



**Midwest
Laboratories[®]**

CATALOG | 2021 EDITION





AGRICULTURE



SAMPLE AMOUNT NEEDED: 1 soil sample bag filled to the FILL LINE (approx. 2 cups).
Order soil bags, shipping labels, and boxes through mylab.midwestlabs.com or contact Client Services at 402.334.7770 for proper supplies.

	Turnaround Time	Price With Recommendations*	Price Without Recommendations
S1A (BASIC)	3 BD	\$10.50	\$9.30
Organic Matter, Available Phosphorus (P1 Weak Bray and P2 Strong Bray), Exchangeable Potassium, Magnesium, Calcium and Hydrogen, Soil pH, Buffer Index, Cation Exchange Capacity, Percent Base Saturation of Cation Elements			
S1AN	3 BD	\$13.20	\$11.50
Carryover Nitrogen as Nitrate, plus S1A [Organic Matter, Available Phosphorus (P1 Weak Bray and P2 Strong Bray), Exchangeable Potassium, Magnesium, Calcium and Hydrogen, Soil pH, Buffer Index, Cation Exchange Capacity, Percent Base Saturation of Cation Elements] <i>Recommended for grain crops that will require nitrogen.</i>			
S1B	3 BD	\$10.50	\$9.30
Same as test S1A with Olsen Bicarbonate Phosphorus in place of P2 Strong Bray Phosphorus <i>Recommended for areas of high soil pH (over 7.1).</i>			
S1C	3 BD	\$11.50	\$10.30
Olsen Bicarbonate Phosphorus, plus S1A [Organic Matter, Available Phosphorus (P1 Weak Bray and P2 Strong Bray), Exchangeable Potassium, Magnesium, Calcium and Hydrogen, Soil pH, Buffer Index, Cation Exchange Capacity, Percent Base Saturation of Cation Elements]			
S1AEC	3 BD	\$12.20	\$11.00
Soluble Salts, plus S1A [Organic Matter, Available Phosphorus (P1 Weak Bray and P2 Strong Bray), Exchangeable Potassium, Magnesium, Calcium and Hydrogen, Soil pH, Buffer Index, Cation Exchange Capacity, Percent Base Saturation of Cation Elements]			
S1ANEC	3 BD	\$14.92	\$13.22
Soluble Salts and Carryover Nitrogen as Nitrate, plus S1A [Organic Matter, Available Phosphorus (P1 Weak Bray and P2 Strong Bray), Exchangeable Potassium, Magnesium, Calcium and Hydrogen, Soil pH, Buffer Index, Cation Exchange Capacity, Percent Base Saturation of Cation Elements]			
S2	3 BD	\$13.40	\$12.30
Soluble Salts, Sodium, and Excess Lime, plus S1A [Organic Matter, Available Phosphorus, (P1 Weak Bray and P2 Strong Bray) Exchangeable Potassium, Magnesium, Calcium and Hydrogen, Soil pH, Buffer Index, Cation Exchange Capacity, Percent Base Saturation of Cation Elements]. <i>Recommended for areas of high soil pH (over 7.1).</i>			

For determining optimum herbicide application rate, we recommend adding a Texture analysis (pg 17).

* Recommendations: Include up to 3 crops or 3 yields upon request.

Additional recommendations can be requested for additional charge.

