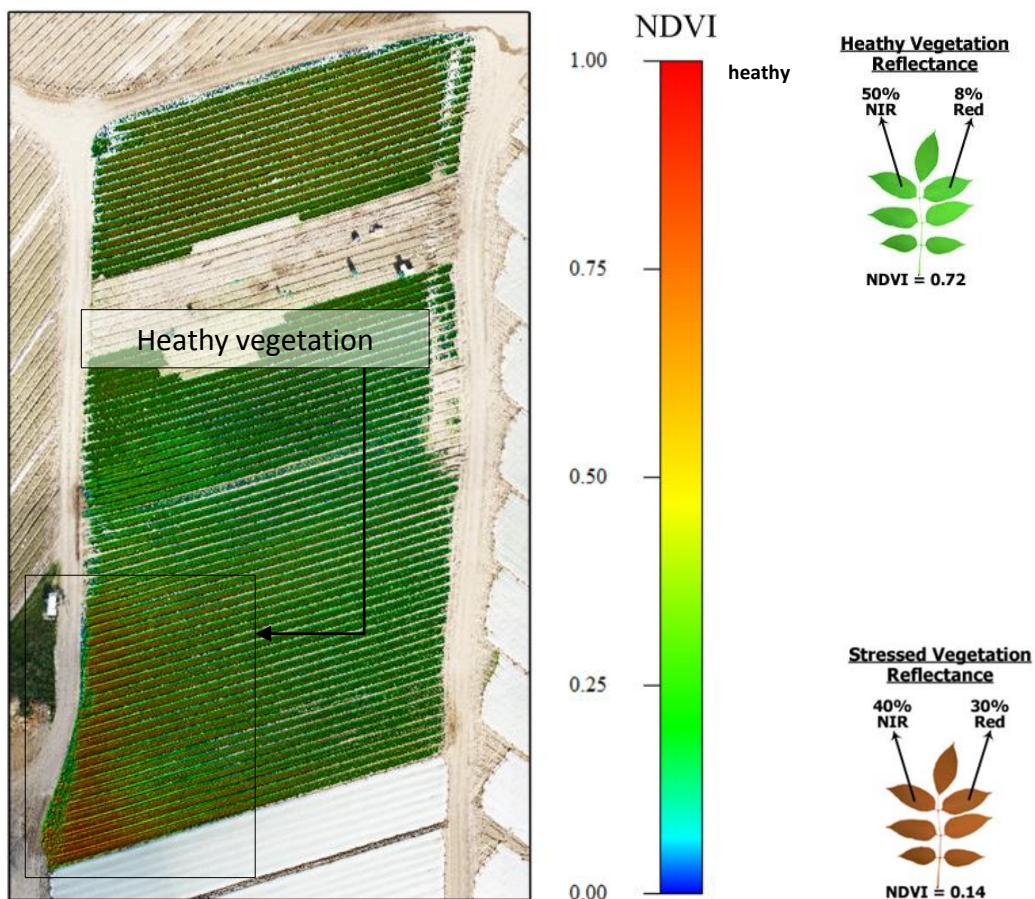


The Normalized Difference Vegetation Index, also called NDVI is built from red band (R) and near infrared (NIR) . The Normalized Difference Vegetation Index highlights the difference between the visible red band and near infrared . $NDVI = (NIR - R) / (NIR + R)$. This index is **sensitive to vigor and amount of vegetation**.

The NDVI values are between -1 and +1, with negative values corresponding to surfaces other than vegetation cover, such as snow, water or clouds for which the reflectance in the red band is higher than near infrared. For bare soil reflectance is roughly the same order of magnitude in the red band and near infrared, NDVI has values close to 0.

Vegetation meanwhile, have positive values of NDVI, generally between 0.1 and 0.7. The highest values corresponding to the densest vegetation.



Drones Imaging Normalized Difference Vegetation Index NDVI