

# 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, automation and irrigation scheduling, JAIN Logic is the only water management software farmers need to achieve more crop per drop.

## Why JAIN Logic?

JAIN Logic is the most comprehensive monitoring and automation 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 saving.



## 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

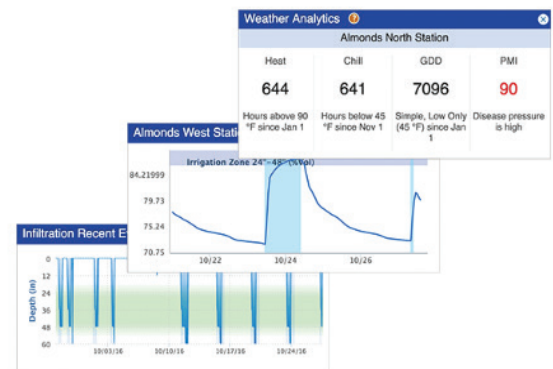
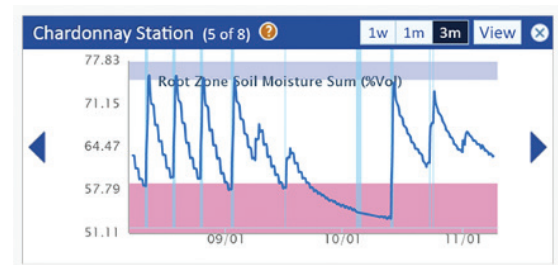
The most extensive set of agronomic tools available using a wide variety of field, weather and satellite data to create useful information helping you make faster and more effective decisions.

### 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 decision.



Duration	Start	Stop
12 hrs	Sun 7/3	Mon 7/4 6:00 am
12 hrs	Tue 7/5	Tue 7/5 7:00 pm
12 hrs	Thu 7/7	Thu 7/7 7:00 pm

	Thu Jul 7	Fri Jul 8	Sat Jul 9	Scheduled Hours	Actual Hours
20.5	4	0	60	65	
12	0	0	36	34	
0	0	15.5	50	50.25	
15.5	10.5	0	24	19.25	
15	0	0	20	17	
0	4.5	0	19	19	
1.5	11.5	0	14	14	



## 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



## Advanced Automation

- Pump control using simple relay on/off or advanced direct VFD interface for Danfoss and Yaskawa variable frequency drives
- Hydraulic valve actuation using 12 VDC latching solenoids or full integration with Nelson TWIG and TWIG V systems
- Butterfly valve control using high-torque actuator
- Fertigation control of dosing pumps



## 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:

Semetrics AG2000, AG3000, & AG90

McCrometer McPropeller with pulse adapter

