



## Soil Testing Form – Corn, Forage, Pasture & Hay

\* For backyard or non-commercial hay or pasture, please use the Home Grounds & Garden soil test form.

### Instructions:

- Soil sampling instructions, test descriptions and crop codes are on page 2.
- Please print legibly.
- Please give each sample a unique name.
- Make checks payable to “UNH Cooperative Extension”
- Please allow 3 WEEKS for test results.

Name: \_\_\_\_\_ Business/Farm: \_\_\_\_\_ County: \_\_\_\_\_ Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Email: \_\_\_\_\_ Phone: \_\_\_\_\_ FAX: \_\_\_\_\_

Receive Test Result by (choose one) ☐Email ☐Mail ☐Fax

Payment Type ☐Cash ☐Check ☐Account

UNH ID # Leave blank	Sample Name	Crop to be Grown*	Previous Crop (specify)	Cover Crop (specify)	Field Size (#acres)	# of cuttings	Grazing Method	Field Soil Test \$16	% Organic Matter \$4	pH ONLY \$8	Micro- Nutrients \$8	Heavy Metals Package \$70	TOTAL Sample Cost:
	1.												
	2.												
* List codes for all crops for which you would like recommendations. See list on back of page.												TOTAL COST:	

Recent manure or compost applications may reduce the amount of fertilizer recommended. If you have **recently applied** (within the past year) OR **intend to apply** manure, please complete the **MANURE CREDITS** section below.

### MANURE CREDITS - What kind of manure do you plan on applying?

☐ Dairy, liquid (> 5% dry matter) ☐ Dairy, semi-solid ☐ Dairy, solid (< 20% dry matter) ☐ Beef ☐ Sheep ☐ Horse ☐ Swine ☐ Poultry, broiler ☐ Poultry, layer

1. **Time until manure will be incorporated?** ☐ An hour or less ☐ >8 hrs ☐ within 24 hrs ☐ 2 days ☐ 3-4 days ☐ 5-7 days ☐ Unincorporated  
**Manure applied** in Spring summer or fall? \_\_\_\_\_ Amount? \_\_\_\_\_

**Wood ash applied?** ☐ Yes ☐ No

2. **Time until manure will be incorporated?** ☐ An hour or less ☐ > 8 hrs ☐ within 24 hrs ☐ 2 days ☐ 3-4 days ☐ 5-7 days ☐ unincorporated  
**Manure applied** in Spring Summer or Fall? \_\_\_\_\_ Amount? \_\_\_\_\_

**Manure application history** –This year \_\_\_\_\_ ☐ tons/acre ☐ gal/acre. Last year \_\_\_\_\_ ☐ tons/acre ☐ gal/acre. 2 years ago \_\_\_\_\_ ☐ tons/acre ☐ gal/acre.

**Wood ash applied?** ☐ Yes ☐ No

**Corn yield goals** ☐ 15 to 18(90-108 BU) ☐ 18 to 22 (108-132 BU) ☐ 22 to 25 (132-150 BU) ☐ 26-30 (156-180 BU)

**Small grain yield goals** ☐ 40 to 50 BU ☐ 60 to 70 BU ☐ 80 to 90 BU

### Mail or Bring Samples to:

UNH Cooperative Extension  
Spaulding Hall – Room G28  
38 Academic Way  
Durham, NH 03824

Questions? Call 603-862-3200

Email: [soil.testing@unh.edu](mailto:soil.testing@unh.edu)

Visit: [extension.unh.edu/diagnostics](http://extension.unh.edu/diagnostics)

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### Sampling instructions

The soil sample should be representative of the area for which you want recommendations. Avoid areas that have an obvious difference in soil type, drainage, or plant growth. Take samples from 15-20 locations throughout the field and combine in a bucket.

Each sample should be taken from a depth of 6-8" for row crops & alfalfa, 4-6" for deep grass and pastures and 2-4" for no-till fields. The sample can be taken with a spade, shovel, trowel, soil probe or auger.

Mix well, air dry, and remove stones and other debris. Submit **ONLY 1 cup of dry soil** in a clean zip-lock bag for testing. Name each sample and label each bag clearly (e.g. "side field", "back field", etc.).

### Test descriptions

**Field Soil Test** includes calcium, magnesium, potassium, and phosphorus, along with pH and Mehlich lime buffer pH. Results include calculated Cation Exchange Capacity (CEC), base saturation and phosphorus saturation.

**Organic Matter** includes the % organic matter content.

**Micronutrients** includes extractable copper, iron, manganese and zinc.

**Heavy Metals Package** includes cadmium, chromium, copper, lead, nickel & zinc in soils using EPA methods.

### Crop Codes

1 – corn silage	6 – alfalfa topdress	11 – grass establishment - hay	16 – soybeans
2 – corn grain	7 – clover grass establishment - hay	12 – grass topdress - hay	17 – small grains
3 – alfalfa grass establishment *	8 – clover grass topdress - hay	13 – grass establishment - pasture	18 – other
4 – alfalfa grass topdress**	9 – clover grass establishment - pasture	14 – grass topdress - pasture	19 – none
5 – alfalfa establishment	10 – clover grass topdress - pasture	15 – summer annuals	

\* establishment is a new planting

\*\* topdress is an established planting

### Cover Crop Codes

1 – none      2 – winter rye      3 – oats      4 – legumes