UC ANR Innovate
University of California
Agriculture & Natural Resources

AGTONOMY
SAGA ROBOTICS
CROPMIND
PHYTECH
LUMO
AG-BEE
VERDI
SCOUT

UC ANR CONNECT

Field Day Guide

UC ANR Connect Field Day Guide and Company Look Book

DATE	LOCATION	FOCUS	COHORT
June 30, 2026	Hopland REC	Vineyards	No. 07

ABOUT UC ANR CONNECT

Bringing real solutions to California farmers

UC ANR Connect links startups, researchers, farmers, and industry to move agricultural technology from concept to field-ready solution. Through structured commercialization support, we help promising technologies progress from research to market-ready products that solve real problems for California farmers. Run in partnership with Farmhand Ventures.

SUPPORTED BY

CALIFORNIA AGTECH ALLIANCE

7	40	600+	0
COHORTS	COMPANIES	FIELD DAY ATTENDEES	EQUITY FEES

HOW IT WORKS

1. **Screen**
   We vet companies with our Industry Advisory Board to ensure their solutions address real problems for California farmers.
2. **Prepare**
   Selected companies receive structured support to prepare their technology, messaging, and field approach for on-farm engagement.
3. **Validate**
   We connect companies with California farmers through field days, feedback sessions, and direct relationship building.
4. **Scale**
   Companies leave with the insights, networks, and pathways critical for growth in California agriculture.

LEARN MORE

ucanr.edu/site/innovate/connect

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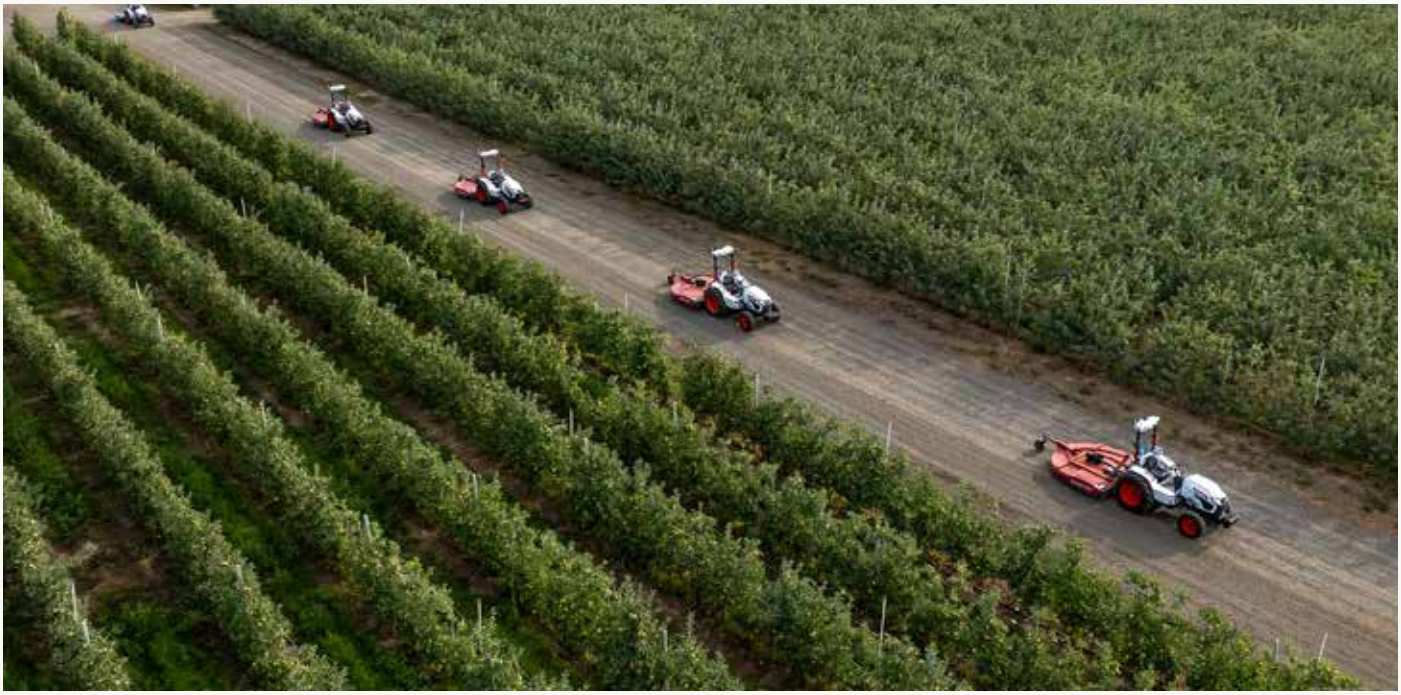
Farmhand Ventures

