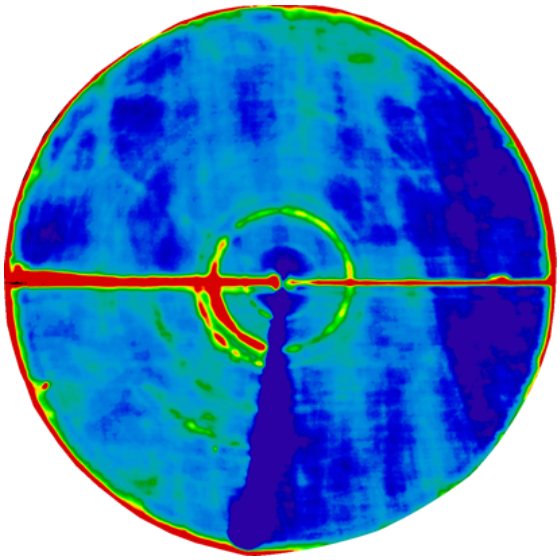
CeresAI

Root Vegetables Overview

We're the provider of choice for growers who want to get the most from every acre.

Growers of sensitive root vegetables know it only takes a single missed application, brief episode of water stress, or unnoticed equipment issue to impact uniformity and yields. Scientific-grade imagery allows Ceres AI to offer timely insights on the health of your crop—so you can protect your bottom line.



Ceres' Water Stress Index showed low vigor due to a sprinkler issue that eventually led to field damage.

Use Cases

DETECT IRRIGATION ISSUES

University of Idaho Extension research has found that "over-irrigating by 20 to 30 percent during the growing season can reduce ... yield, quality, and fertilizer use efficiency." Our proprietary Water Stress Index is a powerful tool for detecting incorrect nozzle sizes, pressure issues, spoking, streaking, and clogs that manual inspection or moisture probes may miss—before they impact yield or quality of the crop.

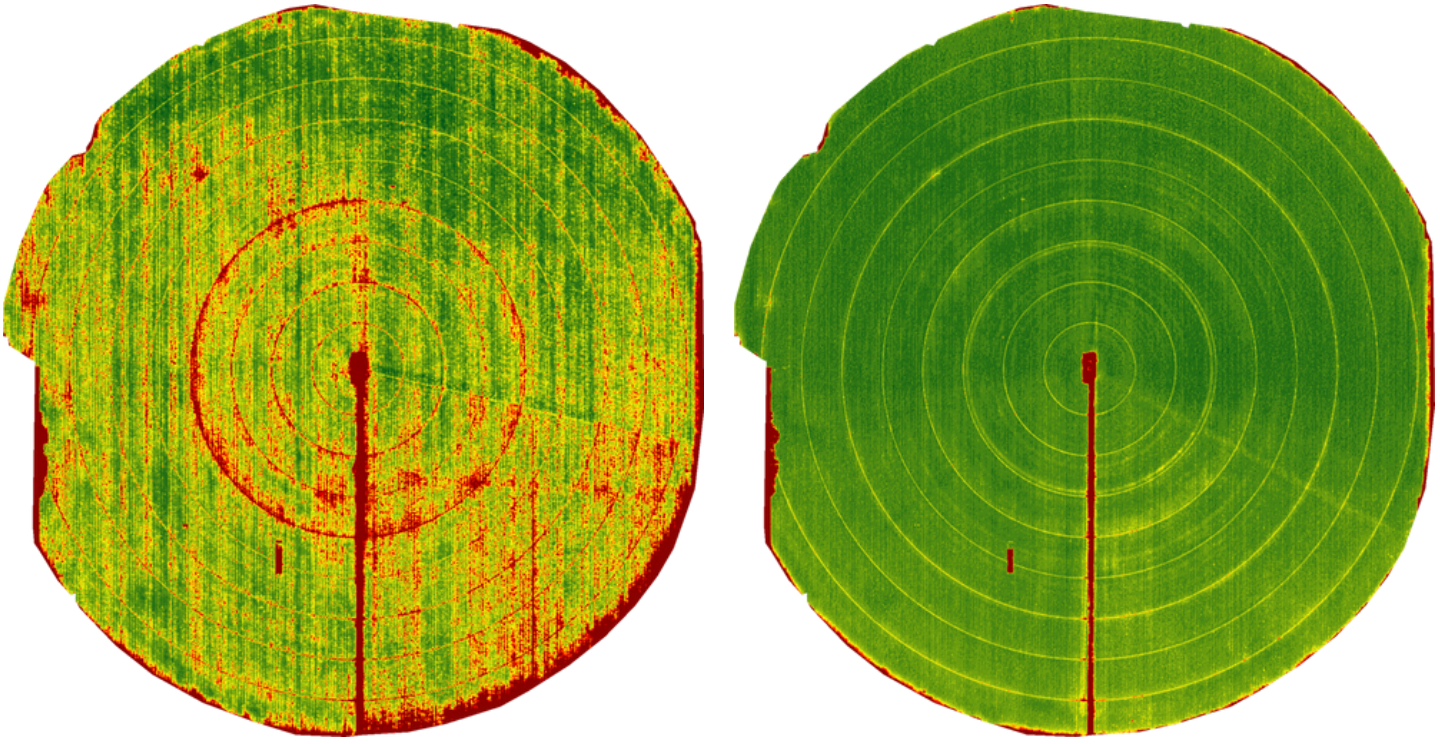
MONITOR NUTRIENT LEVELS

Gain in-season insights on nutrient uptake after row closure. Our proprietary Chlorophyll Index combines near-infrared and visible spectra to reveal issues not visible in traditional NDVI imagery—for example, as a result of missed applications or improperly calibrated planters.

> "Ceres AI helped us to detect irrigation issues we couldn't visually see early in the season. Thermal imagery is extremely important in the early stages of crop development for determining sprinkler problems."
>
> **John Vaadeland**
> Agronomist

BARE-SOIL MAPPING

Our scientific-grade color infrared (CIR) imagery provides a comprehensive view of soil variations that may affect uniformity. More efficient and more accurate than grid sampling, maps created from aerial imagery help growers reduce input costs, create precise VRA zones, and detect early-season emergence issues.



From Imagery To Action

These images show the before and after of field damage (left) that was then fixed a month later (right) due to correcting water issues. Detection of damage was found using Ceres' Colorized NDVI imagery.

Risk Insights for Sustainable and Profitable Agriculture.

Contact us today to learn more!

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