

VINE CONNECT FIELD DAY

Guide & Lookbook



June 26,
2025

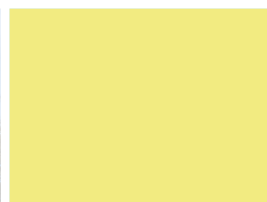


West Side
Agricultural Research
& Extension Center

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F3 FARMS
FOOD
FUTURE
LOCAL



About the Organizers

UC ANR Innovate is the innovation arm of the University of California, Agriculture and Natural Resources, dedicated to advancing agriculture, food, and biotechnology in California. We connect researchers, entrepreneurs, farmers, and policymakers to transform ideas into real-world solutions that strengthen industries, empower communities, and ensure a thriving, inclusive future for agriculture. ucanrinnovate.io

UC Agriculture and Natural Resources (UC ANR) brings UC information and practices to all 58 California counties. Through research and Cooperative Extension in agriculture, natural resources, economic growth, nutrition and youth development, our mission is to improve the lives of all Californians. ucanr.edu

Farmhand Ventures is an agtech venture firm building and backing founders transforming the future of work in agriculture. We invest in pre-seed and seed stage startups, and we partner strategically to support the development of agtech ecosystems that provide sustainable solutions for American farmers and farmworkers. farmhandventures.com

F3 Local, spearheaded by University of California Agriculture and Natural Resources (UC ANR) and a cornerstone of the Farms, Food, Future (F3) initiative, fuels economic growth for farmers and food businesses across California's Central Valley. By embracing technology and fostering enterprise development, F3 Local links local agricultural innovation to global needs, with the goal of transforming the Central Valley into a hub for climate-smart food production. f3local.org

Event agenda

8:30 am

Welcome remarks

8:50 am

Break into groups and board trams

9:00 am

Technology demonstrations

Group A

Bonsai in Pistachios

Edete in Pistachios

Spornado in Grapes

Verdi in Processing Tomatoes

CropVue in Pistachios

HotSpot AG in Pistachios

Group B

CropVue in Pistachios

HotSpot AG in Pistachios

Bonsai in Pistachios

Edete in Pistachios

Spornado in Grapes

Verdi in Processing Tomatoes

10:55 am

Return to main building

11:00 am

Questions and networking with demonstrating companies



- **Core Business:** Bonsai builds vision-based autonomy systems for orchard equipment, enabling robotic spraying, harvesting, and sweeping without GPS.
- **Demo:** Autonomous spraying or sweeping demo using AR500/ V62 platform in an orchard setting.
- **Crop System:** Almonds, pistachios, walnuts, and other orchard crops requiring mechanized harvesting or spraying.

Founded:
2022

Headquarters:
San Jose, California

Unit Cost:
Contact for pricing

Contact:
Morgan Woolf
morgan.woolf@bonsairobotics.ai

www.bonsairobotics.ai



- **Core Business:** CropVue provides integrated pest and crop monitoring tools using smart traps, weather sensors, and a cloud-based dashboard to support better in-field decisions.
- **Demo:** Live setup of multiple devices (e.g., Delta Trap, In-canopy Weather, Crop Monitor), with real-time data review and platform walkthrough.
- **Crop System:** All crops that leverage pest monitoring, including permanent, row, and broadacre crops.

Founded:

2019

Headquarters:

Surrey, British Columbia

Unit Cost / Number Sold

\$180.00 / 6000

Contact:

Amy Jancewicz

ajancewicz@cropvue.com

www.cropvue.com



edete

Precision Technologies
for Agriculture

- **Core Business:** Edete develops mechanical pollination systems to supplement or replace bee pollination in orchards, using stored high-quality pollen and automated delivery systems.
- **Demo:** Walkthrough of the 2Be mechanical pollinator and pollination service model, supported by visuals and marketing materials.
- **Crop System:** Primarily pistachios and almonds; applicable to any tree nuts requiring bloom-period pollination.

Founded:

2016

Headquarters:

Basmat Tab'un, Israel

Unit Cost:

Contact for pricing

Contact:

Cooper Wurdinger

cooperwurdinger@fieldforcesllc.com

www.edetepta.com



- **Core Business:** HotSpot AG provides remote irrigation and fertigation management solutions, offering real-time control and monitoring of pumps, valves, and sensors to optimize water, energy, and labor efficiency.
- **Demo:** Live walk-through of pump and valve automation, retrofit to an existing irrigation system on a pistachio plot, with software interface and soil moisture data.
- **Crop System:** Perennials and specialty crops, especially nuts (pistachios, almonds), citrus, and vineyards; adaptable to all crop types.

Founded:

2018

Headquarters:

Hanford, California

Unit Cost:

Contact for pricing

Contact:

Cassie Braswell

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559-376-0263

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SPORNADO

- **Core Business:** Spornado provides early-warning systems for airborne crop diseases using passive spore samplers and DNA analysis to detect pathogens before symptoms appear.
- **Demo:** Setup of the spore trap system with explanation of early-warning value for managing fungal disease.
- **Crop System:** Leafy greens, grapes, strawberries, tomatoes, cucurbits, and other crops vulnerable to fungal pathogens.

Founded:

2017

Headquarters:

Toronto, Ontario

Number Sold

1000

Contact:

Michael Saleh

msaleh@spornadosampler.com

www.spornadosampler.com



- **Core Business:** Verdi enables affordable and grower-friendly irrigation automation, using patented smart devices to automate existing valves and pumps, and collect sensor data.
- **Demo:** Smart irrigation automation using Verdi devices controlling valves and sensor networks in tomato/drip-irrigated vegetable crops.
- **Crop System:** Vegetables, berries, fruit and nut trees, vineyards; any crop irrigated via drip or sprinkler systems.

Founded:

2020

Headquarters:

British Columbia, Canada

Unit Cost / Number Sold

\$450 / 3,635

Contact:

Arthur Chen

arthur.chen@verdiag.com

www.verdi.ag

Map of Demo Zone





THE VINE



**Farmhand
Ventures**



**UC ANR
innovate**

UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources

thevine.io



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