

MAINE SOIL TESTING SERVICE (STS) and ANALYTICAL LAB (AL)**Soil Test Packages:****(Price per sample unless otherwise indicated)**

1. Standard Soil Test (pH; Lime Index; Available Phosphorus, Potassium, Calcium, Magnesium, Sulfur, Boron, Copper, Iron, Manganese, Sodium, Zinc by modified Morgan method; Organic matter; Metals scan; Calculated Cation Exchange Capacity). Recommendations for corrective amendments.	\$20 (starting 7/1/23)
1A. Comprehensive Soil Test: Standard Test plus Available nitrogen (Nitrate plus Ammonium) – Most appropriate for samples taken from May to September.	\$25
1B. Winter discount - full Standard Soil Test, run on any soil sample received at the lab between January 1 and March 1 . <i>Sample in late fall, set aside to air-dry until discount period.</i> Report will be sent out within 4 weeks. This discount applies to the basic Standard Soil Test only .	\$15
1C. Volume Discount: 30 or more samples in 1 delivery for Standard Soil Test. Samples must be shipped or delivered in STS sample containers	\$15
2A. Add-on charge for Soil Biological Health (Microbial Biomass w/ suggested guidelines)	\$12
2B. Add-on charge for Soluble Salts	\$7
2C. Add-on charge for Nitrate + Ammonium Nitrogen	\$5
3A. Basic High Tunnel Package (newer houses < 3 yrs. old or regularly uncovered or flushed) - Standard (Field) Soil Test with recommendations, plus Soluble Salts, Nitrate+Ammonium.	\$25
3B. Long-term/Combined High Tunnel Package (for older, unflushed or heavily amended houses): Basic High Tunnel Test PLUS Saturated Media Extract for all major and micronutrients. Two-page report with both season-long and short-term nutrient availability.	\$30
4. Soil Health/Quality Package (Comprehensive Soil Test plus Texture, Aggregate Stability, Plant-available Water, Total C/N, Active Carbon, Respiration/Biomass, Nitrogen Supply Potential, and Soil Compaction Evaluation [penetrometer readings taken at sampling time])	\$80
5. Nutrient Management/Grid Sample Package (Soil pH; Lime buffer pH; Available P, K, Mg, Ca, Fe, Mn, Zn). <i>Customer choice of extraction method: Morgan, modified Morgan, or Mehlich-3.</i> Data reported in spreadsheet format, without recommendations.	\$15
6. Greenhouse Media Analysis (pH; Total Soluble Salts; Nitrate+Ammonium-N, Ca, K, Mg, P, Al, B, Cu, Fe, Mn, Mo, Na, S, Zn) by Saturated Media Extract	\$20
7. Forest Soil Package (pH, exchangeable acidity, Total C/N, LOI-OM, Ammonium chloride-extractable Ca, K, Mg, P, Al, Fe, Mn, Na, Zn; Calculated CEC)	\$45
8. Total Sorbed Metals Package Cd, Cu, Pb, Ni, Cr, Zn by EPA 3050B (D.L ~1ppm)	\$60 (plus Arsenic \$70)

Additional/Separate Analyses upon request:**(Price per sample unless otherwise indicated)**

9. Additional/Add-on Extractions (Mehlich 3, Morgan, Modified Morgan, Am. Oxalate, DTPA)	\$12
10. Lead Scan (Total Soil Lead content - nitric acid extraction)	\$12
11. Organic Matter only	\$12
12. Nitrate Only (PSNT: 1 – 2 day turnaround)	\$15
13. Nitrogen Mineralization Potential (PMN)	\$25
14. Water Stable Aggregate Analysis: 0.25+, 0.5+, 1.0+ mm size choices (separate sizes run and charged separately)	\$24
15. Soluble Salts only	\$10
16. Particle Size Analysis (Texture)	\$24
17. pH only OR pH plus lime requirements	\$12
18. Exchangeable Acidity (titration)	\$15
19. Cation Exchange Capacity (measured by Displacement Method at pH 7.0)	\$35
20. Sulfate-S (Phosphate extract)	\$12
21. KCl extractable NH ₄ and NO ₃	\$18
22. EPA Acid Digestion Method 3051 ----- Plus Charge for any Element by ICP (Al,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,P,Pb,S,Ti,V,Zn)	\$20/sample \$10/element
23. Mercury (EPA Method 7471)	\$65
24. Total Si (HF digestion)	\$70
24. Combustion Analysis – total C, total N-----	\$20 for any one element \$25 for both
Prepped sample credit (dried & sieved) -----	\$3 credit
25. Water extractable Nitrate Nitrogen, Sulfate-S, Chloride Plus Charge for water extraction of solid sample	\$10/per ion \$20/sample

PLANT TISSUE TESTS (AL)**(Price per sample unless otherwise indicated)**

1. Standard Analysis (Nitrogen, Phosphorus, Potassium, Calcium, Magnesium, Aluminum, Boron, Copper, Iron, Manganese, and Zinc)----- (if sample dried & ground) -----	\$30 \$27
2. Combustion Analysis – total N, total C Prepped sample credit (dried & ground)	\$20 for any one element \$25 for both \$3.00 credit
3. Phosphorus, Potassium, Calcium, Magnesium, Aluminum, Boron, Copper, Iron, Manganese, and Zinc (by dry ashing)----- (if sample dried & ground) -----	\$20 \$17
4. Nitrate-N (turnaround in 1–2 working days)	\$25
5. EPA Acid Digestion Method 3051 ----- Plus Charge for any Element by ICP (Al,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,P,Pb,S,Ti,V,Zn)	\$20 per sample \$10/element
6. Mercury (EPA Method 7471)	\$65