Event Agenda

Time	Session	Location
8:00 a.m	**Doors Open.** Pick up your name badge and field day guide.	Rod Shippey Hall
8:30 a.m	**Welcome Remarks** Hannah Johnson, Industry Lead; John Bailey, REC Director	Rod Shippey Hall
8:45 a.m	**Demo block** Eight companies, about 25 minutes per station, guided rotation	Outdoor research areas
11:30 a.m	**Networking** Lunch provided, time to meet the teams and other attendees	Rod Shippey Hall / patio



Agtonomy

Automation software built into existing machines at the factory so growers can handle tough, repetitive work with less labor and more consistency.

WHAT IT DOES

Agtonomy helps growers and professionals turn the tractors and equipment they already trust into automated workhorses. Our Physical AI software is embedded at the factory by leading equipment manufacturers, creating Agtonomy-enabled machines that can take on repetitive, labor-intensive jobs with precision in vineyards, orchards, and open spaces. Using a simple app, your team can send equipment to work, monitor progress, and adjust as needed while staying in full control of every task.

DEMO

A tent and app walkthrough showing how a job is created and dispatched, then a live demonstration of the equipment running autonomously in the field, followed by Q&A.

AT A GLANCE

FORM FACTOR	OEM-integrated equipment
CROP SYSTEM	Vineyards, orchards & tree nuts
HQ	San Francisco, CA
FOUNDED	2021

CONTACT

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Saga Robotics

Autonomous robots that control powdery mildew with UV-C light at night, without chemicals.

WHAT IT DOES

Saga Robotics' Thorvald is an autonomous robot that treats grapevines with UV-C light to control powdery mildew, working at night without chemicals and without disrupting daytime operations. The robot drives the vineyard rows on its own and treats grapevines with UV-C light to control powdery mildew, with no chemicals involved. It operates at night, so it does not interfere with daytime vineyard work, and its onboard cameras monitor the crop for disease, fruit development, and vigor as it runs. The robot fleet can be managed and monitored through an online app.

DEMO

A Thorvald robot runs autonomously through the rows during the session while the team explains how UV-C treatment works, the operating model, and who they work with, followed by Q&A.

AT A GLANCE

FORM FACTOR	Autonomous field robot
CROP SYSTEM	Wine grapes, strawberries
HQ	Oslo, Norway
FOUNDED	2016

CONTACT

Email	caine.thompson@sagarobotics.com
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CropMind

Turns ordinary phone or camera footage of your rows into yield, crop-load, to help in planning decisions and insights within minutes.

WHAT IT DOES

CropMind is an AI platform that turns field imagery into vineyard and orchard insights. Growers capture footage with a phone, camera, drone, or satellite, and CropMind's computer vision converts it into block-level readings of yield, crop load, and disease risk, delivered through a decision-ready dashboard that supports yield forecasting, disease warnings, and irrigation and operational decisions.

DEMO

A live walk-through capture in the vineyard: recording a single row on a GoPro attached to ATV once block has been geospatially mapped, processing the footage through CropMind platform, reviewing moisture & vegetation, yield estimates and crop-load recommendations, followed by Q&A.

AT A GLANCE

FORM FACTOR	Vehicle-mounted camera system
CROP SYSTEM	Wine grapes, apples
HQ	Calgary and Fredericton, Canada
FOUNDED	2023

CONTACT

Email	emmet@cropmind.ca
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Web	cropmind.ca

Phytech

In-field sensors on soil, vines, and irrigation lines that turn real-time data into better water decisions.

WHAT IT DOES

Phytech is a sensing and decision-support platform that helps growers manage irrigation and crop performance from real-time field data. Sensors placed on irrigation lines, in the soil, and on the vines track water movement and crop stress, and the platform's analytics turn those signals into clear irrigation and operating decisions, with the option to monitor and automate irrigation directly.

DEMO

A short presentation on the platform and its on-the-ground impact, with a booth and materials for attendee questions.

AT A GLANCE

FORM FACTOR	In-field sensors
CROP SYSTEM	Wine grapes, tree and row crops
HQ	Israel
FOUNDED	

CONTACT

Email	ziv.a@phytech.com
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Lumo

Precision irrigation that closes the gap between the water you intend to apply and what actually reaches the field.

WHAT IT DOES

Lumo is a precision irrigation system that gives growers block-level control and verification of their water. Its smart valves measure and control how much water actually reaches each block, so the volume applied matches the irrigation plan, and the platform surfaces issues such as leaks or clogs immediately through real-time alerts.

