

Comparison of Soil Test Labs

4/3/2024 Update

General Information

- ASSUME PAYMENT MUST BE INCLUDED WITH SAMPLES.
- Organic matter (OM) is an important soil property to track, but it is not offered in some basic packages. Producers are advised to request OM even if they choose a lab that charges an additional fee for the information.
- Soil texture analysis is not offered by many labs in their basic packages. If labs do offer the analysis for a separate fee, it is often very expensive. Soil texture of the dominant map unit in a field can be obtained from Web Soil Survey.
- Soil sampling depth should be 8 inches.
- There is no need to request recommendations from the soil test labs.
- Most labs have order forms and price lists on their website.
- A new soil characteristic called the **Degree of Phosphorus Saturation** or **DPS** will be required on fields where phosphorus-bearing nutrient sources are intended and soil test phosphorus is equal to, or greater than, 150 FIV. Some labs already provide DPS as part of their basic packages while others do not. Consult the right column of the table below for information on acquiring DPS or the necessary information for calculating it.

Lab	Cost	Analyses	Comments	Degree P Saturation (DPS) or Al and Fe reported?
Waypoint Analytical Virginia, Inc. 7621 Whitepine Road Richmond, VA 23237 Phone: 804-743-9401 www.waypointanalytical.com	\$10.00 (Mehlich-3)	<u>S1M Package</u> OM, P, K, Ca, Mg, pH, buffer pH, CEC, % base saturation of cations	Several micronutrient combinations are also available. Contact Waypoint for more information.	Al and Fe can be requested for an additional \$2.75 per soil sample.
	\$15.00 (Mehlich-3)	<u>S2M Package</u> S1M Package Plus 2 Trace minerals (Select Fe and Al for High P soils)	Micronutrient options are: Boron, Copper, Iron, Manganese, Sodium, Sulfur, Zinc and Aluminum	<i>NuMan Pro 4.2 (and later)</i> can calculate DPS when soil test includes Mehlich-3 Fe & Al.
	\$20.00 (Mehlich-3)	<u>S3M Package</u> - S2M Plus all minerals		
Waypoint Analytical Pennsylvania, Inc. 280 Newport Road Leola, PA 17540 Phone: 717-656-9326 or 1-800-464-6019 www.waypointanalytical.com	\$10.00 (Mehlich-3)	<u>S1M Package</u> P, K, Ca, Mg, pH, buffer pH, CEC, % base saturation of cations	Several micronutrient combinations are also available. Contact Waypoint for more information.	OM is not included in standard test package. If desired, OM must be requested for an additional \$1.00/sample.
	\$14.00 (Mehlich-3)	<u>S2M Package</u> S1M Package Plus 2 Trace minerals (Select Fe and Al for High P soils)	Micronutrient options are: Boron, Copper, Iron, Manganese, Sodium, Sulfur, Zinc and Aluminum	Al and Fe may be selected as the 'two trace minerals' that may be added in the S2M analysis.
	\$19.00 (Mehlich-3) \$1.00	<u>S3M Package</u> - S2M Plus all minerals <u>OM</u>		<i>NuMan Pro 4.2 (and later)</i> can calculate DPS when soil test includes Fe & Al.

Lab	Cost	Analyses	Comments	Degree P Saturation (DPS) or Al and Fe reported?
AgroLab, Inc. 101 Clukey Dr. Harrington, DE 19952 Phone: 302-566-6094 www.agrolab.us	\$19.80	<u>CSF</u> pH, buffer pH, OM, P, K, Ca, Mg, Na, Mn, Zn, B, Cu, Fe, Al, NO ₃ -N CEC, percent base saturation of cations, Phosphorus Saturation Ratio	This lab provides NO ₃ -N, which measures soil nitrate levels - That is, Nitrogen immediately available to plants.	Yes. Phosphorus Saturation Ratio is the same as DPS and is part of their standard soil test.
Brookside Laboratories, Inc. 200 White Mountain Drive New Bremen, OH 45869 Phone: 419-977-2766 www.blinc.com	Price determined by consultant	<u>SOO1</u> pH, OM, Mehlich-3 P, Mn, Zn, B, Cu, Fe, Al, CEC, percent base saturation of cations, S, Bray II P	Brookside does not provide recs. Consultants develop the recs. Brookside prefers to receive samples from their consultants only.	Al and Fe are routinely reported for option SOO1. Always enter Mehlich-3 P in <i>NuMan Pro</i> . <i>NuMan Pro 4.2 (and later)</i> can calculate DPS from this information.
Pennsylvania Agricultural Analytical Services Lab Penn State University 111 Ag Analytical Svcs Lab University Park, PA 16802 Phone: 814-863-0841 http://agsci.psu.edu/aasl	\$10.00 \$5.00 \$6.00	<u>Standard Soil Test</u> pH, Mehlich lime requirement, P, K, Ca, Mg, Zn, Cu, S <u>OM</u> <u>Al & Fe</u> - required for high P soils to determine DPS for UM-PMT	See website for more analyses. NO ₃ -N, Nitrate Nitrogen may be tested for an additional \$8.00	Al and Fe can be requested for an additional \$6 per sample. They must be written in on the right column of the sample submittal form. <i>NuMan Pro 4.2 (and later)</i> can calculate DPS when soil test includes Mehlich-3 Fe & Al.
Spectrum Analytic, Inc. PO Box 639 1087 Jamison Road NW Washington Court House, OH 43160 Phone: 800-321-1562 www.spectrumanalytic.com	\$10.00 \$16.00 \$3.00 for additional Micronutrients	<u>S1</u> pH, buffer pH, OM, P, K, Ca, Mg, CEC, % base saturation of cations <u>S2</u> S1 Plus 3 Micronutrients <u>Al & Fe</u> - required for high P soils to determine DPS for UM-PMT	See website for more analyses, including additional micronutrients.	ron (Fe) and Aluminum (Al) can be tested in addition to S1 for an additional \$6.00. This costs as much as the S2 <i>NuMan Pro 4.2 (and later)</i> can calculate DPS when soil test includes Mehlich-3 Fe & Al.
University of Delaware Soil Testing Program 152 Townsend Hall 531 S. College Avenue Newark, DE 19717-1303 Phone: 302-831-1392 www.ag.udel.edu	\$14.00	<u>B1-Commercial Agriculture Soil</u> pH, lime requirement, OM, P, K, Ca, Mg, Mn, Zn, Cu, Fe, S, B, Al, Phosphorus Saturation Ratio.		Phosphorus saturation ratio is the same as DPS and is included in B1 Routine Analysis
Waters Agricultural Laboratories, Inc. PO Box 382 257 Newton Highway Camilla, GA 31730-7216 Ph: 229-336-7216 www.watersag.com	\$8.00 (Mehlich-3) \$9.00 (Mehlich-3) \$1.00 \$3.50	<u>Basic Test 2 (B2)</u> pH, buffer pH, P, K, Ca, Mg, CEC, % base saturation of cations <u>Routine Test 1 (R1)</u> Same as B2 PLUS ANY TWO: B, Zn, Mn, Fe, or Cu. <u>OM</u> (extra charge at GA location only) <u>Al-</u> Al and Fe are required for high P soils to determine DPS for UM-PMT	MD samples can now be sent to Georgia, Kentucky or N. Carolina locations. Kentucky Address: 2101 Calhoun Rd Highway 81 Owensboro, KY 40301 North Carolina Address: 364 W. Park Drive Warsaw, NC 28398	Fe and Al must be requested for high P soils. Select R1 test (including Fe) and add Al for \$3.50 extra. For the KY and GA locations, specify <u>Mehlich 3</u> on the soil submission form. OM is not standard at the Georgia location. To include OM, check the appropriate box on the soil submission form.

