



Irrigation: solved

Every year \$100 billion worth of fruits and nuts is lost due to suboptimal irrigation.

We're putting an end to that.



Our water-stress sensors help vineyards



Improve wine quality





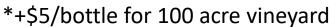
Average



FloraPulse

+\$1,000,000*



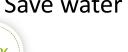




Our water-stress sensors help orchards



Save water





Increase yield

+15%







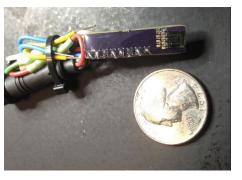
FloraPulse

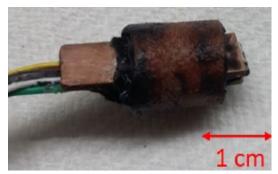
+\$140,000*



16 years in development at Cornell + FloraPulse













ABRAHAM STROOCK



ALAN LAKSO



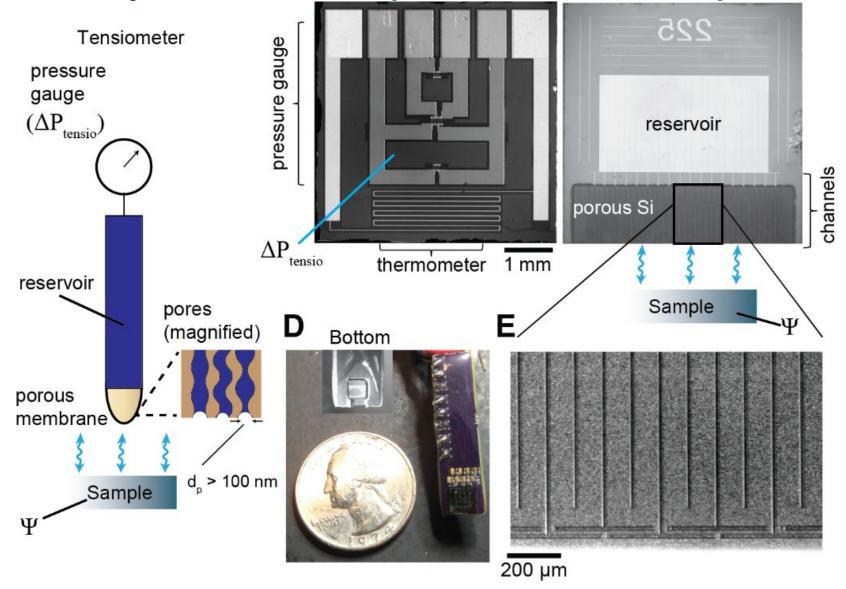
MICHAEL SANTIAGO

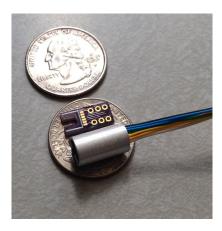
Professor & Director of Digital Ag

Plant Science Professor

Mechanical Engineering PhD

Microchip tensiometer (microtensiometer)





