

# Oregon State University Soil Health Laboratory

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## Western Oregon Basic Soil Analysis Report



Name: \_\_\_\_\_  
 Organization: \_\_\_\_\_  
 Contact for results: \_\_\_\_\_  
 Date submitted: \_\_\_\_\_  
 Date delivered: \_\_\_\_\_  
 Group number: \_\_\_\_\_

Sample ID		%			pH units		mg nutrient/kg soil					
Customer ID	Lab ID	C	N	OM	pH	BpH	PO4-P	Ca	Mg	K	NO3-N	NH4-N
	1											
	2											
	3											

**Methods descriptions**

- C and N      Measured using dry combustion on Elementar Vario Macro Cube
- OM            Organic matter calculated using total organic carbon \* 2 as per review by Pribyl, 2010 in Geoderma
- pH            Measured in 1:1 soil:water ratio on Hanna benchtop meter
- BpH          pH measured in Sikora buffer solution
- PO4-P        Extracted using Bray P1. Extract measured on VWR V1200 spectrophotometer
- Ca, Mg, K    1M ammonium acetate extraction measured on Agilent 5110 ICP-OES
- NO3-N        2M KCl extraction measured using Griess reagents on VWR V1200 spectrophotometer
- NH4-N        2M KCl extraction measured on Lachat QuikChem 8500 Series 2 flow injection analyzer