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	AUDOBON MONITORING, includes: All Audubon Monitoring Core & 3 herbicides/pesticides



SOIL TEST INFORMATION FORM FOR AGRONOMIC CROPS

Grower Name (Please Print):		Send copy to:	
Business Name:		ASCS Farm ID:	Business Name:
Street or R.D. No.:		Street or R.D. No.:	
City, State, and Zip:		County:	City, State, Zip:
Telephone No.:	Fax No.:	E-mail:	

Email report only: Check this box and record your email address if you would prefer to have your report sent to you by email rather than surface mail.
Note: Please submit payment of \$9 per sample (check payable to Penn State University) if NOT submitting samples in pre-paid kits.

Sample/Field Info				Last Year's Crop	Recommendations			Additional Analyses
For plow depth, use code 7, 9, or 12 7 = < 9" 9 = 9-11" 12 = > 12"				If legume, complete this column.	will be made for 3 crop years. For each sample, complete crop and yield goal information for years 1, 2, and 3. See back of form for crop codes and yield ranges.			See back of form for additional analyses not listed below. Enclose payment for additional tests with checks made payable to Penn State.
Field ID (10 digits or less)	Plow Depth (7,9, or 12)	# Acres	Last yr's crop code if legume	Crop-Year 1	Crop-Year 2	Crop-Year 3		
Sample bag serial #	Soil Type			Yield goal Crop 1	Yield goal Crop 2	Yield goal Crop 3		
							Organic Matter (\$5.00) Soluble Salts (\$5.00) Nitrate Nitrogen (\$5.00) DEP Permit 271 (\$235.00)	
							Organic Matter (\$5.00) Soluble Salts (\$5.00) Nitrate Nitrogen (\$5.00) DEP Permit 271 (\$235.00)	
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CROP CODES AND ADDITIONAL ANALYSES

Write Code Number (4 digits) into "Crop Code" blocks on opposite side of this page. Note also the acceptable yield range for each crop. If additional analyses are requested, record additional test request in column next to soil samples on opposite side of the page and submit payment for additional tests with sample. **Make checks payable to Penn State**

CROP CODE	CROP NAME	YIELD RANGE
ALFALFA GROUP		
1020	Planting Alfalfa	2-6 Ton / A
1023	Planting Alfalfa (no-till)	2-6 Ton / A
1035	Planting Alfalfa in Oats	2-6 Ton / A
1032	Planting Alfalfa in Wheat	2-6 Ton / A
1022	Planting Alfalfa-Trefoil	2-6 Ton / A
1021	Planting Alfalfa-Grass	2-6 Ton / A
1001	Established Alfalfa	4-8 Ton / A
1072	Established Alfalfa-Grass	4-8 Ton / A

CORN & SORGHUM GROUP		
1048	Millet for Grain	30-70 Bu / A
1049	Millet for Forage	2-6 T / A
1042	Corn for Grain	110-270 Bu / A
1044	Corn for Grain (no-till)	110-270 Bu / A
1043	Corn for Silage	17-38 Ton / A
1045	Corn for Silage (no-till)	17-38 Ton / A
1057	Sorghum for Grain	90-170 Bu / A
1063	Sorghum for Forage	15-31 Ton / A

LEGUME GROUP		
1030	Planting Crownvetch	2.5-4 Ton / A
1031	Planting Crownvetch (no-till)	2.5-4 Ton / A
1029	Planting Ladino Clover	2-4 Ton / A
1027	Planting Red Clover	2-4 Ton / A
1028	Planting Red Clover (no-till)	2-4 Ton / A
1037	Planting Red Clover in Oats	2-4 Ton / A
1034	Planting Red Clover in Wheat	2-4 Ton / A
1073	Planting Red Clover-Grass	2-4 Ton / A
1024	Planting Trefoil	1-3 Ton / A
1026	Planting Trefoil (no till)	1-3 Ton / A
1036	Planting Trefoil in Oats	1-3 Ton / A
1033	Planting Trefoil in Wheat	1-3 Ton / A
1025	Planting Trefoil-Grass	2-4 Ton / A
1011	Established Crownvetch	2.5-4 Ton / A
1014	Established Ladino Clover	2-6 Ton / A
1015	Established Red Clover	2-6 Ton / A
1074	Established Red Clover-Grass	2-6 Ton / A
1005	Established Trefoil	2-6 Ton / A
1006	Established Trefoil-Grass	2-6 Ton / A

