

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

