

**IOWA STATE UNIVERSITY SOIL & PLANT ANALYSIS LABORATORY**

**INFORMATION SHEET FOR SOIL RESEARCH SAMPLES TO BE ANALYZED USING DRY METHODS**

FULL NAME \_\_\_\_\_  
 DEPARTMENT \_\_\_\_\_  
 (Off-campus researchers please list complete mailing address on back of form.)  
**CAMPUS PHONE** \_\_\_\_\_  
 E-MAIL (print clearly) \_\_\_\_\_  
 ISU ACCOUNT TO BE CHARGED\*\*\* \_\_\_\_\_  
 TOTAL NUMBER OF SAMPLES \_\_\_\_\_

**Office Space - Do Not Use**

\*\*\*Samples will NOT be accepted without the above information.

**PLEASE READ PRIOR TO SUBMITTING SAMPLES:**

**NO INTERPRETATIONS OF RESULTS AND RECOMMENDATIONS WILL BE PROVIDED**

- All samples covered by this info sheet should require the same analysis. If not, divide into separate groups.
- Samples covered by this info sheet should be numbered with **SIMPLE, CONSECUTIVE** numbers (ex:1,2,3...100)  
 Samples submitted with ID numbers that do not comply with this request may incur additional handling fees.
- Please note that dried subsamples are measured for extraction using volumetric (scooping) technique.  
 Samples that are too small to scoop properly may be assessed a weighing fee
- Ground portion of the soil is saved for 1-2 months. If you require the ENTIRE sample to be saved, a charge of \$0.50 per sample will be assessed. Bulk/sub-samples should be retrieved within two months of completion of analysis. **Check here if you require the ENTIRE sample to be saved:** \_\_\_\_\_

<b>Fixed handling fee: \$3.00 per sample</b>	
Sample prep fees: dry & grind _____	\$2.50
grind only _____	\$1.00

\*\*\*NOTE: a 3% surcharge will be added to the total charges when payment is made using external funding sources. Checks only, please - credit cards not accepted.

**CHECK DESIRED TESTS (prices are per sample)**

Standard fertility test package: Dry soil Mehlich3 K and P, pH & Buffer pH, organic matter \_\_\_\_\_ \$12.00/sample

**Phosphorus (colorimetric):**

- \_\_\_\_\_ Bray-1 (\$2.50)
- \_\_\_\_\_ Olsen (\$2.50)
- \_\_\_\_\_ Mehlich 3 (\$2.50)

**Mehlich-3 Extraction (read on ICP):**

(\$3.00 for first element + \$0.75 each additional)

- |          |          |
|----------|----------|
| _____ P  | _____ Zn |
| _____ K  | _____ Cu |
| _____ Ca | _____ Fe |
| _____ Mg | _____ Mn |
| _____ Na | _____ Al |

**Potassium only (read on AAS):**

- \_\_\_\_\_ NH<sub>4</sub>OAc (\$2.00)
- \_\_\_\_\_ Mehlich 3 (\$2.00)

**Optional analyses:**

- \_\_\_\_\_ pH (1:1) (\$3.00)
- \_\_\_\_\_ Sikora buffer pH (\$3.00) [must include pH]
- \_\_\_\_\_ Inorganic Carbon (\$6.00)
- \_\_\_\_\_ Electrical Conductivity (\$6.00)
- \_\_\_\_\_ Hot water Boron (\$5.00)
- \_\_\_\_\_ Sulfate-S (PO<sub>4</sub> extracted) (\$5.00)

**NH<sub>4</sub>OAc Extraction (read on ICP)**

(\$3.00 for first element + \$.75 each additional)

- |          |          |
|----------|----------|
| _____ K  | _____ Mg |
| _____ Ca | _____ Na |

**Combustion Analyses:**

- |                        |  |
|------------------------|--|
| _____ TC (\$5.00)      | Note: Regression equation available upon request to calculate OM from TC |
| _____ TN (\$5.00)      |  |
| _____ OM (\$5.00)      |  |
| _____ Any two (\$9.00) |  |

**DTPA Micronutrients:**

(\$5.00 + \$0.75 each additional)

- |          |          |
|----------|----------|
| _____ Zn | _____ Fe |
| _____ Cu | _____ Mn |

**Inorganic-N (colorimetric):**

- \_\_\_\_\_ NO<sub>3</sub><sup>-</sup>-N (\$3.50)
- \_\_\_\_\_ NH<sub>4</sub><sup>+</sup>-N (\$3.50)
- \_\_\_\_\_ NO<sub>3</sub><sup>-</sup>-N plus NH<sub>4</sub><sup>+</sup>-N (\$6.00)
- \_\_\_\_\_ NO<sub>2</sub><sup>-</sup>-N (\$3.50)

**Greenhouse Media (SME)**

- \_\_\_\_\_ packaged analysis (\$20.00)  
 (includes P, K, Ca, Mg, pH, EC, Zn, NO<sub>3</sub><sup>-</sup>-N)

**Total Elements (via nitric acid microwave digestion; digest is read on an ICP):**

\$8.50/sample for digestion procedure

\$3.00 for first analyte, \$0.75 for each additional analyte

- |          |          |          |             |   |
|----------|----------|----------|-------------|---|
| _____ P  | _____ Mg | _____ Cu | _____ Al    | Please contact SPAL for additional analytes (including heavy metals). |
| _____ K  | _____ Na | _____ Fe | _____ S     |   |
| _____ Ca | _____ Zn | _____ Mn | _____ other |   |

**Check here for duplicate analysis** (all analytical prices except drying and grinding fees will be doubled).

NOTE: Please be aware that the length of time considered to be a "reasonable time frame" will vary based on the number of samples in the group submitted and the analyses requested by the researcher.

**Note: All prices are subject to change. Revised July 2014.**