	Turnaround Time	Price With Recommendations*	Price Without Recommendations
S2N	3 BD	\$15.90	\$14.70
Nitrate Nitrogen, Soluble Salts, Sodium, and Excess Lime, plus S1A [Organic Matter, Available Phosphorus (P1 Weak Bray and P2 Strong Bray), Exchangeable Potassium, Magnesium, Calcium and Hydrogen, Soil pH, Buffer Index, Cation Exchange Capacity, Percent Base Saturation of Cation Elements] <i>Recommended for grain crops that will require nitrogen.</i> <i>Recommended for soil where manure has been applied frequently or heavily.</i>			
S3C	3 BD	\$26.50	\$25.50
A complete analysis including S1A, S2N and S3 [Organic Matter, Available Phosphorus (P1 Weak Bray and P2 Strong Bray), Exchangeable Potassium, Magnesium, Calcium and Hydrogen, Soil pH, Buffer Index, Cation Exchange Capacity, Percent Base Saturation of Cation Elements, Nitrate Nitrogen, Soluble Salts, Sodium, and Excess Lime, Sulfur, Zinc, Manganese, Iron, Copper, Boron] <i>Recommended if a field has never been sampled before. Recommended for legume crops.</i>			
S3M	3 BD	--	\$10.50
Organic Matter, pH; Mehlich extraction: Phosphorus, Potassium, Magnesium, Calcium, Sodium, Sulfur, Zinc, Manganese, Iron, Copper, Boron, Cation Exchange Capacity, Percent Base Saturation of Cation Elements			
S3CM	3 BD	--	\$11.50
Organic Matter, pH; Mehlich extraction: Phosphorus, Potassium, Magnesium, Calcium, Sodium, Sulfur, Zinc, Manganese, Iron, Copper, Boron, Cation Exchange Capacity, Percent Base Saturation of Cation Elements; plus Nitrate Nitrogen, Excess Lime, Soluble Salts			
SUBSOIL NITRATE-N	3 BD	\$6.00	\$5.50
GARDEN SOIL TESTING PACKAGE	3 BD	\$15.00	\$15.00
Organic Matter, Nitrate-N, Phosphorus, Potassium, pH, Magnesium, Calcium, Sodium, Soluble Salts, CaCO ₃ Buffer Index, Cation Exchange Capacity			
LAWN SOIL TESTING PACKAGE	3 BD	\$15.00	\$15.00
Organic Matter, Nitrate-N, Phosphorus, Potassium, pH, Magnesium, Calcium, Sodium, Soluble Salts, CaCO ₃ Buffer Index, Cation Exchange Capacity			
SOIL HEALTH COMPLETE	3 BD	--	\$65.00
Comprised of three components: 1. An in-depth soil analysis (S3C) that will address the chemical aspects of the soil test 2. 1-day CO ₂ C 3. The Haney Test with a Soil Health Calculation			
SOIL HEALTH BASIC	3 - 5 BD	--	\$55.00
Comprised of three components: 1. A basic soil analysis (S1AN) that will address the chemical aspects of the soil. 2. 1-day CO ₂ C test 3. The Haney test with a Soil Health Calculation			

For determining optimum herbicide application rate, we recommend adding a Texture analysis (pg 17).

* Recommendations: Include up to 3 crops or 3 yields upon request.

Additional recommendations can be requested for additional charge.

	Turnaround Time	Price With Recommendations*	Price Without Recommendations
S3† Sulfur, Zinc, Manganese, Iron, Copper, Boron <i>Recommended for legume crops.</i>	3 BD	\$14.00	\$13.00
S4† Zinc, Manganese, Iron, Copper	3 BD	\$9.20	\$8.40
S5† Sulfur, Zinc	3 BD	\$6.80	\$6.00
S6† Sulfur, Zinc, Manganese, Boron <i>Recommended for legume crops.</i>	3 BD	\$12.80	\$11.80
POTTING SOIL CONTAINER MEDIA EXTRACT pH, Conductivity, Available Nitrogen, Phosphorus, Potassium, Magnesium, Calcium, Sodium	3 BD	--	\$22.50
POTTING SOIL EXTENDED CONTAINER MEDIA EXTRACT pH, Conductivity, Available Nitrogen, Phosphorus, Potassium, Magnesium, Calcium, Sodium, Sulfur, Zinc, Manganese, Iron, Copper, Boron	3 BD	--	\$35.50
INDIVIDUAL SOIL ANALYSIS			
Aluminum (Extractable)†	7 - 10 BD	--	\$18.00
Ammoniacal Nitrogen	3 BD	--	\$7.50
Amino Sugar Nitrate Test	3 BD	--	\$28.00
Boron†	3 bd	\$2.95	\$2.55
Chloride	3 BD	--	\$7.50
C:N Ratio	3 BD	--	\$24.00
Copper†	3 bd	\$2.95	\$2.55
Electrical Conductivity (Soluble Salts)	3 BD	--	\$6.00
Electrical Conductivity (Soluble Salts) with paste extract	3 BD	--	\$16.00
Humic Matter	3 BD	--	\$15.00
Iron†	3 BD	\$2.95	\$2.55
Manganese†	3 BD	\$2.95	\$2.55
Mehlich Phosphorus (Colorimetric)†	3 BD	--	\$3.00
Mehlich Phosphorus (ICP)†	3 BD	--	\$3.00
Morgan Extract	3 BD	--	\$6.00

* Recommendations: Include up to 3 crops or 3 yields upon request.
Additional recommendations can be requested for additional charge.

† Must be combined with a Soil Package found on pgs 13 -14.

