

Billing Code:

**Division of Regulatory Services
RESEARCH SOIL SAMPLE INFORMATION SHEET**

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RESEARCH/PROJECT IDENTIFICATION

Name _____ Code:

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Email _____

Date Sampled ____ / ____ / ____

Project Title (not more than 30 characters):

SAMPLE IDENTIFICATION

Research Sample No. (4 digits)	UK Lab Number	Samples/ Form	Check to Save
		1	
		2	
		3	
		4	
		5	
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		20	

SOIL

- 01 ___ (Routine Soil Test) PH BU MP MK MC MM ZN
- 05 ___ (Meh III Cd Cr Ni Pb Zn Cu Mo) CD CR NI PB Z2 C2 MO
- 07 ___ (Particle Size Analysis) TC SD ST CY
- 08 ___ (CEC Base saturation) BS CE BK BC BG BN
- 11 ___ (Organic Matter & Nitrogen) OM TN
- 12 ___ (Carbon & Nitrogen) X3 TN
- 15 ___ (Triazines) AZ SZ TZ
- 20 ___ (Water Holding Potential) X4 X5 WH
- 21 ___ (Oxalate Al, Fe, P) OA OF OP
- 22 ___ (Meh III Mn, Cu, Al, Fe) M1 CU MA MF
- 23 ___ (Micros B, Mn, Na, Cu, Fe, Mo) B1 M1 NA CU Y1 Y2
- 24 ___ (Soil water pH, Sikora I buffer pH) X1 X2
- 99 ___ (NAPT) BO CU M1 NA MF MA WP X7 SS

- OM ___ X3 ___ TN ___ BO ___ B1 ___
- CU ___ M1 ___ NA ___ SS ___ X6 ___
- MA ___ MF ___ Y4 ___ ___

WATER

_____ Routine Test (pH, alkalinity, EC, NO₃-N, P, K, Ca, Mg, Zn, Cu, Fe, Mn)

GREENHOUSE MEDIA

_____ Routine Test (Water saturation extract pH, EC, NO₃-N, P, K, Ca, Mg)

ANIMAL WASTE

_____ Routine Test(%H₂O,C,N,P,K,Ca,Mg,Zn,Cu,Fe, Mn)

If don't need everything in Routine, check needed analyses below

- _____ C and N
- _____ % H₂O
- _____ P, K, Ca, Mg, Zn, Cu, Fe, Mn

Keep a copy for your records

COMMENTS

Research Soil Sample

INSTRUCTIONS

1. Producer samples take precedence over research samples.
2. Research samples must be accompanied by a completed information sheet (form).
3. Only laboratory data will be reported for samples submitted with a research form. If fertilizer and lime recommendations are needed, samples should be submitted with the Agricultural Soil Sample Form.
4. Samples must be submitted in pint boxes (if to be saved) or in bags provided by the Soil Testing Lab.
5. For water holding capacity, saturation extract, or triazine residue, submit a pint sample for EACH test. If other tests are wanted, submit another sample and form.
6. If you want your samples saved, submit samples in soil test boxes and check the appropriate boxes on the form. Please pick up samples as soon as possible after tests are completed.
7. All samples on the form should have the same tests requested. If different tests are required, use more than one form.
8. Enter the User code in the appropriate place.
9. Write sample identification on this form AND on the sample box or bag.
10. Note on units and conversions:

Mehlich values obtained from soil volume with assumptions that soil density=1 g/cm³ and 1 acre represents 2,000,000 pounds of soil.

Lbs/acre = pp2m

Lbs/acre x 0.5 = mg/kg = ppm

cmol/kg=meq/100g

mmhos/cm x 0.1 = S/m

CODE EXPLANATION FOR TESTS

SOIL GROUP TESTS

- | | |
|----|--|
| 01 | Routine Soil Test: 1 M KCl soil pH, Sikora II Buffer pH, Mehlich III P, K, Ca, Mg, Zn (PH, BU, MP, MK, MC, MM, ZN) |
| 05 | Mehlich III Cd, Cr, Ni, Pb, Zn, Cu, Mo (mg/kg soil) |
| 07 | Texture Class (TC, SD, ST, CY) via micropipette method. Contact lab supervisor if macropipette method desired. |
| 08 | Base Saturation and Cation Exchange Capacity: %base saturation, cation exchange capacity, exch. K, exch. Ca, exch. Mg, exch. Na (BS, CE, BK, BC, BG, BN) |
| 11 | Organic matter & nitrogen (OM,TN,OM=%Cx1.72) |
| 12 | Carbon & nitrogen (X4, TN) |
| 15 | Triazine residue: atrazine, simazine, total of atrazine and simazine (AZ, SZ, TZ) |
| 20 | Water Holding Potential: % water at field capacity, % water at wilting point, % plant available water held between field capacity and wilting point (X4, X5, WH) |
| 21 | Oxalate Al, Fe, P (OA OF OP) |
| 22 | Mehlich III Mn, Cu, Al, Fe (M1 CU MA MF) |
| 23 | Mehlich III micronutrients B, Mn, Na, Cu, Fe, Mo (B1 M1 NA CU Y1 Y2) |
| 24 | Soil water pH and Sikora I buffer pH (X1 X2) |
| 99 | NAPT QC samples (BO NA WP M1 CU MA MF) |

SOIL INDIVIDUAL TESTS

- | | |
|----|--|
| OM | % Organic Matter (= %C x 1.72) |
| X3 | % C |
| TN | Total N (lbs/acre) (= %N x 20,000) |
| BO | Hot water boron (lb/acre) |
| B1 | Mehlich III boron (lb/acre) |
| CU | Mehlich III copper (lb/acre) |
| M1 | Mehlich III manganese (lb/acre) |
| NA | Mehlich III sodium (lb/acre) |
| SS | Conductivity of 1 soil: 2 water (mmhos/cm) |
| X6 | Calcium carbonate equivalence (% by wt) |
| MA | Mehlich III Al |
| MF | Mehlich III Fe |
| Y4 | Potential acidity (tons ag lime/acre) |