


High Resolution imagery for “Forensic Agronomy”

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Who are CTF Solutions?

- Advice on CTF and PA adoption
- Services:
 - GPS selection
 - CTF Machinery
 - Topographic mapping
 - Yield map interpretation
 - GIS layering of data
 - Satellite imagery
- 820,000Ha of high resolution imagery


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Key learning's

- High resolution imagery (2.5m pixel or less) describes crop variability better than any other commercial proximal or remote sensing tool
- Lots of variability is caused by farm/farming operations
- Don't muck about with poor quality imagery if you are operating on a farm scale (many issues)
- NDVI, GAI, SVI/PCD gave similar results
- Timing of imagery in dryland not that important except where you are targeting a particular indicator
- Change detection analysis was of limited value and very difficult to do practically on 1m pixel scale
- Good mosaicing important (not just straight lines)

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Satellite imagery

- Cost effective: \$0.39/ha for 0.6m data which includes:
 - New capture
 - Processing
 - Web delivery....(minimum areas apply)
- Nearly real-time
- 4 bands allow for true colour and analysis
- Cloud and high demand are problems

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