	Turnaround Time	Price With Recommendations*	Price Without Recommendations
Molybdenum (Extractable)	3 - 5 BD	--	\$25.00
Nitrate Nitrogen	3 BD	\$6.00	\$5.50
Olsen Bicarbonate Phosphorus [†]	3 BD	--	\$1.00
Organic Matter (Walkley Black Titration)	3 BD	--	\$35.00
pH	3 BD	--	\$6.00
pH with paste extract	3 BD	--	\$16.00
PT2	3 BD	--	\$22.00
Quantitative CaCO ₃	3 BD	--	\$27.00
Resistivity by saturated paste extract	3 BD	--	\$20.00
Saturated Paste Extract	3 BD	--	\$10.00
Silicon (Extractable)	3 - 5 BD	--	\$25.00
Sodium [†]	3 BD	\$2.55	\$2.15
Sodium Absorption Ratio (SAR) with paste extract	3 BD	--	\$20.00
Sulfur [†]	3 BD	\$4.35	\$3.95
Total Cation Exchange Capacity (EPA 9081)	3 BD	--	\$40.00
Total Kjeldahl Nitrogen	3 BD	--	\$9.00
Total Nitrogen	3 BD	--	\$9.00
Total Carbon	3 BD	--	\$18.00
Total Phosphorus	3 BD	--	\$12.00
Water Soluble Carbon	3 BD	--	\$10.00
Water Soluble Extraction (P, K, Mg, Ca, Na, S) [†]	3 BD	--	\$5.50
Zinc, Manganese, Iron, Copper, Boron (each element) [†]	3 BD	\$2.95	\$2.55

* Recommendations: Include up to 3 crops or 3 yields upon request.
 Additional recommendations can be requested for additional charge.
 † Must be combined with a Soil Package found on pgs 13 -14.

	Turnaround Time	Price
RECOMMENDATIONS ONLY	3 BD	\$3.00
New recommendations on old reports (per sample)		
SPECIALIZED SOIL REPORTING	3 BD	\$0.50
First Form Option (per sample)		
FIRST FORM: First Form reports include soil data, graphics, and maintenance + build recommendation format. Many options may be made automatically standard for your account. Contact the laboratory for details.		
REPORTING OPTIONS: Standard Recommendations are made for as many as three crops or three yields, or a combination of different crops and yields. You must supply the crop and yield goal information.		
ADDITIONAL SOIL ANALYSIS — SOIL PHYSICAL MEASUREMENTS		
Available Moisture (<i>1/3 plus 15 BAR limits measured with membrane apparatus</i>)	5 - 7 BD	\$21.50
Individual BAR	5 - 7 BD	\$16.00
Bulk Density (<i>Disturbed Soil</i>)	3 - 5 BD	\$5.35
Grain size (<i>ASTM D422</i>)	4 - 6 BD	\$65.00
Receiving Moisture	5 - 7 BD	\$3.00
Texture (<i>% Sand, Silt, Clay</i>) by hydrometer	3 - 5 BD	\$11.20
COMPOSITE SAMPLE PREPARATION	5 - 7 BD	\$5.00
Per sample group		



Agriculture NEMATODES

SAMPLE AMOUNT NEEDED: 1 soil sample bag filled to the FILL LINE (approx. 2 cups).
Order soil bags, shipping labels, and boxes through mylab.midwestlabs.com or contact Client Services at 402.334.7770 for proper supplies.

NEMATODE ASSAYS (AG SOIL)

Plant Parasitic Nematode Analysis (Live Parasite ID)	7 - 10 BD	\$58.00
Plant Parasitic Nematode Analysis (Compost) (Live Parasite ID)	7 - 10 BD	\$68.00
Cyst Nematode Identification (Ag Soil) (Egg Count)	7 - 10 BD	\$28.00
Cyst Nematode (Compost) (Egg Count)	7 - 10 BD	\$38.00
Root Tissue Examination (Root-Knot Nematode Only)	7 - 10 BD	\$20.00

If a quicker turnaround time is needed, please contact our Rush Coordinator for an estimated cost at RUSH_COORDINATOR@MIDWESTLABS.COM