GRAIN GROUP		
1068	Spring Barley	60-100 Bu / A
1060	Winter Barley	50-130 Bu / A
1069	Buckwheat	30-70 Bu / A
1059	Oats	60-120 Bu / A
1061	Rye	50-90 Bu / A
1064	Soybeans	40-80 Bu / A
1071	Sunflowers	10-30 CWT / A
1058	Wheat	40-120 Bu / A
1012	Canola	30-80 Bu / A
1013	Spelt	70-150 Bu / A
1050	Barley/Soybean Double	50-130 Bu / A
1051	Small Grain Silage	4 - 12 T / A

CROP CODE	CROP NAME	YIELD RANGE
GRASS GROUP		
1038	Planting Bluegrass	1-2 Ton / A
1039	Planting Bromegrass	1-5 Ton / A
1062	Planting Mixed Grasses	1-5 Ton / A
1040	Planting Orchardgrass	1-5 Ton / A
1085	Planting Reed Canarygrass	1-5 Ton / A
1041	Planting Timothy	1-5 Ton / A
1075	Planting Tall Fescue	1-5 Ton / A
1077	Planting Warm Season Grasses	1-5 Ton / A
1010	Established Bluegrass	1-4 Ton / A
1016	Established Bromegrass	3-7 Ton / A
1019	Established Mixed Grasses	3-7 Ton / A
1017	Established Orchardgrass	3-7 Ton / A
1086	Established Reed Canarygrass	3-7 Ton / A
1018	Established Timothy	3-7 Ton / A
1076	Established Tall Fescue	3-7 Ton / A
1078	Established Warm Season Grasses	3-7 Ton / A
1066	Sudangrass	1-5 Ton / A
1067	Sorghum-Sudangrass	15-27 Ton / A
1080	Renovating Pasture (with legume)	2-4 Ton / A
1081	Established Pasture (without legume)	2-4 Ton / A
1082	Established Pasture (with legume)	2-4 Ton / A
1083	Planting Pasture (without legume)	2-4 Ton / A
1084	Planting Pasture (with legume)	2-4 Ton / A

CONSERVATION RESERVE PROGRAM		
1054	CRP Cool Season Grass	---
1053	CRP Warm Season Grass	---

MISCELLANEOUS		
1052	Hops	---
1056	Wildlife Food Plots	---
1079	Brassicas	2-6 Ton / A
1800	Disturbed Lands	---
1055	Horticultural Cover Crop	---
1065	Tobacco	1 -1.5 Ton / A
1002	Hemp, for seed production	1000-2000 lbs / A
1003	Hemp, for fiber production	6-10 Ton / A

ADDITIONAL ANALYSES AND SERVICES	
Organic Matter	\$ 5.00
Soluble Salts	\$ 5.00
Nitrate Nitrogen	\$ 5.00
Ammonium Nitrogen	\$ 10.00
Total Nitrogen (combustion)	\$ 10.00
DEP Chapter 271 Individual Permit ¹	\$ 235.00
Total Sorbed Metals I ²	\$ 65.00
Total Sorbed Metals II plus mercury ³	\$ 160.00
Mercury	\$ 35.00
Selenium	\$ 27.00
Arsenic	\$ 27.00
Molybdenum	\$ 27.00
Lead	\$ 27.00
PCBs	\$ 80.00

¹Includes arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, zinc, and PCBs

²Includes total sorbed cadmium, copper, lead, nickel, zinc, and chromium (EPA Method 3050B/3051 + 6010)

³Includes total sorbed arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, chromium, selenium, zinc (EPA Method 3050B/3051 + 6010)

Soil Sample Information

Spectrum Analytic Inc.

1087 Jamison Road NW, Washington Court House, OH 43160-8748

Grower

Name	Account	
Address		
City	State	Zip
Date	Field Name (if grid sampled)	
<input type="checkbox"/> GPS		
No. Samples	<input type="checkbox"/> Recommendations. Specify crops and yield goals below	

Company

Name	Account	
Address		
City	State	Zip
Phone Number	<input type="checkbox"/> Fax to:	
Contact / Salesman	<input type="checkbox"/> Email to:	

Sample Identification <i>Up to 12 characters</i>	Acres	Last Crop	1st Year		2nd Year		3rd Year		Packages			Additional Test Requested									Lab Use Only			
			Crop	Yield	Crop	Yield	Crop	Yield	S1	S2*	S3	S	B	Cu	Fe	Mn	Zn	Na	Salt	Tex		Other		

Soil Test Packages

- S1 Basic Soil Test Package:** Includes Soil pH, Buffer pH (when needed), Organic Matter, Available Phosphorus, Exchangeable Potassium, Calcium, Magnesium, Cation Exchange Capacity (CEC), Percent Base Saturation of Cation Elements with recommendations.
- S2 Basic Plus Soil Test Package:** Includes Basic Soil Test with choice of three of the following micronutrients: Boron, Copper, Iron, Manganese, Sulfur and Zinc with recommendations. *Be sure to indicate three(3) micros of your choice.*
- S3 Complete Soil Test Package:** Includes Basic Soil Test with Boron, Copper, Iron, Manganese, Sulfur and Zinc with recommendations.

Soil Nitrogen Package

Requires a 12 inch deep sample that is dried before shipping.

