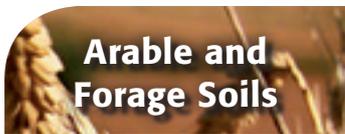


Soil Nutrient Status

Soil Summary 2016-2017

This year's annual soil summary uses soil samples submitted between June 2016 and May 2017, with data summarised according to the crop categories and optimum nutrient levels specified in the 8th Edition of the RB209. The focus of this year's soil summary is soil sampling and contained within the document we have provided tips and information to aid the sampling process.



Arable and Forage Soils



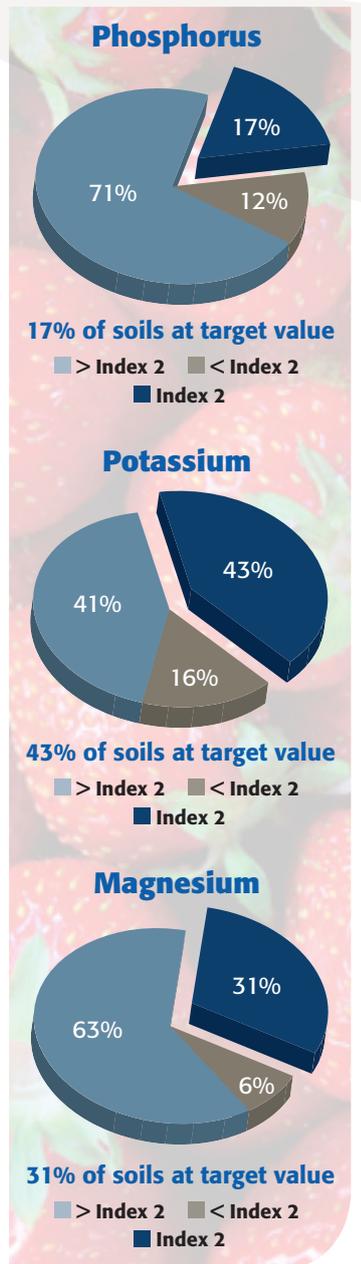
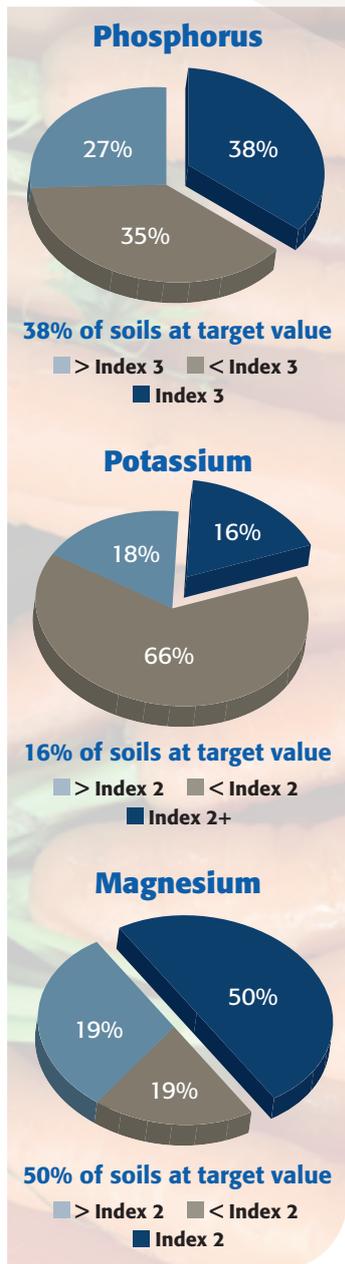
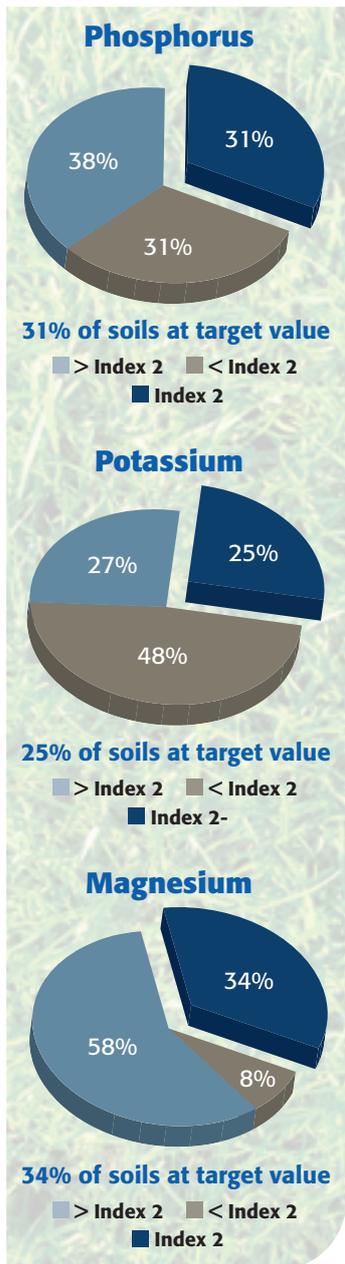
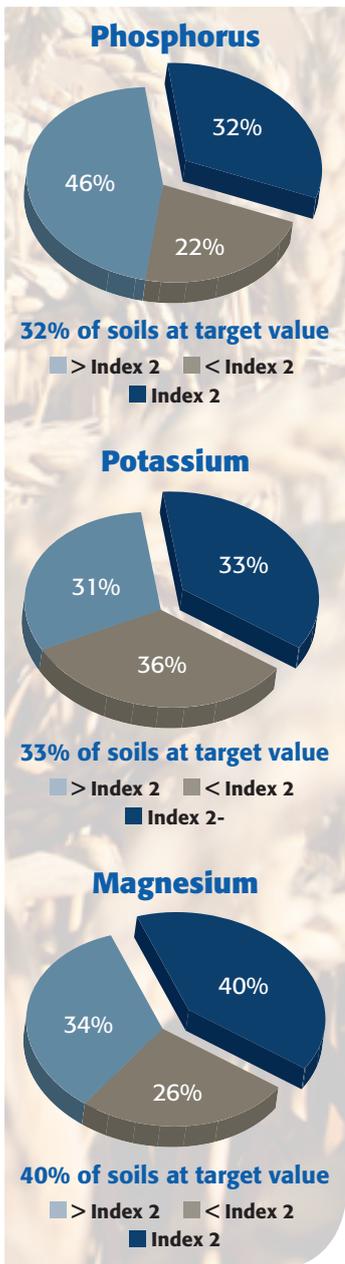
Grassland



