GROWSMART® PRECISION VRI™ | VARIABLE RATE IRRIGATION

INTUITIVE INTERFACE. PRECISE APPLICATION. MAXIMUM FLEXIBILITY.
Fully optimized irrigation has arrived

Growsmart® by Lindsay Precision VRI™ allows you to customize exactly the right amount of water or chemicals to each area of your field – maximizing yields and profitability.

**POWERFUL BENEFITS**

- **Easy to use**
- **Changes application depth over different crops, terrains or soil types**
- **Reduces runoff and nutrient leaching**
- **Saves on fertigation and chemigation costs**
- **Maximizes use of available water through constant flow technology, especially valuable for corner systems**

**Why Precision VRI is better**

- **Fully integrated solutions** – Unlike our competitors’, Lindsay offers a fully integrated solution with modular hardware, remote management, irrigation scheduling, and automated plan switching for full precision control.
- **Advanced capabilities** – Precision VRI evolves with you, with powerful features like “optimal flow” and “corner control”.
- **Automated fertigation/chemigation control** – The advanced Precision VRI system can be triggered to automatically switch to a specific plan when chemigating, fertigating or applying effluent through your pivot.
- **Very easy to program** – Competitors’ systems can be complicated to program – not Precision VRI. It’s never been easier to create a custom irrigation plan.
- **Maximum flexibility in irrigation management areas** – Create custom application areas in any shape or size on any part of your field. System length does not affect accuracy.
- **Remote irrigation management of your entire irrigation system** – Integrates with FieldNET® by Lindsay with options to monitor and control your pivot, VRI, pump and other irrigation hardware components.
- **Detailed irrigation through reporting** – Allows for better decision-making including reporting of individual nutrients within the substance applied when chemigating/fertigating.
- **No in-season re-nozzling** – Easily define plans that compensate for decreasing water availability.
- **Flexible** – Works on most brands of both pivots and laterals.
- **In-field touch-screen panel** – Intuitive display enables simple VRI plan control and VRI system operation.

**IRRIGATE WITH PRECISION**

You need Precision VRI if you have...

- Different crops, different planting dates or non-crop areas within the same field
- Varying soil types
- High runoff areas
- Low/flooded areas
- Obstacles such as buildings, tracks, roads, etc.
- Environmentally sensitive areas
- Limited or varying flow rates

What could you save with Precision VRI?

- Independent trials show irrigation water savings of up to 27% on dairy and cropping farms are achievable.
- Water is saved through matching irrigation to soil characteristics and crop requirements, and avoiding tracks, drains or unproductive land.
- The water saved can often be redistributed to other parts of the farm.
- It has been shown that the system can pay for itself within one irrigation season.

“Everyone is chasing precision ag nowadays. In theory, precision application of water is just as important as the other precision factors in farming, like planting, tractors, seed rate, chemicals and fertilizer – if not even more so.”

Richard Sheppy,
Former Farm Manager, Kangaringa Station
Keith, South Australia
FieldNET provides the most comprehensive options to remotely deliver greater control, real-time information and enhanced management tools. This means that at any time throughout the crop lifecycle, you can see exactly what your systems are doing and control them quickly and easily from a laptop, tablet or smartphone. With FieldNET’s web-based platform you can customize your water application and manage VRI remotely. It all adds up to less time in the field, less spent on valuable resources and greater control of your operation.

Benefits:
- Provides a single tool for seamless remote management of the complete irrigation system, including VRI
- Allows multiple irrigation plans to optimize water application
- Detailed irrigation reporting allows for better decision-making and compliance with regulations
- Simplifies operations involving multiple users by providing customizable controlled access levels
- Cloud-based platform enables remote diagnostics, aiding trouble-shooting and reducing downtime

Features:
- Configurable inputs allow for real-time system status data feeds
- Water pressure input provides improved application logging accuracy
- Improves FieldPLUS by pulsing sprinklers to avoid overwatering

“With Precision VRI and FieldNET, grower Phill Everest irrigates his farm in accordance with his consent conditions, precisely applying the correct amount of water and chemicals over multiple crops, soil types and terrains. The system gives him the pinpoint accuracy he needs along with the efficiencies that result from full remote capabilities.

FieldNET app allows for general pivot control, monitoring and alerts. VRI is controlled through a web-based platform.

The first time using the new FieldNET tool for Precision VRI, I found it very easy. It was much simpler and quicker having just the one place to go to control my pivot and manage the Precision VRI plans.”

Phill Everest, Flemington Dairies, Ashburton, New Zealand
Unlike other VRI products, Precision VRI provides more irrigated coverage. The custom application tool allows you to define an extensive number of flexible areas, and with Precision VRI, there’s no restriction on size or shape.

**APPLICATION SCENARIOS**

**20% LOST IRRIGATED LAND POTENTIAL**
With a conventional pivot, irrigation is shut off across the entire portion of the field containing an area such as a pond. This results in incomplete irrigation coverage, reducing the valuable productive land around the pond.

