

Multispectral Imaging for Precision Viticulture

What is multispectral imaging?

- Multispectral imaging is a powerful tool for understanding the variability within your vineyard.
- Data comes from a four band aerial camera (red, green, blue and near infrared bands).
- Acquired by a manned aircraft (not a UAV!).

What can I use it for?

- Mapping variability in canopy vigour within a vineyard.
- Relating this variability to grape quality.
- The two main uses are:
 - Managing and reducing variability
 - Split picking

Do I need experience of precision viticulture?

- Absolutely not! We have teamed up with top viticulture consultants to provide you with support should you need it.
- We provide data in an easy to use form: once payment is completed, simply log on to the members' area of our website to view your vineyard online.
- We also supply data in a format readable by Apple and Android mobile devices.

Can I be sure it will increase my profits?

- Data suggests that in most cases, split picking should generate large profits: for a 10Ha block, between \$3,000 and \$10,000 advantage over uniform picking (after additional costs considered).
- Growers using multispectral imaging for targeted management saw up to 50% reduction in quantity of necessary mulching in the first year.
- Like all viticulture, the advantages of using multispectral imaging can be changeable...
- ...but at only \$30 per Ha, it is relatively low risk.

What next?

- Go to our website and [request a quote](#)
- We'll get in touch to discuss your needs.

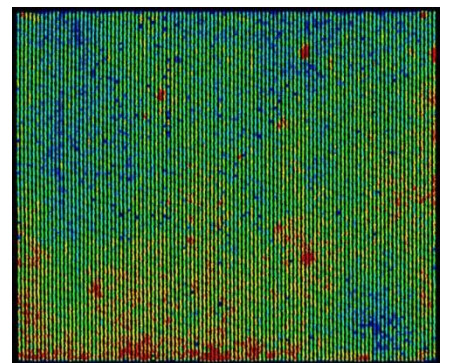
Who is Remote Sensing Australia?

- A business unit of Spatial Scientific Pty. Ltd.
- Over ten years experience in multispectral imaging, and over five years in precision viticulture.

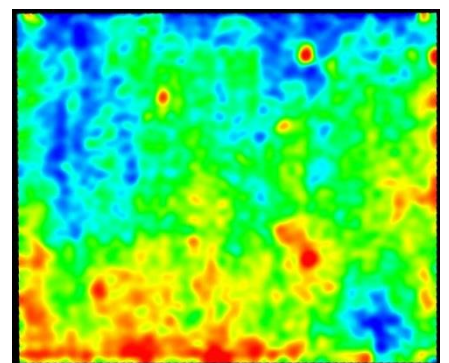
Natural colour image, 0.5m resolution



Vine health (red = high vigour; blue = low)



Mean vine health map



Derived split picking map (two zones)

