



Serving agriculture and soil fertility professionals

A **MATRIX SCIENCES** COMPANY

# FEES & SERVICES



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# GENERAL INFORMATION

AgroLab, Inc. is an independent agronomy laboratory serving professional crop advisors, agricultural support businesses, farmers, golf courses, lawn care companies, soil - compost manufactures and more. The below services and pricing are designed for commercial customers. **Services for non-commercial customers are indicated with an asterisks \*.**

## TURNAROUND TIME

- In general, soil + plant reports are provided in 1 working day. Extension test requirements require 1—4 days.

## REPORTING FORMAT

- Reports can be customized in combinations of table reports, data files, graphic reports, and crop recommendations according to yield and crop type.
- Standard reports are emailed or faxed to customers for fast turnaround; hard copies are provided/mailed if requested.
- Special text files can be provided to accommodate mapping programs or other soil/plant/manure programs.

## DISCOUNTS

- Discounts are available for high volume accounts.

## SAMPLE HOLDING

- Samples are held for 1-3 months to accommodate rerun requests.

## ACCOUNT SETUP

- AgroLab can set up individual accounts according to preference relating to emails, reports, file size, file types, billing and more.

## BILLING

- Invoices accommodate sample reports. A statement is provided at the end of each month.

- Payment is due to receive results.

## ONLINE SERVICES

- Access via “Customer Login” on the main webpage at [www.agrolab.us](http://www.agrolab.us).

- View all past reports by date or “results for,” csv files and invoices.

## .GRID SAMPLING SERVICES

- Gain access to our GPS software, which provides reports, RX application files, links to data management programs and more. Call for prices

## Primary Analytical Methods & Accreditation

Soil Mehlich III extraction (standard)	A3769 Methods for Manure Analysis
Soil Modified Morgan extraction (per request)	North American Soil & Plant Proficiency Testing (NAPT) Program
Soil Loss on Ignition % OM	Agricultural Laboratory Soil Proficiency (ALP) Program
Recommended Chemical Soil Test Procedures for the North Central Region No. 221	Minnesota Department of Agriculture – Manure & Soil Testing Certification
KCL extraction for NO <sub>3</sub> -N and NH <sub>4</sub> -N	Compost Methods according to TMECC + STA
Total Metals EPA method 3051A/6010C/7174A	Compost Analysis Proficiency (CAP) Testing Program
Manure Analysis Proficiency Program (MAP)	

## SOIL TEST ANALYSIS

<b>Basic Soil Fertility (BSF)</b>	<b>\$11.00</b>
Soil pH (1:1), Buffer pH, Organic matter (%), Cation exchange capacity/sum of the cations (meq/100g), Phosphorus (ppm P), Phosphorus Saturation Ratio , Potassium (ppm K), Calcium (ppm Ca), Magnesium (ppm Mg), Cation base saturations. The BSF with graph (\$12.24) includes sodium (Na) with cation base saturation graphs.	
<b>Sandy Loam Special (SLS)</b>	<b>\$15.30</b>
BSF +: Sulfur (ppm SO <sub>4</sub> -S), Manganese (ppm Mn), Zinc (ppm Zn), Boron (ppm B). SLS with graphic report: \$16.37	
<b>Complete Soil Fertility (CSF) (S3/S102)</b>	<b>\$21.19</b>
SLS +: Copper (ppm Cu), Iron (ppm Fe), Sodium (ppm Na), Aluminum (ppm Al), Soluble Salts (mmho/cm), Nitrate (ppm NO <sub>3</sub> -N), Ammonium (NH <sub>4</sub> -N), recommendations and sufficiency graphic report.	
<b>Wildlife Food Plot (CSF) (S155)</b>	<b>\$21.78</b>
BSF with sufficiency graph and recommendations for perennial clover and small grain/hay mixed crop.	
<b>BSF, Nitrate (NO<sub>3</sub>-N) + Ammonium (NH<sub>4</sub>-N) (S37)</b>	<b>\$18.65</b>
<b>SLS, Nitrate (NO<sub>3</sub>-N) + Ammonium (NH<sub>4</sub>-N) (S28)</b>	<b>\$18.90</b>
<b>Soil Nitrate (PSNT) Nitrate &amp; Ammonium (S22)</b>	<b>\$10.70</b>
<b>Soil Texture by Hydrometer (S127)</b>	<b>\$26.62</b>
% sand, % silt, % clay and USDA soil classification.	
<b>ASTM Highway Soil Specifications (S145)</b>	<b>\$94.00</b>
Mehlich III nutrients, pH, soluble salts, % OM, soil texture + particle size separation	
<b>Particle Size Separation</b>	<b>\$12.00 per sieve</b>
% retained + % passing	
<b>Crop Recommendations Per Sample</b>	<b>\$2.50</b>
<b>Graphic Format Per Sample</b>	<b>\$1.07</b>
<b>Additional Test Items</b>	
Total N, total P, Solvita soil health, Modified Morgan extraction, water extraction, dissolved phosphorus, saturated paste.	

