UAV use and adoption in Australian agriculture

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Fly Safe! (know the rules) Don't become tomorrow's headline!

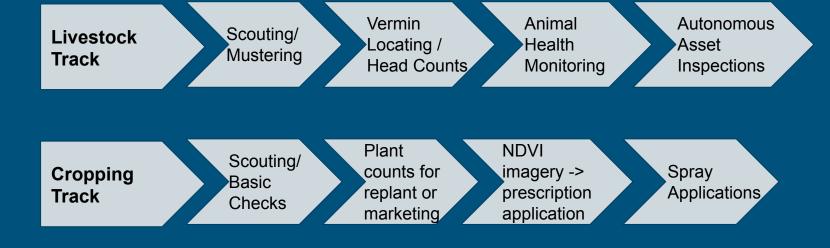
Watch out for these guys!!

Ag pilots, military and rescue aircraft are fast & will be upon you before you realise.

Might not seem a bit deal to fly further than you can see - but what if...?



What does the adoption of UAV's in #AusAglook like?



What does industry want from drones & the data they produce?

- Are there Tangible Benefits?
 - o Realistic?
 - Actionable?
- Increased Productivity &/or Profitability Key Drivers to adoption
 - Decreased inputs
 - Decreased time spent on a job
 - Increased profitability of an output
- TIMELY data availability & action
- Build on data already collected without adding it to the 'DATA TOMB'
 - soil/planting/harvest/spraying

Limitations - what holds back adoption?

- Feeling that technology is being overhyped
- Too difficult to implement or concern about learning curve involved
- Type of technology is outside their area of interest
- Connectivity the farmer might be connected but the hectares aren't
- Concerned about the actual benefits
- Can't see that this tech will provide a productive or profitable outcome

Adoption - where are farmers getting their info?

Decision Influencers - i.e. Consultant Agronomists, input suppliers, neighbours and friends, RDC's, extension officers.... The list goes on...

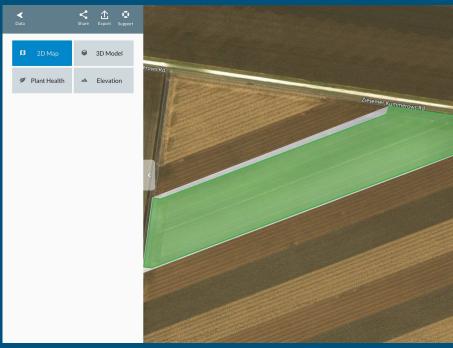
Field days, grower groups and conferences

Social Media - Twitter / YouTube / Facebook

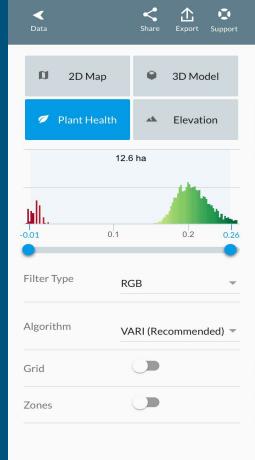


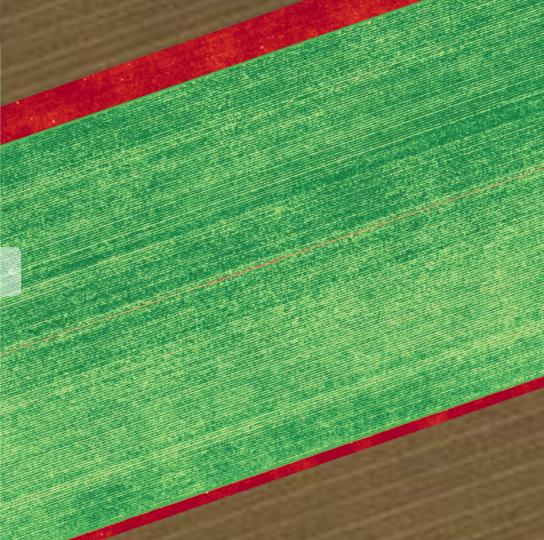
UAV adoption in #AusAg today



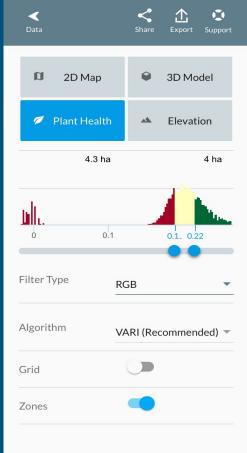


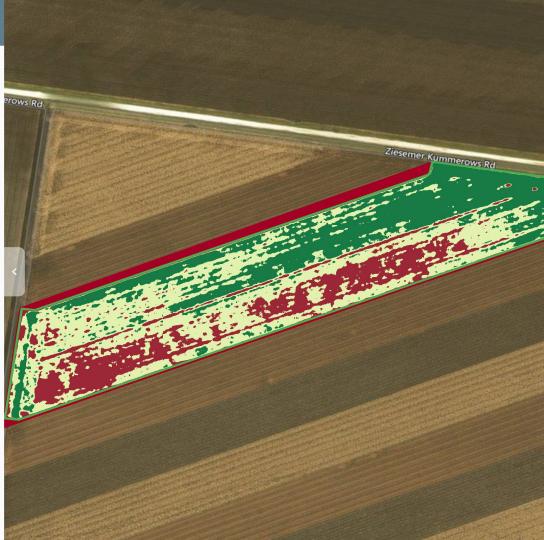
Crop Health





Zones -VR Tech





Aside from the 'tech' - what else? SHARING YOUR FARM STORY & SOCIAL LICENCE...



Pointers for the UAV Industry & those wanting to implement the use of drones on farm

- UAV Industry Knowledge & Understanding of the industry you are heading into...
 - O Spraying of Broadacre crops?
 - O Replacing agronomists?
- Potential Users Get knowledge from reputable sources
 - What regulations might surround the use of a drone...?
 - CASA?
 - o Privacy Laws?
 - Other Government Agencies EPA/Biosecurity/APVMA?

The Future?

Farm Centric Innovation Model (Pete Nelson - AgLaunch)

Involve farmers and their decision influencers in development don't develop in isolation from your end user...

Tangible Benefits
Sustainable profitability & productivity

Ownership of Data & Associated IP - Retained by farmer - data is the new gold / oil

Food Provenance - sharing the story of ag to end users

BVLOS - safely

Extended Battery Life



Thanks!

