2020 Cornell Assessment of Soil Health Submission Form - PRINTABLE spreadsheet

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
G01 Bradfield Hall
306 Tower Rd
Ithaca, NY 14853
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 **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		☐ 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** Soil Protein (**S+**)	10 ***ADD-ON TESTS** *(see page 2)* *Available Water Capacity **(AWC),** *ACE Protein **(PRO),** *Soluble Salts (**SS**), *Water-soluble Boron (**WSB**)	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://tinyurl.com/wgbdsgq 2018	2019	2020
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BASIC Soil Health Analysis Package $70/sample (sample size 3 cups)

Recommended for: field crops, dairy, lawns

> Soil pH, Organic Matter, Modified Morgan Extractable P, K, micronutrients
> Wet Aggregate Stability
> **Active Carbon** ***replaces Soil Respiration for 2020**
> **Total Carbon and Total Nitrogen**
> Surface & sub-surface hardness (optional--*you provide the penetrometer readings*)

STANDARD Soil Health Analysis Package $110/sample (sample size 4 cups)

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

> Soil pH, Organic Matter, Modified Morgan Extractable P, K, micronutrients
> Wet Aggregate Stability
> Active Carbon
> Surface & sub-surface hardness (optional--*you provide the penetrometer readings*)
> **Total Carbon & Total Nitrogen** ***replaces ACE Protein in 2020**
> Soil Texture
> Soil Respiration
> *Predicted* ACE Protein (Lab test available as Add-On) *more info here: https://bit.ly/2KDTLQe*
> *Predicted* Available Water Capacity (Lab test available as Add-On) *more information here: https://bit.ly/2KDTLQe*

STANDARD PLUS Soil Health Package $130/sample (sample size 4 cups)

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

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

Add-on Tests for the Soil Health Analysis Packages

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

***Available Water Capacity (Lab Analysis) $20/sample**
Recommended applications: research projects where measured data is required

***ACE Soil Protein (Lab Analysis) $20/ sample**
Recommended applications: research projects where measured "bioavailable nitrogen" data is required

***Soluble Salts $10/sample**
Recommended applications: high tunnels, lawns, urban areas, composted areas, home gardens, landscaped areas

***Hot Water-soluble Boron $15/sample**
Recommended applications: small fruits, vegetables, gardens

*Many of the soil analyses in the CASH packages are available as individual tests. To order individual tests use the form found at this link:
http://www.css.cornell.edu/extension/soil-health/individual.xlsx

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

Sample #	location 1		location 2		location 3		location 4		location 5		location 6		location 7		location 8		location 9		location 10	
	0-6"	6-18"	0-6"	6-18"	0-6"	6-18"	0-6"	6-18"	0-6"	6-18"	0-6"	6-18"	0-6"	6-18"	0-6"	6-18"	0-6"	6-18"	0-6"	6-18"
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