

# JAIN MONITORING AND CONTROL

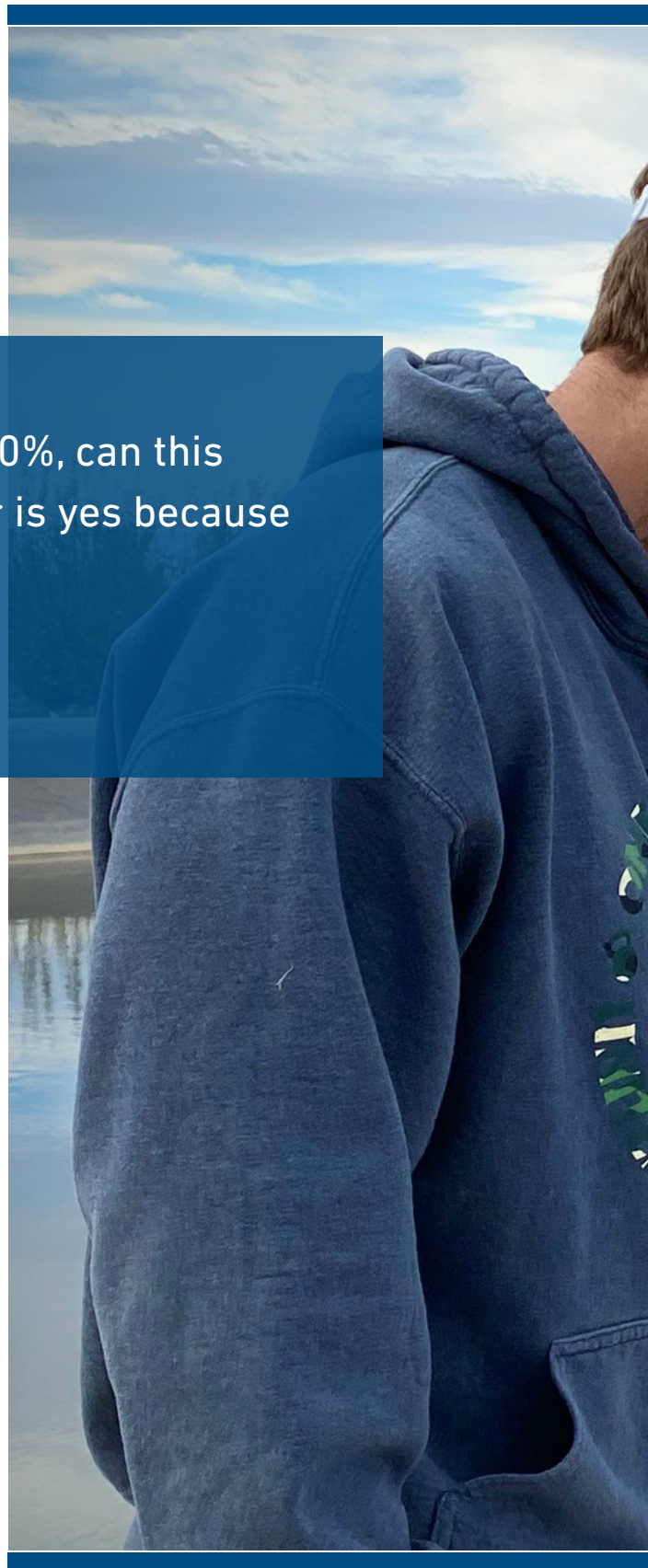


World Leader in Irrigation Technology

“If our water resources get cut to 20%, can this ranch be sustainable? The answer is yes because of JAIN Monitoring and Control.”

**Trent Dietrich, Fresno CA**

Ranch Manager at Bill Dietrich Farms







# JAIN Logic

JAIN Logic is the field monitoring technology growers trust. JAIN Logic delivers real-time data from sensors in the field to any internet connected mobile device, tablet or computer in an easy-to-use and intuitive interface. From soil moisture monitoring to evapotranspiration forecasting and irrigation scheduling, JAIN Logic is the only water management software farmers need to achieve more crop per drop.

