

# CHS YieldPoint® Variable Rate Application



CHS YieldPoint® variable rate application will place nutrients and/or seed-utilizing, industry-leading technology to enhance the profitability of your operation. Variable rate application will also benefit your farm by creating operational efficiencies. By utilizing variable rate application, inputs will be placed where they will add the most value, thus creating economical and environmental sustainability for your farm.

By working with a CHS YieldPoint® specialist, you'll be collaborating with knowledgeable advisors who are committed to helping you find new ways to increase your profit per acre. Working together, we'll help optimize your water management and investment in crop protection products, fertilizer and water resources.

## CHS YieldPoint® specialists can help you succeed with:

- Directing variable rate application based on customized maps
- Putting the latest precision-based equipment and technology to work on your farm
- Seeding
- Fertility
- Tiling/drainage
- Tillage
- Water-use optimization

## Ask us about variable rate maps based on:

- Infrared
- Yield
- Grid/zone soil test results
- Electrical conductivity
- And more

**Discover the CHS YieldPoint® solution for success.  
We will help you increase profit potential with  
leading precision ag offerings through local  
experts with global connections.**

## CHS YieldPoint® specialists help you succeed with:

- CHS YieldPoint Sampling – Grid and zone sampling
- CHS YieldPoint Prescriptions – Planting and fertilizer prescriptions
- CHS YieldPoint Tissue Sampling – Crop tissue sampling
- CHS YieldPoint VRT Spreading – Variable rate spreading of single or double products
- CHS YieldPoint Mapping – Planter and harvest mapping
- CHS YieldPoint Water Management – Integrated system approach to maximize water use
- CHS YieldPoint Data Management – From consolidating records to evaluating performance and setting plans

## Gain these benefits for your operation:

- In-depth reports on grower, farm, field or operational failures and successes
- Access to pooled data (providing a larger, more accurate database)
- Seed selection advice gathered from multiple experiences with hybrids in your region
- Industry-leading local data on new products gathered through our YieldPoint field trials process
- Ability to manage risk with more accurate information
- Prescriptions based on local data
- Relationships with local advisors



# CHS YieldPoint® Electrical Conductivity Mapping



Soils can be dramatically different from the top to the bottom of the root zone. With electrical conductivity (EC) mapping, sensors are utilized to measure values for topsoil and subsoil. (The higher the clay content, for example, the better the soil conducts electricity and the higher the EC number.)

CHS YieldPoint® specialists will measure soil characteristics that impact crop growth and placement of your inputs. We are utilizing this technology to measure texture and porosity, water holding capacity, salinity, organic matter and topography.

## With this data, we'll help you optimize:

- Fertility programs, including variable rate fertility
- Planting populations, including VR planting
- Water management and moisture probe placement
- Drainage planning, utilizing slope, elevation and landscape data
- Tillage practice management
- Pesticide applications, including nematocides

## CHS YieldPoint® specialists can help you succeed with:

- Determining if EC data would benefit your operation
- Collecting data
- Interpreting results
- Developing zone maps
- Applying findings to precision practices
- Recording soil characteristic data

**Discover the CHS YieldPoint® solution for success. We will help you increase profit potential with leading precision ag offerings through local experts with global connections.**

## CHS YieldPoint® specialists help you succeed with:

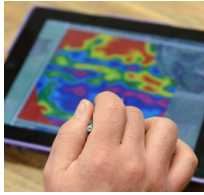
- CHS YieldPoint Sampling – Grid and zone sampling
- CHS YieldPoint Prescriptions – Planting and fertilizer prescriptions
- CHS YieldPoint Tissue Sampling – Crop tissue sampling
- CHS YieldPoint VRT Spreading – Variable rate spreading of single or double products
- CHS YieldPoint Mapping – Planter and harvest mapping
- CHS YieldPoint Water Management – Integrated system approach to maximize water use
- CHS YieldPoint Data Management – From consolidating records to evaluating performance and setting plans

## Gain these benefits for your operation:

- In-depth reports on grower, farm, field or operational failures and successes
- Access to pooled data (providing a larger, more accurate database)
- Seed selection advice gathered from multiple experiences with hybrids in your region
- Industry-leading local data on new products gathered through our YieldPoint field trials process
- Ability to manage risk with more accurate information
- Prescriptions based on local data
- Relationships with local advisors



# CHS YieldPoint® Precision Irrigation Management



Precision irrigation management takes an integrated systems approach to managing water application to help growers maximize water-use efficiency, increase their profitability and conserve natural resources. It's one of many key elements of a successful precision agriculture program.

Your CHS YieldPoint® specialist can help you calculate the appropriate water application based on: soil water storage ability, crop water needs, active root zone of the crop, and weather (using historical and current data plus future trends).

Our goal is to optimize water use and reduce nutrient deficiencies and overwatering, while maximizing the return on your investment.

## Mapping for soil electrical conductivity (EC)

A building block of precision agriculture — and precision irrigation management — is knowing more about the soils in your fields. One way to gather more information is through soil electrical conductivity (EC) mapping. Soil EC measurements typically correlate with soil texture, moisture and salinity. Soil texture is an important factor in crop yields because it determines water-holding and cation-exchange capacity, root depth, drainage and other properties affecting production. EC mapping helps take the guesswork out of crop inputs and water management.

## CHS YieldPoint® specialists can:

- Evaluate electrical conductivity (EC) data to determine soil variability
- Use EC data to create custom-management zones for your fields
- Determine optional moisture-probe location
- Develop custom recommendations for watering schedules
- Make decisions for root-zone optimization
- Create custom variable-rate irrigation programs for your fields

**Discover the CHS YieldPoint® solution for success.**

**We will help you increase profit potential with leading precision ag offerings through local experts with global connections.**

## CHS YieldPoint® specialists help you succeed with:

- CHS YieldPoint Sampling – Grid and zone sampling
- CHS YieldPoint Prescriptions – Planting and fertilizer prescriptions
- CHS YieldPoint Tissue Sampling – Crop tissue sampling
- CHS YieldPoint VRT Spreading – Variable rate spreading of single or double products
- CHS YieldPoint Mapping – Planter and harvest mapping
- CHS YieldPoint Water Management – Integrated system approach to maximize water use
- CHS YieldPoint Data Management – From consolidating records to evaluating performance and setting plans

## Gain these benefits for your operation:

- In-depth reports on grower, farm, field or operational failures and successes
- Access to pooled data (providing a larger, more accurate database)
- Seed selection advice gathered from multiple experiences with hybrids in your region
- Industry-leading local data on new products gathered through our YieldPoint field trials process
- Ability to manage risk with more accurate information
- Prescriptions based on local data
- Relationships with local advisors