**FULLY IRRIGATED LAND**
Precision VRI’s highly flexible program features extensive custom shape capabilities for complete coverage and maximum efficiency.

**HOW IT WORKS**
Each sprinkler is individually controlled to turn on/off or pulse at a customized rate depending on crop, terrain or obstacle.

FieldNET Advisor is the innovative irrigation management support tool that helps you simplify your crops’ water needs and maximize yield potential. It is a cloud-based solution within FieldNET’s remote monitoring and control platform that requires no additional hardware and provides seamless integration so you can immediately put recommended VRI plans into action.

One of the industry-leading capabilities built into this tool is the powerful FieldNET VRI Advisor.™ This feature generates optimized variable rate irrigation prescriptions that are continuously updated to account for varying soil types and the dynamically changing crop growth, weather and as-applied irrigation throughout the season, which means you’ll have an updated VRI plan each day.

How is this achieved? FieldNET Advisor tracks the available water in the soil and the crop’s forecasted water requirements at every point throughout the field and uses that data to generate VRI prescriptions that are continuously updated to optimize water application.

FieldNET Advisor allows you to review the current recommended dynamic VRI plan and make modifications if desired, or create and save new or modified plans.

**SECTOR VRI**
Divides the field into 360 “pie slices” and adjusts the pivot speed over these sectors to change the application depth. (Does not control individual sprinklers.) Requires FieldNET.

**PRECISION VRI**
A virtually unlimited number of flexible application areas provides exactly the right amount of water by controlling individual sprinklers. Requires a Growsmart Precision VRI system connected to FieldNET.
<table>
<thead>
<tr>
<th>ZIMMATIC PIVOT WITH BOSS OR VISION PANEL</th>
<th>ALL OTHER ELECTRIC PIVOTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldNET by Lindsay</td>
<td>FieldNET Pivot Control</td>
</tr>
<tr>
<td>Growsmart Precision VRI</td>
<td>Precision VRI</td>
</tr>
<tr>
<td>Precision VRI plus FieldNET</td>
<td>Precision VRI with FieldNET plus Pivot Control</td>
</tr>
<tr>
<td>Precision VRI plus FieldNET Advisor</td>
<td></td>
</tr>
</tbody>
</table>

### VRI MANAGEMENT AREAS/ZONES

- **Up to 360 sectors (Basic VRI)**
- Virtually limitless² areas/zones (Precision VRI)
- Remote Precision VRI diagnostic ability
- Auto-generated, continuously updated full Precision VRI plans

### REMOTE MANAGEMENT

- **Pivot monitoring and control**
- Pivot status alerts
- VRI monitoring and control
- VRI plan creation and editing
- VRI application reporting

² Total area count or plan complexity may vary depending on hardware specification

² Precision VRI on FieldNET with Pivot Control does not provide the same level of remote management integration as BOSS or VISION panels.

Visit your local Zimmatic® by Lindsay dealer or growsmart.com for more details.

---

THE LINDSAY ADVANTAGE

DURABLE • RUGGED • EASY TO USE • INTEGRATED TECHNOLOGIES • BROADEST LINE OF SOLUTIONS

---

2222 N. 111th St., Omaha, NE 68164 • 1-800-829-5300 • 1-402-829-6800 • www.lindsay.com

Lindsay USA: 2222 N. 111th St., Omaha, NE 68164 • Lindsay Africa: 6 Talana Close, Sacks Circle, Bellville South, 7530, South Africa
Lindsay Brazil: Rodovia Adhemar Pereira de Barros - SP 340 KM 153, 5 - Caixa Postal 1001 CEP 13804-830, Mogi-Mirim, Sao Paulo, Brazil
Lindsay Europe: L’Epinglelrie 72300 La Chapelle d’Aligné, France • Lindsay International BV: Weena 278, Tower B, 7th floor, 3012 NJ Rotterdam
Russian Branch of Lindsay International BV: Russia, 350063 Krasnodar City, ul.Sovetskaya, 30, office 1202
Lindsay Sulama (Turkey): Karamehmet Mahallesi, Avrupa Serbest Bölgesi, 4Cadde No3 Energ-Tekirdag/TURKEY
Lindsay (Tianjin) Industry Co. Ltd. Beijing Sales Branch: Room 501, No. 55 Nongzhanghuan North road Chaoyang District Beijing, 100125 China
Lindsay Australia Warehouse: Lindsay International (ANZ) Pty Ltd 19 Spencer Street Toowoomba QLD 4350
Lindsay NZ: 581 Taonui Road Feilding

© 2018 Lindsay. All rights reserved. Zimmatic, FieldNET, Growsmart, Watertronics, LAKOS and IRZ brands and products are trademarks or registered trademarks of the Lindsay Corporation and its subsidiaries. All brand names are trademarks or registered trademarks of their respective companies.

---

Precision VR with FieldNET BRO ENG-2059 500-0318