

Valley® Variable Rate Irrigation

RELIABLE | DURABLE | PRECISE | ADVANCED | RESPONSIVE



VALLEY 

The Leader in Precision Irrigation

Valley Variable Rate Irrigation (VRI) allows you to customize your water application based on topography information, soil data maps, yield data and other field-specific information. This means you can:

- Increase yields by making all areas of your field more profitable.
- Reduce overwatering, underwatering and runoff.
- Increase water and chemical application efficiency.
- RELAX – you know your precious water resources are being used wisely!

VRI: What's in it for You?

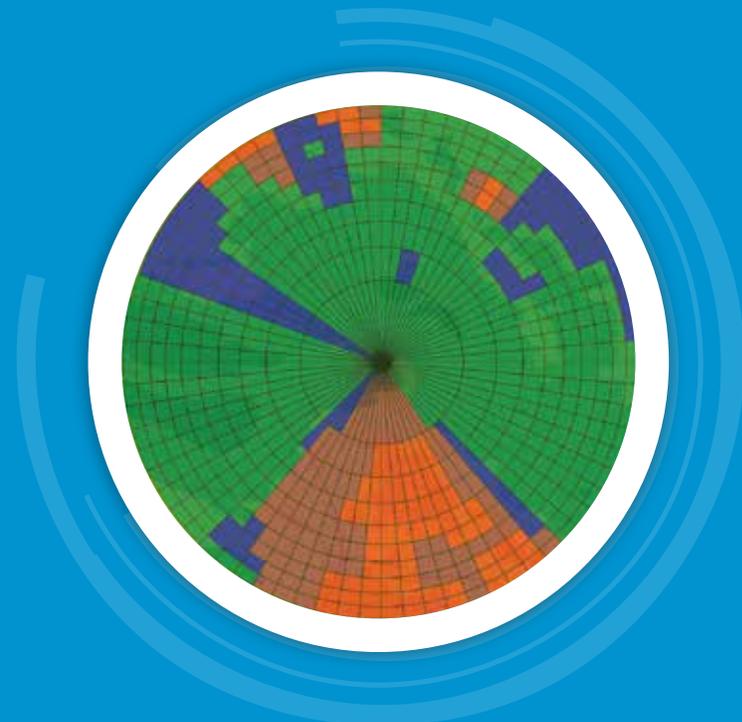
It's **EASY** to Use

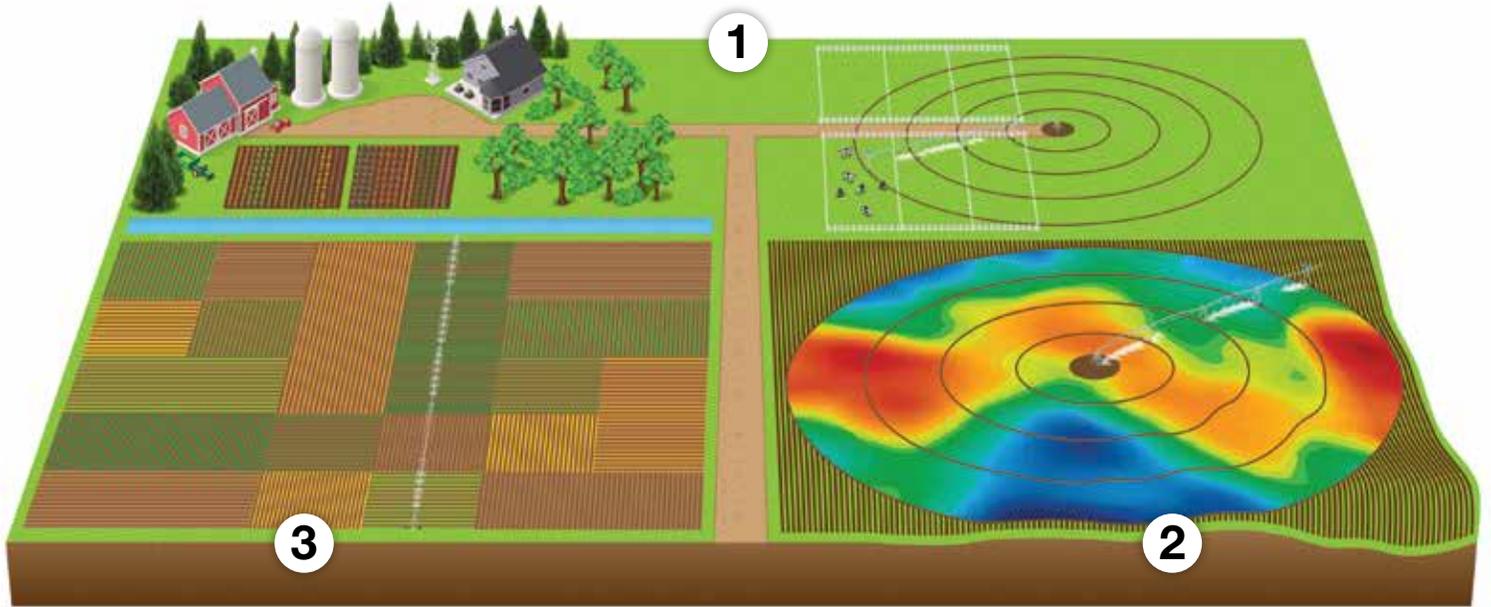
- Valley BaseStation3™ or AgSense® telemetry products provide wireless upload capabilities to get the VRI prescription to your center pivot.
- And because you can wirelessly upload your prescription, you can quickly make changes as your water application needs change in the field.
- Don't have AgSense or BaseStation3? You can hard-wire upload your prescriptions directly to your digital control panel.

