Soil Testing Labs Offering CEMA 216 Compliant Soil Health Testing Services							
Lab	**Location**	**CEMA 216 Soil Health Testing Required Analytes**	**Method**	**Price**	**Estimated Sum of CEMA 216 Tests (Basic) $/Sample**	**Estimated Sum of CEMA 216 Tests (Basic) $/Three Samples**	**Link**
Oregon State University	Corvallis, OR	Wet aggregate stability	Alternate (Cornell Sprinkle)	$99 (Basic Soil Health Assessment) (Includes $7/sample preparation fee)	$134	$402	https://cropandsoil.oregonstate.edu/shl/testing-services/soil-testing
		SOC	Preferred (Dry combustion)	(Included in BSHA)			
		Respiration	Preferred (24-hr burst)	(Included in BSHA)			
		Labile Carbon	Preferred (POXC)	$18			
		Bioavailable N	Preferred (ACE protein)	$17			
		Texture	Alternate (Hydrometer)	(Included in BSHA)			
		pH	Preferred (1:1 water)	(Included in BSHA)			
		Microbial diversity (only for advanced soil testing)	3 enzymes not available (only B-glucosidase enzyme)	-			
Regen Ag Labs	Pleasanton, NE	Wet aggregate stability	Wet Sieving	$30	*$110	$330	https://regenaglab.com/
		SOC	Alternate (LOI)	(Included in Haney) or $6.50			*Estimated Sum of Soil Health Tests if ordered as Haney Test Package ($60) + Wet Aggregate Stability by Wet Sieving + Texture by Hydrometer.
			Preferred (Dry Combustion)	$15			
		Respiration	Preferred (24-hr burst)	(Included in Haney) or $25			
			Alternative (96-hr burst)	$35			
		Labile Carbon	Alternate (WEOC)	(Included in Haney) or $17.50 individually or in combination with WEON)			
			Preferred (POXC)	$25			
		Bioavailable N	Alternate (WEON)	(Included in Haney) or $17.50 individually or in combination with WEOC)			
			Preferred (ACE protein)	$25			
		Texture	Alternative (Hydrometer)	$20			
		pH	Preferred (1:1 water)	(Included in Haney) or $6.50			
		Microbial diversity (only for advanced soil testing)	Preferred (PLFA)	$90			
			Alternative (Enzymes)	$75			For first 3 Enzymes, then $20/Enzyme
Ward Labs	Kearney, NE	Wet aggregate stability	Preferred (Wet sieve)	$150 (CEMA 216 Package)	$150	$450	https://www.wardlab.com/services/soil-health-analysis/
		SOC	Preferred (Dry combusion)	(CEMA 216 Package)			
		Respiration	Preferred (24-hr burst)	(CEMA 216 Package)			
		Labile Carbon	Preferred (POXC)	(CEMA 216 Package)			
		Bioavailable N	Preferred (ACE protein)	(CEMA 216 Package)			
		Texture	Alternative (Hydrometer)	(CEMA 216 Package)			
		pH	Preferred (1:1 water)	(CEMA 216 Package)			
		Microbial diversity (only for advanced soil testing)	Preferred (PLFA)	$101			
		Microbial diversity (only for advanced soil testing)	Alternate (3 Enzymes)	$89			
Agvise Laboratories	Northwood, ND	Wet aggregate stability	Preferred (Wet sieve)	(SH216 Package) (Sample A)	*$240	$720	https://www.agvise.com/services/soil-analysis/
		SOC	Preferred (Dry combusion)	(SH216 Package) (Sample B)			*$240 for the SH216 Package. Test available individually for varying prices. Additional methods also available as
		Respiration	Preferred (24-hr burst)	(SH216 Package) (Sample B)			
		Labile Carbon	Preferred (POXC)	(SH216 Package) (Sample B)			

		Bioavailable N	Preferred (ACE protein)	(SH216 Package) (Sample B)			indivudal tests.
		Texture	Alternative (Hydrometer)	(SH216 Package) (Sample B)			
		pH	Preferred (1:1 water)	(SH216 Package) (Sample B)			
Prepared by the North Coast Soil Hub - updated 5/18/2026							
This information was prepared and provided by the North Coast Soil Hub in April 2026 and does not represent a comprehensive list of labs offering tests required for CEMA 216 nor does it represent a recommendation or endorsement of their products or services.							

CEMA 216 Soil Health Testing Requirements								Optional (for Advance Soil Health Testing)
Soil Process and Indicator OR characteristic	Soil Aggregation – Wet Aggregate Stability	Carbon Cycling – Soil Organic C (SOC)	Microbial Activity – Soil Respiration	Carbon Food Source for Microorganisms – Labile Carbon	Food Source for Organisms – Bioavailable Nitrogen	Soil Texture	Soil pH	Microbial Diversity/Functional Diversity
Reason for Measurement	Measure of the physical soil environment. Related to water infiltration, carbon and nutrient storage, biological activity, and reduced erosion	Related to soil structure, fertility, and provides microbes with food	Measure of how active the microbes are in the soil	Carbon food that is easily taken up by microbes	Related to protein that is readily available to microbes			
Preferred Method	Wet sieving	Dry combustion	24-hour incubation/burst	Permanganate Oxidizable Carbon (POXC)	Autoclaved citrate extractable (ACE) protein content	KSSL Particle Size Distribution Analysis by pipette	1:1 water	Phospholipid Fatty Acid (PLFA)
Alternate Method	Cornell Sprinkle infiltrometer	Loss on Ignition (LOI)	96-hour incubation	Water extractable organic carbon (Haney)	Water extractable organic nitrogen (WEON)	Hydrometer Method	0.01M CaCl2	Choice of three of the following enzymes: β-Glucosidase (Carbon Cycling) N-acetyl-β-D-glucosaminidase (Carbon and Nitrogen Cycling) Protease (Nitrogen Cycling) Acid and/or Alkaline Phosphatase (Phosphorus Cycling) Arylsulfatase (Sulfur Cycling)