

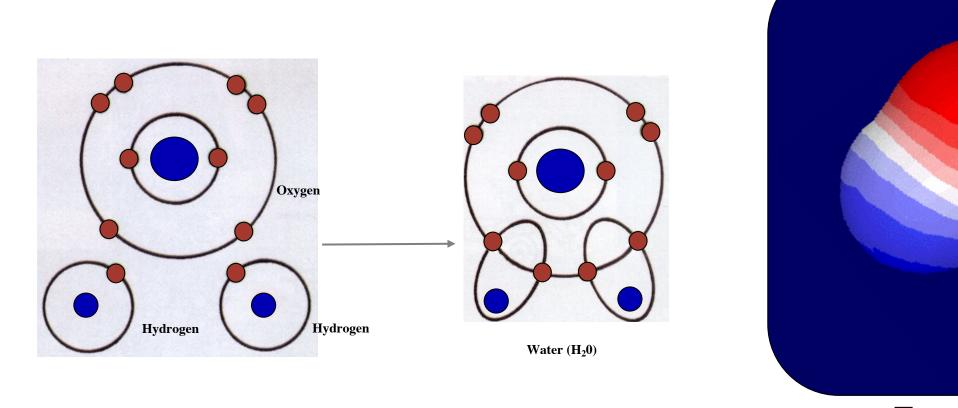
Lessons from Australian Drought David McGavin & Greg Butler



