

FIELD WORKSHEET For: All Soil, Manure, Fertilizer, Lime, Herbicide/Pesticide Tests

Date Submitted: _____ **Client #:** _____ **# Samples Submitted** _____

Client Name: _____ **Consultant:** _____

Address: _____ **Sampled By:** _____

<u>Office Use</u>	
Form #: _____	Due Date: _____
No. Samples Rec'd: _____	
Date Rec'd: _____	
Rec'd By: _____	

Check box if data is to be: Fax # _____ e-mail: (address) _____

Soil Audit Format:	ppm: ___ yes ___ no		Report unit: pick one: <input type="checkbox"/> lb/ac <input type="checkbox"/> lbs/1000 sq. ft. <input type="checkbox"/> kg/ha				Sample Depth: ___ inches ___ cm			
(16 Characters ea.)	Sample 1 (8 characters ea)		Sample 2 (8 characters ea)		Sample 3 (8 characters ea)		Sample 4 (8 characters ea.)		Sample 5 (8 characters ea)	
Sample Location	ID Space #1	ID Space #2	ID Space #1	ID Space #2	ID Space #1	ID Space #2	ID Space #1	ID Space #2	ID Space #1	ID Space #2

Please check desired package (Soil): S001 S001P S001A S001B S110 S001N S001AN S001BN S001PN S002 S003 S004 S004LM S005 S006 S006W=client water S007 S015 S019 S008 S009 S009LM S010 S011 S017 S171 S180 S251

(Manure, Fertilizer, Lime): Z001 Z002 Z003 Z004 X001 X002 X003 L001 L002

Other _____ If other tests are required on certain samples, note the samples below and specify the test by index code. (See backside.)

SOIL ANALYSIS

<u>CODE</u>	<u>TEST PACKAGE/DESCRIPTION</u>
S001	STANDARD SOIL, includes: pH, Organic Matter, Est. N. release, Bray II Phos., Exchange Capacity, % Base Saturation of Cation, MIII Extractable P-Mn-Zn-B-Cu-Fe-Al-S-Ca-Mg-K-Na
S001P	STANDARD SOIL, includes: pH, Organic Matter, Est. N. release, Bray I Phos., Exchange Capacity, % Base Saturation of Cation, MIII Extractable P-Mn-Zn-B-Cu-Fe-Al-S-Ca-Mg-K-Na
S001A	STANDARD SOIL, includes: Standard S001, SMP/Sikora Buffer pH, No Bray II Phos.
S001B	STANDARD SOIL, includes: Standard S001, SMP/Sikora Buffer pH, No Bray II Phos. (Exchange capacity and % Base Saturations are calculated using SMP/Sikora Buffer pH)
S110	AVAILABLE NITROGEN (NH₄-N + NO₃-N)
S001N	STANDARD SOIL, includes: Standard S001 and S110
S001AN	STANDARD SOIL, includes: Standard S001A and S110
S001BN	STANDARD SOIL, includes: Standard S001B and S110
S001PN	STANDARD SOIL, includes: Standard S001P and S110
S002	TOTAL SOIL ANALYSIS, includes: Total P, Ca, Mg, K, Na, B, Fe, Mn, Cu, Zn, Al, S
S003	SOIL-LESS MEDIA, includes: pH, Salt, Available Nitrogen (NO ₃ , NH ₄), Ca, Mg, P, K, Na, S, B, Mn, Zn, Fe, Al, Mo, Cu
S004	COMPLETE PHYSICAL ANALYSIS, includes: (A2LA) Particle Size, O.M. by Ash, Sand Fractions, Saturated Hydraulic Conductivity, 30 cm Moisture Retention, Air filled Pore Space, Capillary Pore Space, Total Pore Space, Bulk Density, Particle Density, pH, Visual Classification
S004LM	COMPLETE PHYSICAL ANALYSIS (LAB MIX)
S005	GREENHOUSE/NURSERY SOIL ANALYSIS, includes: S001, S110, Soluble Salts
S006	SATURATED SOIL PASTE, includes: (with DI – lab water) pH, Ca, Mg, K, Na, S, B, Fe, Mn, Cu, Zn, Al, P, Soluble Salts, Cl, Bicarbonate, ESP (calculated), SAR (calculated), Available N (NO ₃ + NH ₄)
S006W	SATURATED SOIL PASTE, includes: (with client water) Same as S006 but the lab uses client water instead of DI water
S007	NEW ZEALAND/AUSTRALIA STANDARD, includes: Standard S001, SMP/Sikora Buffer pH, Available N (NO ₃ + NH ₄) KCl extractable Al, Total Acidity, (Exchange Capacity and % base saturation, includes, KCl ext. Al)
S015	ALKALINE SOIL STANDARD, includes: pH, Organic Matter, Est. N. release, Ammonium Acetate Ca, Mg, K, Na, S, Olsen Phosphorus, Exchange Capacity, % Base Saturation of Cation, DTPA Extractable Fe, Mn, Cu, Zn
S019	SOIL HEALTH TOOL, includes: H3A Extractable Ca, Mg, K, Na, S, P, PO ₄ -P, Mn, Zn, B, Fe, Al, NH ₄ -N + NO ₃ -N, Water Extractable Organic C + Total N, Solvita Soil Respiration. Results are then used to assess overall soil health.
S008	BUNKER SAND CHARACTERISTICS, includes: Sand, silt, clay, Gravel, Sand Fractions, Organic Matter, Color, Crusting Characteristics, Visual Classification, Ball-lie Rating, Calcium Carbonate Equivalent
S009	MOISTURE CURVE PACKAGE, includes: S004 except pH & visual, plus Moisture Retention Curve
S009LM	MOISTURE CURVE PACKAGE (LAB MIX)
S010	NUTRIENT SOLUBILITY ANALYSIS, includes: pH, Ca, Mg, K, P, Na, B, Fe, Mn, Cu, Zn, Al, S
S011	GREENS MIX QC, Next day turn around, includes: Sand, <u>Silt & Clay (reported together)</u> , Gravel, Organic Matter, Sand Fractions, Saturated Hydraulic Conductivity
S017	GREENS MIX QC without PERC RATE, includes: Next day turn around, Sand <u>Silt & Clay</u> (reported together), Gravel, Organic Matter, Sand Fractions
S171	% Sand, Silt, Clay by Hydrometer
S180	% Sand, Silt, Clay by Pipette, Sand Fractions and Organic Matter at 360°C
S251	Gravel Fractions (in mm gradation)

