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 Soil Health Laboratory  
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 Soil Health Analysis Report



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

Sample ID		%				
Customer ID	Lab ID	Moisture	Sand	Silt	Clay	Water Stable Aggregates
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

Sample ID		%			ppm	µg CO <sub>2</sub> -C/g dry soil/day		ppm NO <sub>3</sub> -N time 0	ppm NO <sub>3</sub> -N time 28	mg N/kg soil/day
Customer ID	Lab ID	C	N	OM	Active C	CO <sub>2</sub> Respiration 24 hr	CO <sub>2</sub> Respiration 96 hr	Potentially Mineralizable Nitrogen		
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									

Sample ID		pH	dS/m	ppm				meq/100g			
Customer ID	Lab ID	pH	EC	P	K	Ca	Mg	K	Ca	Mg	CEC
	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										

Method Descriptions

- Moisture Gravimetric moisture as sample is received. All other data reported on a dry matter basis
- Texture Determined with Hydrometer method after cementing and flocculating agents removed
- Water Stable Aggregates Percentage of 0.25 - 2.00 mm aggregates that stay on a sieve after a simulated 5 minute rain using the Cornell Sprinkle Infiltrometer
- CN Dry combustion and direct measurement of total nutrients with Elemental Macro Cube
- OM Organic matter calculated using total organic carbon \* 2 as per review by Pribyl, 2010 in Geoderma
- Active Carbon Readily oxidizable carbon measured by potassium permanganate reduction.
- CO<sub>2</sub> Respiration CO<sub>2</sub> evolution measured after 24 hour and 96 hour incubation with soil wetted to 50% water filled pore space incubated at 23C
- Potentially Mineralizable Nitrogen NO<sub>3</sub>-N measured at time 0 using 2M KCl extraction followed by a 28 day incubation at 50% water filled pore space at 23C. NO<sub>3</sub>-N measured again with 2M KCl extraction at day 28 to calculate the rate of nitrogen mineralization.
- pH EC Measured in 1:1 soil:water ratio on Hanna HI5522 benchtop meter
- P, K, Ca, Mg Extracted with Mehlich 3 solution, measured on Agilent 5110 ICP-OES
- CEC Sum of bases estimation of CEC
- BQL Below quantifiable limits