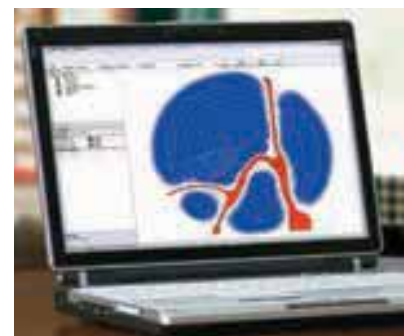
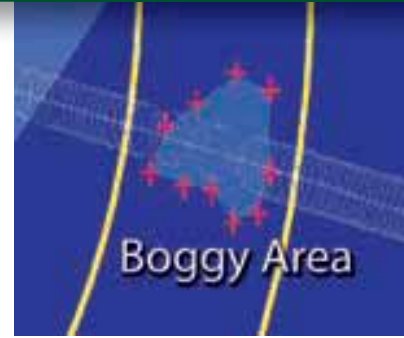




PRECISION VRI | VARIABLE RATE IRRIGATION

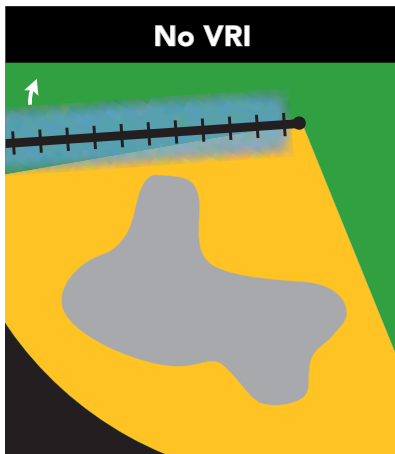


INTUITIVE INTERFACE. PINPOINT ACCURACY. MAXIMUM FLEXIBILITY.

# Water precisely where you need it

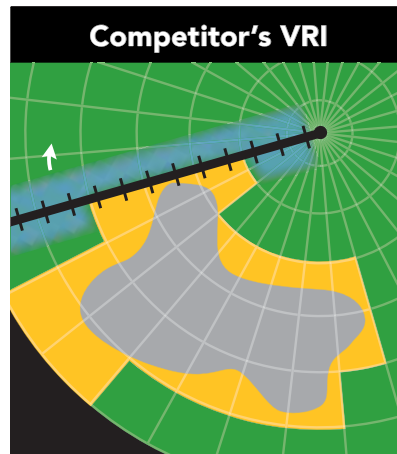
Unlike other VRI programs, Precision VRI provides up to 30% more irrigated coverage. The custom application tool allows you to define an infinite number of flexible areas, and with Precision VRI, there's no restriction on size or shape.

## APPLICATION SCENARIOS



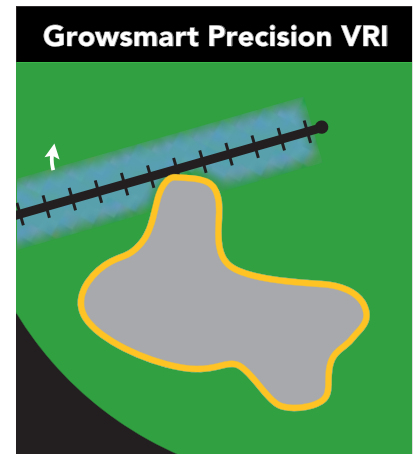
### 20% LOST IRRIGATED LAND POTENTIAL

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.



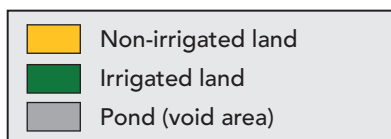
### 8% LOST IRRIGATED LAND POTENTIAL

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



### FULLY IRRIGATED LAND

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



## CUSTOM APPLICATION TOOL

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.



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

– Richard Sheppy

Farm Manager, Kangaringa Station  
Keith, South Australia



# Pinpoint irrigation is taking shape

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 current 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 and 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.

**Avoid in-season re-nozzling** – Easily define plans that compensate for decreasing water availability.

**Flexible** – Works on all brands of both pivots and laterals.



# PRECISION FARMING WHERE IT COUNTS THE MOST

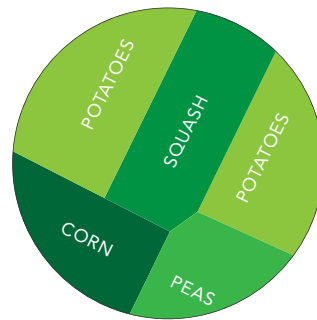
## You need Precision VRI if you have . . .

