

2022 Cornell Assessment of Soil Health Submission Form - PRINTABLE spreadsheet

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1. Double bag each sample.
2. Enter your information into this form, preferably electronically. **IMPORTANT** - complete all fields where possible. Print two copies.
3. Save one copy of the form for your records.
4. Place second copy into a plastic bag for protection and put it into the box with your samples.
5. Send Excel file of this form via email.
6. We will contact you in ~8-10 weeks for billing. Allow 6-8 weeks for results.

Video for how to package and ship samples:

<https://tinyurl.com/vkf2x55>

IMPORTANT Information Regarding Shipping Soils:

- + **NOTE:** We require state and county of origin be included on this form.
- + All samples must be double bagged and secured in the shipping box.
- + Soil samples from USDA-APHIS Regulated counties will incur a 15% surcharge as they require Quarantined treatment upon arrival to us.
<http://blogs.ifas.ufl.edu/miamidadeco/files/2019/04/SoilMap.jpg>
- ❖ Some counties within the US are **PROHIBITED** meaning you cannot bag, box or ship from these areas.
- ❖ Visit <https://bit.ly/3cR4ra9> for a list of current **PROHIBITED COUNTIES**.

For Lab Use Only

Mail Samples To:

Cornell Soil Health Lab
804 Bradfield Hall
306 Tower Rd
Ithaca, NY 14853 USA

Email:

soilhealth@cornell.edu

1 State (sample origin)	1 County (sample origin)	2 Out-side U.S.?	3 Who is paying for the samples? (Name or Email)	4 NRCS project? check here <div style="border: 1px solid black; width: 40px; height: 20px; margin: 5px auto;"></div> Grower Name & Mailing Address	4 Grower Email Address	5 Ag Service Provider Name	5 Ag Service Provider Email Address	5 Ag Service Provider Phone Number
REQUIRED	REQUIRED		<input type="checkbox"/> check enclosed					
6 SAMPLE NUMBER	7 FIELD I.D. OR SAMPLE NAME (WRITTEN ON SAMPLE BAG)	8 DATE SAMPLED (mm/dd/yy)	9 TESTING PACKAGE Basic or Standard or Standard PLUS (S+) or NRCS 216	10 *ADD-ON TESTS (see page 2) *Available Water Capacity (AWC), *ACE Protein (PRO), *Soluble Salts (SS), *Soluble Boron (WSB) *Bulk Density (BD)	11 GPS COORDINATES for Field or Sample online help at https://tinyurl.com/wyr6qd5	12 SOIL NAME (IF KNOWN)	13 TILLAGE TYPE 2020 1 = no till 2 = 1-7" 3 = 7-9" 4 = > 9"	14 CROP INFORMATION Find Crop Codes at: https://dairyone.com/download/crop-codes-for-agro-one-nutrient-guidelines/ 2020 2021 2022
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Recommended for: field crops, dairy, lawns

- > Soil pH, Organic Matter, Modified Morgan Extractable P, K, Ca, Mg, S, Al, B, Cu, Fe, Mn, Zn
- > Wet Aggregate Stability
- > **Active Carbon** *replaced Soil Respiration 2020
- > **Total Carbon and Total Nitrogen** and Soil Organic Carbon
- > Surface & sub-surface hardness (optional--*you provide the penetrometer readings*)

STANDARD Soil Health Analysis Package \$130/sample (sample size 5 cups)

Recommended for: organic production, veg crops, problem diagnosis, home gardens

- > Soil pH, Organic Matter, Modified Morgan Extractable P, K, Ca, Mg, S, Al, B, Cu, Fe, Mn, Zn
- > Wet Aggregate Stability > Soil Texture
- > Active Carbon > Soil Respiration
- > **Total Carbon & Total Nitrogen & Soil Organic Carbon** *replaced ACE Protein 2020
- > **Surface & subsurface hardness** (optional-you provide the penetrometer readings)
- > *Predicted* ACE Protein (Lab test available as Add-On) info here: <https://bit.ly/2KDTLQe>
- > *Predicted* Available Water Capacity (Lab test available as Add-On) info here: <https://bit.ly/2KDTLQe>

STANDARD PLUS Soil Health Package \$150/sample (sample size 5 cups)

- > **STANDARD Package** (above) **plus** lab measured Soil Protein "bioavailable N"

NRCS 216 Soil Health Package \$165/sample (sample size 5 cups)

Recommended for: USDA-NRCS Projects, CIG Soil Health Demo Trials

- > **STANDARD PLUS Package** (above) **plus** EC electrical conductivity (soluble salts)

Add-on Tests for the Soil Health Analysis Packages

Choose *ADD-ON test in zone 10 (page 1)

***Available Water Capacity (Lab Analysis) \$25/sample**

Recommended applications: projects where measured data is required

***ACE Soil Protein (Lab Analysis) \$25/ sample**

Recommended applications: research projects where measured "bioavailable nitrogen" data is required

***Soluble Salts \$20/sample**

Recommended applications: high tunnels, lawns, urban areas, composted areas, home gardens, landscaped areas

***Hot Water-soluble Boron \$25/sample**

Recommended applications: small fruits, vegetables, gardens

*** Bulk Density \$25/sample**

Recommended applications: A fixed-volume cylinder is repeatedly used to collect soil volumes into a separate BD sample bag. Data used to convert % carbon to tons carbon per acre

*Many of the soil analyses in the CASH packages are available as individual tests. Submission form for individual tests at:

<https://soilhealthlab.cals.cornell.edu/testing-services/individual-soil-analyses/>

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Soil penetrometer data- record the highest number (PSI) encountered in the 0-6" and the 6-18" depth for each subsample location

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