



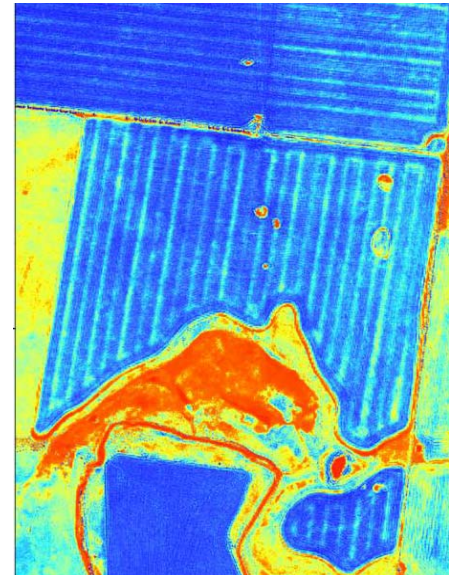
on track to improved profit and lifestyle

SATELLITE IMAGERY

CTF Solutions in recent times has focused on high resolution satellite imagery to help make changes in crop production, resource management and farm management. In the past four years we have captured over 850,000 Hectares of high resolution imagery across Australia.

We have detected many issues relating to crop production including:

- Nutritional disorders (particularly Nitrogen)
- Paddock history effects (fence lines, headlands, etc)
- Grain harvester windrow effects
- Missed fertiliser striping
- Random wheel tracks and soil compaction from previous operations
- Water logging and poor drainage
- Sowing problems
- Varietal responses
- Pest damage
- Manure responses
- Missed fertiliser (DAP and Urea)
- Planter blockages
- Weed patches
- Crop diseases (Rhizotonia, Nematodes), and also
- Consistent areas that are growing well



The satellite that **CTF Solutions** uses is one of most detailed satellites that is commercially available, and has a pixel size of 80cm (which means the smallest definition on the ground is 80cm x 80cm). The satellite has 4 bands (or light wavelengths). These are Blue, Green, Red and Near Infrared. Blue, Green and Red gives us a colour image that looks like an aerial photograph. Near Infrared is the same wavelength that is used to detect many factors in agricultural crops, and is beyond what our eyes can see. It is the critical part of the imagery which tells us a lot of information about the crop and how it is performing.

PRICE AND AVAILABILITY

CTF Solutions sees the price of the imagery as an investment in improving your farming system, and is much cheaper than many other operations you conduct on your farm.

The price is \$0.50/Ha (minimum 5000Ha) plus GST. This includes image capture, processing, and delivery over a “webinar”. The main limitation with imagery is clouds, and we have to purchase the image if it is less than 20% cloud. Contact us: www.ctfsolutions.com.au or phone **Tim Neale 0428157208**