NI Nitrate Nitrogen plus Ammonium Nitrogen

Additional Tests

SCN Soybean Cyst Nematode Analysis

Instructions

PRINT information clearly on the front of this form. Label soil sample bags carefully to match. Place completed soil sample information sheet in the box. Write return address on the box and ship samples to the following address. If you have questions, call us at 800-321-1562.

Send samples to:

Spectrum Analytic Inc.

1087 Jamison Rd NW

Washington Court House, OH 43160-8748

Turf & Ornamental soil tests must use the Turf & Ornamental soil sample information form.

Commonly Requested Crop Programs

With crop number codes and yield units. A more complete crop list is available at www.spectrumanalytic.com.

No	Crop	Unit	No	Crop	Unit	No	Crop	Unit
Agronomic Crops			Forage Crops			Horticultural Crops		
27	Barley	bu/A	10	Alfalfa Fall Seeding	ton/A	35	Asparagus	ton/A
51	Barley/Soybean (DC)	bu/A	134	Alfalfa Spring Seeding	ton/A	19	Beans, Field	bu/A
1	Corn (Grain)	bu/A	11	Alfalfa Topdress	ton/A	24	Beans, Snap	ton/A
148	Corn (Grain) in C-C Rotation	bu/A	209	Alfalfa & Orchardgrass Topdress	ton/A	40	Beets, Table	ton/A
148	Corn (Grain) in C-S Rotation	bu/A	254	Bromegrass Hay Topdress	ton/A	36	Broccoli	ton/A
2	Corn Silage	ton/A	60	Clover Seeding	ton/A	38	Cabbage/Collard/Kale	ton/A
56	Corn To Soybean 2yr	bu/A	13	Clover Topdress	ton/A	45	Cantelope/Muskmelon	ton/A
0	Idle/Fallow	-	65	Coastal Bermuda (Graze)	ton/A	75	Carrots/Parsnips	ton/A
8	Oats	bu/A	66	Coastal Bermuda (Hay)	ton/A	37	Cauliflower	ton/A
9	Oats & Legume	bu/A	63	Common Bermuda/Zoysia Graze	ton/A	414	Chicory	cwt/A
79	Popcorn	bu/A	78	CRP Grass & Legume Seeding	-	22	Cucumbers	cwt/A
32	Rice	bu/A	77	CRP Grass Seeding	-	41	Eggplant	ton/A
28	Rye	bu/A	126	Forage Grass Seeding	ton/A	39	Lettuce/Endive	ton/A
107	Seed Corn	bu/A	104	Grass & Legume Seeding	ton/A	73	Mustard/Greens	ton/A
16	Sorghum or Milo	cwt/A	12	Grass & Legume Topdress	ton/A	25	Onions	cwt/A
7	Soybeans	bu/A	5	Grass Cool Season Seeding	ton/A	17	Peas	cwt/A
149	Soybeans in C-S Rotation	bu/A	6	Grass Cool Season Topdress	ton/A	42	Peppers	ton/A
43	Sunflowers	cwt/A	276	Grass Cool Season Pasture	ton/A	20	Potato Early Maturity	cwt/A
29	Tobacco, Burley	cwt/A	64	Grass Warm Season	ton/A	21	Potato Full Season	cwt/A
49	Tobacco, Dark	cwt/A	390	Native Grass Forage Topdress	ton/A	44	Pumpkin	ton/A
50	Tobacco, Flue	cwt/A	128	Orchardgrass Seeding	ton/A	106	Pumpkin, Giant	-
4	Wheat & Legume	bu/A	260	Orchardgrass Topdress	ton/A	76	Spinach	cwt/A
3	Wheat, Winter	bu/A	105	Ryelage	ton/A	74	Strawberries	-
52	Wheat/Soybean (DC)	bu/A	59	Sorghum/Sudangrass	ton/A	117	Squash, Summer	ton/A
Sod & Trees			266	Sudangrass	ton/A	14	Sweet Corn	ton/A
34	Commercial Sod Seeding	-	127	Timothy Seeding	ton/A	18	Sugar Beets	ton/A
26	Commercial Sod Topdress	-	267	Timothy Topdress	ton/A	23	Tomato	ton/A
80	Christmas Tree	-	129	Wheatlage	ton/A	84	Turnip	cwt/A
884	Conifer Tree	-	2511	Wildlife Mix Seeding	-	120	Zucchini	ton/A
810	Fir, Balsam	-	62	Winter Graze/Cover Crop	ton/A	Fruit Crops		
811	Fir, Canaan	-				502	Blueberry Highbush	cwt/A
812	Fir, Concolour	-				83	Blueberry	cwt/A
813	Fir, Douglas	-				53	Fruit Orchard	-
814	Fir, Fraser	-				58	Grapes	ton/A
849	Spruce, Blue	-				525	Grapes Vinifera	ton/A
847	Spruce, Norway	-				57	Peaches	bu/A
841	Pine, White	-				520	Raspberry Mature	-

