



TerraMap

Digital Soil Mapping

High Definition Soil Mapping



What is TerraMap?

TerraMap produces the world's highest resolution mapping layers at over 800 data points per hectare.

Why have one data point when you can have 800?



Soil Samples Taken and Data Processed

Data is collected by scanning and taking reference soil samples.

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



Measures Four Naturally Emitted Isotopes

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

The scanner, which is powered by SoilOptix® Technology, measures Caesium, Uranium, Potassium and Thorium.



800 Reference Points Per Hectare

TerraMap highlights in-field variations with clear digital maps at 800 data reference points per hectare.

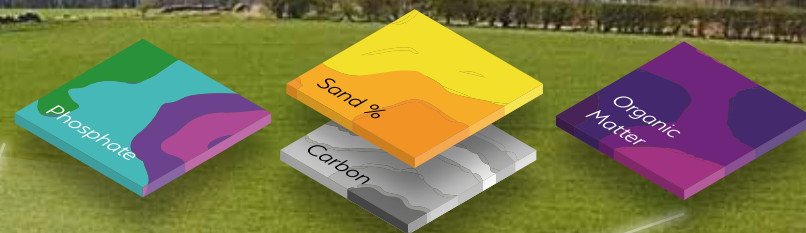
In comparison, grid sampling map layers have only one data point per hectare.



TerraMap high-definition soil mapping sets the standard for accuracy.

48 MAP LAYERS AVAILABLE

Nutrients, Organic Matter, Carbon, Soil Texture Profile



SoilOptix
Mapping
Algorithm



TerraMap is unique!

- › 48 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
- › Applications maps are compatible with a wide range of software

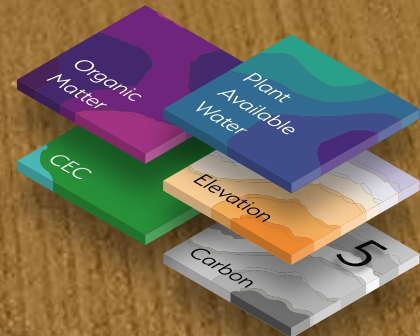
Standard Properties



Soil Texture



Other Properties





Additional Elements



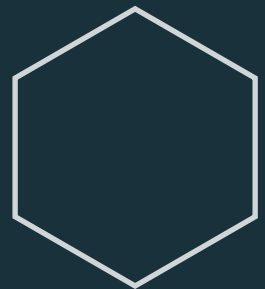
> TerraMap offers a big jump in accuracy

Charles Parkinson,
Manor Farm, Lincs.

Benefits of TerraMap

Your agronomist can help you understand your data and create tailored management plans quickly and easily.

- › 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

Premium Carbon

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

Standard Carbon

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

Gold

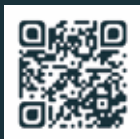
- › Everything in Premium
- › Buffer pH
- › Bulk Density
- › Total Elements: Calcium, Magnesium, Potassium, Sodium, Phosphorus
- › Calcium:Magnesium ratio
- › Available Elements: Calcium, Magnesium, Potassium, Sodium, Sulphur, Phosphorus



For more information about any
of our Omnia services contact:

T: 01526 831000

E: info@omniadigital.co.uk



 twitter.com/omniauk

omniadigital.co.uk

SoilOptix® is the registered
trademark of SoilOptix Inc.
and is used under license.

