

# The Future of Precision Agriculture With Unmanned Aerial Vehicles

The AgEagle UAV (Unmanned Aerial Vehicle — or drone) is designed to instantly provide an “eye in the sky” image of any type of plant matter — crops, orchards, pastures, plantations, etc.

Using the Near Infrared light spectrum, the Ag Eagle turns geo-referenced photos into an NDVI map indicating plant health. This map can be used to identify key problems in a crop or field even while on the farm. These problem areas can then be treated for what ever deficiency is identified.

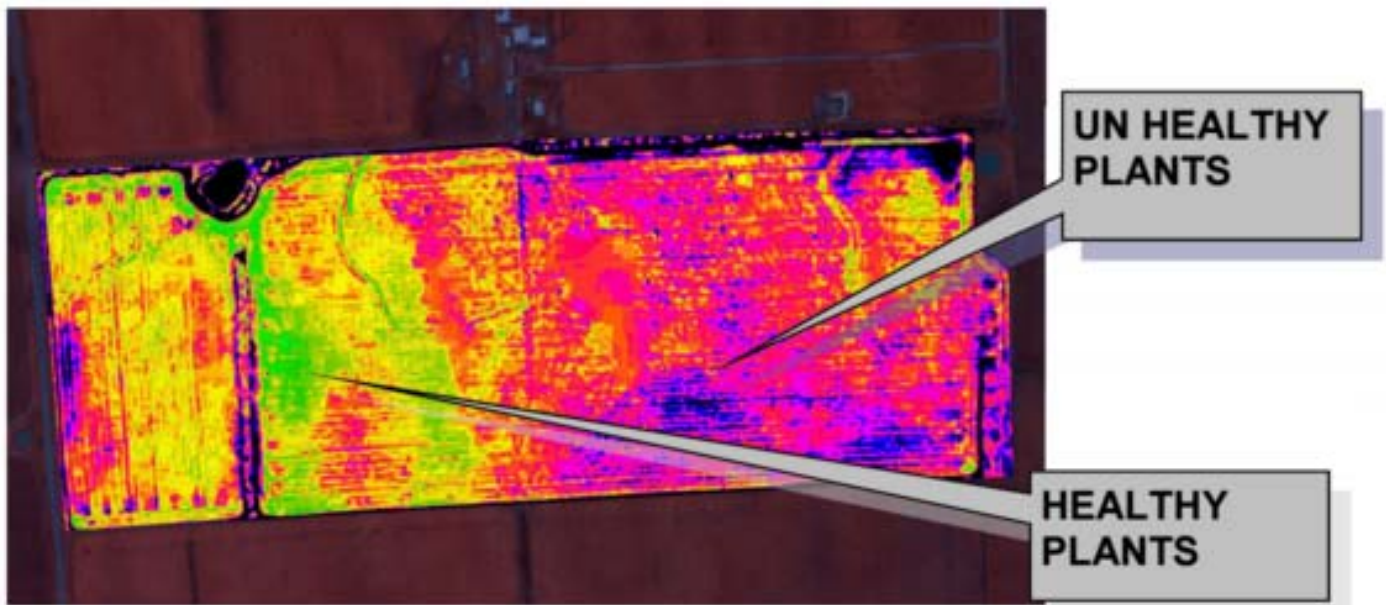
The AgEagle NDVI imagery can be converted into variable rate (side dress) fertiliser prescriptions that save chemicals, time and money, improving the yield of low performing sectors. With the high resolution of this imagery, orchardists can even treat individual trees.



## NDVI EXPLAINED

*NORMALISED DIFFERENCE VEGETATION INDEX*

All plants absorb and reflect radiation. In the **near infrared** spectrum, there is a specific colour range that indicates a healthy plant. Colours outside of this range indicate plants “under stress”! A high definition NDVI image can identify problems the human eye simply cannot see.



Ask us about an obligation-free demo of NDVI imagery on your property



**QUEENSLAND  
DRONE  
PHOTOGRAPHY**

- NDVI crop imaging and crop surveys
- Orthomosaic and 3D terrain mapping
- High resolution colour photography
- Cinematic quality 4K aerial videography
- Infrastructure and industrial inspections



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