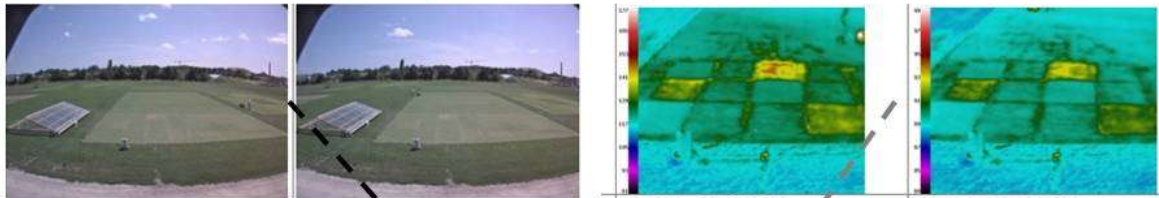
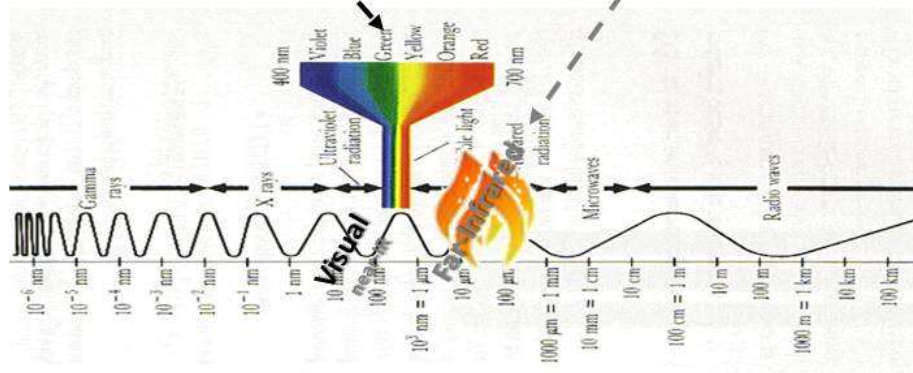


The Agricultural Imaging Spectrum Used by Hawk-Eye™ Systems



Visual – reflected light

Thermal – emitted heat



There are no boundaries when enthusiasm and excitement are applied to the task at hand.



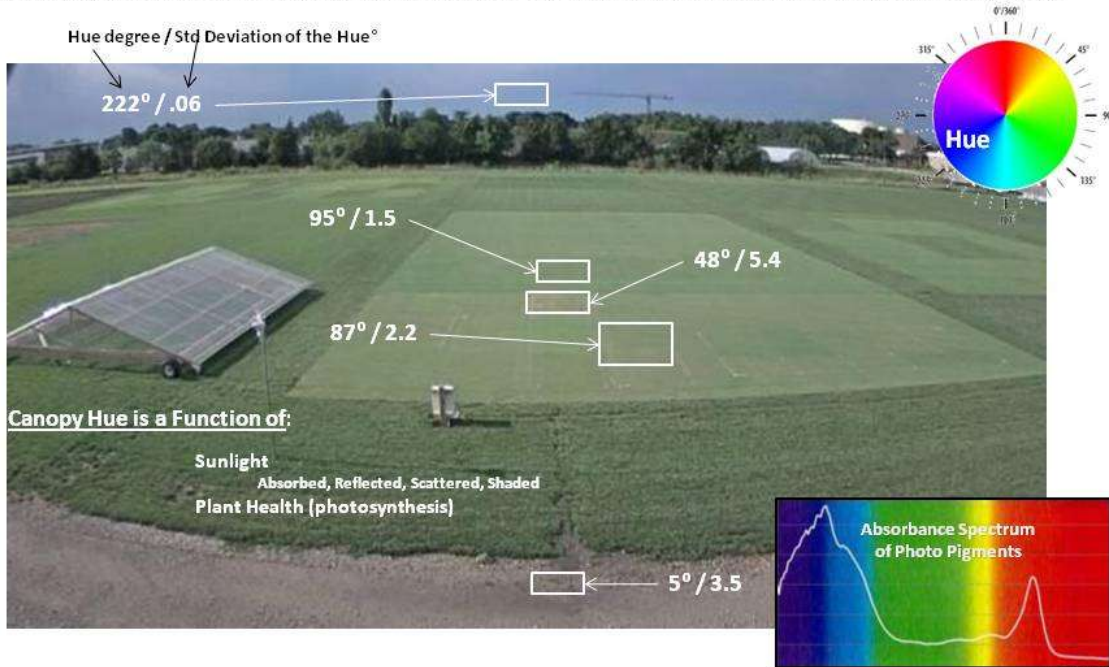
Visual image data considerations are described in [Quantifying Turfgrass Cover Using Digital Image Analysis](#), M. D. Richardson, D. E. Karcher, and L. C. Purcell.

The average green hue degree of a stand can be representative of the turf vigor and density. It can also be an indicator of the chlorophyll distribution.

The Hawk-Eye™ System considers the deviation of the green hue degrees in a subject area as an objective definition of the homogeneity of the turf surface. This approach allows for an objective measurement of quality. The Hawk-Eye™ System measures color during the day to establish the Hawk-Eye™ System's **Quality Index**.

Hue^o / Color Measurement

Std Deviation of the Hue^o is an objective measure of Quality (Plant Canopy Density & Homogeneity)



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