## Precise Guidance

We provide the recommended number of hours for all your irrigation zones. This recommendation uses the closest, most accurate weather forecast available. It also uses data specific to your land, crop, and irrigation system. Growers receive precise, targeted guidance every week, for every zone. With weekly information coming from the satellite data; users can see the water consumed specifically by crop along with the response in vigor from management practices. You decide how to distribute those irrigation hours.





## JAIN Logic Features

### SOIL MOISTURE MONITORING

Take the guesswork out of irrigation. Soil moisture monitoring is a core component of JAIN Logic. Soil moisture monitoring provides valuable information about what is happening below the surface of the soil. It provides confidence that your irrigations and fertigations are meeting your crops needs by keeping important inputs like water and nutrients in the root zone.

### AGRONOMIC TOOLS / WIDGETS

A wide variety of tools create charts from field data and raw numbers, and provide useful information helping you make faster and more intelligent decisions.

### IRRIGATION SCHEDULER

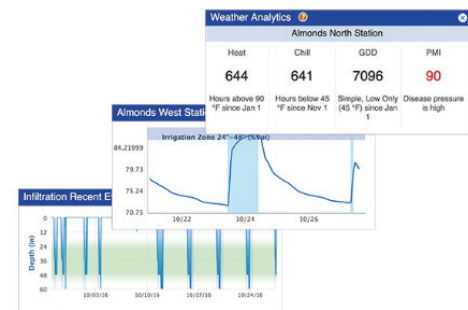
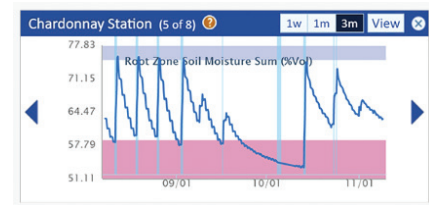
Managing your irrigation schedule shouldn't be another time-consuming task in a busy day. JAIN Logic puts all of your irrigation scheduling tools in one easy to find location. Without having to dig through piles of data or search through multiple pages you can readily see the forecasted irrigation demand with a comparison of how much water has already been applied. An irrigation schedule can be quickly created, allocating run hours by day. The schedule can easily be printed or shared with your team to ensure irrigation is managed efficiently.

### DATA MANAGEMENT

JAIN Logic provides robust soil moisture and field condition monitoring data that is reliable and secure. JAIN Logic provides analysis and presentation tools allowing you to use your field data to simplify irrigation decisions.

## Why JAIN Logic?

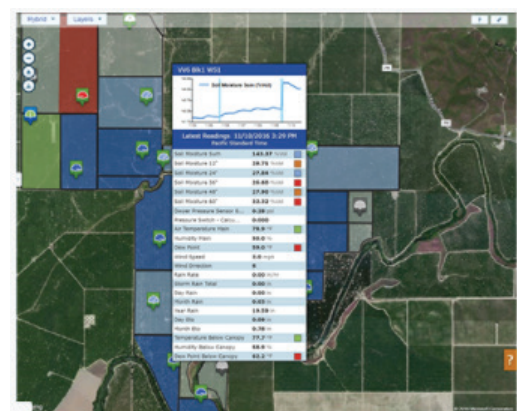
JAIN Logic is the most comprehensive monitoring and control system in the agtech industry with 15 years of grower input. Our integrated approach using soil moisture dynamics, satellite analytics, weather forecasts, applied water, scheduling optimization and control automation ensure maximum crop yield, water and labor savings.



