



VARIABLE RATE IRRIGATION (VRI)

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We know that most agricultural land in the U.S. has significant variation in soil type and topography. So why would you treat every square foot of your field exactly the same when it comes to irrigation? With Reinke, you don't have to.

As a leader in the industry, we were the first to introduce GPS and touch screen applications. And we were the first to integrate variable rate irrigation (VRI) with touch screen control and "end-of-system" GPS, so that your field could achieve maximum efficiency.

VRI allows you to create unique field prescriptions to apply precise amounts of water to defined sections of your field. VRI prescriptions can be calculated according to numerous variables and can be used with almost any pivot or lateral move irrigation system. This enhances yield production and greatly reduces wasted water. How does it work?

You can use our VRI technology to divide your pivot circle into numerous pie-like slices, or sectors, which control the speed of your pivot based on how much water each sector requires.

Our VRI options start with the RPM Advanced Plus™ control panel, which allows for up to 25 sectors. The same capability is available with RPM Connect™, RPM AnnexAP™ and RPM AnnexCT™.

The prescription may concentrate on the outer portion of the circle, which accounts for 50% to 75% of the total area within each slice.

With the RPM Preferred Touch, or AnnexPF™, you can use zone VRI to divide the coverage area into multiple concentric rings, creating more than 300,000 zones, each of which can be custom irrigated. This allows an almost unlimited number of precision water and fertilizer application combinations.

Using a USB flash drive, you can upload and store several prescriptions on the RPM Preferred Touch control panel. In part-circle applications, two different prescriptions may be used — one for forward and one for reverse.

You can create your own irrigation prescriptions using Reinke software because VRI is simple to use.

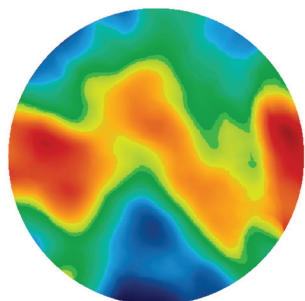
Handling the corners of your field can be problematic, but we've got a solution. The patent pending Reinke SAC VRI provides precision irrigation throughout the swing arm corner.



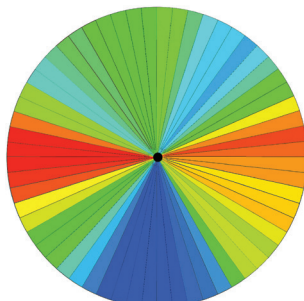
Variable rate irrigation (VRI) touch screen interface

This user-friendly technology allows you to easily change the watering rates based upon the GPS guidance path of travel specific to your field. The Reinke SAC VRI is available with the RPM Preferred Touch or RPM AnnexPF™ panel. Additional hardware is required.

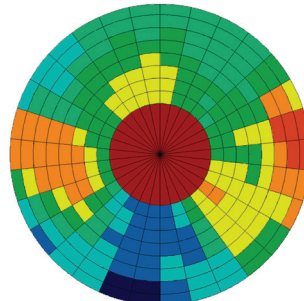
Your land has unique features. To get the most out of every square foot, ask your Reinke dealer about VRI today.



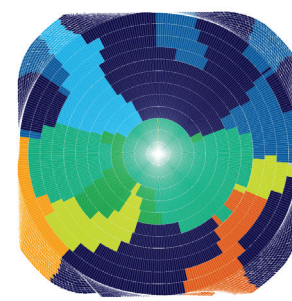
Data layer graph



Sector graph



Zone graph



Swing Arm Corner VRI



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