804 Hwy 15 W
PO Box 510
Northwood, ND 58267
(701) 587-6010
northwoodlab@agvise.com

902 13th St N
PO Box 187
Benson, MN 56215
(320) 843-4109
bensonlab@agvise.com

Soil Health Submission Form

Grower Information

Name _____
Address _____
_____
City _____
State _____
Zip _____

Submitter Information

Account # _____
Name _____
Address _____
_____
City _____
State _____
Zip _____

Field Information

Field ID _____
Sample ID _____
County _____
Twn/Range _____
Section _____
Quarter _____
Acres _____

Date Sampled _____

Soil Depth _____
Crop _____

For office use only
Soil Sample A: Biochemical and Physical

For office use only
Soil Sample B: Soil Aggregate Stability

Ship all soil health samples to the Northwood, ND laboratory. USDA-NRCS CEMA 216 has extra requirements, including a pre-work conference call with the NRCS Field Office. AGVISE Option SH216 requires soil sample A and B per location. See instructions on back page.

Soil Health Analysis	**Price**
☐ Option SH216: meets USDA-NRCS CEMA 216, requires soil sample A and B (see instructions); includes water-stable aggregate (WSA), WSA sand correction, total organic C, POXC, 24-h CO2 respiration, ACE protein, soil pH, soil texture	$240.00
Soil Sample A: Physical and Biochemical Analysis	
☐ 24-hour CO_2 respiration	$34.50
☐ 4-day CO_2 respiration	$45.00
☐ Permanganate-oxidizable carbon (POXC)	$23.90
☐ Autoclave citrate extractable (ACE) protein	$36.50
☐ Total organic carbon (total carbon minus inorganic carbon)	$23.65
☐ Total carbon:nitrogen ratio; includes total organic C, total N	$31.15
☐ Water-extractable organic carbon (WEOC) and organic nitrogen (WEON); includes water-extractable ammonium-N and nitrate-N	$41.05
☐ Soil pH (1:1 water)	$5.85
☐ Soil organic matter (loss on ignition)	$4.75
☐ Soil texture (sand, silt, clay, USDA class)	$27.25
☐ Available water capacity (water holding capacity at 1/3 bar, 15 bar)	$53.00
Soil Sample B: Soil Aggregate Stability	
☐ Soil aggregate stability (water-stable aggregation: 2000 µm, 250 µm, 53 µm sieves)	$63.50
☐ Soil aggregate stability sand correction (>53 µm)	$24.85

All prices in U.S. Dollars (USD). Effective April 1, 2026. Subject to change without notice.

804 Hwy 15 W
PO Box 510
Northwood, ND 58267
(701) 587-6010
northwoodlab@agvise.com

902 13th St N
PO Box 187
Benson, MN 56215
(320) 843-4109
bensonlab@agvise.com

Soil Health Submission – Soil Sampling Instructions

IMPORTANT: Ship all soil health samples to the Northwood, ND laboratory.

Requirements for USDA-NRCS CEMA 216

1. Read the CEMA 216 document from USDA-NRCS—It is your official guidance on CEMA 216. Read and understand the requirements, instructions, and deliverables to USDA-NRCS before you go to the field. These are key points before proceeding:
    a. The soil sampler must be a "Qualified Individual" (see CEMA 216 for eligibility).
    b. There must be a pre-work conference call with the NRCS Field Office staff, the participant (farmer or rancher), and the Qualified Individual (soil sampler).
    c. CEMA 216 requires at least three (3) separate soil sample locations per field; these locations will be discussed and decided in the pre-work conference call.
2. Follow the AGVISE instructions on soil sample submission. There should be six separate soil bags per field (1A, 1B, 2A, 2B, 3A, 3B). Complete one form per location (three forms per field).

AGVISE Option SH216 requires Soil Sample A and Soil Sample B per location. Soil Sample A can also be used for routine soil fertility analysis and other soil analyses that you desire. Soil Sample B for soil aggregate stability analysis requires special handling. Follow these instructions and CALL AGVISE if you have any question on the submission instructions. If the CEMA 216 instructions are not followed properly, you will need to go back to the field and recollect soil samples.

Soil Sample A: Biochemical and Physical Analysis (can also include soil fertility analysis)

1. Take soil samples from 15 sub-locations per location. Record locations with GPS.
2. Collect soil cores with hand soil probe at 0-6 inch depth.
3. Thoroughly mix soil cores in plastic container. Place subsample in AGVISE soil sample bag.
4. Write all necessary sample information (grower ID, field ID, and sample ID) on soil sample bag with permanent marker. The sample IDs should be 1A, 2A, 3A, etc.

Soil Sample B: Soil Aggregate Stability – Special Handling Instructions

1. Take soil samples from 5 sub-locations per location. Record locations with GPS.
2. Collect soil slice with clean spade or bulb planter at 0-6 inch depth. Do not use standard soil probe as it can crush soil aggregates. Trim slice to 2-inch thick by 1-inch wide.
3. Gently place the soil slice into 1-quart plastic recloseable bag (e.g. Ziploc bag). Do not mix or break apart soil sample. Leave soil aggregates intact.
4. Write all necessary sample information (grower ID, field ID, and sample ID) on soil sample bag with permanent marker. The sample IDs should be 1B, 2B, 3B, etc. Also—write **"SOIL AGGREGATE STABILITY SAMPLE"** boldly and clearly on the soil bag so we can clearly see it.

Soil slice for soil aggregate stability taken with tiling spade, trimmed down to 2-inch thick slice. Soil sample depth is 0-6 inch.

All prices in U.S. Dollars (USD). Effective April 1, 2026. Subject to change without notice.