

# Irrigation & Land Application Data Management

## Water Sentinel®: Data that Makes a Difference

With the investment required for most agricultural water and wastewater projects, you need to maximize your return, and one of the keys is leveraging data.

Designed by water management experts, Water Sentinel® data management provides simplified operations and regulatory compliance for your operation. It takes all your irrigation, agricultural or land application data, runs scientific calculations and produces user-friendly reports to manage your systems.

People who demand the best use Water Sentinel—Fortune 500 food producers and processors, along with farm managers who want to improve their performance.

### Customizable for your operational needs

- Multi-level user access
- Helps stay on top of regulatory requirements
- Works for other water management applications, such as monitoring drinking water
- Secure, centralized data storage
- Easily interfaces with Valley 365®

### Simple to use

- Web-based and intuitive
- Automated reports for informed decisions
- Remote access
- Saves time

### Science-based

- Developed by a team with more than 185 combined years of water management expertise
- Review and modify data to meet changing needs

### Sustainable

- Conserves water and energy resources



# Water Sentinel Capabilities

## Management & Operations

- System performance
- Operation summaries
- Nutrient and salts balance
- Water balance
- Graphing
- Data range options

## Regulatory

- State monitoring reports
- Compliance reports
  - Monthly, quarterly, annually, etc.

## Farm Management

- Field performance
- Nutrient/fertilizer application
- Water application
- Pump systems
- Graphing
  - Soil moisture
  - Soil nutrients
- Advisor feedback

Our integrated approach to data management identifies ways to optimize performance while saving valuable time and resources. This includes guidance through any regulatory issues that might hinder your progress—and your profits.



Access to weather data



Science-based analysis of soil, water and nutrients



Stay in compliance with customizable reporting



Leverage data for efficient irrigation



Improve operational performance

# Five Simple Steps for Success

Building your Water Sentinel is an easy and interactive process. Valley Science & Engineering experts collaborate with you throughout the development and implementation process so that the program meets your specific needs.

1. You and Valley collaborate to establish data and reporting needs.
2. Valley programs and launches Water Sentinel online.
3. Valley trains you to use Water Sentinel.
4. Valley provides professional data management support.
5. You successfully manage your data.

# Valley: the Water—and Data—Management Experts

Our decades of experience mean we understand the complex issues your operation faces. Contact the Science and Engineering experts from Valley today.