



**Dynamax**

# **Grower Services Crop Water Use**



Photo Credit: The Almond Board

**Water only when needed!**  
*Dynamax sap flow sensors can help*



## Grower Services

Dynamax sap flow sensors measure how much water plants are using directly. If you know how much water your crop is using, you know how much water has to be put back with irrigation.

Using wireless SapIP systems and sap flow sensors, you can see how much water your crop is using in gallons per hour, per day, or per week. This will allow you to maximize your irrigation efficiency, conserve water, manage plant stress, and irrigate only when needed. Many growers have saved 25% to 40% of their irrigation water use. With savings in time and money, SapIP systems will pay for themselves quickly.

*Cameron Vawter, Dana Estates says - he has saved more than 2.5 million gallons of water annually since adapting sap flow technology in 2006.*

This will help you save:  
Money, Water, Time,  
Electricity, Fertilizer, and  
more.

### SapIP systems work on;

- **Almond**
- **Avocado**
- **Cherry**
- **Citrus**
- **Grape**
- **Peach**
- **Pistachio**
- **Plum**
- **And many other crops**

### With one annual fee, you get;

- **Equipment rental**
- **Installation and maintenance**
- **Data presentation on a secure website**
- **Consultation and data interpretation**
- **Data protection and security**
- **Wireless service**



***Saving Water = Saving Time & Money***



## Grower Dashboard – AgriSensors.NET



### Features

- Compare sap flow, soil moisture and ET<sub>o</sub> in one chart
- Sap Flow data summarized in gallons
- Interactive charts to analyze the entire seasons data
- Password protected
- Location image to identify sensor locations

## SapIP System Options

### Sap Flow Sensors

SapIP with Sap Flow sensors for measuring plant water use

### Add Soil Moisture Monitoring -

4 or 6 soil moisture sensors, which can be buried at different depths

### Add a Weather Station –

for calculation of ET evaporative demand

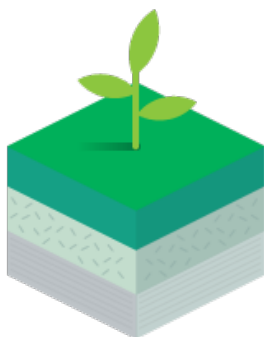
### Add IR Temperature –

for calculating crop stress

*“We are in an era of increasing demand on our precious water supplies, and sap flow sensors help me irrigate conservatively with confidence. - David Gates, Ridge Vineyards”*



Sap Flow Sensors



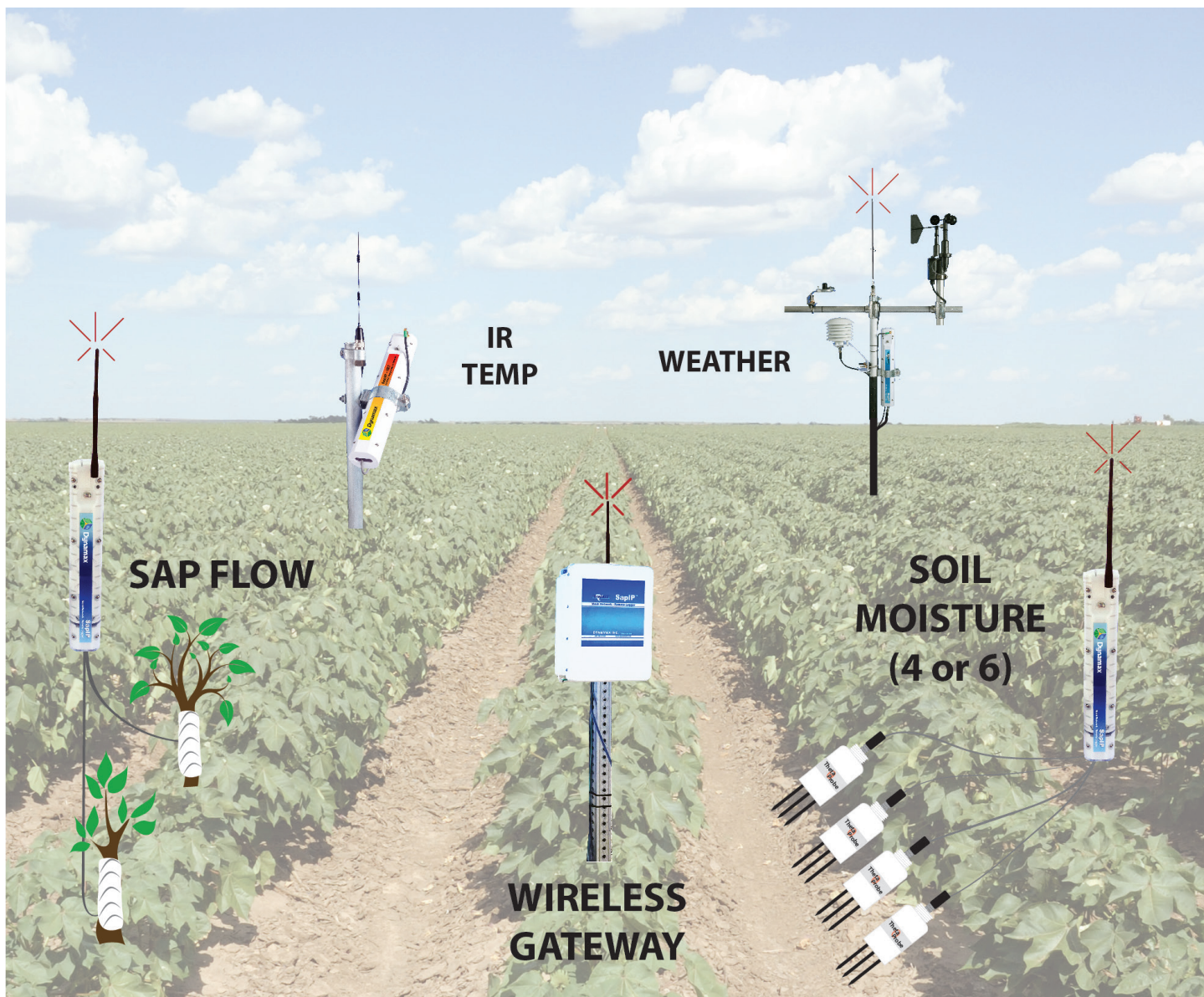
Soil Moisture Sensors



Weather Stations



Infrared Temp. Sensors



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