Vegetable and Bulb Soils



Fruit, Vines and Hops Soils



Top Tips for Sampling Soil

Before taking the sample

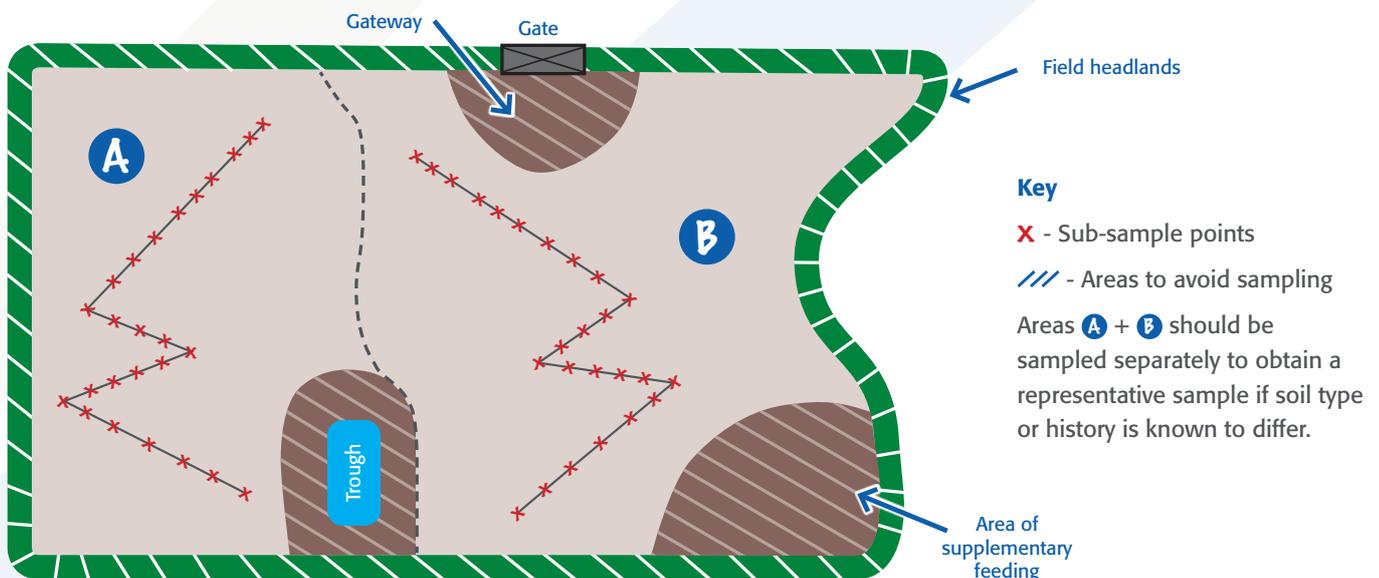
- Soil analysis on each field should be carried out at least every 3-5 years
- It is advised not to sample an area larger than four hectares
- Ideally sample post-harvest September to February depending on timing of fertiliser application
- Fruit, Vines and Hops fields ideally to be sampled in Spring and before ploughing so lime/ fertiliser can be applied and ploughed down
- Leave at least 4-6 months after fertiliser and lime* applications before taking a soil sample or six weeks for organic manures.