## LAWN AND TURF ANALYSIS

<b>*Complete Turf (sod production, sports fields, tees &amp; greens etc.)* (S152)</b>	<b>\$24.20</b>
CSF with sufficiency graph and recommendations.	
<b>Lawn Care Special (Lawn care businesses only) (S150)</b>	<b>\$15.13</b>
BSF with graph and recommendations (lbs/1,000 sf) within the Livable Lawns standards.	
<b>*Home owner Lawn/Garden Special* (S152)</b>	<b>\$24.20</b>
CSF with graph and recommendations (lbs/1,000 sf) for a typical garden crop. Samples are delivered.	
<b>*Homeowner Soil sample mailer kit* (S153)</b>	<b>\$34.50</b>
CSF same as above. Individual soil test kits for lawn, gardens or wildlife food plots are made easy. Kit includes sample bag, instructions, sample information submission form, and a postage-paid envelope. Results are emailed and mailed once finished.	

## HEAVY METALS ANALYSIS

<b>Digestion</b> EPA method: 3051A	<b>\$12.25 per sample</b>
<b>Element by EPA Method 6010C</b> Al, As, B, Ca, Cd, Cr, Cu, Fe, Pb, Mo, Ni, Se, Zn	<b>\$12.25 per element</b>
<b>Mercury (Hg) by EPA Method 7471A</b>	<b>\$61.00 per sample</b>

## PLANT TISSUE ANALYSIS

<b>Standard (P1)</b> <i>(data provided on a dry basis and sufficiency levels based on crop and crop stage)</i> % Nitrogen (N), % Phosphorus (P), % Potassium (K), % Calcium (Ca), % Magnesium (Mg), % Sulfur (S), ppm Zinc (Zn), ppm Iron (Fe), ppm Manganese (Mn), ppm Copper (Cu), ppm Boron (B), ppm Sodium (Na), ppm Molybdenum (Mo).	<b>\$35.31</b>
<b>Petiole (P2)</b> Nitrate (ppm NO <sub>3</sub> -N), % Nitrogen (N), % Phosphorus (P), % Potassium (K), % Calcium (Ca), % Magnesium (Mg), % Sulfur (S), ppm Zinc (Zn), ppm Iron (Fe), ppm Manganese (Mn), ppm Copper (Cu), ppm Boron (B), ppm Sodium (Na), ppm Molybdenum (Mo).	<b>\$43.12</b>
<b>SAP Plant Tissue ( Options to include Complete, Super SAP, Soil &amp; Plant Combo) \$52.97 Comp</b>	<b>\$88.28</b>
AgPro and AgroLab/Matrix have partnered to provide SAP extracted nutrients within an extensive database to better assess soluble nutrients in any plant. Larger sample sizes are needed and more details are available per request.	
<b>Stalk Nitrate Test (P55)</b> Nitrate (ppm NO <sub>3</sub> -N) + sufficiency levels.	<b>\$26.75</b>
<b>Entire Plant Analysis (P8)</b>	<b>\$49.00</b>

