SapIP-TDP Wireless TDP Sap Velocity System

Features

- **Each SapIP-TDP node is self-contained**

- **Weatherproof Enclosures, 2.5" X 2.5" X 14" long**

- **Each SapIP node handles up to (6) TDP30 or TDP50 probes**

- **Up to (40) IRT Nodes on a Single Gateway Modem**

- **Monitor 2 or 3 trees per node**

- **Secure Data Collection, Password Protected**

SapIP Wireless Systems – TDP Sap Velocity

The new SapIP-TDP wireless TDP sap velocity system is the latest development in monitoring sap flow and sap velocity in trees. Up to (6) TDP sap velocity probes can be connected to a single SapIP node, which is enough to monitor 2 to 3 trees. This new system allows for small SapIP-TDP nodes to be distributed up to 500 meters (1600 ft) apart throughout a field, and data to be collected with a single wireless modem. Data is then displayed and graphed on a website such as Agrisensors.NET where data files can also be downloaded to your PC. The TDP data is converted to sap velocity, and if the conductive area of the trunk is known, total water use of the tree can be calculated.

The SapIP-TDP node with sap velocity sensors can be used as a complete stand-alone system, or as part of a SapIP wireless mesh network, whereby plant sap flow, sap velocity, soil moisture, weather, and leaf temperature, can be monitored simultaneously all in one system. Up to (10) SapIP nodes can be connected wirelessly with a single GSM modem, and the nodes can be "daisy-chained" up to five levels deep, thus allowing for distances over a mile to be monitored.

The SapIP systems are versatile and flexible, and can be configured to meet your particular requirements.

Grower Dashboard – Map View

SapIP data is displayed on the AgriSensors.NET web page "dashboard" in easy to see formats, with graphs and charts as well. There is also a Google Maps™ image which shows the location of the SapIP nodes in the field. Data files can be downloaded to your PC, and then imported into spread sheets or other data analysis software.
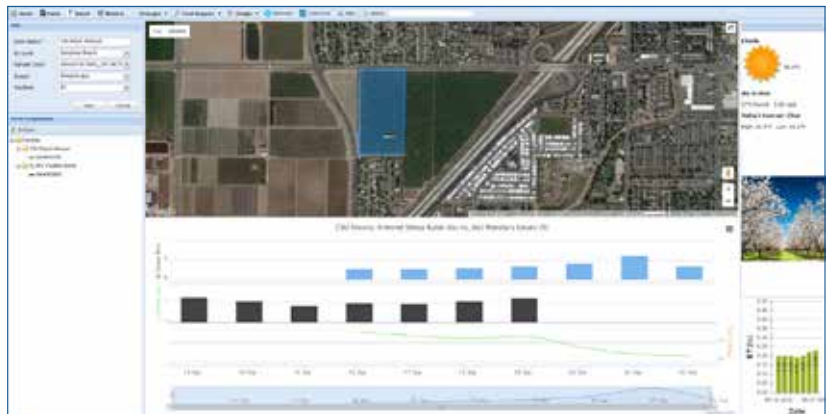
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