

# Extraction

Type		Extractant	Application
Water (H <sub>2</sub> O)	pH	Milli Q water (>18.2 MOhm)	Soil pH, nitrate
CaSO <sub>4</sub>	pH	10 mM CaSO <sub>4</sub> (1.36 g L <sup>-1</sup> )	Soil pH, nitrate
KCl		1 M KCl (74.5 g L <sup>-1</sup> )	Ammonium, microbial biomass by TOC/TN anal.
K <sub>2</sub> SO <sub>4</sub>		0.5 M K <sub>2</sub> SO <sub>4</sub> (87.1 g L <sup>-1</sup> )	DON or microbial biomass by persulfate oxidation
NH <sub>4</sub> OAc		1 M NH <sub>4</sub> CH <sub>3</sub> CO <sub>2</sub> (77.1 g L <sup>-1</sup> )	Available cations
Bicarbonate		0.5 M NaHCO <sub>3</sub> (42.0 g L <sup>-1</sup> ), pH 8.5	Available phosphate
MCW		Methanol: chloroform: water (3: 1:1, v: v)	Polyphenols, low-molecular weight substances (sugars)

soil: 1.5g, litter 0.75g ad 15mL in 20mL vials