A) In season drought

B) Drought on drought

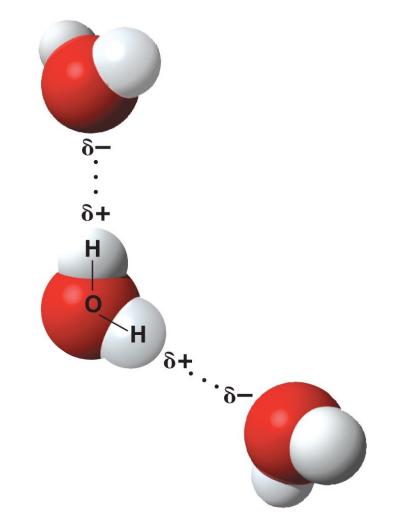




Negative polarity

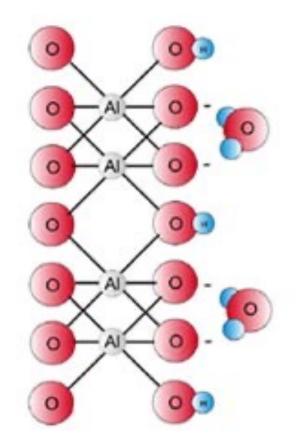
Positive polarity







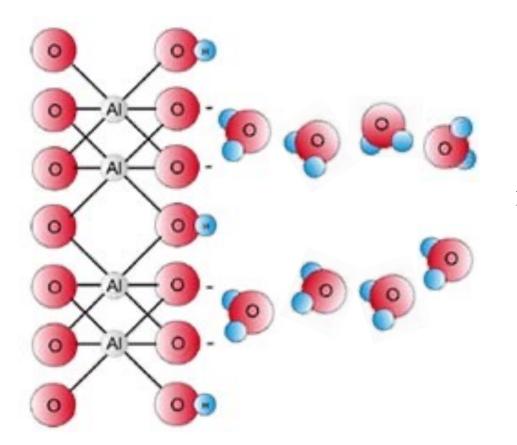
Soil Surface



Plant unavailable water



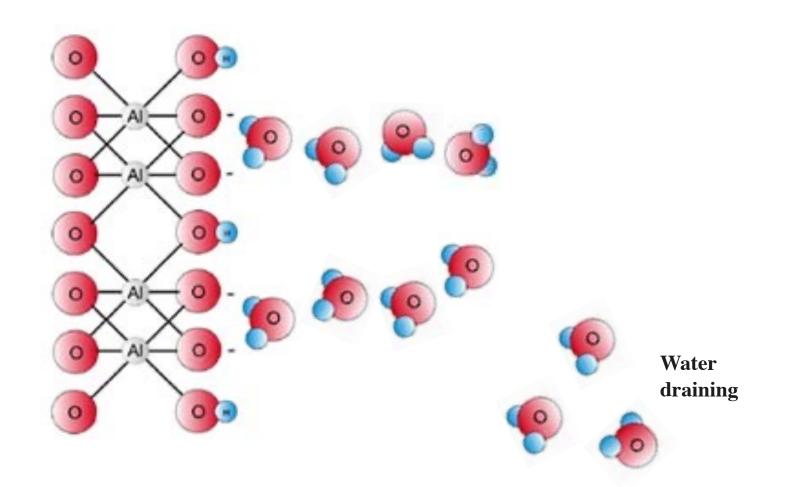
Soil Surface



Plant Available Water

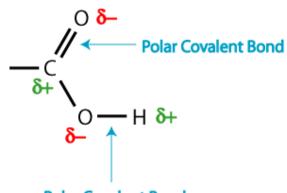


Soil Surface

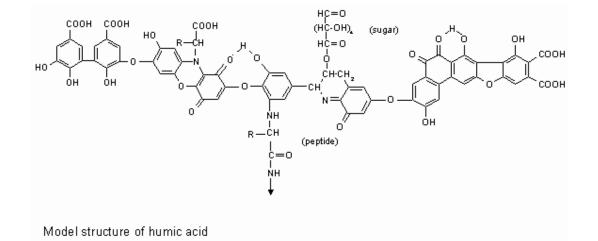




