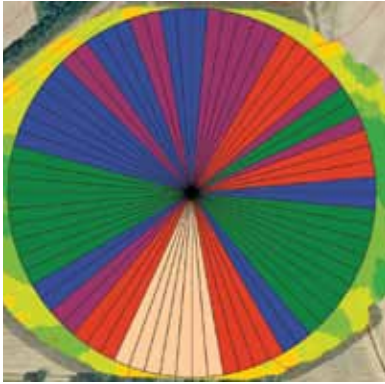


# Variable Rate Irrigation



Variable Rate Irrigation (VRI) from Valley is ideal for fields with multiple soil types and varying topography. With a combination of hardware and software, Valley VRI allows the grower to adjust the desired amount of water in a particular sector (VRI Speed Control) or management zone (VRI Zone Control). Irrigation applications with VRI can be programmed to match specific field conditions.



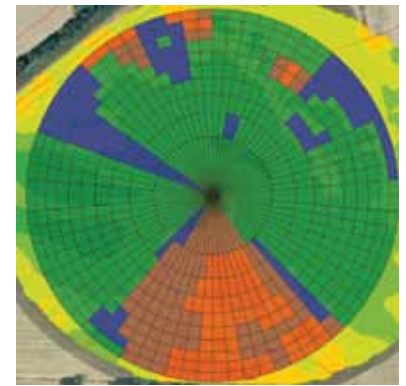
## VRI Speed Control

- Sectors around the field are allowed every 2 degrees – up to a total of 180 sectors
- An uploaded VRI Prescription speeds up/slow down the pivot to achieve the desired application depth across a sector
- No additional hardware is needed to upload the prescription to the control panels
- Uses existing sprinkler package
- Either the Valley Pro2 or Select2 control panel, or the Valley Tracker LT is required

*VRI Speed Control -*  
One slice is one sector

## VRI Zone Control

- Individual sprinkler or span control allows up to 30 different pivot zones along the center pivot and over 5,000 management zones within the field
- Can be used for on/off control for specific areas in a field such as ditches, canals, and wet areas
- An uploaded VRI Prescription turns control valves on/off along any pivot zone to achieve the desired application depth within a management zone
- Required hardware includes additional control valves for each sprinkler that will be managed by VRI Zone Control
- Uses Valley VRI tower boxes and a Valley Pro2 control panel



*VRI Zone Control -*  
One block is one management zone



*VRI Prescription Software*

## VRI Prescription Software

- Allows the creation of a Variable Rate Irrigation plan based on topography information, soil data maps, yield data, and other user-defined field information
- The prescription is uploaded to the control panel or TrackerLT to fully utilize VRI Speed Control and VRI Zone Control
- The prescription software is used on an external computer

## VRI Optimization

With Valley Variable Rate Irrigation Optimization growers now have access to powerful, agronomic tools that help precisely match application depths, via prescriptions, to soil type, topography, in-season imagery, and historical yields.



**Optimize irrigation on EVERY acre with Valley VRI!**