Scheduled Hours		Start		Stop	
12	Yes	Sun 7/5	00:00 am	Mon 7/4	6:00 am
12	Yes	Tue 7/5	07:00 am	Tue 7/5	7:00 pm
12	Yes	Thu 7/7	07:00 am	Thu 7/7	7:00 pm

Add to the Schedule	Thurs 7	Fri 7	Sat 7	Scheduled Hours	Actual Hours
4	Yes	Sum	0	60	65
	12	0	0	36	34
	0	0	15.5	50	50.25
	15.5	15.5	0	24	19.25
	19	0	0	20	17
	0	4.5	0	19	19
	1.5	15.5	0	14	14



# JAIN C3 Field Station

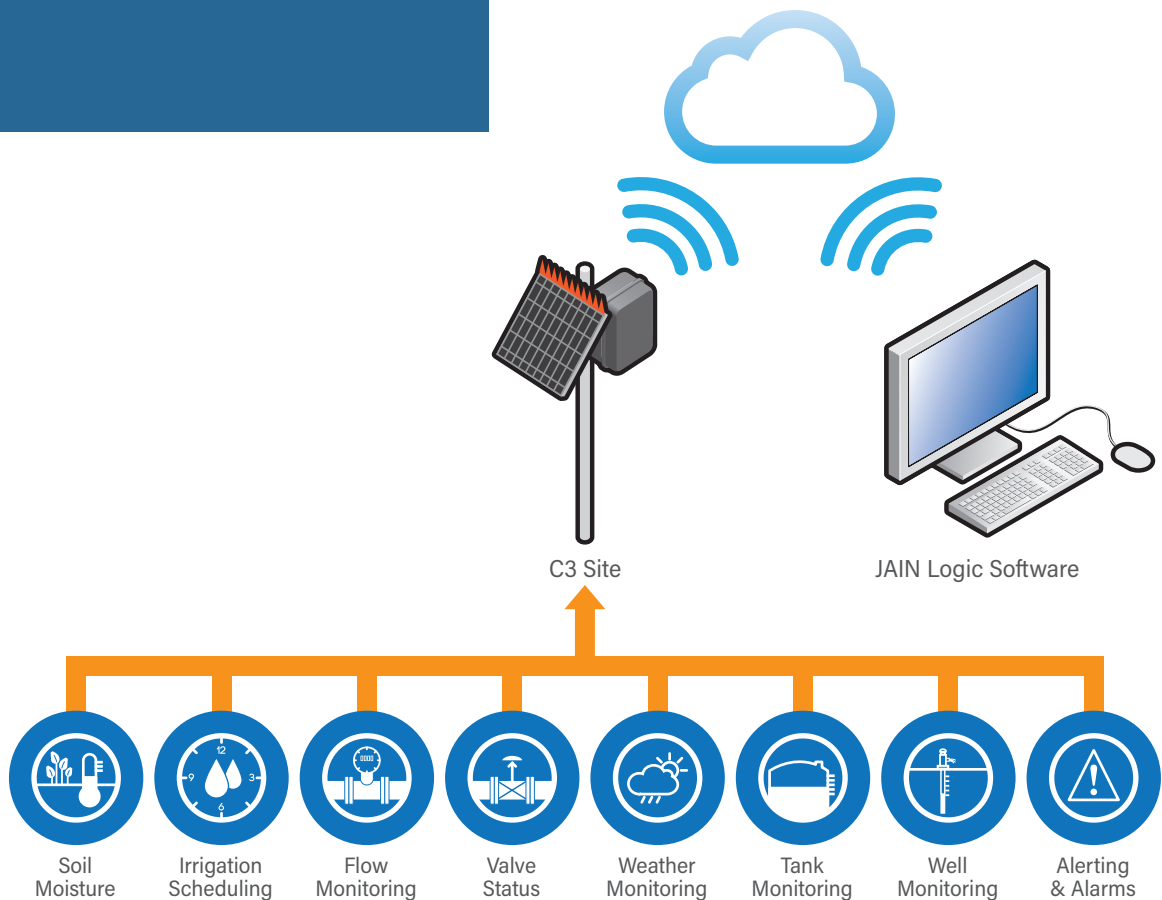
The JAIN C3 Field Station can remotely monitor a large range of agricultural and irrigation equipment with integrated access to the JAIN Logic software platform for data management and system control.

