

A key to better turf health is to identify stressed areas before they are visually noticeable. We use a turf sensor developed by Holland Scientific that is capable of sensing the health of the turf. Since the sensor data is collected using a GPS we are able to generate turf health maps that guide us to potential problems areas.

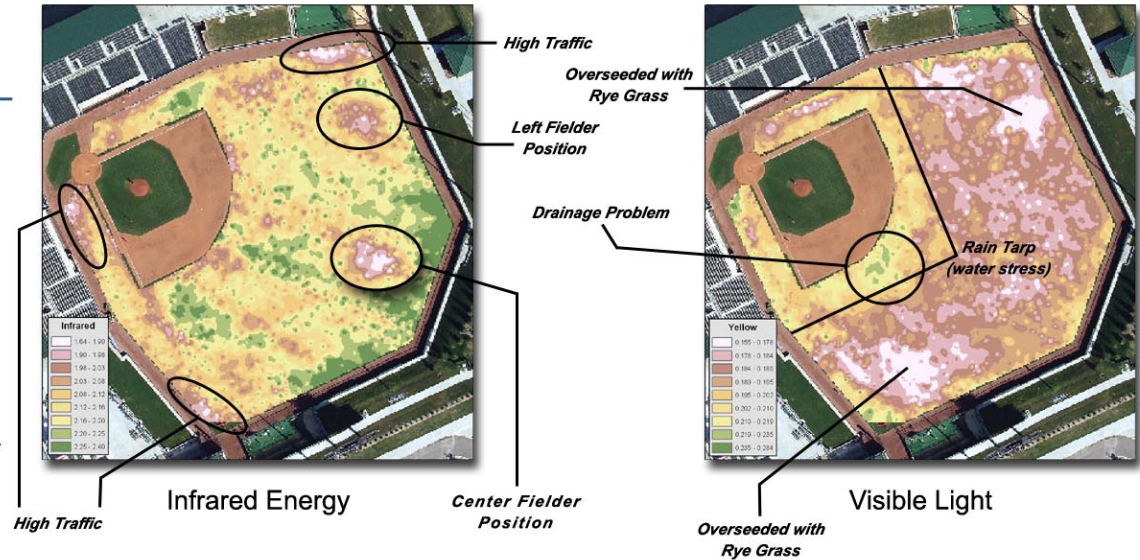
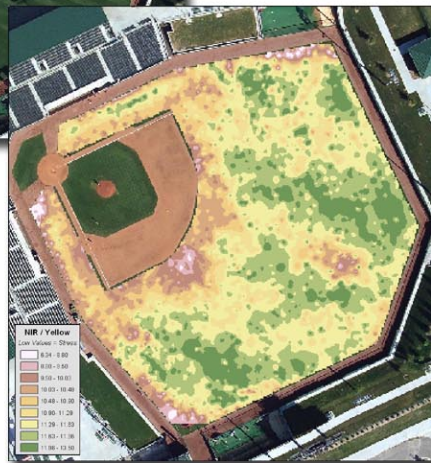
The Crop Circle ACS-210 sensor senses visible light and infrared energy. The maps illustrate different spatial variability through the ball diamond. The infrared band is able to identify turf stress manifested by cell structure within the turf blades. While the visible light identifies turf quality by distinguishing areas of different shades of color, which is affected by chlorophyll content.

*Aerial photograph captured at 6-in resolution*



**TURF MAPPING**

*Simple ratio of infrared to visible light. The derived map illustrates areas of interest that the turf manager should investigate and address the issue through remediation.*



Cornerstone Mapping has extensive experience integrating emerging technologies to support practical mapping applications. We offer consulting services to help clients identify the best options from PDAs and software to GPS selection and accessories. Our goal is to maximize client satisfaction through quality training and technical support.

Mapping and data interpretation services are also available for clients that are not able to process the data they collect. The sensor data can be seamlessly integrated into your GIS that may contain aerial photography and assets such as underground irrigation.

Contact Aaron Schepers to discuss your mapping and technology needs.

Aaron Schepers President	phone: (402) 450-3194 email: <a href="mailto:aschepers@cornerstonemapping.com">aschepers@cornerstonemapping.com</a> web: <a href="http://www.cornerstonemapping.com">www.cornerstonemapping.com</a>
-----------------------------	---