

# PRECISION NUTRIENT MAPPING & SOIL SAMPLING

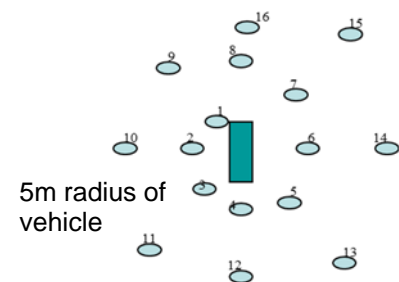
Move away from traditional W pattern soil  
sampling statistically only 33% accurate

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



## Precision Nutrient & pH mapping - spot sampling

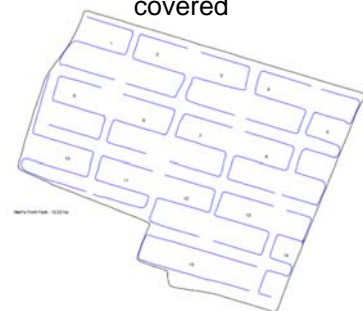
- Quad fitted with DGPS receiver creates a map of the field - no compaction from traffic
- A sampling plan is produced liaising with the grower
- Soil is sampled on a 100 meter grid basis - sample taken within a 5m radius of the centre of the grid
- One sample per Ha comprising of 16 soil cores are taken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



## Precision Nutrient & pH mapping - grid sampling

- Quad / UTV fitted with DGPS creates map of field - LGP no compaction
- Sampling track created for each grid - 21 samples taken from whole hectare
- Track can be re-loaded to ensure samples taken in future from the same locations - fully traceable
- Automated sampler ensuring consistency in the depth of sampling

Vehicle track –whole ha covered



## 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



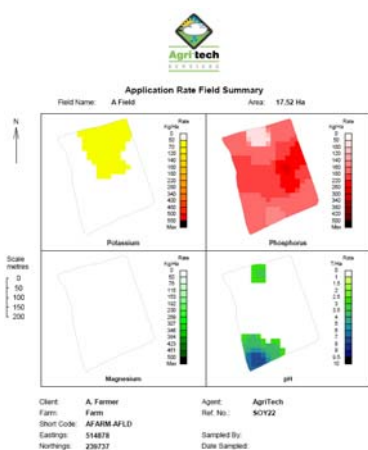
# GPS Nutrient Management & Soil Sampling

Fertiliser Recommendation Plan		Advisor: Alan Christie	
00050 Hortigran 12-3-18		Basic / Facts FE4504	
Issued: 01/02/2016		Telephone: 01462 813303	
David Austin Roses		Mobile: 07968336390	
		Email: alan.christie@agri-tech.co.uk	
			
Job 1	Total job area:	8.29 ha	
<i>Variable rate target map exists in job</i>			
Product	Job 1	Base Rate / ha	Required Units
Hortigran 12-3-18		0.000	5561.683 kg
Total Used			
Fields	Job 1	Area ha	Crop
Ruckley Wood		8.29	Unallocated
		Variety	Share Required
		Unallocated	5561.683
		Growth Stage	Date Completed
Job 2	Total job area:	8.29 ha	
<i>Variable rate target map exists in job</i>			
Product	Job 2	Base Rate / ha	Required Units
Hortigran 12-3-18		0.000	4476.320 kg
Total Used			
Fields	Job 2	Area ha	Crop
North Box		8.29	Unallocated
		Variety	Share Required
		Unallocated	4476.320
		Growth Stage	Date Completed

## Field report

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

Total farm fertiliser 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 fertiliser
- 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 back from [agri-tech.co.uk](http://agri-tech.co.uk)



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