Carboxyl group

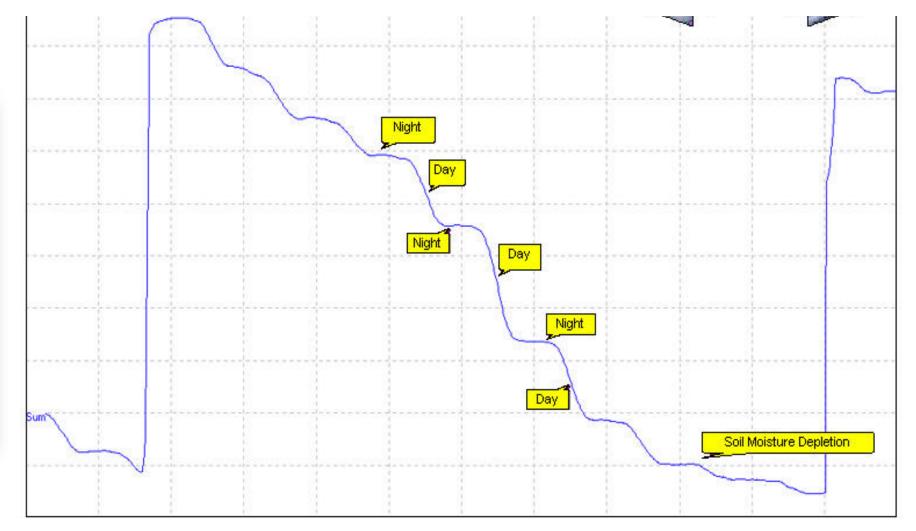


Polar Covalent Bond

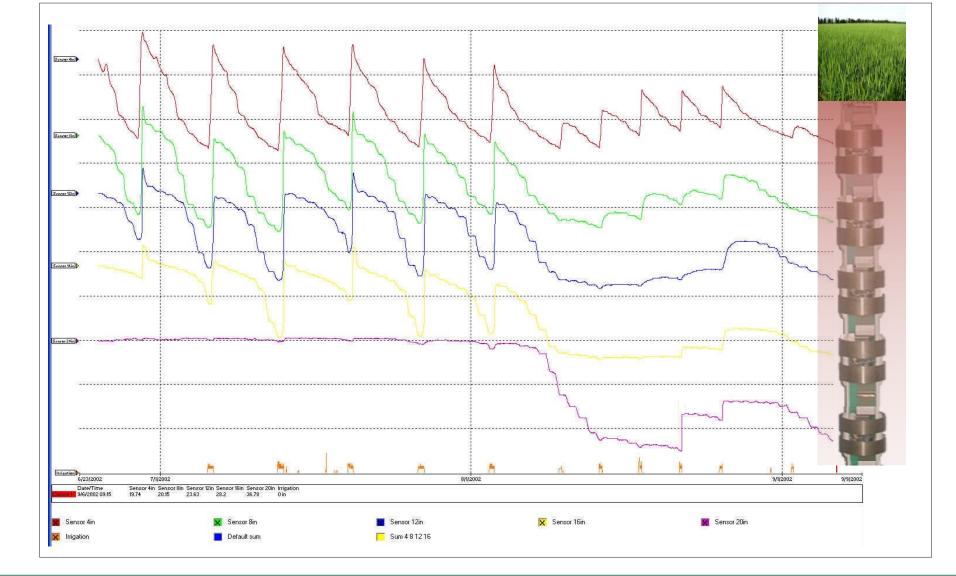






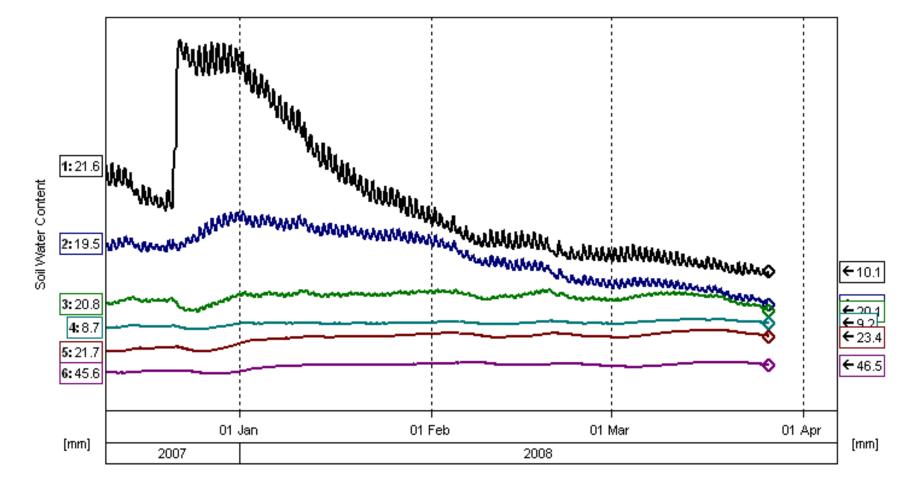








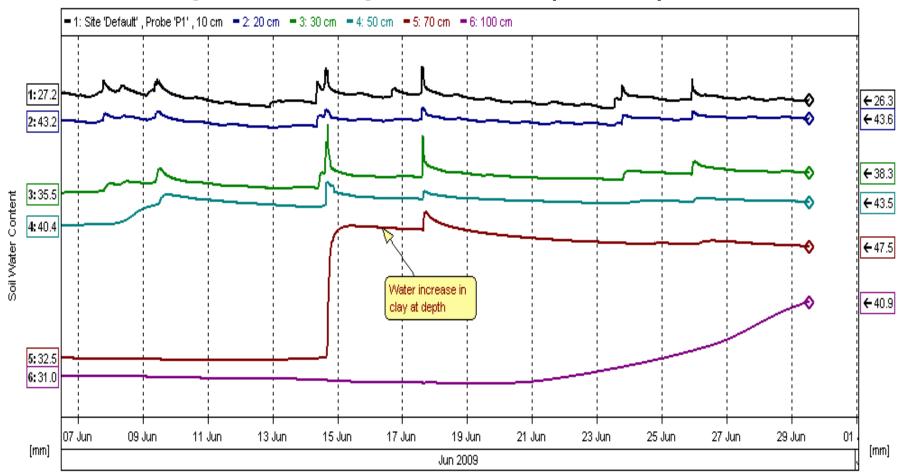
Loss of moisture from shallow summer rainfall



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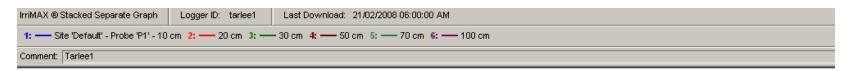


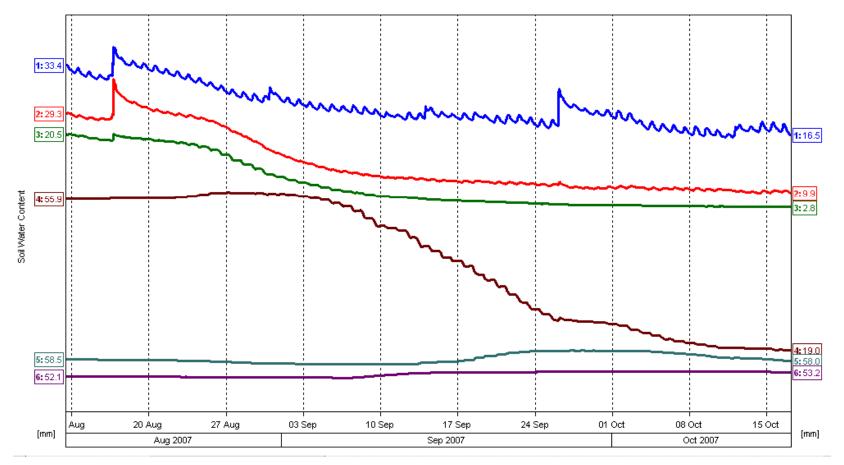
Deep moisture penetration (Winter)