The C3 delivers unparalleled functionality, tailored to meet the requirements of any monitoring and control scenario. The JAIN C3 is available with a number of wireless communication options, allowing remote access to your equipment at the most optimal cost. The lithium battery technology and remote diagnostics functionality means minimal maintenance and reduced operating costs.

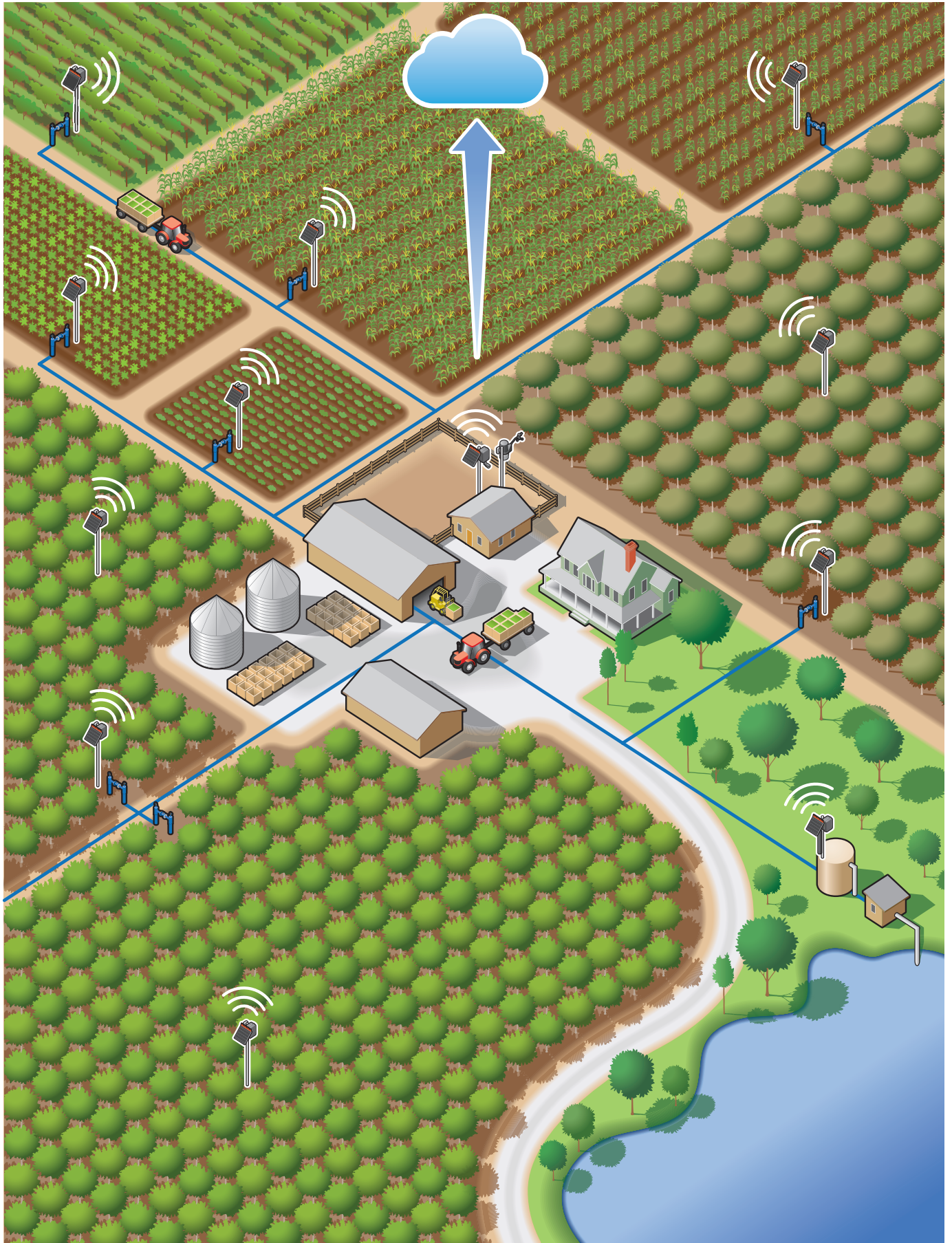
A flexible monitoring and control platform, the JAIN C3 is the cornerstone of the Jain Monitoring and Control system. The JAIN C3 can be configured as a simple pump controller or as a gateway managing a network of C3's, controlling and monitoring an irrigation system.