FERTILIZER ANALYSIS

<u>CODE</u>	<u>TEST PACKAGE/DESCRIPTION</u>
X001	STANDARD FERTILIZER, includes: Total Nitrogen, Available Phosphorus, and Potassium
X002	STANDARD FERTILIZER + MINERALS, includes: X001, plus Sodium, Calcium, Magnesium, Iron, Manganese, Copper, Zinc, and Boron
X003	LIQUID GREENHOUSE FERTILIZER, includes: pH, Conductivity, Chloride, NO ₃ , NH ₃ , Sulfur, Calcium, Magnesium, Sodium, Phosphorus, Potassium, Boron, Iron, Manganese, Zinc, Copper, Aluminum, Molybdenum, Cobalt

ANIMAL WASTE (MANURE) ANALYSIS

<u>CODE</u>	<u>TEST PACKAGE/DESCRIPTION</u>
Z001	STANDARD MANURE ANALYSIS, includes: Moisture, Organic Matter, Mineral Matter, Nitrogen, Phosphorus, Potassium, NO ₃ -N and NH ₄ -N
Z002	STANDARD PLUS MINERALS, includes: Z001, plus Calcium, Magnesium, Sodium, Sulfur, Iron, Manganese, Copper, Zinc, Boron, NO ₃ -N and NH ₄ -N
Z003	NITRATES AND AMMONIA, includes: NO ₃ -N and NH ₄ -N
Z004	COMPOST ANALYSIS, includes: Moisture, Organic Matter, Mineral Matter, Nitrogen, Phosphorus, Potassium, Calcium, Magnesium, Sodium, Sulfur, Iron, Manganese, Copper, Zinc, Boron, C/N Ratio, pH

LIME ANALYSIS

<u>CODE</u>	<u>TEST PACKAGE/DESCRIPTION</u>
L001	STANDARD LIME ANALYSIS, includes: Calcium, Magnesium, and Fineness
L002	STANDARD LIME PLUS MINERALS, includes: L001, plus Sodium, Potassium, Sulfur, Iron, Manganese, Copper, Zinc, and Boron

HERBICIDE/PESTICIDE ANALYSIS

<u>CODE</u>	<u>TEST PACKAGE/DESCRIPTION</u>
IO010	AATREX (ATRAZINE)
IO120	CHLORPYRIFOS (LORSBAN, DURSBAN)
IO130	2,4-D
IO367	GLYPHOSATE
IQ001	HERBICIDE SCREEN #1, includes: Imazapyr (Arsenal), Imazaquin (Scepter), Imazethapyr (Pursuit)
IQ002	FULL HERBICIDE SCREEN
IQ003	FULL INSECTICIDE SCREEN
IQ063	FULL FUNGICIDE SCREEN
IQ012	AGRICULTURAL PESTICIDES, includes: Azinphos Methyl, Chlorpyrifos, Demeton, Diazinon, Disulfoton, Ethoprop, Malathion, Parathion-methyl, Phorate
EE549	AUDOBON MONITORING CORE (NO PESTICIDES), includes: DO, EC, Ammonia, Nitrate, pH, Total Phosphorus
EE522	AUDUBON MONITORING, includes: All Audubon Monitoring Core & 3 herbicides/pesticides