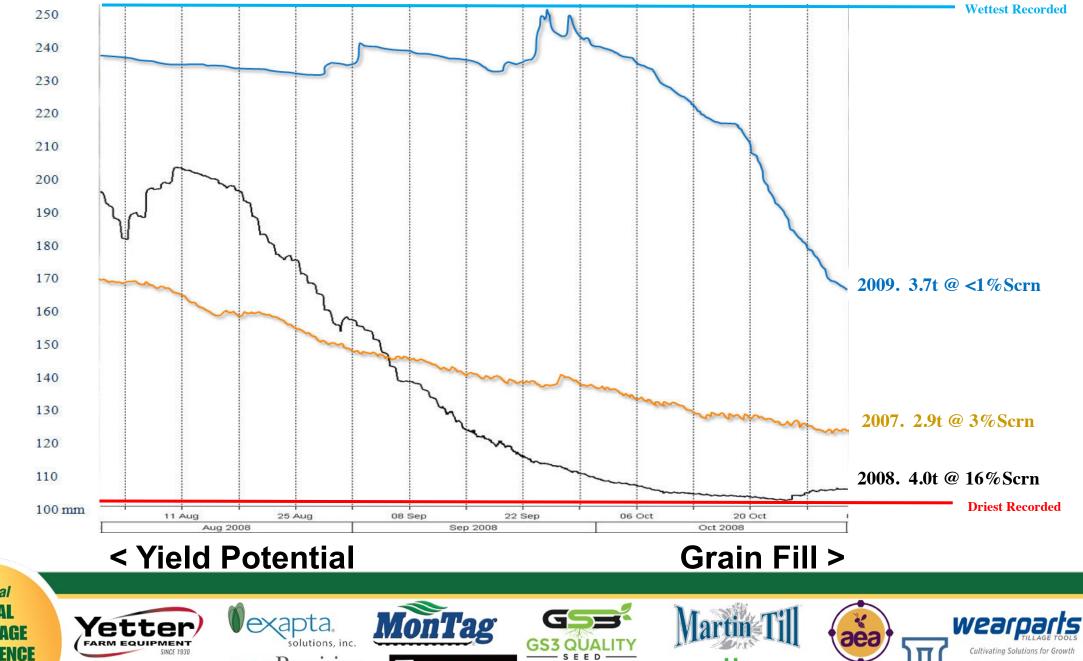
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Sound 😽





