

About IAS

Irrigation Automation Systems (IAS) is an established leader in the North American Berry, Grape, Citrus and other industries, providing advanced automation and wireless remote monitoring solutions for agriculture businesses since 2004. With over 500 active installation and significant ongoing investment in core research and development, IAS is committed to delivering advanced state of the art telemetry solutions to growers everywhere.

We manufacture equipment and software that help growers monitor, manage and automate their growing processes, optimize the performance of engine and motor driven pumps and remotely monitor and securely control practically anything from a mobile device or over the Internet.

Our maxim is "grow smarter, grow better". Our mission is to help our customers be more effective and efficient by ensuring they have the right data to drive business decisions such as knowing how much water to use during irrigation, controlling how crops are automatically protected during frost and high heat events, and predicting when fungus or disease is about to occur - while there is still time to prevent it. Solving these and other problems faced by growers in a changing environment is what IAS is all about.

IAS is made up of a small core of experienced professionals dedicated to providing technology that saves growers money, improves their efficiency and protects our natural resources.

**Brookdale Fruit
Farm Inc
Farm Supplies**



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GROW SMARTER, GROW BETTER



THE WORLD OF IRRIGATION AUTOMATION

Flexible, Reliable, Easy To Use

NEW PRODUCT INTRODUCTIONS



**ISM100
Hand Held Sensor Meter**



XR3000 II AutoWash



XR3000 II ReelWatch



The IAS Difference

Control your irrigation system remotely via **HarvestWatch™** and the **XR3000 II Configurable Logic Controller**.

IAS products are:

- Made in the U.S.
- Supported by superior customer service.
- Competitively priced.
- Easy to install, use and program. Our **Configurable Logic Controller** allows you to easily make changes on the fly. Set schedules, on/off thresholds, etc. via your phone, tablet or laptop computer.
- Able to provide Near Real Time (NRT) data feedback.
- Equipped with 4G technology.
- Backed by superior product development, innovation and manufacturing. Our quality is second to none.
- Accessed by HarvestWatch™, the industry leading, low cost cloud based data management system.

With the XR3000, you can significantly reduce operating costs, improve crop yields, reduce water and fuel usage and shrink your carbon footprint.

AUTOMATION BY DESIGN: XR3000 II



Developed by industry leader IAS, HarvestWatch™ uses Cloud infrastructure to store data, enabling better

- planning and management,
- reduced operating costs,
- reduced fuel and water use,
- improved crop yields.

