

Semios provides growers of tree fruit and tree nut crops with a powerful, in-orchard surveillance and decision-aid system. Through real-time detection and improved timing of treatments, we help reduce the risk of common crop challenges.

## Our solution includes:



Networked, remote-controlled system of camera traps and pheromone dispensers for variable rate mating disruption that reduces populations and damage associated with pests like Navel orangeworm, Codling moth, Leaf roller and California Red Scale.



Soil moisture monitors to deliver precise soil conditions for irrigation management.



In-orchard weather and leaf wetness sensors tracking in-canopy conditions to predict and alert for specific disease risk conditions and help improve spray application timing.



Easy to use dashboard accessible via smartphone, tablet or desktop.

## What do we do?

We install and maintain a cost-effective, reliable wireless network in your orchard that connects our weather stations, camera traps, pheromone dispensers, soil moisture probes and other important sensors. We provide you with a 24/7 window on in-field conditions that can affect crop output.

## How can we help you?

Our network of sensors throughout your crop feeds our cloud-based analytics system that predicts important events like insect pest flight timing or disease outbreaks. The future of agriculture includes applying big data analytics and machine learning to reduce and mitigate crop risks for growers. Semios is a leader in applying this technology to help growers reduce crop management inputs while increasing the value of harvests through reduced loss and increased quality.



**Join your friends and neighbors.  
Contact Semios for more information today!**