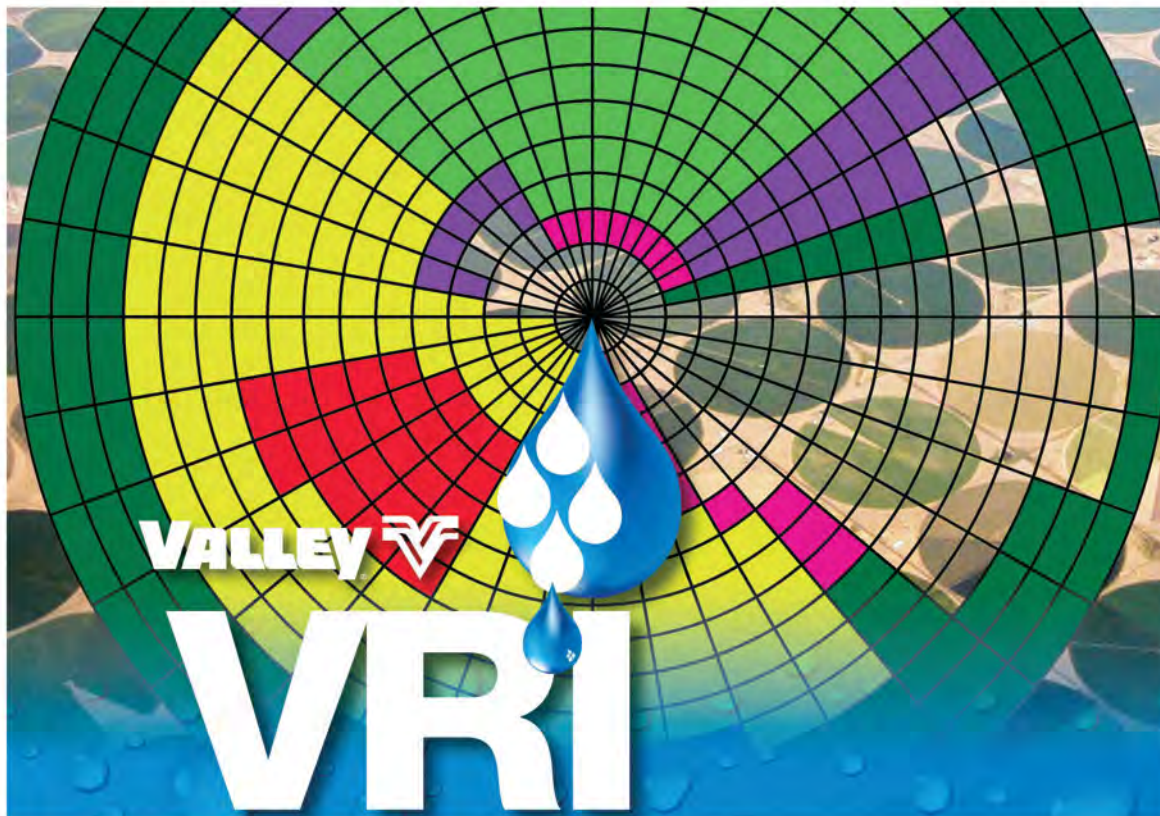


Valley® Variable Rate Irrigation



RELIABLE
DRIVE TRAINS

DURABLE
STRUCTURES

PRECISE
APPLICATIONS

ADVANCED
TECHNOLOGIES

RESPONSIVE
DEALERS

Precision Agriculture: VRI for site-specific applications

Valley Variable Rate Irrigation (VRI) – designed to put your irrigation management decisions into action improving efficiency, lowering production costs, and potentially increasing profitability. This patented, variable rate irrigation zone control optimally matches your pivot's water application rate to your specific field conditions.

Valley VRI technology offers:

- Irrigation prescriptions to match your other Variable Rate practices
- Enhanced soil moisture management
- Choices of Valley VRI Speed Control or Valley VRI Zone Control
- Precision variable rate application of water and nutrients
- Higher yield potential with lower input costs
- Uses your existing Valley Select2 or Pro2 control panel



Many growers around the world are taking advantage of Precision Agriculture with site-specific variable rate systems. The benefits of reduced input costs, stronger yields and optimized resources have made Precision Agriculture no longer a luxury, but a necessity to many.

Now is the time to take the next step in Precision Agriculture with Variable Rate Irrigation from Valley. Maximize your Precision Agriculture practices all year long with site-specific application of water and nutrients using irrigation prescriptions that optimally match your specific field conditions.



Valley VRI Prescription software.

New Valley VRI controls provide producers a level of precision irrigation management unrivaled in today's center pivot industry.

- Use combined agronomy principles with Valley VRI hardware to apply water when, where, and by amount needed
- Create irrigation prescriptions from yield data, topography information, soil data maps, or other user defined field conditions
- Upload those prescriptions to a Valley Control Panel
- Automatic VRI adjustments calculated from base rates entered into the control panel

By matching water application rate to soil type, producers can now improve irrigation efficiencies while conserving resources and increasing yield potential.