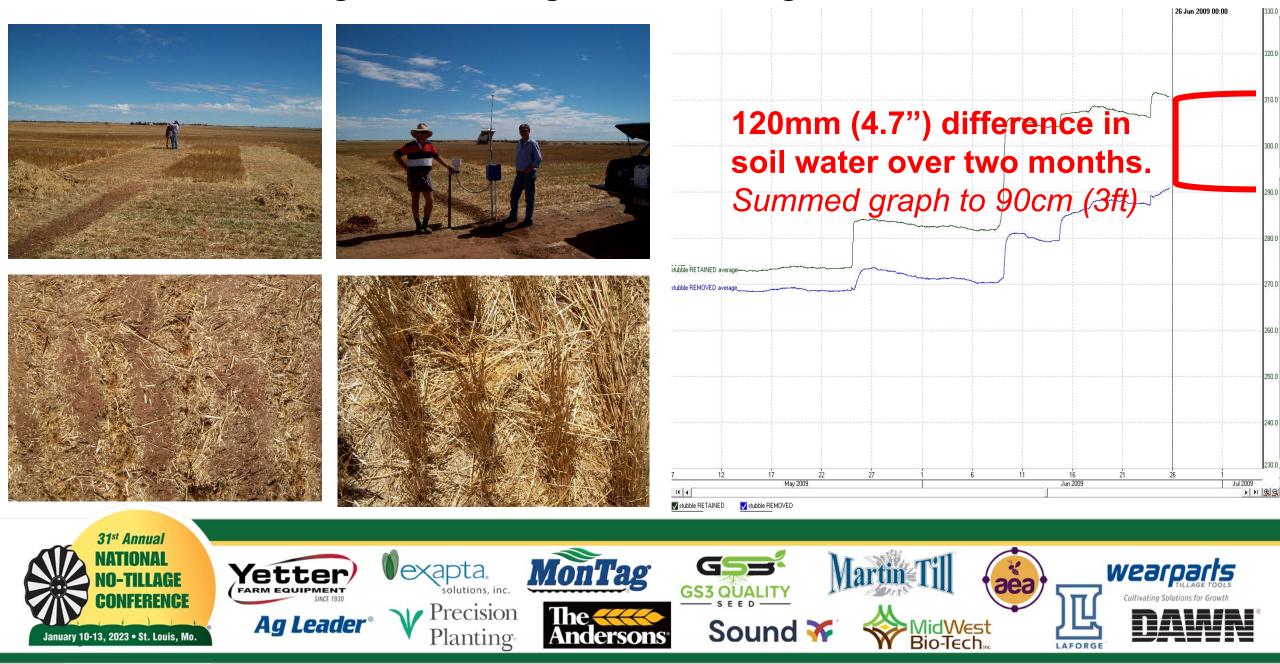


groundcover, groundcover & groundcover

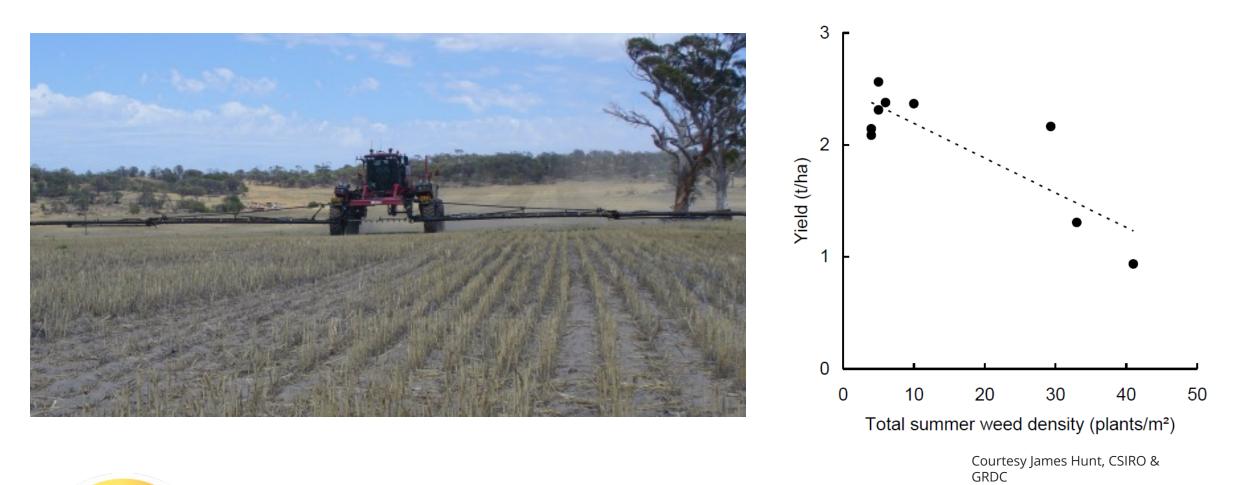




groundcover, groundcover & groundcover

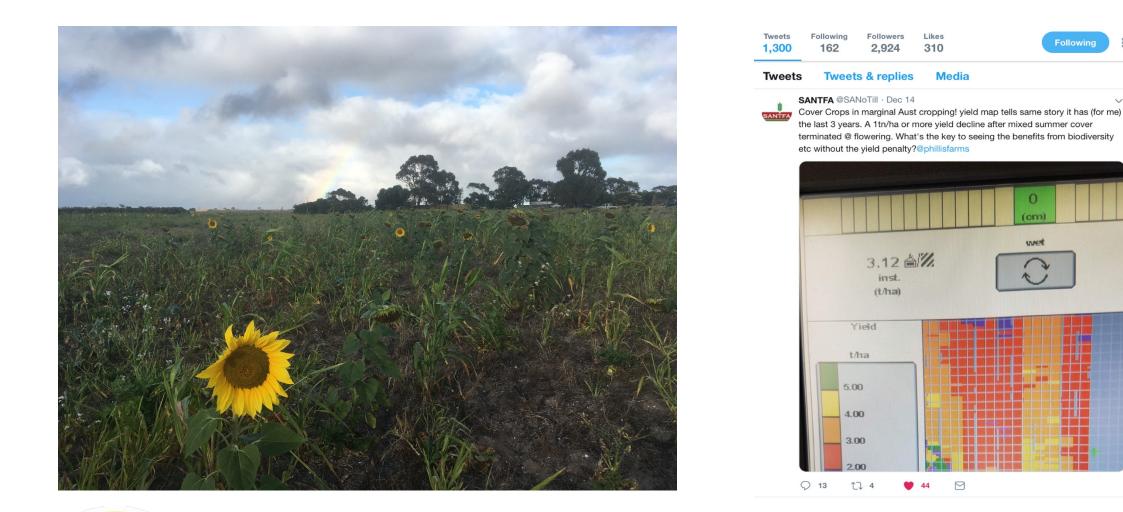


Summer Weed Control





Summer Cover Crops





Companion and Intercrops





Baling: Failed Crops and Straw.





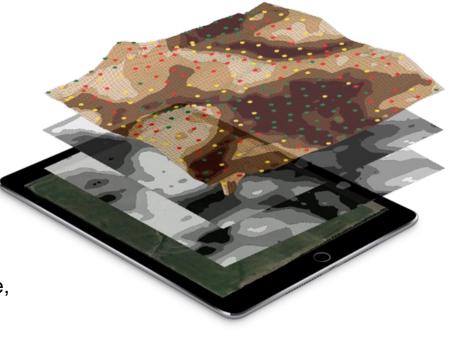
Measure

Organic Matter

Soil OM is both evidence of previous productivity and a driver of future yields. The increased water availability, soil structure and nitrogen mineralization are keys to guiding inputs.

Multi-depth Texture (EC)