## FEED ANALYSIS

<b>Standard NIR Digestibility with minerals (F7)</b> % Moisture, % Dry Matter, % Crude Protein, % Digestible Protein, % ADF, % NDF, RFV, Energy Gain, Fat, Ash, % Calcium (Ca), % Phosphorus (P), % Potassium (K), % Magnesium (Mg), ppm Zinc (Zn), ppm Iron (Fe), ppm Manganese (Mn), ppm Copper (Cu), ppm Boron (B), % Sulfur (S).	<b>\$47.00</b>
<b>NIR Digestibility without minerals (F6)</b> % Moisture, % Dry Matter, % Crude Protein, % Digestible Protein, % ADF, % NDF, RFV, Energy Gain, Fat, Ash.	<b>\$31.00</b>
<b>Standard Silage Test (F2)</b> % Moisture, % Crude Protein, % Digestible Protein, Nitrate (ppm NO <sub>3</sub> -N), Safety Level.	<b>\$22.50</b>
<b>Hay %Sugar Test (F5)</b> % Moisture, % Crude Protein, % Digestible Protein, Total Sugar.	<b>\$31.00</b>

## MANURE & SLURRY ANALYSIS

*(data provided on as is basis, dry matter basis, nutrients lbs. per ton and first year availability)*

### **Standard Manure (M1) \$52.97**

pH, % Organic N, % Ammonium N, % Nitrate N, % Total N (combustion), % P<sub>2</sub>O<sub>5</sub>, % K<sub>2</sub>O, % Sulfur (S), % Calcium (Ca), % Magnesium (Mg), % Sodium (Na), ppm Zinc (Zn), ppm Manganese (Mn), ppm Copper (Cu), ppm Boron (B), Sodium Adsorption Ratio (SAR), % Moisture, % Dry Matter and 1st year availability calculations. Reported as % + lbs per ton.

### **Standard Slurry (L1) \$54.50**

pH, % Organic N, % Ammonium N, % Nitrate N, % Total N (combustion), % P<sub>2</sub>O<sub>5</sub>, % K<sub>2</sub>O, % Sulfur (S), % Calcium (Ca), % Magnesium (Mg), % Sodium (Na), ppm Zinc (Zn), ppm Manganese (Mn), ppm Copper (Cu), ppm Boron (B), Sodium Adsorption Ratio (SAR), % Dry Matter and 1st year availability calculations. Reported as ppm + lbs 1000/gal + lbs/Acre inch.

### **Standard + Water Extractable Phosphorus (100:1 method) (M4) \$74.50**

Standard plus ppm dissolved phosphorus + dissolved phosphorus coefficient.

### **Complete Manure (M7) \$86.63**

Standard plus C:N Ratio, soluble salts, % OM, % C, % Ash, bulk density.

## COMPOST ANALYSIS

### **Standard Compost (M1) \$52.97**

pH, % Organic N, % Ammonium N, % Nitrate N, % Total N (combustion), % P<sub>2</sub>O<sub>5</sub>, % K<sub>2</sub>O, % Sulfur (S), % Calcium (Ca), % Magnesium (Mg), % Sodium (Na), ppm Zinc (Zn), ppm Manganese (Mn), ppm Copper (Cu), ppm Boron (B), Sodium Adsorption Ratio (SAR), % Moisture, % Dry Matter and 1st year availability calculations.

### **Complete Compost (M7) \$86.63**

Standard plus C:N Ratio, soluble salts, % OM, % C; % Ash, bulk density.

### **Complete U.S. Composting Council Standard Testing Assurance (STA) Screening (M100) \$365.00**

Dry Matter, Ash, pH, Aluminum, Boron, Copper, Manganese, Iron, Zinc, Sodium, Magnesium, Calcium, Sulfur, Potassium, Phosphorus, Nitrate, Ammonium, Total N, Organic Matter, Organic Carbon, C:N Ration, Moisture, Bulk Density, Soluble Salts 1:5, SAR, Human Inerts & Plastic, EPA 503 Metals, STA Pathogen Screen, Respiration OM/day, Respiration TS/day, Seedling vigor & Emergence.

### **Compost Solvita + Maturity Index (M25) \$88.28**

Solvita maturity rating and Index.

