Soil pH and phosphorus



- Macaulay Institute now SAC
- Soil Fertility Department
- Long-term field experiments
- Advisory soil samples, tested for pH, P and K
 - Looking at long-term trends
 - Technical notes fertiliser recommendations
- Other information, such as the national soil survey
- Satellite images



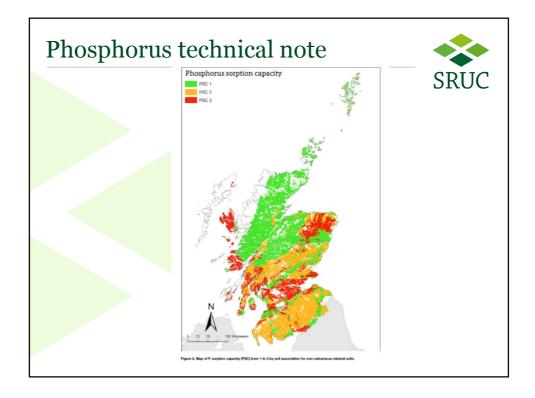
Technical Note TN668



April 2015 • Elec

Managing soil phosphorus.

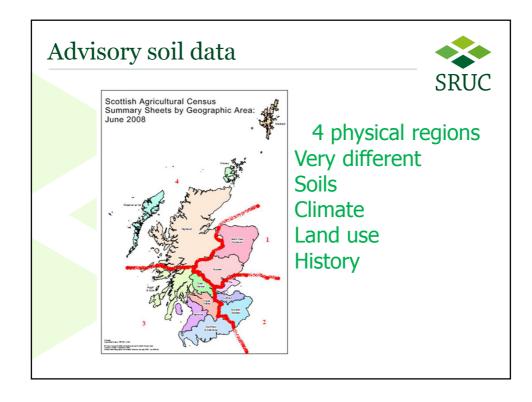
- A new soil specific approach to P management is presented that takes into account the relationship between differing soils capacity to regulate P availability for plant uptake.
- Soils have been designated and mapped as index 1, 2 and 3 to reflect inherent soil
 phosphorus sorption capacity (PSC).
- Soil association groups are listed in order of the most spatially extensive association



What the problem and future plans



- Two years ago we only had 1 type of soil in Scotland, now we have 3
- In the North West we have two extreme types of soil, shell sand and peaty
 - Causes a problem with the soil analysis and interpretation
- We hope to produce a dedicated soil technical note for the North West (any suggestions/thoughts welcome)



Soil properties Outer Hebrides



- Approximately 1600 samples collected from 1996-2015.
- Bulk of soils sampled under grass
 (87%) with 5% from potato/vegetables.
- ~80% where previous crop was grass went back into grass.