C3 Telemetry Unit







## JAIN C3 Field Station

The JAIN C3 is a telemetry platform that allows expansion from 1 to 7 sensors. It supports JAIN Logic's full range of sensors, connects through AT&T or Verizon mobile networks and is available in a range of kit solutions for easy installation. Choose the JAIN C3 if you require multiple sensors now or in the future.





# Kits and Bundles

## Support for a Wide Range of Sensors

- The C3 supports a versatile selection of probes and sensors for monitoring all types of field conditions
- This allows selecting the right tool to match your crop and monitoring needs
- Probes from AquaCheck, EnviroPro, Sentek and HSTI
- Monitor trunk swell and contraction using Dendrometer
- Weather Stations, Leaf Wetness, Pressure Transducers
- Flow Meters and many others
- All data is sent to JAIN Logic software making analysis and decisions easy



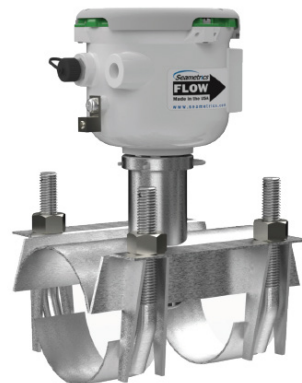
## Tank Level Monitoring

- Continually checks tank levels
- High quality ultrasonic sensor is accurate and unaffected by water quality
- Alerts on low/high water levels
- View water level history graphs
- Automatic tank or reservoir fill with pump control



## Flow Meter Monitoring and Water Tracking

- Continually records flow meter readings
- Calculates run times and water applied
- Alert on high or low flow conditions
- Keep accurate records of irrigation events
- Connect to common industry meters:
  - Semetrix AG2000, AG3000, & AG90
  - McCrometer McPropeller with pulse adapter





Jain is a fully integrated global food / plant production company recognized by Harvard Business to be one of five global sustainability champions, the G-20 for lifting people out of poverty, and Fortune magazine for being a “Change the World Company”. Our irrigation manufacturing capabilities include everything from behind the pump to the flush valve at the end of the lateral and everything in between. We lead the industry in manufacturing technology, owning both our extrusion and mold manufacturing equipment providers.

Jain leads plant science research globally across a variety of food crops and is staffed with some of the world’s leading research scientists. With the Gandhi Library, Jain now houses the leading collection of the world’s best plant science knowledge in a single facility. Our agronomic knowledge is integrated from our world class plant tissue culture operations through our food processing businesses. We research, educate, advance, manufacture, finance, propagate plants, and purchase produce for processing all in an effort to fulfill the Jain mission:

**Jain Irrigation, Inc.**

[www.jainsusa.com](http://www.jainsusa.com)

**Jain Customer Service**

Phone: (559) 485-7171

Fax: (800) 777-6162

**Western Manufacturing Facility**

2851 E. Florence Ave.

Fresno, CA 93721

**Northeastern Manufacturing Facility**

740 Water St.

Watertown, NY 13601

**“Leave This World Better Than You Found It”**



Please recycle after use.

AG-005 6/19 © 2017 Jain Irrigation, Inc. All rights reserved.



[jainsusa](https://www.facebook.com/jainsusa)



[@jainsusa](https://twitter.com/jainsusa)



[@jainsusa](https://www.instagram.com/jainsusa)