- 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

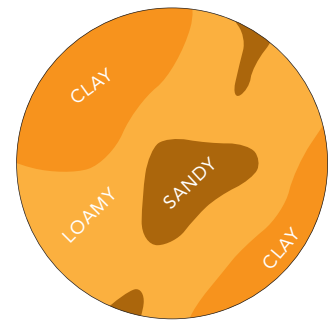
## How Precision VRI will help you make the most of your fields:

- 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

### VARIABLE APPLICATION RATES FOR CROP, SOIL TYPE, TOPOGRAPHY AND OBSTACLES



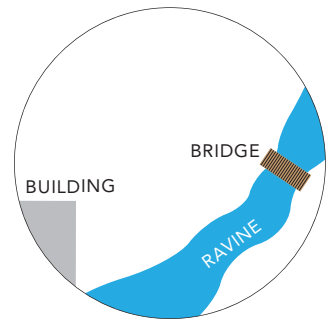
DIFFERENT CROPS



VARYING SOIL



LOW/FLOODED



FIELD OBSTACLES



## WIRELESS NODES

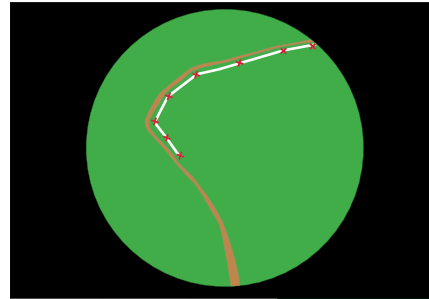
Each wireless node controls up to four valves, turning sprinklers on and off, or pulsing according to the Pinpoint Plan. The nodes also act as wireless repeaters sending signals up and down the length of the pivot.

# Pinpoint mapping as unique as your field

AS EASY AS CONNECTING THE DOTS



Exact coordinates can be imported from a handheld GPS device.



Define "void zones" to prevent irrigating ravines, etc.

## How it works

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.

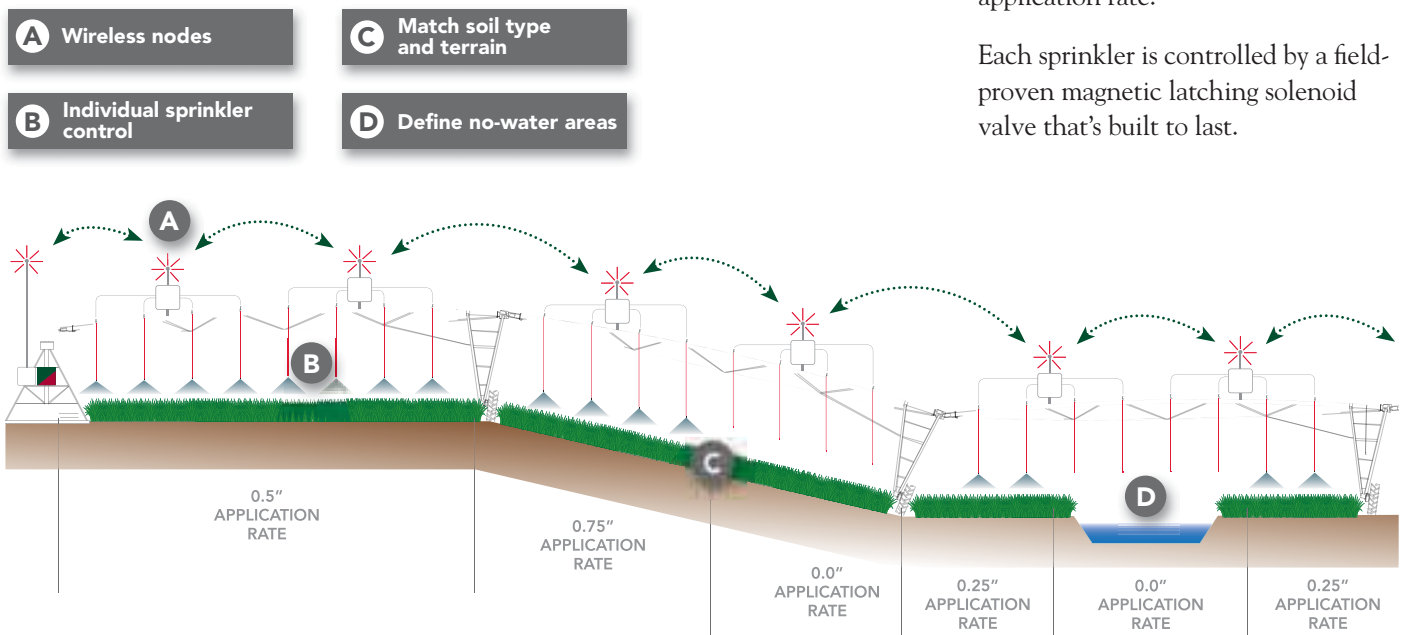
Precision VRI allows you to define the application rates to generate the pinpoint application plan that's

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.





## The Lindsay Advantage

The Lindsay Advantage combines our strength and durability with technology – all with the ultimate goal of making your operation more profitable.

With hundreds of dealers across the world as well as strategically located parts distribution centers, we offer growers immediate certified service, customer training and helpful advice.

**To find out how to save water and energy while achieving higher yields with GrowSmart Precision VRI, visit [www.zimmatic.com](http://www.zimmatic.com) or talk to your local Zimmatic® by Lindsay dealer.**



Scan this QR code to see Precision VRI in action, or visit [www.youtube.com/LindsayIrrigation](http://www.youtube.com/LindsayIrrigation).



### THE LINDSAY ADVANTAGE

STRONG • LONG LASTING • DURABLE • RUGGED • EASY TO USE •  
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**Lean, Clean and Green.** Lindsay Corporation is committed to developing environmental awareness and implementing sustainable practices to reduce the use of and protect energy, water, and all other resources.



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