Variable Rate Irrigation
Today’s Opportunities

• Technology
• Precision application
• Energy savings
• Reduced environmental footprint
• Information in one place
• Ability to expand operation
• Real Time Field Data in multiple locations
What is Variable Rate Irrigation?

- Changing the rate of water or chemigation applied to different areas of the field.
- Basic- Speed control plan of the machine
- Zone- Controlling banks of nozzles on the machine
- Full- Controlling individual nozzles on the machine
Basic VRI (Variable Rate Irrigation)

FieldNET, the leader in pivot monitoring and control, is now leading the industry in speed control by sectors (called Basic VRI).

Forward and Reverse Plans

Control up to 360 sectors

Match water to soil & crop needs
FieldNET

Integrated and easy to use solution for water, fertilizer, and chemigation management. Includes:

- Remote monitoring and management
- Remote control of equipment
- Web-based with supporting Apps
- Applications for decision making
- Sensing and monitoring hardware with Growsmart plug-n-play sensors
FieldNET Hardware

- FieldNET Pivot Control
- IM3000 Magnetic Flow Meter
- Rain Bucket
- Transducer (at panel & at GPS)
- Temperature
FieldNET Pivot Control
Industry-First Solution

- Retrofit Existing Electric Pivot Systems
- Full Remote Control and Monitoring
- Affordable and Easy Upgrade Solution
- In Field Control
- Prevent Overwatering Mistakes
FieldNET Pivot Control
Hardware
Enhanced Water Usage reports
Plug & Play Sensors
help growers utilize best management practices that lower operating costs through
efficient use of labor, energy, and water

Soil Moisture Monitor
- Proven Sensors
- Monitor using easy graphical interface
- Run in/post season reports

Weather Station
- Temperature
- Relative humidity
- ET (Calculated on FieldNET)
Full Variable Rate Irrigation
Full VRI (Variable Rate Irrigation)

Full VRI allows for control down to the individual sprinkler
-Precise application for infinite zones and application rates
Full VRI
System Components

VRI system is a modular setup consisting of the following components:
1. VRI Main Controller
2. Wireless Nodes
3. Latching Solenoid Valves
4. Wiring Loom
5. GPS
Full VRI
Main Controller

• Stand alone Control Panel
• Touch screen Display
• Easy to Navigate
• Simple access to multiple plans

Stand alone VRI main controller adapts to all brands
Each wireless node controls 4 valves independently
Full VRI
Latching Solenoid Valves

- Node sends 24 volts DC to the valve which will cycle the magnetic diaphragm valve.
Full VRI
Field Map Software

- Field Map is a farm mapping based software package that is used to create VRI irrigation plans.
Full VRI
Applications

- Varying soil types and terrain
- Better sprinkler uniformity
- Research plots
- Avoidance areas
- Pivot over lap
- Environmentally sensitive areas
- Fields with water allocations
Try For Yourself

Website

www.myfieldnet.com

Go to: “Customer Login”

Username: demouser
Password: showdemo

Apps

Login to AppStore or Google Play
Download: FieldNET Mobile

Username: demouser
Password: showdemo