### **STA 503 Heavy Metals + Pathogen Screening (E103) \$214.00**

## FERTILIZER ANALYSIS

<b>Liquid N &amp; PH (Z1)</b> %N, Specific Gravity (lbs/gal)	<b>\$42.50</b>
<b>Liquid/Solid NPK (Z5/Z6)</b> %N, %P2O5, K2O, Specific Gravity (lbs/gal)	<b>\$55.00</b>
<b>Liquid/Solid Complete (Z2/Z3)</b> % N, % P2O5, % K2O, % Sulfur (S), % Zinc (ZN), % Iron, (Fe), % Manganese (Mn), % Copper (Cu), % Calcium (Ca), % Magnesium (Mg), % Sodium (Na), ppm Boron (B), Ph, Specific Gravity (lbs/gal)	<b>\$70.50</b>
<b>Gypsum (Z8)</b> % Ca, % S, % Mg, % Fe, % Na, % B	<b>\$46.00</b>
<b>Lime Quality (Z9)</b> % Ca, % Mg, % S, % CaO, % MgO, Fineness, Purity, CCE, ECCE, Particle Size Separation	<b>\$58.50</b>
<b>Particle Size Separation</b>	<b>\$12.00 per sieve</b>
<b>Salt Index Evaluation (Z26)</b> Complete nutrient + salt index (1:1000 Sodium Nitrate).	<b>\$35.00</b>

## WATER ANALYSIS

<b>Irrigation + Poultry Suitability (W1)</b> pH, Sodium Adsorption Ratio (SAR), Total Dissolved Solids (TDS), Soluble Salts-Conductivity (mmho/cm), Nitrate-N (NO3-N), Ammonium (NH4-N) Sodium (Na), Potassium (K), Calcium (Ca), Magnesium (Mg), Total Hardness (CaCO <sub>3</sub> ), Sulfate (SO4-S), Boron (B), Dissolved Phosphorus (P), Zinc (Zn), Dissolved Iron (Fe), Manganese (Mn), Copper (Cu).	<b>\$60.50</b>
<b>Controlled Environmental Agriculture (CEA) Hydroponic Suitability (W21)</b> Irrigation Suitability + Carbonate (CO <sub>3</sub> ), Bicarbonate (HCO <sub>3</sub> ), Chloride (Cl), Molybdenum (Mo), Aluminum (Al). Sufficiency bar graphs to represent source water, leafy plants or flowering plants.	<b>\$61.50</b>
<b>*Household Water Test *(W3)</b> Water Suitability, Nitrate, Total Coliform Bacteria, E. Coli Bacteria.	<b>\$91.00</b>
<b>GAP + FSMA Water Test (Colilert method) (W6)</b>	<b>\$36.50</b>

## WASTE WATER ANALYSIS

<b>Standard Waste Water (A1)</b> pH, % Organic N, % Ammonium N, % Nitrate N, % Total N (combustion), % P <sub>2</sub> O <sub>5</sub> , % K <sub>2</sub> O, % Sulfur (S), % Calcium (Ca), % Magnesium (Mg), % Sodium (Na), ppm Zinc (Zn), ppm Manganese (Mn), ppm Copper (Cu), ppm Boron (B), Sodium Adsorption Ratio (SAR), % Dry Matter.	<b>\$85.00</b>
<b>Industrial Waste Water</b> Analytical profile and cost dependent on permit requirements.	<b>Call for quote</b>

Please call for additional test information. We have a variety of options not listed. Customized testing available.

## MYCOTOXIN ANALYSIS

**Total Aflatoxin** **\$154.00**

Please call for additional analysis and pricing.

## MICROBIOLOGICAL ANALYSIS

**Salmonella E105** **\$35.00**

**E Coli 0157 H7 E106** **\$35.31**

**Non Water Fecal Coliform by TMEC** **\$39.00**

**Total Coliform + E. Coli by Colilert & TMEC** **\$39.00**

## MISCELLANEOUS & OUTSOURCED

**Step Probe E200** Plated one piece step probe **\$83.00**

**Nematode Assay Test E204** **\$51.50**

Lesion, root-knot, soybean cyst, tobacco cyst, stubby root, dagger, stunt, spiral, lance, ring, sting, sheath

Call for quotes for the following testing

- Pesticide residual
- PAH
- PCB
- COD & Soluble COD
- Chromium VI (Hexavalent)
- PFAS

### Food Safety Services

Matrix Sciences provides complete food safety services to include lab analysis, data tracking, consultation and recall management. Labs are throughout the US and can be facilitated by AgroLab-Matrix. Call for more information.



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## ANALYZING THE LAW OF THE MINIMUM



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