cwt = 100 lb. units DC = double crop



— Read instructions on back before filling in information below. —

INFORMATION SHEET — COMMERCIAL CROPS

SOIL TESTING LABORATORY — UNIVERSITY OF DELAWARE — NEWARK, DE 19716-2170

1. NAME AND ADDRESSES				LAB USE ONLY		
NAME (Print)		SEND ADDITIONAL REPORT TO: (Print)		LAB # _____		
ADDRESS		COMPANY NAME		BAG # _____		
CITY	STATE	ZIP	ADDRESS		REC'D _____	
TEL NO.		E-MAIL		CITY	STATE	
		STATE	ZIP			
2. SAMPLE AND FIELD IDENTIFICATION						
<div style="border: 1px solid black; display: flex; justify-content: space-between; width: 100%; height: 20px; margin-bottom: 5px;"></div> FIELD NAME OR NUMBER (Up to 15 characters)			<div style="border: 1px solid black; display: flex; justify-content: space-between; width: 40px; height: 20px; margin-bottom: 5px;"></div> ACRES (to nearest acre)	FIELD LOCATION COUNTY _____	<div style="border: 1px solid black; display: flex; justify-content: space-between; width: 100%; height: 20px; margin-bottom: 5px;"></div> DATE SAMPLED (month/day/year)	
3. SOIL IDENTIFICATION AND INFORMATION						
SOIL NAME From soil survey or conservation plan, obtain soil name (e.g., Woodstown sandy loam) OR map unit symbol (e.g., Wo) for soil occupying largest area of field.		SOIL DRAINAGE (X) <input type="checkbox"/> Well <input type="checkbox"/> Moderately Well <input type="checkbox"/> Somewhat Poorly <input type="checkbox"/> Poorly	TEXTURE (X) <input type="checkbox"/> Loamy Sand <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Loam <input type="checkbox"/> Silt Loam	COLOR (X) <input type="checkbox"/> Normal (light brown) <input type="checkbox"/> Gray <input type="checkbox"/> Black	SAMPLE DEPTH to (inches) (inches) <input type="checkbox"/> Surface 2 inches for herbicide activity in no-till.	
4. CROPS GROWN		5. TILLAGE AND COVER		6. IRRIGATION		
Enter crop codes from back of sheet in blocks below.		TILLAGE (X) <input type="checkbox"/> Conventional plow <input type="checkbox"/> Chisel plow <input type="checkbox"/> Disk only <input type="checkbox"/> No-till		Is this crop TO BE IRRIGATED?(X) <input type="checkbox"/> Yes <input type="checkbox"/> No		
LAST CROP <div style="border: 1px solid black; display: flex; justify-content: space-between; width: 60px; height: 20px;"></div>	CROP TO BE GROWN <div style="border: 1px solid black; display: flex; justify-content: space-between; width: 60px; height: 20px;"></div>	Place COVER CODE from back of sheet in blocks below.		TYPE OF SYSTEM (X) <input type="checkbox"/> Pivot <input type="checkbox"/> Gun <input type="checkbox"/> Trickle <input type="checkbox"/> Other		
Estimate YIELD OF LAST CROP (X) <input type="checkbox"/> Bushels <input type="checkbox"/> Boxes <input type="checkbox"/> Cwt. <input type="checkbox"/> Pounds <input type="checkbox"/> Tons Yield (per acre)	Enter additional crop code if an alternative recommendation is needed. 1. <div style="border: 1px solid black; display: flex; justify-content: space-between; width: 60px; height: 20px;"></div> 2. <div style="border: 1px solid black; display: flex; justify-content: space-between; width: 60px; height: 20px;"></div>	<div style="border: 1px solid black; display: flex; justify-content: space-between; width: 60px; height: 20px;"></div>		INJECTION PUMP? <input type="checkbox"/> Yes <input type="checkbox"/> No		
8. LAST FERTILIZER USE <div style="border: 1px solid black; display: flex; justify-content: space-around; width: 100%; height: 20px; margin-bottom: 5px;"></div> N P ₂ O ₅ K ₂ O (lbs/acre)		9. PREVIOUS LIME USE MONTHS since lime was last applied (X) <input type="checkbox"/> 0-6 months <input type="checkbox"/> 7-12 months <input type="checkbox"/> 13-18 months <input type="checkbox"/> 18 + months <input type="checkbox"/> Never <input type="checkbox"/> Unknown		10. FERTILIZER APPLICATION METHODS Fertilizer will be applied AT OR BEFORE PLANTING (X) <input type="checkbox"/> Broadcast <input type="checkbox"/> Preemergence spray <input type="checkbox"/> Banded, dry <input type="checkbox"/> Banded, liquid		
OTHER NUTRIENTS applied (X) <input type="checkbox"/> Sulfur <input type="checkbox"/> Boron <input type="checkbox"/> Manganese <input type="checkbox"/> Zinc		RATE of last application TONS/A to nearest half ton TYPE of lime used (X) <input type="checkbox"/> High magnesium <input type="checkbox"/> High calcium other		If SIDEDRESSING , give method (X) <input type="checkbox"/> Dry, between rows <input type="checkbox"/> Dribble <input type="checkbox"/> Through irrigation system other		
11. SOIL TESTS DESIRED — Enclose Proof of Purchase			12. COMMENTS (see item 12 on back of sheet)			
<input type="checkbox"/> Routine\$14.00 (pH, Buffer pH, P, K, Mg, Ca, Mn, Zn, B, S, PSR, Organic Matter)			_____ _____ _____			
<input type="checkbox"/> Soluble Salts.....\$8.00						

INSTRUCTIONS FOR SOIL TEST INFORMATION SHEET

Please fill out information sheet carefully and as completely as possible. The more information provided, the better the fertilizer recommendation. *Use one information sheet per sample* and include all information on each sheet.

