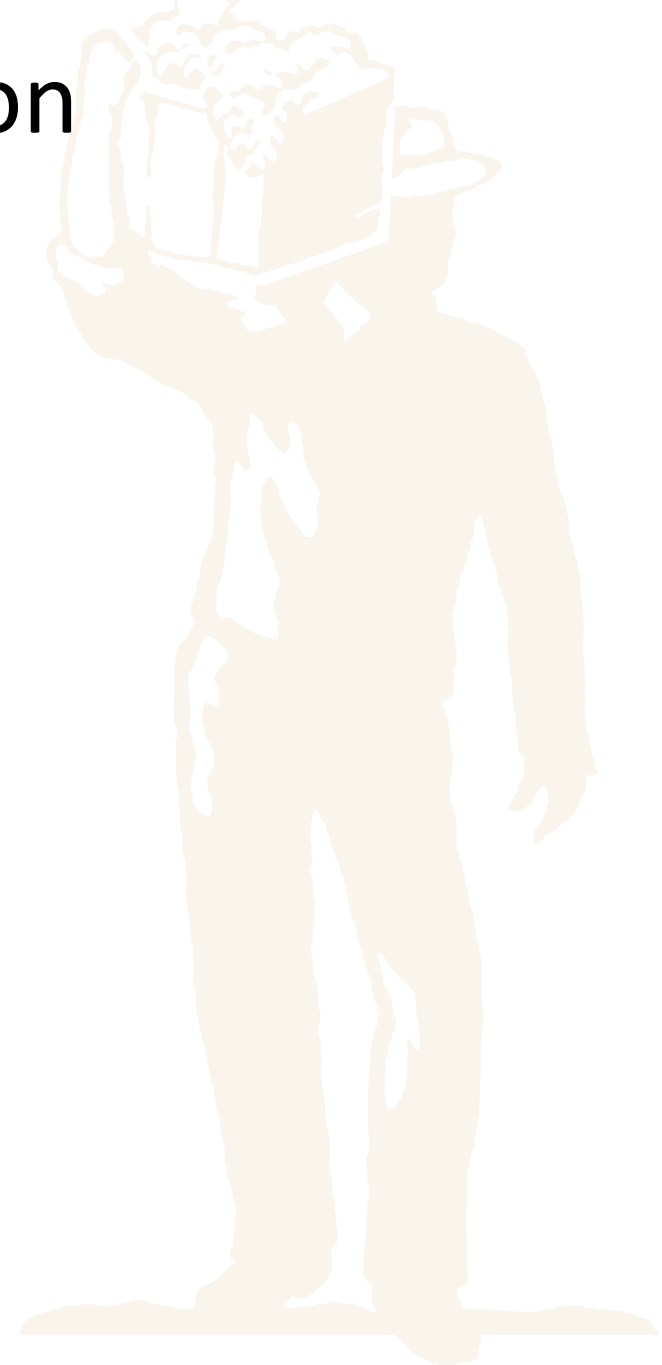
- ✓ Mixed Rates at Installation

➤ **Block/Set Design**

- ✓ Terrain Sets
- ✓ Pixels

➤ **In-Row Variable Rate Systems**

- ✓ Individually Controlled Emitters
- ✓ Gradient Designs





Water Conservation Funding



- Grants to implement irrigation systems that reduce GHGs and save water
- Eligible system components:
 - Soil moisture monitoring
 - Drip systems
 - Switching to low pressure irrigation systems
 - Pump retrofits
 - Variable frequency drives
 - Installation of renewable energy to reduce on-farm water use and energy

➤ <https://www.cdfa.ca.gov/oefi/sweep/>

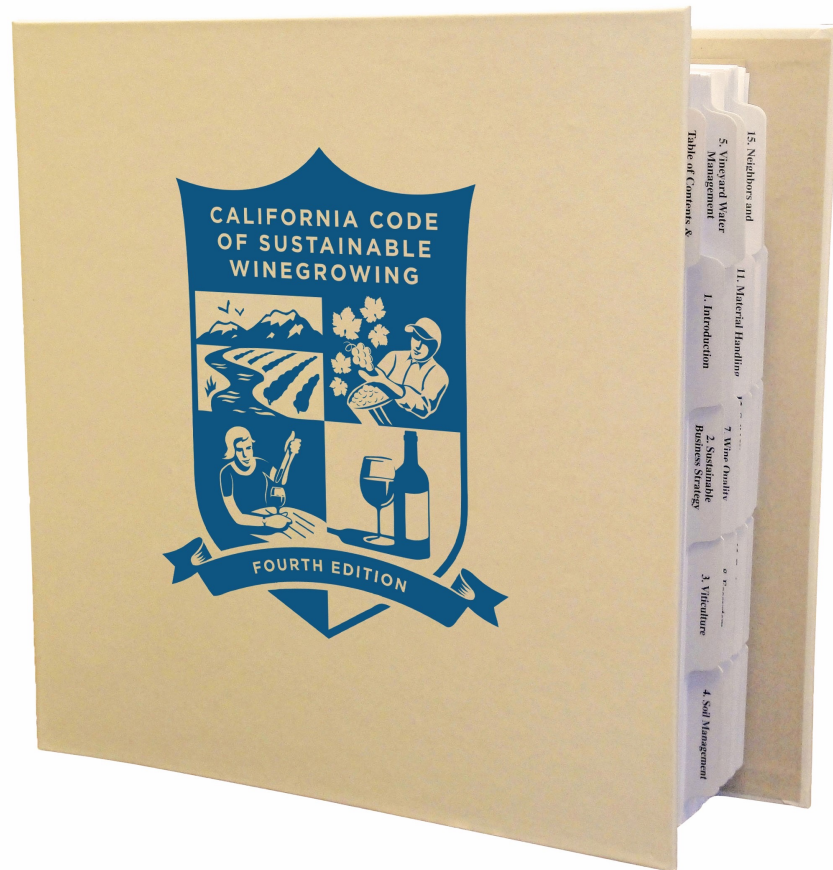
- Incentives Program provides financial assistance for implementation of conservation management that improve soil health, sequester carbon and reduce GHGs
- Practices include, but not limited to:
 - Cover cropping
 - No-till
 - Reduced-till
 - Mulching
 - Compost application
 - Conservation plantings

➤ <https://www.cdfa.ca.gov/oefi/sweep/>

Water Conservation Resources



CALIFORNIA
SUSTAINABLE WINEGROWING
ALLIANCE



- California Code of Sustainable Winegrowing (Vineyard Water Chapter)
 - Vineyard Water Use Efficiency Performance Metric
 - How to Conduct a Distribution Uniformity Test
 - Case Studies, Videos and More
- <https://library.sustainablewinegrowing.org/>
- + OTHER SUSTAINABILITY PROGRAMS

Thank You to Our Sponsors!

Presenting Sponsor



Silver Sponsors



Additional Sponsors

