IOWA STATE UNIVERSITY SOIL & PLANT ANALYSIS LABORATORY

NFORMATION 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 _____

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

Office Space - Do Not Use

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:**_____

Fixed handling fee: $3.00 per sample

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)

Potassium only (read on AAS):

_____ NH4OAc ($2.00)

_____ Mehlich 3 ($2.00)

NH4OAc Extraction (read on ICP)

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

_____ K _____ Mg

_____ Ca _____ Na

DTPA Micronutrients:

($5.00 + $0.75 each additional)

_____ Zn _____ Fe

_____ Cu _____ Mn

Inorganic-N (colorimetric):

_____ NO_3^--N ($3.50)

_____ NH_4^+-N ($3.50)

_____ NO_3^--N plus NH4+-N ($6.00)

_____ NO_2^--N ($3.50)

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

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_4 extracted) ($5.00)

Combustion Analyses:

_____ TC ($5.00)

_____ TN ($5.00)

_____ OM ($5.00)

_____ Any two ($9.00)

Note: Regression equation available upon request to calculate OM from TC

Greenhouse Media (SME)

_____ packaged analysis ($20.00)

(includes P, K, Ca, Mg, pH, EC, Zn, NO_3^--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

_____ K _____ Na _____ Fe _____ S

_____ Ca _____ Zn _____ Mn _____ other

Please contact SPAL for additional analytes (including heavy metals).

_____ **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.