DEMO

A live demonstration of the system and Ops Center software: scheduling an irrigation, watching the data in real time, and simulating a leak or clog that then appears in the data moments later.

AT A GLANCE

FORM FACTOR	**Smart valve**
CROP SYSTEM	**Wine grapes, specialty crops**
HQ	**Santa Rosa, CA**
FOUNDED	**2021**

CONTACT

Email	**dylan@lumo.ag**
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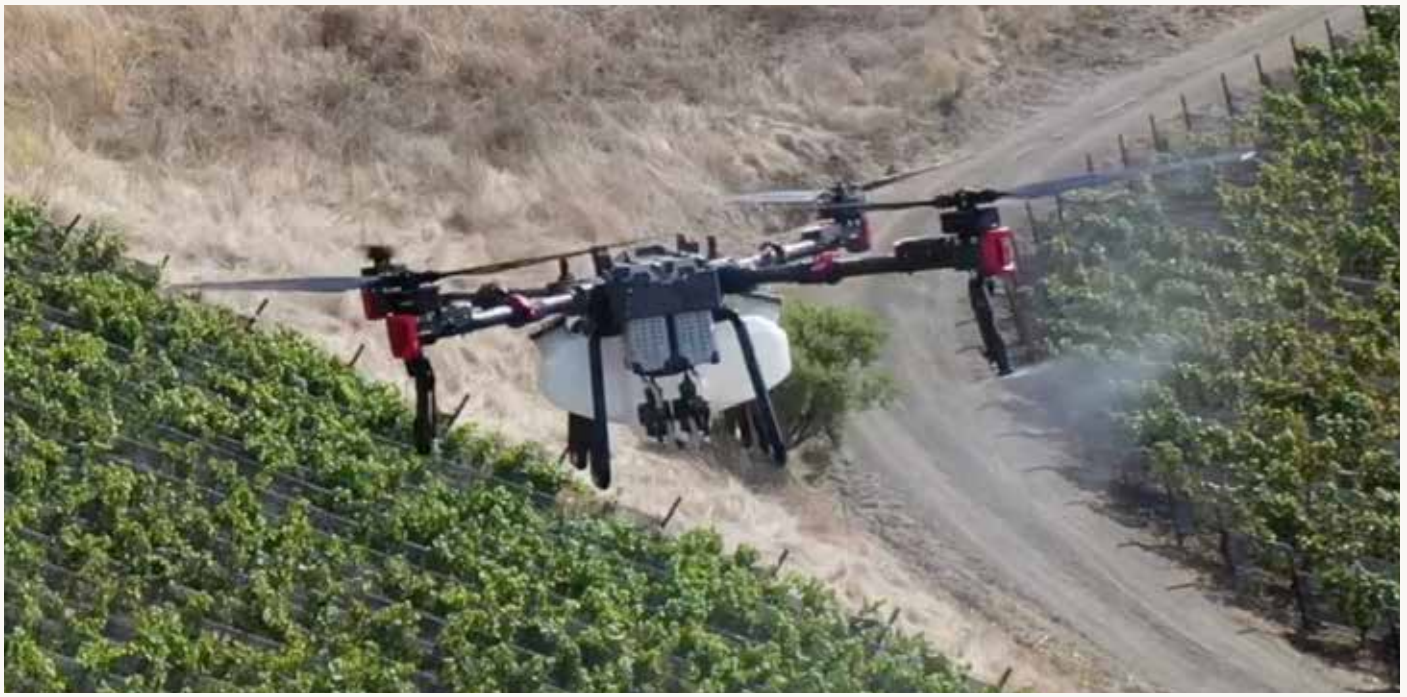

Ag-Bee

Spray drones for precise, low-volume application in vineyards and on rangeland where ground equipment struggles.

WHAT IT DOES

Ag-Bee is a California spray-drone company that provides precision aerial spraying by drone for vineyards and rangeland. Its spray drones apply crop protection and treatments at low volume in places ground equipment struggles to reach, including steep terrain, dense canopy, and sensitive soils, improving coverage and timing while reducing drift and the need for hand crews.

DEMO

A live spray-drone application in a vineyard or rangeland block: operational setup, flight planning, and live application, with discussion of coverage and efficacy, followed by Q&A.