1. **Names and Addresses** — *Clearly print* grower's name, address and zip code in first box. Second box is for commercial representatives, ASCS offices or others who should receive a report copy.
2. **Sample and Field Identification** — FIELD NAME is your field identification (can be name, numbers, or both). Record field size to nearest acre. Enter county in which field is located and date field is sampled.
3. **Soil Identification and Information** — From a county soil survey or farm conservation plan, obtain SOIL NAME or map unit symbol for soil occupying largest portion of field. If both are available, the map unit symbol is preferred. Two or more contrasting soil types occupying large, distinct areas should be sampled separately. Judge SOIL DRAINAGE, TEXTURE and COLOR as accurately as possible and check appropriate box. Under SAMPLE DEPTH, indicate starting and ending depths, e.g., 0" to 8", 8" to 16", etc. If sample is a surface 2" sample for assessing herbicide activity problems in no-till, check no-till box.
4. **Crops Grown** — Enter 3-letter CROP CODE for LAST CROP and CROP TO BE GROWN in blocks; e.g., /C/O/C/ for conventional tillage field corn. See crop code list below. If other additional crops are being considered, request alternative recommendation by filling 3-letter boxes under CROP TO BE GROWN. Enter estimated YIELD OF LAST CROP where indicated. Check box indicating units (bushels, boxes, etc.).
5. **Tillage and Cover** — Check box under TILLAGE which best describes plans for tilling NEXT CROP. Enter 3-letter COVER CODE for CURRENT COVER in blocks. This is especially important for no-till recommendations.
6. **Irrigation** — Check boxes to indicate if crop is to be irrigated, and what type of system will be used. *This extremely important information markedly affects yield potential and thus fertilizer recommendations.* Indicate if injection pump will be used for fertilizer applications.
7. **Manure** — If manure was, or will be, applied indicate type (poultry, swine, etc.), time of application and estimate rate in tons/acre. Only general recommendations can be made by this laboratory. For more precise recommendations for different handling systems and application methods, and for information regarding analysis of manure samples, contact your county Extension office.
8. **Last Fertilizer Use** — Record rate of N, P₂O₅ and K₂O applied most recently to field and when applied. Generally, this should represent total fertilizer applied to the previous crop. However, for double-cropped small grains and soybeans sampled in winter, record amount of fertilizer applied to small grains in fall.
9. **Previous Lime Use** — Indicate when lime was applied to field, as well as rate and type. *This is important* because your current need for lime can be reduced if lime was recently applied.

10. **Fertilizer Application Methods** — Indicate how fertilizer will be applied at planting. If crop will be sidedressed (primarily with nitrogen), check box describing method of application. Check more than one box if necessary.
11. **Soil Tests Desired** — Be sure that the tests desired are checked in this section. If special tests are needed, purchase them in advance at county Extension office, which will issue a receipt for amount required. Copy of receipt must be placed in envelope along with this information sheet.
12. **Comments** — If sample comes from problem area, describe problems including plant appearance and color, yield, etc. Also include information you feel is important that is not covered on the information sheet.

Taking Soil Samples

A pamphlet describing proper sampling techniques is provided with each purchase of soil testing bags at county Extension offices.

Submitting Samples

It is preferred that samples be submitted in the soil test kits provided by the UD Soil Testing Program, however, samples may be submitted in other containers (e.g., ziplock bags, kits from other labs, etc) so long as they 1) are clearly labelled, 2) are accompanied by an information sheet with your contact information, 3) contain enough sample (1-2 cups) and 4) are accompanied by payment or payment instructions. Completed kits may be returned to the laboratory by dropping them at the Program office, any Delaware Cooperative Extension Office (see below), by US mail or by any other delivery service (e.g., Fedex, UPS, etc).

Return of Results and Suggested Fertilizer Program

Soil test results and fertilizer program suggestions are returned directly to grower. A copy is also mailed to local ASCS office or company representative when requested. A copy is automatically mailed to your county Extension agent. Normally, the soil test report should be received within 14-18 days of submission of samples. However, allow more time in November, December, March and April. These are especially busy months for the soil testing lab.

Inquiries About Samples

Address inquiries about sample results and recommendations to local county Extension office. Providing the Bag Number of submitted samples is often helpful.

County Extension Offices

New Castle County: 461 Wyoming Road, Newark, DE 19716, (302) 831-2506.
Kent County: 69 Transportation Circle, Dover, DE 19901, (302) 730-4000.
Sussex County: Carvel Research and Education Center, 16483 County Seat Highway, Georgetown, DE 19947, (302) 856-7303.

CROP CODE LIST

Code	Name	Code	Name	Code	Name
	GRAIN CROPS		VEGETABLE CROPS	PES	Peas/Snap Beans, doublecropped
BAR	Barley	ASN	Asparagus, new beds	PEP	Peppers
BRS	Barley-Soybeans, doublecropped	ACN	Asparagus, cutting non-hybrid	POS	Potatoes, White, scab resistant
COC	Corn, conventional tillage	ACH	Asparagus, cutting hybrid	PON	Potatoes, White, non-scab resistant
CON	Corn, no-till	BEL	Beans, Lima	POR	Potatoes, Russet
OAT	Oats	BEN	Beans, Snap	PSW	Potatoes, Sweet
RYE	Rye	BEE	Beets	PUM	Pumpkins
SOC	Soybeans, conventional tillage	BRO	Broccoli	RAD	Radishes
SON	Soybeans, full season no-till	BSP	Brussels Sprouts	RUT	Rutabaga
SOG	Grain Sorghum	CAB	Cabbage	SPN	Spinach
SFL	Sunflowers	CRT	Carrots	SQU	Squash
WHT	Wheat	CAU	Cauliflower	SWC	Sweet Corn
WTS	Wheat-Soybeans, doublecropped	CEL	Celery	TOM	Tomatoes
	HAY, FORAGE, AND PASTURE CROPS	COL	Collards	TUR	Turnips
ALS	Alfalfa, seeding	CUK	Cucumbers	WMN	Watermelon
ALT	Alfalfa, topdressing	EGG	Eggplant		FRUIT CROPS
CSI	Corn Silage	ESH	Horseradish	APL	Apples
GCS	Grass or Grass/Clover Pasture, seeding	KAL	Kale	BLU	Blueberries
GCT	Grass or Grass/Clover Pasture, topdressing	LEE	Leeks	BRM	Brambles
SOS	Sorghum Silage	LET	Lettuce	CHR	Cherries
SUM	Sudan or Millet	MXV	Mixed Vegetables	GRA	Grapes
WCB	White Clover/Bluegrass Pasture, topdressing	MEL	Muskmelons	PER	Pears
		ONB	Onions, Bulb	PLU	Plums
		ONS	Onions, Scallion	PNC	Peaches, Nectarines
		PAR	Parsley	STR	Strawberries
		PSP	Parsnips		
		PEA	Peas		
		PEL	Peas/Lima Beans, doublecropped		