Encapsulated Form factor

FloraPulse product



Microchip implant goes inside plant trunk



Most accurate water-stress data



Grower installed

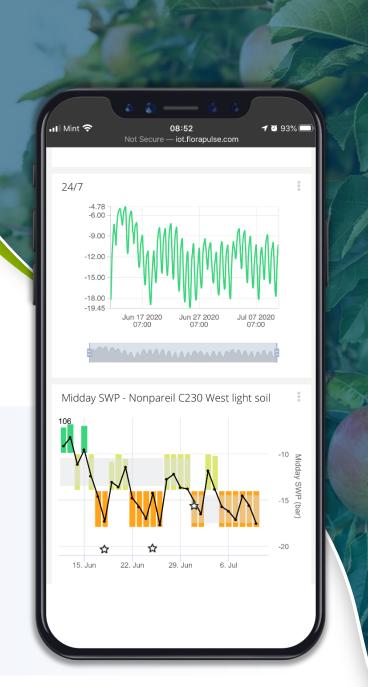


Patented tech from Cornell University



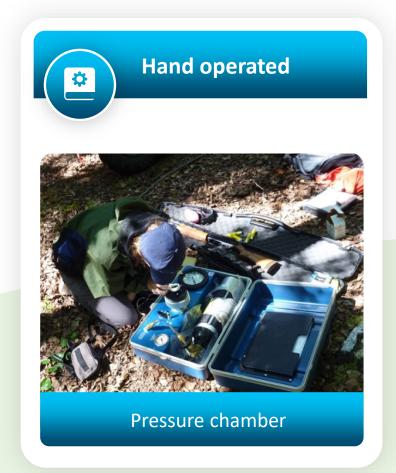






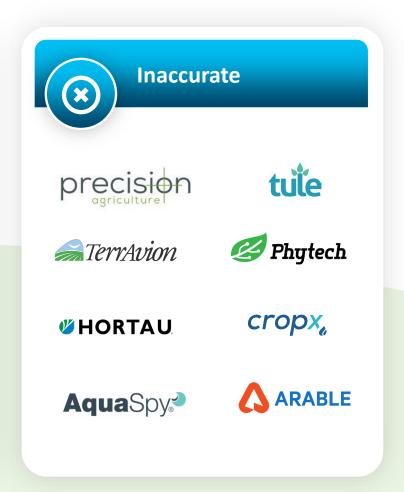


The only automated + accurate measure of water-stress















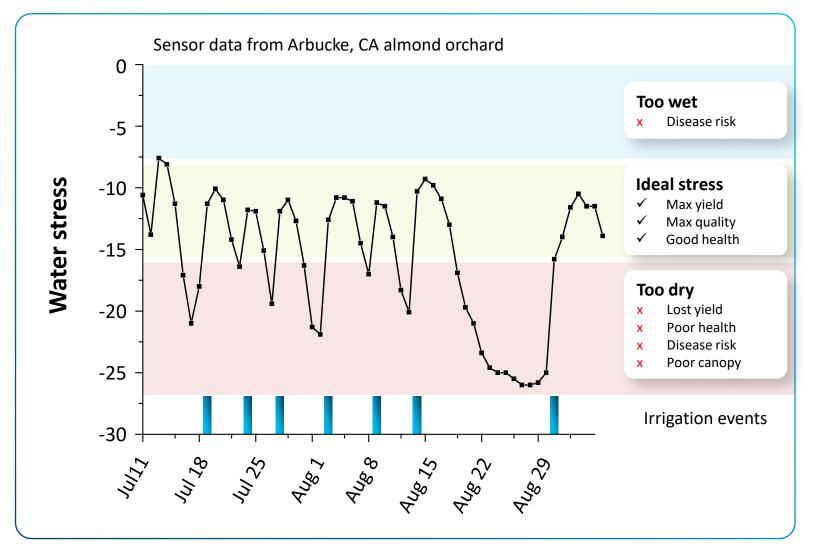
FloraPulse technology is the most accurate way to measure tree water status



KEN SHACKEL, UC Davis professor and irrigation expert



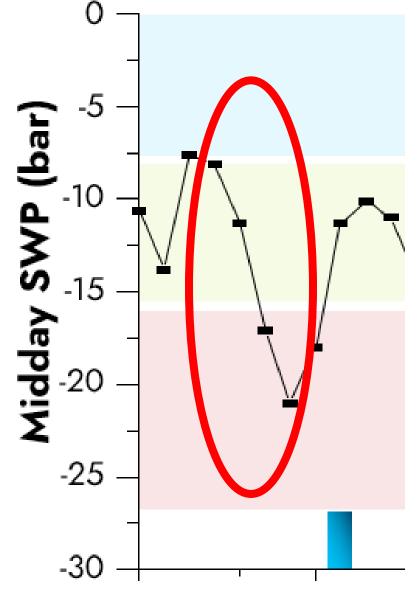
Value: keep ideal water status – avoid yield loss