AT A GLANCE

FORM FACTOR	Spray drone
CROP SYSTEM	Wine grapes, rangeland
HQ	Temecula, CA
FOUNDED	2019

CONTACT

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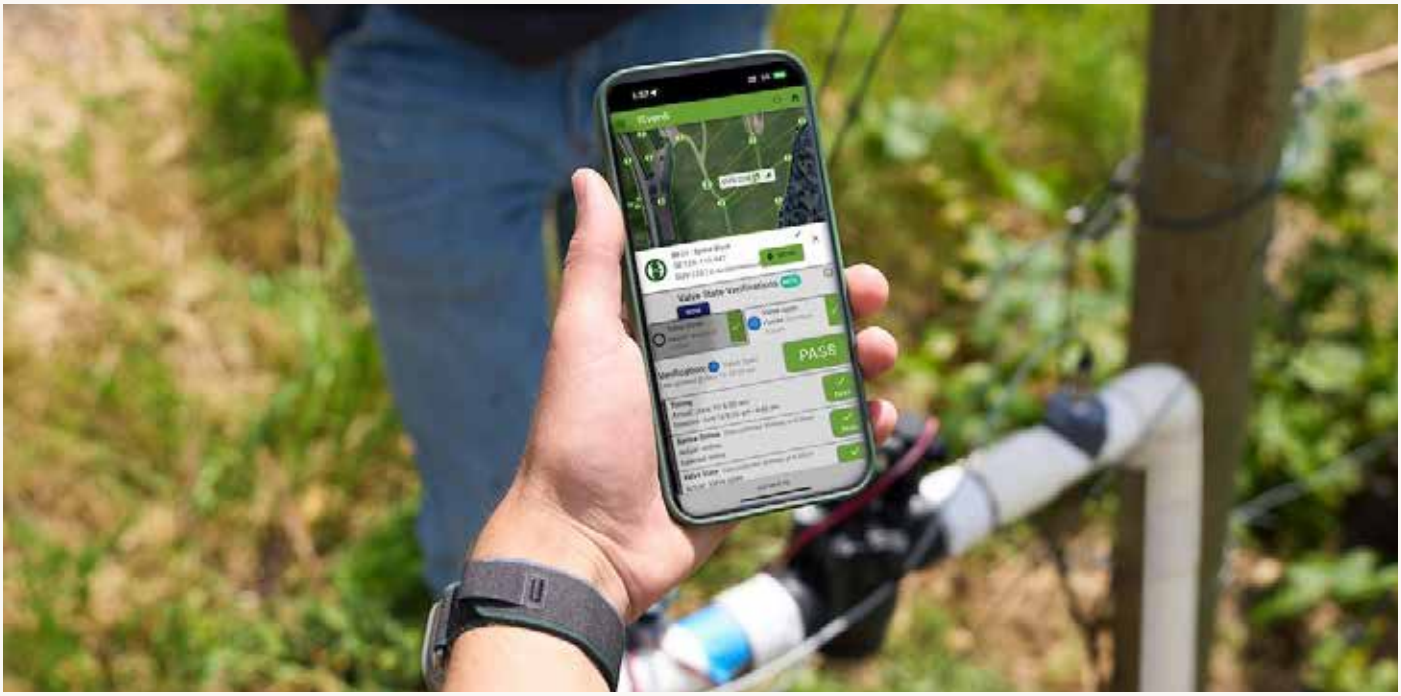

Verdi

Easy and affordable irrigation automation that retrofits to your existing drip system in under a day, putting valves, pumps, and drip on a single phone.

WHAT IT DOES

Verdi is provides easy and affordable irrigation automation that retrofits onto a grower's existing drip system. Wireless controllers let growers run valves, pumps, and drip lines from a single phone or computer, with sensor-driven automation, real-time alerts, and verification reporting that confirms how much water actually reached the field.

DEMO

A live demonstration of irrigation control and verification on a working drip system

AT A GLANCE

FORM FACTOR	**Retrofit controllers**
CROP SYSTEM	**Wine grapes, specialty crops**
HQ	**Vancouver, BC, Canada**
FOUNDED	**2020**

CONTACT

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Web	**verdi.ag**

Scout

AI that turns vineyard imagery into clearer decisions on yield, vine health, and variability.

WHAT IT DOES

Scout is an AI platform that turns vineyard imagery into vine-level insight. Using cameras mounted on equipment such as an ATV, it captures the rows and applies computer vision to read vine health, yield, and block-to-block variability, giving growers a clearer, data-based picture of the vineyard to guide day-to-day decisions.

DEMO

A demonstration of how Scout's supported hardware installs on a customer-provided ATV, with the resulting vineyard data and insights.

AT A GLANCE

FORM FACTOR	Vineyard Intelligence Platform
CROP SYSTEM	Wine grapes
HQ	Davis & St. Helena, CA
FOUNDED	2022

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