Fertilizer, Manure, Solid Wastes, and Soil Amendments**Packages:****(Price per sample unless otherwise indicated)**

1. Manure Quality Analysis (% Moisture, Total Nitrogen, Ammonia Nitrogen, Calcium, Phosphorus, Potassium, Magnesium, Boron, Copper, Iron, Manganese, Sodium, Zinc).	\$45 - Requires approx. 500cc (~1lb cottage cheese sized container)
2A. Basic Compost Test (bulk density, pH, conductivity, TS, TVS, NO ₃ -N, NH ₄ -N, total C, total N, total P,K, Mg, Ca, B, Cu, Fe, Mn, Zn)	\$60 - Requires 1 quart zip-loc bag of sample.
2B. Comprehensive Compost Test - Basic Compost Test plus Dewar Self-Heating Test (maturity level and status of composting process).	\$70 - Requires a FULL gallon zip-loc bag of sample.
3. Compost Feedstock Test (bulk density, TS, TVS, total C, total N)	\$35 - Requires 1 quart zip-loc bag of sample.
4. Standard Sludge Analysis --(Regulatory Characterization) (TS, TVS, pH, TKN, NH ₄ -N, NO ₃ -N, Cl, As, Ca, Cd, Cr, Cu, Fe, Hg, K, Mg, Mo, Na, Ni, P, Pb, Se, Zn)	\$375
5. Commercial Fertilizer Analysis For Label Guarantee (Total Nitrogen, Available Phosphorus, Soluble Potassium - includes splitting, grinding, and archiving.)	\$65
6. Lime Package: Calcium Carbonate Equivalence of Liming Materials, % Ca and Mg, Sieve Test (20, 40, 60, 80, 100 mesh)	\$65
7. Total Sorbed Metals Package : Cd, Cu, Pb, Ni, Cr, Zn by EPA 3050B (D.L 1ppm)	\$60 (plus Arsenic \$70) see form for additional elements (\$10each)

Additional/Separate Analyses upon request:**(Price per sample unless otherwise indicated)**

8. pH (saturated media extract)	\$15 (\$24 with EC)
9. EC - Electrical Conductivity (saturated media extract)	\$15 (\$24 with pH)
10. Moisture	\$12
11. Total Kjeldahl Nitrogen	\$30
12. Water extractable Nitrate Nitrogen, Sulfate-S, Chloride Plus Charge for water extraction of solid sample	\$10/per ion \$20/sample
13. Combustion Analysis – total N, total C----- Prepped sample credit (dried & ground)-----	\$20 for any one element \$25 for both \$3.00 credit
14. Available Phosphorus & Soluble Potassium by Neutral Ammonium Citrate extract	\$40
15. Calcium Carbonate Equivalence of Liming Materials	\$40
16. Total P, K, Mg, Ca, B, Cu, Fe, Mn, Zn (by dry ashing)	\$20 (\$17 dried & ground)
17. *EPA Acid Digestion Method 3051 ----- Plus Charge for any Element by ICP (Al,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,P,Pb,S,Ti,V,Zn)	\$20/sample \$10/element
18. Phosphorus Source Coefficient (PSC) with Manure Test	\$20 (\$30 alone)
19. Mercury (EPA Method 7471)	\$65
20. Total Silica (HF digestion)	\$70
21. Compost Stability test (Dewar/self heating)	\$20
22. Compost Sieve test (1 in.,0.5 in.,#4,#10,#40,#200)	\$35
23. KCl extractable NH ₄ and NO ₃	\$22
24. Total Volatile Solids/Ash	\$ 12

WATER AND WASTEWATER (AL)**Packages:****(Price per sample unless otherwise indicated)**

1. Irrigation Water Analysis (Nitrate, Ammonium, pH, Conductivity, Alkalinity, Ca, K, Mg, P, Al, B, Cu, Fe, Mn, Na, S, Zn) Pricing for water samples ONLY.	\$40
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Additional/Separate Analyses upon request:**(Price per sample unless otherwise indicated)**

2. Filtration charge (if needed, prior to analysis)	\$ 5
3. Total Alkalinity	\$20
4. Nitrogen, Ammonium (Colorimetric Analysis) on solutions only	\$12
5. Nitrogen, Nitrate (Colorimetric Analysis)	\$12
6. Nitrogen, Total (Persulfate digest)	\$25
7. pH	\$10
8. Phosphorus, Ortho (Colorimetric Analysis)	\$12
9. Total P (Persulfate digest/Colorimetric Analysis – SM 4500-P B.5)	\$25
10. Solids, Dissolved	\$ 15
11. Solids, Suspended	\$ 15
12. Electrical Conductivity	\$ 10
13. Nitrate Nitrogen, Sulfate-S, Phosphate-P, and/or Chloride by Ion Chromatograph	\$12/per ion
14. Soluble Elements (for any Element by ICP) (Al,B,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Mo,Na,Ni,P,Pb,S,,Zn)	\$12/element
15. *EPA Acid Digestion Method 3051 ----- Plus Charge for any Element by ICP (Al,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,P,Pb,S,Ti,V,Zn)	\$20/sample \$10/element
16. Mercury (EPA Method 7471)	\$65