*Some guidance recommends to avoid sampling within 2 years of lime application.

The Sampling Procedure

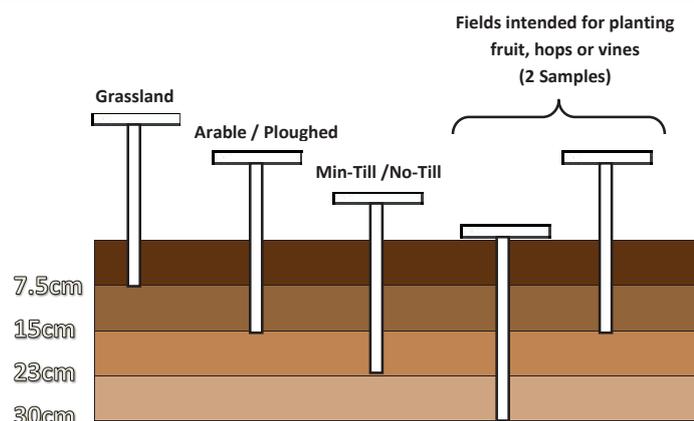
1. Where to sample

- In order to obtain a representative sample, areas known to differ in soil type and history (i.e. crop performance) should be sampled separately.
- The sample should be made up of between 20-25 cores taken from sampling points forming a 'W or M' pattern across the area.
- Avoid taking samples where muck heaps or feeders have been, headlands, or in the surrounding areas of unusual features, trees and hedges (please refer to diagram below).



2. How deep to sample

The sampling depth varies depending on the use of the field and cultivation.



3. Make sure you have the correct tools:

- Suitable soil auger for your sampling depth
- Sample boxes or bags
- Bucket for collecting and mixing soil cores
- Analysis request forms

4. Preparing your sample

- A core is taken at each sampling point using an appropriate auger and mixed together in a clean container to form a representative sample
- Remove all roots, plant material or accumulated surface organic matter in the sample – please see images before and after plant material has been removed
- Approximately 300g should be placed in packaging provided by NRM (either box or medium grip-seal bag filled to top of middle line)



5. Avoid cross contamination

- Clean your soil auger and bucket between sampling areas

6. Sample labelling

- Sample packaging must be clearly labelled and sealed
- Paperwork (provided by NRM) must accompany the samples. Please see details of how to complete the form

Filling out the soil sample request form



nrm
laboratories

Natural Resource Management
A division of Cawood Scientific Ltd

Standard Soil Analysis Request

LABORATORY REFERENCE	REPORT NUMBER	FIELD NAME OR O.S.No.	SOIL TYPE	FIELD SIZE (H/A)	CROP CODE PRESENT	CROP CODE FUTURE	STRAW REM Y/N	FYM Y/N	*** Package Codes / Quote Reference / Additional Trace Elements
	1								
	2								
	3								
	4								
	5								
	6								

Client Details

Name: _____

Address: _____

Post Code: _____

ANALYSED BY COURTESY OF
NRM
COOPERS BRIDGE
BRAZIER'S LANE
BRACKNELL
BERKSHIRE RG42 6NS

*** Please use the above column to specify against each sample where any additional analysis is required:
a) Package Codes (e.g. A003)
b) Quote References (e.g. Q12345)
c) Individual Trace Elements (e.g. Cu, B)

Merchant: _____

Local Rep: _____

Phone No: _____

U 49

LIME RECOMMENDATION YES / NO *

Send to: Natural Resource Management, Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS

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Box number should correspond to number on the soil box

Field name or O.S. number

Soil type code
1. Light – sand etc
2. Medium – loams
3. Heavy – clay
4. Organic – high OM content
5. Peaty soils

