



FACTS Turf Assessment Theme 01 June 2018/ 31 May 2019

Prediction and diagnosis of nutrient deficiencies (visual symptoms, sampling and analysis of soil and plant tissue)

- Visual symptoms of nutrient deficiencies
 - . Nitrogen
 - . Phosphorus
 - . Potassium
 - . Sulphur
 - . Magnesium
- Pros and cons of soil and plant tissue testing
- Soil sampling
 - . Sampling equipment
 - . Method of taking a sample: timing in relation to fertiliser applications, depth, number of cores, obtaining a representative sample, removal of thatch
 - . Diagnostic samples: need to sample good and poor areas of turf separately
 - . Frequency of sampling
 - . Interpretation of soil analysis report: pH, indices for P, K, Mg
- Plant tissue sampling
 - . Method for taking a sample: part of leaf taken, need to avoid contamination with soil
 - . Diagnostic samples: need to sample good and poor areas of turf separately
 - . Interpretation of tissue analysis reports: likely deficiency concentrations