WARD Laboratories, Inc.
Ag Testing - Consulting

USDA NRCS CONSERVATION EVALUATION & MONITORING ACTIVITY

CEMA 216 - SOIL HEALTH TESTING

With the launch of the USDA NRCS Regenerative Pilot Program, quantitative soil health testing is now a formal requirement for participating growers. CEMA 216 defines that requirement, calling for measurement of five core soil processes to evaluate overall soil ecosystem health. Ward Laboratories is a qualified laboratory capable of fulfilling the complete CEMA 216 testing requirements. All three packages below meet those standards — advanced options add deeper microbial insights for Regenerative Pilot Program participants or growers seeking more detailed management data.

WARD TESTING PACKAGES THAT MEET CEMA 216 REQUIREMENTS:

CEMA 216 - FOUNDATION

CORE PANEL

Fulfills all 5 required soil processes. Standard choice for most NRCS programs participants.

5 REQUIRED SOIL PROCESSES

Wet Aggregate Stability
Wet Sieving

Soil Organic Carbon
Dry Combustion

Soil Respiration
24 hour CO2 Burst

Active Carbon (Labile Carbon)
Permanganate Oxidation (POXC)

Bioavailable Nitrogen
ACE Protein

INTERPRETIVE CHARACTERISTICS

Soil pH + Texture
Hydrometer Analysis & 1:1 Water

S-1957 - $149.40

CEMA 216 - ADVANCED MICROBIAL COMMUNITY

CORE + PLFA ANALYSIS

Full microbial community fingerprint. Ideal for tracking biological diversity shifts over time.

Includes all Core Panel analysis
5 Soil Processes + Interpretive Characteristics

ADDED: MICROBIAL DIVERSITY

Phospholipid Fatty Acid (PLFA)
Buyer & Sasser

PLFA analysis identifies and quantifies microbial community groups including: bacteria (gram+, gram−), fungi, actinomycetes, and protozoa, giving a broad picture of who is doing the work in your soil.

Sampling Note: PLFA requires special handling. Keep samples on ice, store cold immediately after field collection, and ship on ice.

S-1957 +PLFA - $250.35

CEMA 216 - ADVANCED NUTRIENT CYCLING

CORE + ENZYME PANEL

Target specific nutrient cycles with enzyme activity assays. Choose 3 of 5 available enzymes.

Includes all Core Panel analysis
5 Soil Processes + Interpretive Characteristics

ADDED: ENZYME PANEL

β-Glucosidase (BG)
Carbon Cyclying

N-acetyl-β-D-glucosaminidase (NAG)
Carbon & Nitrogen Cycling

Acid Phosphatase (AcP)
Phosphorus Cycling

Alkaline Phosphatase (AlkP)
Phosphorus Cycling

Arylsulfatase(ARS)
Sulfur Cycling

S-1957 +3 ENZYMES - $238.50

READY TO GET STARTED?

CEMA 216-specific submission sheets are available directly from Ward Laboratories.
Contact your account representative, call (308) 234-2418, or visit wardlab.com.

4007 Cherry Ave
Kearney, NE 68847

All prices are subject to change without notice.
Pricing is on a per-sample basis.