INTUITIVE INTERFACE. PINPOINT ACCURACY. MAXIMUM FLEXIBILITY.
“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

Pinpoint irrigation is taking shape

Growsmart® by Lindsay Precision VRI allows you to customize exactly the right amount of water or chemicals to each area of your field – giving you full control over each square inch, maximizing yields and profitability.

Powerful benefits

Easy to use – saves time and is completely customizable.

Changes application rate over different crops or soil types – rather than farming to the limitations of an existing irrigation system, crops that require varying amounts of water can be grown under your system, achieving total flexibility.

Reduces over-watering on laterals and part circles by running different forward and reverse plans.

Saves water – sprinklers are used more efficiently and can be turned off over tracks, drains, buildings, etc. Application rates over wet areas can be decreased.

Decreases power consumption – it only runs when and where it’s programmed, so no power is wasted.

Less track maintenance – in areas where there are tracks, Precision VRI can be programmed to shut off, which means less erosion and decreased water use.

Reduces runoff and leaching – lowering application rates in certain areas decreases overwatering.

Saves on fertigation and chemigation costs – chemicals can be efficiently applied exactly where they’re needed.

Decreases or eliminates watering in low or flooded areas.

Why Precision VRI is better

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.

No limits on application segments – Similar VRI products restrict irrigation flexibility by only allowing 30 control segments along the length of the pivot. So, the longer the system, the less control you have over each application zone. With Precision VRI, system length has no effect on accuracy.

Infinite application areas – Individual sprinkler control allows you to create more than 47,000 application areas.

Custom application areas – Your field doesn’t fit an exact grid, which is why Precision VRI allows you to create custom application areas in any shape or size on any part of your field.

No in-season re-nozzling – Easily define plans that compensate for decreasing water availability.

Flexible – Works on all brands of both pivots and laterals.
You need Precision VRI if you have . . .

- Different crops 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

How Precision VRI will help you make the most of your fields:

- Works on almost any brand of center pivot or lateral system
- Zone and individual sprinkler control
- Pulsing technology
- Easy to use customizable map-based software
- New GPS-based positioning offers accurate control and programming

WORKLESS NODES

Each wireless node controls up to four valves, turning sprinklers on and off, or pulsing according to the Pinpoint Plan. The nodes also act as wireless repeaters sending signals up and down the length of the pivot.
Pinpoint mapping as unique as your field

AS EASY AS CONNECTING THE DOTS

Field-specific agronomic data readings form the foundation of the irrigation plan.

Multiple custom application zones can be defined by clicking certain GPS coordinates on the field map or by importing coordinates from a handheld GPS device.

After the agronomic maps are complete, the color-coding and labels make it easy to specify the right application depths for each area of the field.

Precision VRI allows you to define the application rates to generate the pinpoint application plan that’s perfect for your field. It can easily be modified at any time. Once the plan is loaded onto the VRI controller, it is ready to apply.

The VRI controller reads the plan and sends a message to wireless nodes along the length of the pivot.

Nodes control each individual sprinkler to turn on or off, or pulsate according to field position and desired application rate.

Each sprinkler is controlled by a field-proven magnetic latching solenoid valve that’s built to last.
Water precisely where you need it

Unlike other VRI programs, Precision VRI provides up to 30% more irrigated coverage. The custom application tool allows you to define an infinite number of flexible areas, and with Precision VRI, there's no restriction on size or shape.

APPLICATION SCENARIOS

No VRI

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.

Competitor’s VRI

8% LOST IRRIGATED LAND POTENTIAL

Other VRI systems use inflexible grids that miss valuable productive land and offer limited coverage.

Growsmart Precision VRI

FULLY IRRIGATED LAND

Precision VRI’s highly flexible program features infinite custom shape capabilities for complete coverage.

CUSTOM APPLICATION TOOL

Define an infinite number of flexible areas with no restrictions on size or shape.
The Lindsay Advantage

Lindsay is the only single-source irrigation manufacturer that can develop a customized pivot, lateral or drip system for your individual needs. From planning and design to wireless management, filtration and custom pump stations, Lindsay will help you optimize yields and reduce risk while efficiently utilizing resources.

Growers around the world rely on Lindsay’s innovative technology and long-lasting products supported by a network of knowledgeable dealers.

To find out how to save water and energy while achieving higher yields with Growsmart® by Lindsay Precision VRI, visit www.growsmart.com or talk to your local Zimmatic by Lindsay dealer.

THE LINDSAY ADVANTAGE

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

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