VRI can **SAVE WATER**

- Based on your VRI prescription, you're applying water only where it needs to be. You're not irrigating unnecessary areas in your field, such as ditches, canals, buildings and boggy areas.
- Because you can change the application depth throughout your field, you will see reduced runoff and avoid overwatering your crops, which protects your soil's health.

Valley understands that not all fields are the same and not all growers' needs are the same. That's why we are the only company in the industry to offer multiple VRI options.





When Should You Use the New VRI individual Sprinklers (VRI iS)?

When you need the most accurate variable rate irrigation in your challenging field. It fine-tunes water application more accurately than in a zoned area. For example in fields divided into cattle paddocks, VRI iS can control individual sprinklers around your cattle and lanes; as shown in the graphic above.

1 How Does VRI iS work?

- Your field is divided into sectors every .1 degree.
- A customized VRI prescription changes application rates or turns off individual sprinklers over nonirrigated areas.
- Each sprinkler is assigned an application rate percentage.

When Should You Use Zone Control?

Zone Control allows you to maximize your water application efficiency in more challenging fields, such as those with differing topography.

2 How Does Zone Control Work?

- Your field is divided into 5,400 zones with optimized water application in every single zone; as shown in the graphic above.
- A customized VRI prescription pulses the sprinkler control valves along the center pivot zones to achieve the desired application depth.
- It can also be used for on/off control over areas in your field that don't need to be irrigated.

3 NEW! VRI Zone Control for Linears

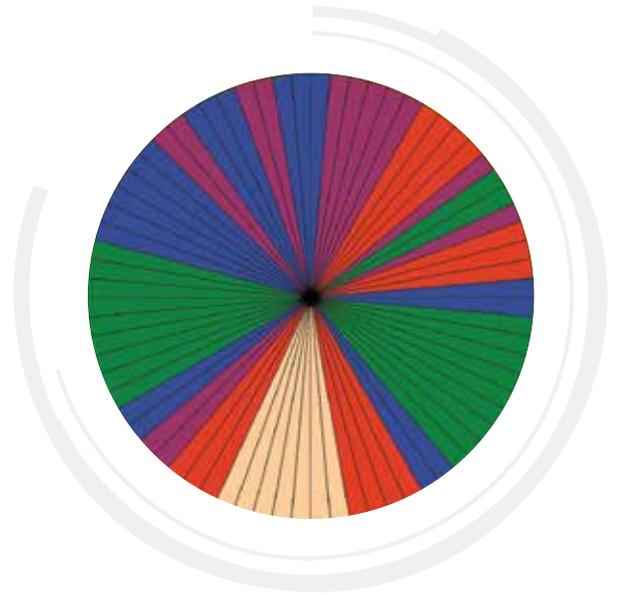
- This new option is ideal for rectangular fields with different soil types and nonirrigated areas.
- Your field is divided into 5,400 management segments.
- Universities often use this option in test fields; as shown in the graphic above.

When Should You Use Speed Control?

Speed control is ideal for those of you who want to minimize your investment cost, but still receive the benefits of applying water more efficiently. If you have a digital control panel, then VRI capabilities are at your fingertips.

How Does Speed Control Work?

- Your field is divided into a maximum of 180 sectors with optimized water application throughout.
- A customized VRI prescription speeds up or slows down the center pivot to achieve the desired application depth across each sector.



See your local authorized Valley dealer for complete details.



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.

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