Pick your level of precision:

VRI Speed Control

- Uses an irrigation prescription defined by specific field conditions, which allows sectors around the field every 2 degrees—up to a total of 72 around the field
- No additional hardware needed
- Upload to your Valley Pro2 or Select2 Control Panel

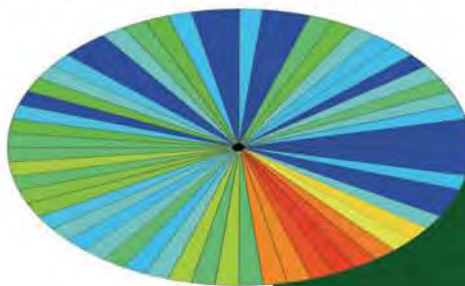
VRI Zone Control

- Provides maximum precision irrigation.
- Individual sprinkler or span control allows up to 30 different possible VRI Zones along the center pivot
- Uses Valley VRI tower boxes and a Valley Pro2 panel
- Allows for over 5,000 management zones

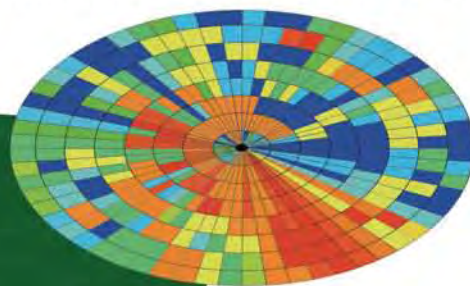


Valley tower boxes and control valves support Zone Control.

VRI Speed Control Prescription

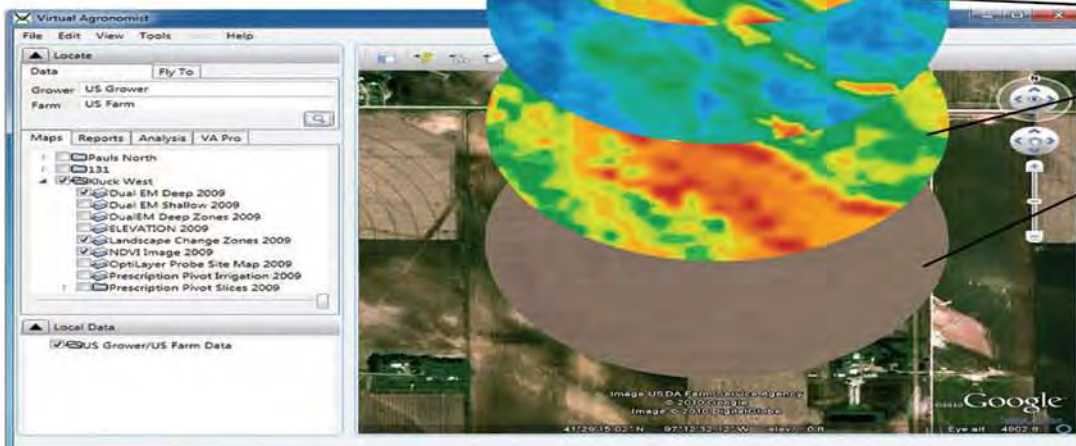


VRI Zone Control Prescription



Optimized irrigation prescriptions are created from layered, data maps gathered from multiple sources.

- Crop
- Aerial
- Topography
- Yield
- EM/EC
- Field



For advanced planning and data management, the Valley VRI packages are compatible with many services provided by CropMetrics. CropMetrics is an independent company that offers the following services.

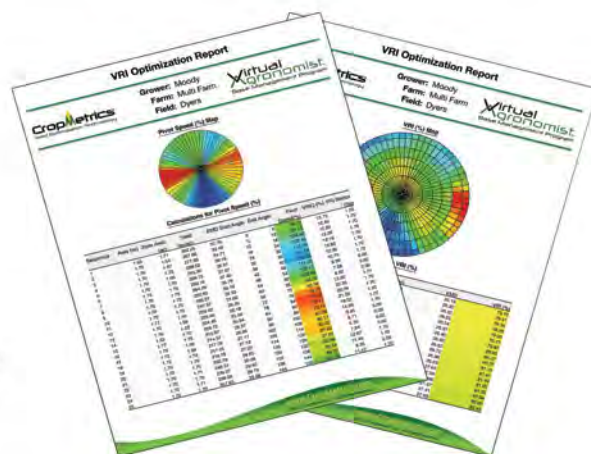
CropMetrics VRI Optimization along with the **CropMetrics Virtual Agronomist Pro (VA Pro)** program will identify optimal number and placement of the Valley VRI Zones or Speed Control sections and then generate the prescription to match. VA Pro is the industry's first, fully automated VRI Rx generation tool that combines all your field's most important agronomic data layers to more precisely establish an optimal VRI solution.



CropMetrics VRI Optimization offers:

- EM Survey and RTK elevation field data collection
- Complete multi-layer data processing
- VRI Optimization report with advanced analysis and Zone Control design and recommendation
- VRI Speed Control prescriptions - compatible with Valley Pro2 and Select2 Control Panels
- VRI Zone Control prescriptions - compatible with Valley Pro2 Control Panels

CropMetrics can use existing EM/EC field data when available. Services may be limited by location. For more information and to inquire about services in your area, go to www.CropMetrics.com



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* See your local authorized Valley Dealer for complete details.



Branches throughout New Zealand
www.waterforce.co.nz
 0800 4 FORCE (4 36723)

Valmont® Irrigation has a policy of continuous product improvement and development. As a result, certain changes in standard equipment, options, price, etc. may have occurred after the publication of this brochure. Some photographs and specifications may not be identical to current production. Your local Valley® dealer is your best source for up-to-date information. Valmont Irrigation reserves the right to change product design and specifications at any time without incurring obligations.