Omnia
Precision Agronomy

TerraMap
High Definition Soil Mapping

What is TerraMap

TerraMap produces the world's highest resolution mapping layers at over 800 data points per hectare enabling growers and agronomists to make the most of precision technology.

X4

Measures Four Naturally Emitted Isotopes

The TerraMap system uses gamma-ray detection technology to map all of the common nutrient and physical soil properties.

The scanner, which is manufactured by Canadian company SoilOptix, measures four naturally emitting isotopes: Caesium-137 (C), Uranium-238 (U), Potassium-40 (K) and Thorium-232 (Th).

800 Reference Points Per Hectare

TerraMap produces the highest resolution soil mapping layers in the world at over 800 data reference points per hectare.

In comparison, grid sampling map layers have only a single data point per hectare.

Soil Samples Taken and Data Processed

The infield process of collecting the data is carried out in two very simple steps; scanning and collecting reference soil samples.

The raw scan, soil data and soil samples are then combined and processed to produce up to 28 high-definition soil property layers.

Benefits of TerraMap

TerraMap enables agronomists and growers to make better informed decisions for crop management and soil stewardship.

- Measures and maps common nutrient properties
- Defines soil textural changes within the field
- Provides more data points, greater definition and more detailed soil maps than any other system in the world
- Data can be used to produce variable rate application for seed and crop nutrition
- Tailored to the specific soil conditions with unprecedented accuracy

TerraMap services

Standard

- P, K, Mg, pH
- Clay%, Sand%, Silt%, Silt/Clay Fraction, Texture
- Elevation

Standard + OM

- Everything in Standard
- Organic Matter

Premium

- Everything in Standard + OM
- Cation Exchange Capacity, Elevation, Plant Available Water Index
- Calcium, Manganese, Sodium, Boron, Copper, Molybdenum, Iron, Zinc, Sulphur

Standard Carbon

- Everything in Standard + OM
- Organic Carbon (% & t/ha)
- Organic Carbon:Clay ratio

Premium Carbon

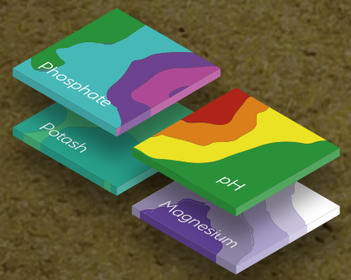
- Everything in Premium
- Organic Carbon (% & t/ha), Active Carbon (% & t/ha), % of Carbon that is active
- Organic Carbon:Clay ratio

TerraMap - Helping growers and agronomists realise the full potential of precision technology

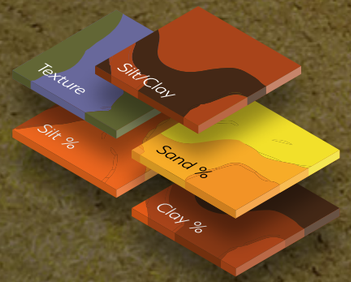
TerraMap is unique!

- 28 layers available including macro and micro nutrients
- 800 sample points per hectare giving the highest definition available
- Unrivalled soil texture and nutrient mapping for the most accurate variable rate application
- Not affected by soil moisture, compaction or crop cover
- Repeatable, consistent and reliable results

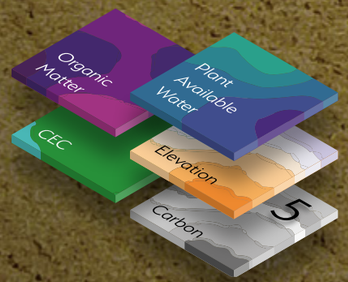
Standard Properties



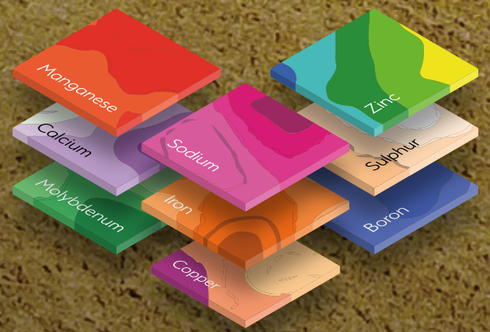
Soil Texture



Other Properties



Additional Elements



> TerraMap offers a big jump in accuracy
>
> Charles Parkinson,
> Manor Farm, Lincs.

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Crop Production Specialists