

# PRECISION NUTRIENT MAPPING & SOIL SAMPLING

Move away from traditional W pattern soil sampling statistically only 33% accurate

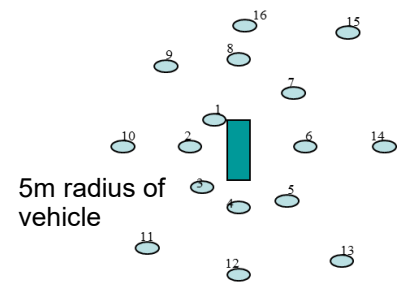
Be guided to & manage in field  
Variation to produce more whilst  
Using less

Create a soil "health" map



## Precision Nutrient & pH mapping - spot sampling

- Quad fitted with DGPS receiver creates a map of the field - no compaction from traffic
- A sampling plan is produced liaising with the grower
- Soil is sampled on a 100 meter grid basis - sample taken within a 5m radius of the centre of the grid
- One sample per Ha comprising of 16 soil cores are taken by fully trained samplers using RB209 guidelines
- Soil analysed by an independent UKAS accredited laboratory



## Nutrient Maps

- Easy to interpret colour coded nutrient maps produced
- Nutrient status displayed both in soil indices and ppm values
- Nutrient maps provide data for four crops
- Sampling plans kept on record for re-sampling once in four years or as often as required
- Maps can be exported into Gatekeeper or into the Agri-tech Kisan-Hub web portal

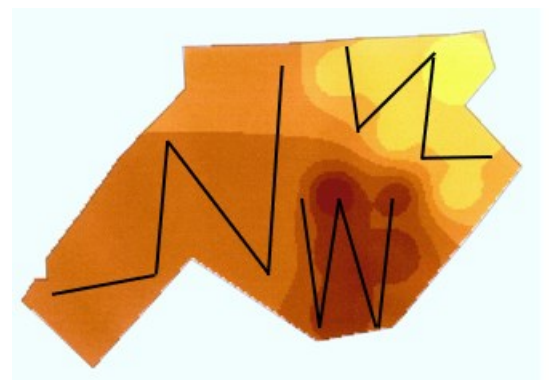


## GPS W Pattern Sampling

- Quad / UTV fitted with DGPS creates map of field - LGP no compaction
- Automated sampler giving consistency to depth of sampling

## W-Pattern Sampling

- 1) Free Living Nematode
- 2) Organic Matter Mapping
- 3) Carbon content



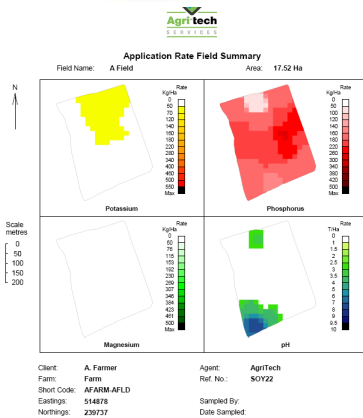
## GPS Nutrient Management & Soil Sampling



### Field report

Nutrient status summary together with fertilizer recommendations and application rates created for each field

Total farm fertilizer requirement created for ease of ordering product



### Application maps

- Spread files made up for each field
- Application rates based on 25 meter grid
- Infinite number of application rates
- Individual rate calculated for each grid
- Maps can be produced electronically to suit any controller
- Maps can be used to spread liquid or granular products
- Maps can be loaded into Gatekeeper or the Agri-tech - Kisan Hub web portal

### Benefits:

- Identify and target treat the areas that require fertilizer
- Apply nothing to nutrient rich areas of the field
- What you save on the high areas invest in the low nutrient zones
- Reduce costs & waste
- Optimise yield and quality
- Optimise your entry level scheme by gaining points from good soil management

### Soil Sampling Services to fit all Budgets:

- GPS recorded W - pattern soil sampling - can be re-loaded in subsequent years
- GPS spot sampling based on a 1ha grid or grid size of your choice
- GPS grid sampling based on a 1 ha grid but covering the whole hectare or area of your choice
- GPS Zone soil sampling - sampling based on soil variation

**For more information get in touch or request a call**



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