NURSERY CROPS-FIELD GROWN

Code	Name
DSB	Deciduous Shrubs
EVB	Broadleaf Evergreens
EVN	Needle Evergreens
TRS	Deciduous Trees
XMS	Christmas Trees

COVER CODE LIST

Code	Name
FAL	Fallow
CST	Corn or Sorghum Stubble
BST	Soybean Stubble
SGS	Small Grain Stubble
VET	Hairy Vetch
AWP	Austrian Peas
CCL	Crimson Clover
OAT	Oats
RYE	Rye
RYG	Ryegrass
ASD	Alfalfa Sod
GLS	Grass/Clover Sod, greater than 50% clover
GSD	Grass/Clover Sod, less than 50% clover



257 Newton Road, PO Box 382, Camilla, GA 31730
 ph (229) 336-7216 fax (229) 336-7967

website: www.watersag.com email: info@watersag.com

WAL Acct #

Extraction Method:

- Mehlich I
- Mehlich III
- Bray P 1

Soil And Plant Information Sheet

Charge To:	Grower Information	Results Reported Via
	Name: _____	Fax: <input type="checkbox"/>
	Farm: _____	Mail: <input type="checkbox"/>
	Field: _____	Email: <input type="checkbox"/>
Phone: _____	Fax: _____	<small>Email Address: _____</small>

Date Submitted:	Total Number of Samples:
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Sample Identification	Lab Number <small>(Lab Use Only)</small>	Crop Information		Soil Test Requested				Individual Elements							O.M.	Soil Texture	Soluble Salts	Other	Nematode		Plant Test			Remarks				
		Planned Crop	Yield Goal	RI	BII	BIII	BIV	S	B	Zn	Mn	Fe	Cu	Soil					Root	Basic	Other	Stage of Growth						

Explanation of Soil Test Packages

Routine 1: Phosphorus, Potassium, Magnesium, Calcium, Soil pH, O.M., Cation Exchange Capacity & Percent Base Saturation of Cation Elements PLUS ANY TWO OF: Zinc, Manganese, Iron, Copper, Boron, Sulfur

Basic 2: Phosphorus, Potassium, Magnesium, Calcium, Soil pH, O.M., Cation Exchange Capacity & Percent Base Saturation of Cation Elements

Basic 3: Phosphorus, Potassium, Magnesium, Calcium, Soil pH, O.M., Cation Exchange Capacity & Percent Base Saturation of Cation Elements. PLUS ANY FOUR OF: Zinc, Manganese, Iron, Copper, Boron, Sulfur

Basic 4: Phosphorus, Potassium, Magnesium, Calcium, Soil pH, O.M., Cation Exchange Capacity & Percent Base Saturation of Cation Elements. PLUS SULFATE SULFUR

Explanation of Nematode Test Package

Nematode Assay: Soil: Complete Parasitic Count
 Roots: Complete Parasitic Count

Explanation of Plant Tissue Test

Basic Test: Nitrogen, Phosphorus, Potassium, Magnesium
 Calcium, Sulfur, Boron, Zinc, Manganese, Iron & Copper

Other: List any element from above or Aluminum, Sodium, Molybdenum or Chloride

SOIL SAMPLE INFORMATION SHEET

CUSTOMER INFORMATION					GROWER INFORMATION				
Field Rep/Salesman					Send Report to e-mail				
Account #		Grower ID		Farm ID		Field ID			

Please check samples in column provided if Herbicide or Nematode analysis requested. If Herbicide, please indicate name of Herbicide in Add'l Info box below.

Lab Number (Lab Use Only)	Sample ID	S1M	S2M - Specify Add'l Tests									S3M	OM	Soluble			Add'l Tests	Intended Crop Code	Intended Crop Yield	Alternate Crop Code	Alternate Crop Yield	Previous Crop	Herbicide	Nematode	
			B	Cu	Fe	Mn	Na	S	Zn	Al	Salts			Texture	NO3-N										

S1M - Phosphorous, Potassium, Calcium, Magnesium, pH, Buffer pH
 S2M - S1M plus any two of the following: Sodium, Sulfate-Sulfur, Boron, Zinc, Manganese, Iron, Copper, Aluminum. Each add'l test (above two) costs an add'l fee.
 S3M - S1M plus all of the following: Sodium, Sulfate-Sulfur, Boron, Zinc, Manganese, Iron, Copper.

CROP CODES TO BE USED IF FERTILIZER RECOMMENDATIONS ARE REQUESTED

If the crop for which you would like recommendations is not listed, write the crop name in the crop code boxes.