Measuring soil electrical conductivity is a proven method of mapping soil texture. The major driver of water holding capacity, Cation-Exchange Capacity (CEC), drainage, topsoil depth and nutrient use, loss, and storage. Recording EC at several depths provides these insights throughout. the rooting zone.



Soil pH

Nutrient use, crop growth, and herbicide activity are all affected by the pH of the soil. Extreme variability within fields demands the dense sampling of on-the-go soil sensing.

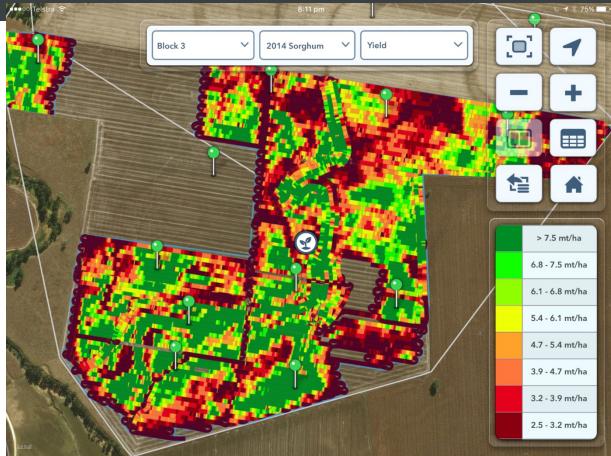
U Series



Veris Soil EC and OM mapping is now available in a compact yet powerful package. This reduces the total equipment investment and widens the mapping window.

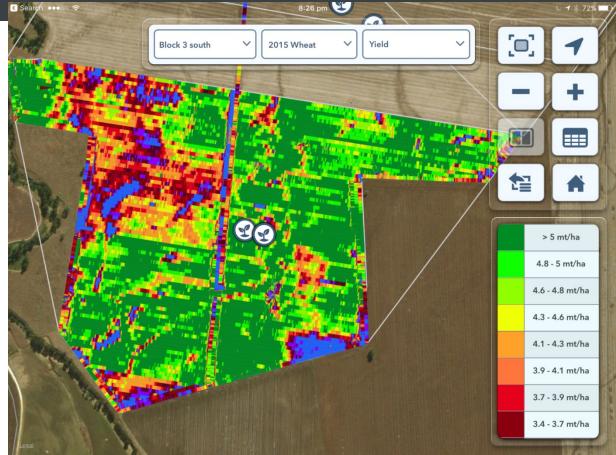


Map Layers





Map Layers





Map Layers