Client/farmers details please complete in full

NRM client code

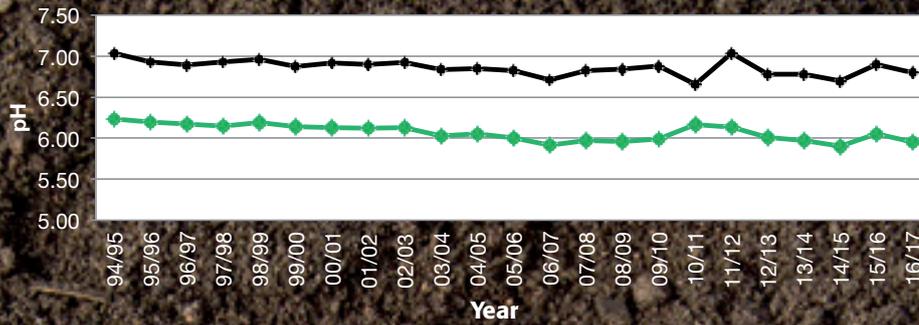
Present and past crop code

Straw removed yes/no

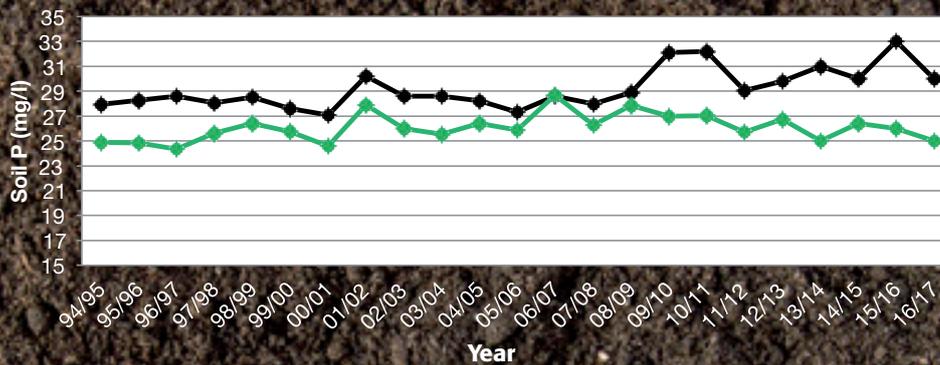
FYM added yes/no

Trends in pH, P, K, & Mg 1994 – 2017:

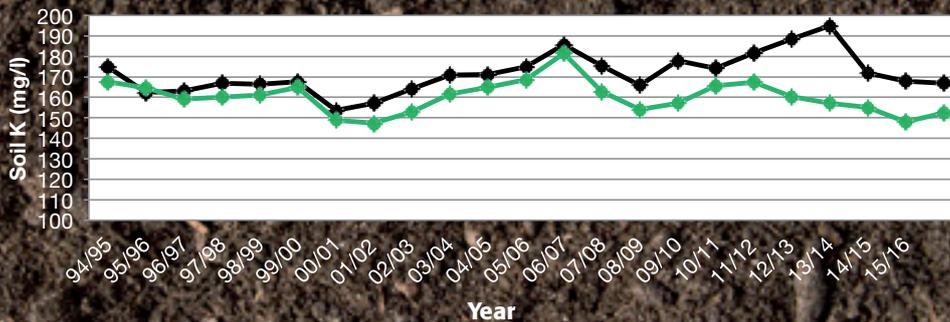
Trend in mean soil pH



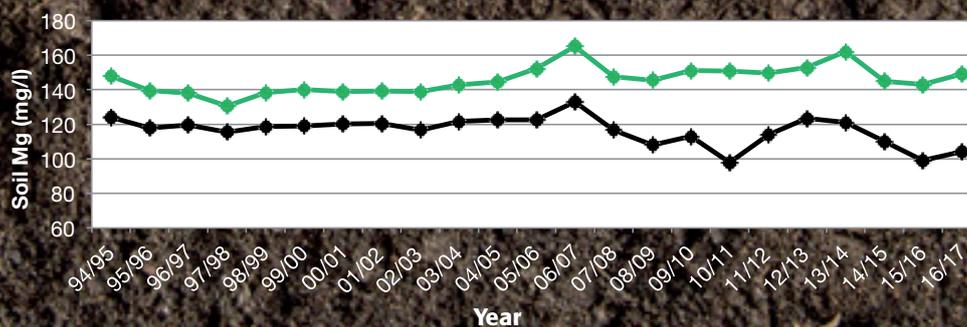
Trend in mean soil P



Trend in mean soil K



Trend in mean soil Mg



Arable samples
 Grass samples

For further information on the analytical services that NRM provides to the agricultural sector please contact our customer service team on **01344 886338** or by email at enquiries@nrm.uk.com



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