FIELD CROPS	FORAGE CROPS	TURFGRASS	LANDSCAPE & HOMEOWNER
1. Barley 5. Canola 10. Corn 11. Corn/Soybeans Rotation 12. Corn - No Till 13. Corn Silage 25. Grain Sorghum 30. Oats 34. Popcorn 35. Rapeseed 39. Rye 40. Small grain/Spelt 45. Soybeans 46. Soybeans - No Till 62. Tobacco - Burley/MD 609 63. Tobacco - Dark 64. Tobacco - Flue Cured 70. Triticale 75. Wheat 92. Wheat/Beans Double Crop	41. Small grain (Oat, Barley) silage 78. Wheat Silage/Corn Silage 101. Alfalfa Hay 103. Alfalfa/Cool Season Grass Hay 105. Alfalfa Hay Establishment 106. Alfalfa/Warm Season Grass Hay 151. Clover/Legume Hay 152. Clover/Legume Pasture 172. Cool Season Grass Pasture INDICATE TYPE OF GRASS AND/OR LEGUME 297. OTHER HAY 298. OTHER PASTURE 299. CRP PRODUCTION VEGETABLE, FRUIT, NUT & SPECIALTY CROPS 307. Beans - Lima 369. Peppers 309. Beans - Snap 372. Potatoes 320. Cabbage 374. Pumpkins 322. Cantaloupe 381. Spinach 330. Cucumbers 382. Squash 348. Kale 383. Sweet Corn 358. Mustard greens 384. Sweet Potato(ton) 361. Onions (bulbing) 385. Tomatoes	173. Cool Season Grass Hay 181. Fescue Hay 182. Fescue Pasture 183. Fescue/Legume Hay 184. Fescue/Legume Pasture 187. Forage Sorghum Silage 237. Ryegrass 256. Sudangrass	516. Bentgrass Fairway 517. Bentgrass Green 518. Bentgrass/Bluegrass Green 533. Bluegrass Lawn 534. Bluegrass Sod Production 561. Fescue Athletic Field 563. Fescue Lawn 564. Fescue Sod Production
			340. Garden 628. Groundcover 681. Shrubs - Acid Loving (Azalea) 683. Shrubs - ornamental 685. Trees 686. Trees - Acid Loving
			NURSERY & CHRISTMAS TREES 650. Nursery 610. Christmas Trees 611. Christmas Trees - Blue Spruce 612. Christmas Trees - Fir

Additional Tests or Other Information

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SOIL SAMPLE INFORMATION SHEET

CUSTOMER INFORMATION				GROWER INFORMATION			
				Send Report to e-mail address			
Account #		Grower ID		Farm ID		Field ID	

Please check samples in column provided if Herbicide or Nematode analysis requested. If Herbicide, please indicate name of Herbicide in Add'l Info box below.

Lab Number (Lab Use Only)	Sample ID (6 chars. max)	S1M	S2M - Specify Add'l Tests								S3M	Soluble Salts	Texture	NO3-N	Additional Tests	Intended Crop Code	Intended Crop Yield	Alternate Crop Code	Alternate Crop Yield	Previous Crop	Herbicide	Nematode
			B	Cu	Fe	Mn	Na	S	Zn													

S1M - Organic Matter, Phosphorous, Potassium, Calcium, Magnesium, pH, Buffer pH
 S2M - S1M plus any two of the following: Sodium, Sulfate-Sulfur, Boron, Zinc, Manganese, Iron, Copper. Each additional test (above two) cost \$2.00.
 S3M - S1M plus all of the following: Sodium, Sulfate-Sulfur, Boron, Zinc, Manganese, Iron, Copper.

CROP CODES TO BE USED IF FERTILIZER RECOMMENDATIONS ARE REQUESTED
 If the crop for which you would like recommendations is not listed, write the crop name in the crop code boxes.

FIELD CROPS	FORAGE CROPS		TURFGRASS
1. Barley	101. Alfalfa Hay	161. Coastal Bermuda Hay	512. Bahiagrass Lawn
5. Canola	103. Alfalfa/Cool Season Grass Hay	162. Coastal Bermuda Pasture	513. Bahiagrass Sod Production
10. Corn	106. Alfalfa/Warm Season Grass Hay	172. Cool Season Grass Pasture	517. Bentgrass Green
11. Corn/Soybeans Rotation	116. Bahiagrass Hay	173. Cool Season Grass Hay	521. Bermudagrass Athletic Field
12. Corn - No Till	117. Bahiagrass Pasture	181. Fescue Hay	522. Bermudagrass Fairway
13. Corn Silage	121. Common Bermuda Hay	182. Fescue Pasture	523. Bermudagrass Green
20. Cotton	122. Common Bermuda Pasture	183. Fescue/Legume Hay	524. Bermudagrass Lawn
21. Cotton - No Till	123. Common Bermuda/Legume Hay	184. Fescue/Legume Pasture	525. Bermudagrass Sod Production
25. Grain Sorghum	124. Common Bermuda/Legume Pasture	237. Ryegrass	526. Bermudagrass Tee
30. Oats	INDICATE TYPE OF GRASS AND/OR LEGUME		533. Bluegrass Lawn
32. Peanuts	297. OTHER HAY		534. Bluegrass Sod Production
34. Popcorn	298. OTHER PASTURE		546. Centipede Lawn
35. Rapeseed	299. CRP		547. Centipede Sod Production
36. Rice	VEGETABLE CROPS		561. Fescue Athletic Field
39. Rye	307. Beans - Lima	381. Spinach	563. Fescue Lawn
45. Soybeans	309. Beans - Snap	382. Squash	564. Fescue Sod Production
46. Soybeans - No Till	320. Cabbage	383. Sweet Corn	576. St. Augustine Lawn
51. Sugarcane - Plant	322. Cantaloupe	384. Sweet Potato(ton)	577. St. Augustine Sod Production
52. Sugarcane - Stubble	330. Cucumbers	391. Sweet Potato(bu)	583. Zoysiagrass Lawn
62. Tobacco - Burley	340. Garden	385. Tomatoes	584. Zoysiagrass Sod Production
63. Tobacco - Dark	369. Peppers	398. Watermelons	
64. Tobacco - Flue Cured	FRUIT & NUT CROPS		
75. Wheat	400. Apples	410. Blueberries	
78. Wheat Silage/Corn Silage	420. Citrus	430. Grapes	
92. Wheat/Beans Double Crop	470. Peaches	475. Pecans	
	490. Strawberries		

Additional Tests or Other Information

Submittal of information sheet to Waypoint Analytical, Inc. is acceptance of our terms and conditions. All prices are subject to change without notice. Additional fees may be charged to client if sample requires additional preparation procedures.

