



Ag Services and Irrigation Management

Cascade Earth Sciences (CES) provides service and expertise in all aspects of agricultural water management. We strive to deliver technical solutions that are sustainable and practical, while also being cost-effective. With more than 40 years of experience, we have the skills and knowledge to improve your operation.



Irrigation Scheduling

The most important factor in healthy crop production is maintaining optimal soil moisture at every stage of crop growth. CES irrigation scheduling is matched to your site soils, crops, irrigation method and information needs. We will install, remove and maintain the equipment on your schedule. Soil moisture equipment is included in the service, so there is no hardware to buy unless you prefer to own it. CES equipment, service and software all together provide personal, science-based irrigation scheduling advice. Highlights include:

- Daily irrigation need
- 5-7 day irrigation forecast
- Color-coded dashboard
- Valley® BaseStation3™ interface
- Continuous monitoring
- Web and mobile access
- Tipping bucket rain gauge
- Satellite NDVI imagery



Recommended irrigation anytime

Providing services and expertise in all aspects of agricultural water management for over 40 years.



Variable Rate Irrigation

Variable rate irrigation (VRI) allows growers to better utilize irrigation water and avoid wet and dry spots in their fields. CES, in conjunction with Valmont Northwest, will provide a turnkey VRI solution complete with pivot hardware and specific field prescriptions. We will meet at your site, understand your objectives and provide a quote for speed control or zone control VRI. Our service options include:

- Field mapping and prescriptions
- In-season prescription updates
- Software and hardware bundled solutions
- Technical support

Professional Services

Our team of registered and certified engineers, agronomists, soil scientists and hydrogeologists have completed thousands of projects solving unique water management issues. We offer complete design, permitting, planning and problem-solving services. CES brings decades of experience and the resources of Valmont® Irrigation to provide effective and efficient water solutions.

- Engineering design
- Pumping and irrigation system efficiency and energy management
- Water source design
- Water quality treatment
- Nutrient management
- Soils and agronomy consulting
- Water rights assistance
- Permitting and regulatory compliance

