



## NEW TECHNOLOGY IN TURF MANAGEMENT

# FACT SHEET

### Remote Sensing Using Hyperspectral Imagery. (288 bands of Infrared Light)

The use of Remote Sensing in turf management is state of the art technology that aids the superintendent in "early detection of plant stress". Using the latest technology in infrared remote sensing mounted on a plane to capture a birds eye view of the course. Managers can then zero in on selected areas of a course and give priority to those areas based on the degree or severity of the abnormality that is demonstrated by the imagery.

Digital Hyperspectral Imagery uses 288 bands of Infrared sensor to detect and identify spatial variability within an area. With less than one meter differential GPS reference, the grounds crew is able to pin point and detect growth abnormalities days before they would become noticeable to the human eye.

With this early warning mechanism in a well rounded program, the superintendent can react to problems in the early stages when corrective measures or amended management practices may reduce problems or disease.

This information also becomes a valuable tool in long term management of the course in defining visually the degree of variability over the course. The image produced will provide the Superintendent with a complete survey of the variability and problems areas with full definition.

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