Initial finding: trees can 'crash' from wet to dry

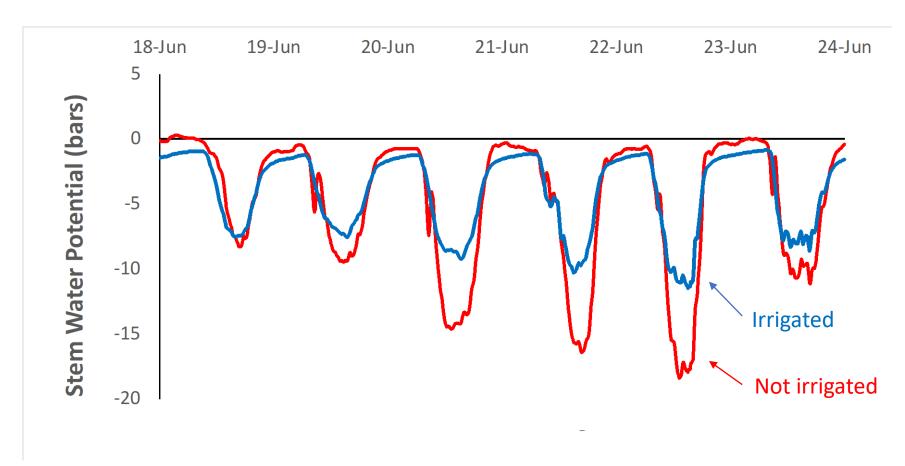


Almond went from fully wet to very stressed in 3 days!

Missed with weekly pressure chamber.

-7.5 bar to -22 bar

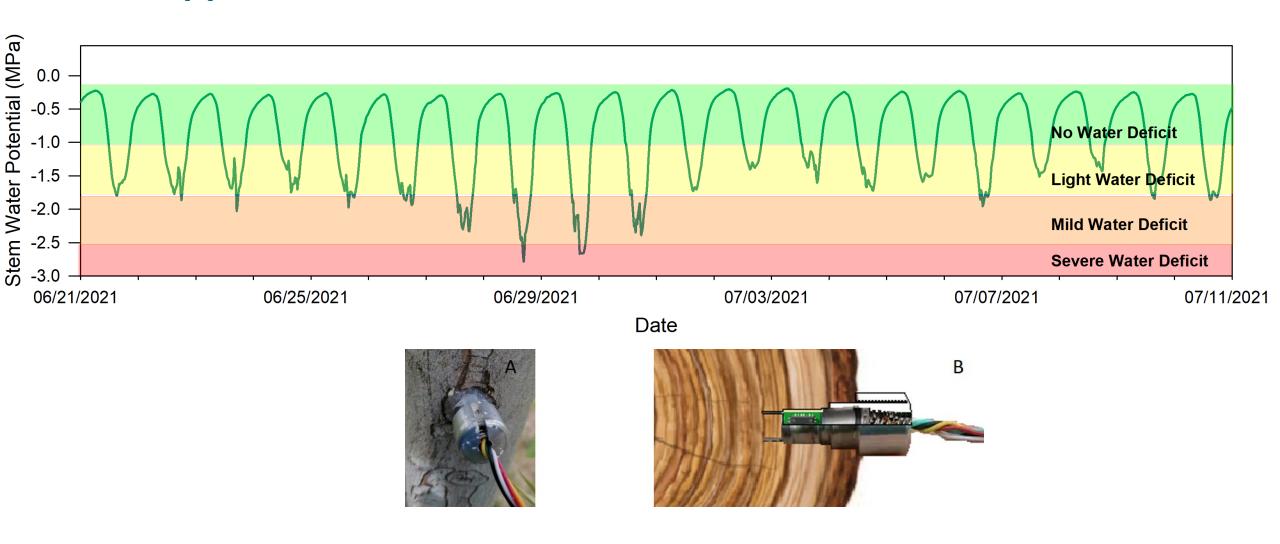
Trials in NY, apples





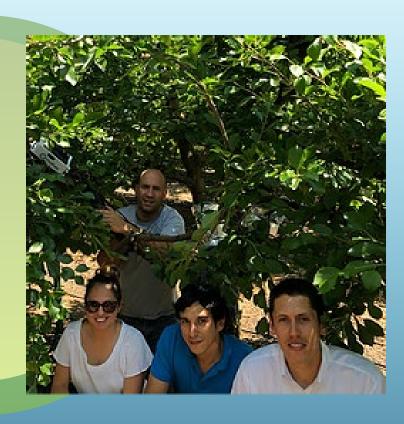
Courtesy: Professor Terrence Robinson, Cornell University

More apple results



Courtesy: Professor Lee Kalcsits, Washington State University





- Saved 45% water.
- Decreased pumping and drying costs.
- Increased yields by 15%.

Andres Olivos, Prune grower
OLIVOS riego
Rengo, Chile



Interested? Let's talk!

www.florapulse.com info@florapulse.com (530) 220 – 7668