Schedule

* Time Control

Sensor

* Threshold Control

Remote - Control and Status

* Operate from anywhere in the world



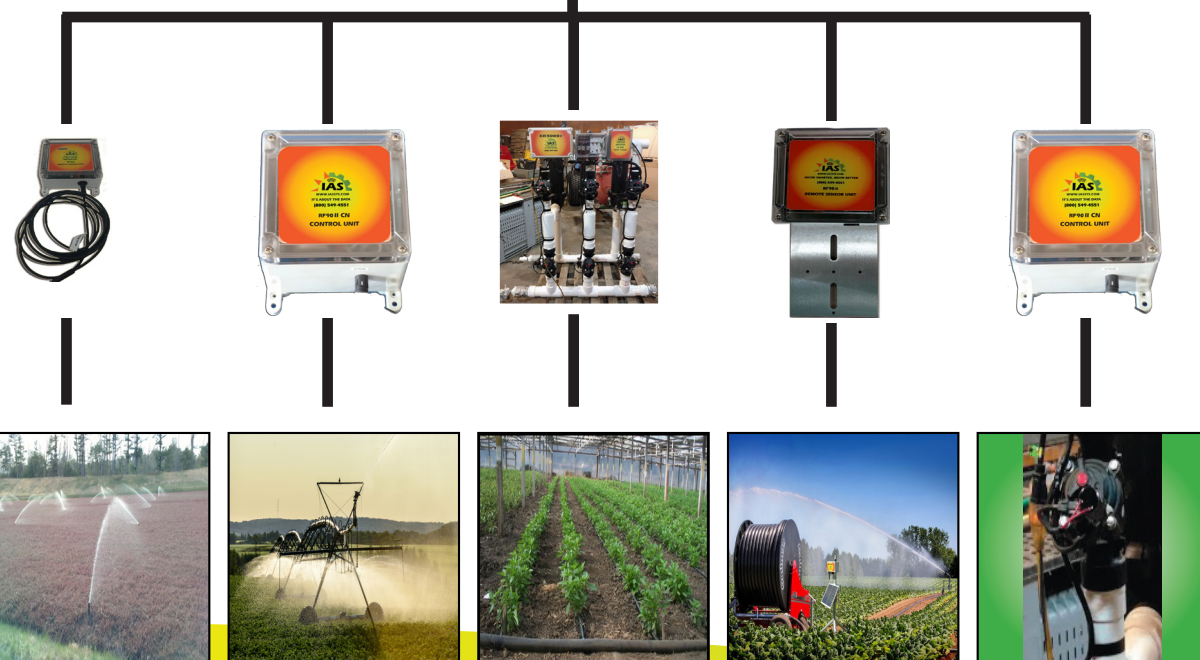
Sense

- Temperature
- Humidity
- Soil Moisture
- Soil Tension
- Wind/Rain
- 4ma to 20ma
- Pressure



Control

- Fans
- Valves
- Small motors
- Fertigation
- Etc.



CRANBERRY

PIVOT

DRIP

REEL

REMOTE VALVE

INTELLIGENT IRRIGATION MANAGEMENT

During the critical months of the summer, growers are confronted with the Goldilocks dilemma, “am I watering too much, too little or just right?” IAS now offers a tiered system to address this question.

IAS Intelligent Soil Moisture Sensor

The key element in gathering soil moisture data: **IAS Intelligent Soil Moisture** sensor:

- No maintenance
- Includes temperature and humidity
- Reliable and repeatable measurements
- Now with temperature sensing

Tier 1 - IAS Hand Held Moisture Meter

Introducing IAS's hand held sensor meter.



The system features:

- Easy to use, no maintenance sensors
- Get accurate and repeatable soil moisture measurements
- For use in all types of soil - loam, potting, sand, etc
- Bury units for soil cross section and root zone analysis
- Prevent overwatering or underwatering
- Ideal way to educate resellers on proper watering procedures

Tier 2-Alert V Frost Alert, Soil Moisture Alert



- The IAS Frost/Soil Alert provides a low cost sensor alert system.
- Ideal for growers who need specific location or minimal feedback for just temperature (frost) or soil moisture data.
- Connect directly to Harvest Watch™: collect and store data 24/7.
- Plug and Play - set in field, plug in the cable - you're on-line!

Tier 3 - Alert IV



The Alert IV provides:

- 24/7 sensor data
- Network up to 8 radios
- Monitor Temperature, Soil Moisture, RH, etc
- Alerts sent to phone, tablet or computer

REMOTE RESOURCE MANAGEMENT

XR1500



Inexpensive cellular control of:

- Lift pumps
- Valve actuation
- Emergency pump shut off
- De-watering fields
- Tank level
- 1 sensor input, 2 control outputs
- Remote, scheduled or sensor driven device control

XR3000II



Full scale automation with the XR3000 II

- sensors and the system manage your irrigation either by schedule or by threshold levels determined by the need of the individual crop and soil conditions
- Connect directly via Harvest Watch™

RADIOS RF90 II



The RF90 II, used in conjunction with the XR3000 II CLC and the Alert IV, is the industry standard communication and control device. These radios provide both remote wireless sensing and control with superior performance and power management.



Power

- Internal Battery
- External Battery
- External ACC power supply



Wireless Control

- Valves
- Fans
- Motors

Compatible Sensors

- Temp
- RH
- Tensiometer
- Soil Moisture
- Pressure
- Any 4ma-20ma Sensor
- Any Modbus Sensor
- CO2, Light, Level
- Wind/Rain/Radar Etc.