



OABS are very excited and proud to announce that we have started a new division “**Drone Base**”.

We now offer Agricultural Drone Services with the use of photogrammetry.

Photogrammetry is the science of making measurements from photographs.

The output of photogrammetry is typically a GEOtiff file, map or a 3D model of structures or terrain. Many of the maps we use today are created with photogrammetry and photographs taken from Drones.

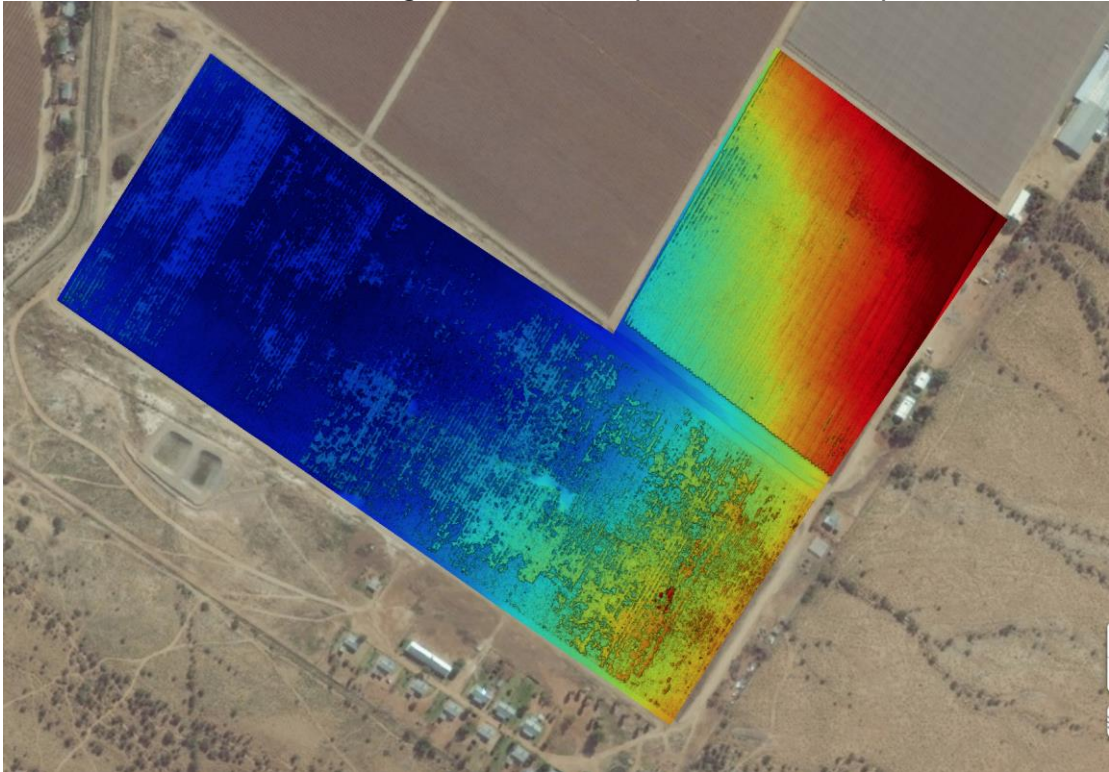
In **Drone Photogrammetry** the camera is mounted on a Drone and is usually pointed vertically towards the ground. Multiple overlapping photos of the ground are taken as the Drone flies along a flight path. These photos are processed and stitched together to form one merged Orthomap. The map (aerial photograph) are also used in automated processing for Digital Elevation Model (DEM) creation.

The following can be achieved:

- 2D Map



- Elevation Data making use of a multispectral colour map



- Plant Health using NDVI (Normalized Differential Vegetation Index) Contour

