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

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

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?____________

   Wood ash applied? ☐ Yes  ☐ No

   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
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

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