	Required Sample Size	Turnaround Time	Price	
PLANT TISSUE ANALYSIS	Call for sample size *	3 BD	\$22.00	
Nitrogen, Sulfur, Phosphorus, Potassium, Magnesium, Calcium, Sodium, Iron, Manganese, Copper, Boron, Zinc				
PLANT TISSUE MINERAL PACKAGE	Call for sample size *	3 BD	\$17.00	
Sulfur, Phosphorus, Potassium, Magnesium, Calcium, Sodium, Iron, Manganese, Copper, Boron, Zinc				
PETIOLE COMPLETE	Call for sample size *	3 BD	\$22.00	
Sulfur, Phosphorus, Potassium, Magnesium, Calcium, Sodium, Iron, Manganese, Copper, Boron, Zinc, Nitrate-Nitrogen				
STALK NITRATE PACKAGE	Call for sample size †	3 BD	\$16.00	
Nitrate-Nitrogen				
	Required Sample Size	Turnaround Time	Basic Screen Price	Event Specific Price
GMO DETECTION (DDPCR)				
Alfalfa	100g	3 - 5 BD	\$175.00	\$100.00
Canola	100g	3 - 5 BD	\$175.00	\$100.00
Corn	100g	3 - 5 BD	\$350.00	\$100.00
Flax	100g	3 - 5 BD	\$175.00	\$100.00
Papaya	100g	3 - 5 BD	\$175.00	\$100.00
Potato	100g	3 - 5 BD	\$175.00	\$100.00
Rapeseed (Canola)	100g	3 - 5 BD	\$175.00	\$100.00
Rice	100g	3 - 5 BD	\$175.00	\$100.00
Soy	100g	3 - 5 BD	\$295.00	\$100.00
Sugar Beets	100g	3 - 5 BD	\$175.00	\$100.00
Squash/Zucchini	100g	3 - 5 BD	\$175.00	\$100.00
Tomato	100g	3 - 5 BD	\$175.00	\$100.00
Wheat	100g	3 - 5 BD	\$175.00	\$100.00

* Contact Client Services at 402.334.7770 for proper sample amount or reference our online sampling guide: midwestlabs.com/resource/plant-tissue-sampling-guide.

† Contact Client Services at 402.334.7770 for proper sample amount or reference our online sampling guide: [Stalk Nitrate Brochure - midwestlabs.com/stalk-nitrate-testing](https://midwestlabs.com/stalk-nitrate-testing).

	Required Sample Size	Turnaround Time	Price
SEED GERMINATION			
Barley, Wheat, Corn	1lb	varies*	\$20.00
Alfalfa, Clover, Rye, Soybeans	1lb	varies*	\$20.00
Fescue, Oats	1lb	varies*	\$20.00
Cold Stress (Soybeans & Corn only)	1lb	varies*	\$20.00

PLEASE ALLOW A MINIMUM OF TEN DAYS FOR GERMINATION TESTS.

INDIVIDUAL ANALYSIS

Carbon	--	3 BD	\$10.00
Chloride	--	3 BD	\$10.00
Molybdenum	--	3 - 5 BD	\$24.00
Nitrogen, Ammoniacal	--	3 BD	\$10.00
Nitrogen, Nitrate	--	3 BD	\$10.00
Nitrogen, Total	--	3 BD	\$10.00
Selenium	--	3 - 5 BD	\$36.00

NOTE: Discounts are available for multiple samples received dried and ground.



Agriculture FERTILIZER

FERTILIZER PACKAGES

Total Nitrogen	Solid: 50g Liquid: 250ml	5 - 7 BD	\$25.00
Total Nitrogen & Total Phosphate (P2O5)	Solid: 100g Liquid: 250ml	5 - 7 BD	\$50.00
Total Nitrogen, Total Phosphate (P2O5), & Total Potash (K2O)	Solid: 100g Liquid: 250ml	5 - 7 BD	\$60.00
10-34-0: Total Nitrogen, Total Phosphate (P2O5), Ortho Phosphate, Specific Gravity, & pH	Solid: 100g Liquid: 250ml	5 - 7 BD	\$60.00
Total Nitrogen, Available Phosphate, & Soluble Potash	Solid: 100g Liquid: 250ml	5 - 7 BD	\$75.00

* Turnaround times will vary. 14 day minimum is required for calculation test.
Contact Client Services at 402.334.7770 for more information.

	Required Sample Size	Turnaround Time	Price
AMINO ACID PROFILE (FREE)	50g	7 - 10 BD	\$165.00
Naturally occurring plant-based or synthetic			

AMINO ACID PROFILE	50g	7 - 10 BD	\$300.00
<i>Requires Protein.</i> Alanine, Arginine, Aspartic acid, Cystine, Glutamic acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Proline, Serine, Threonine, Tryptophan, Tyrosine, Valine			

C/N RATIO:

Carbon (total), Nitrogen (total), Moisture, pH	100g	5 - 7 BD	\$40.00
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FORMULATION LEVEL ASSAY

Boron, Calcium, Copper, Iron, Manganese, Magnesium, Sodium, Phosphorus, Potassium, Sulfur, Zinc
(includes sample prep)

Single element from above	100g	5 - 7 BD	\$50.00
Any two elements from above	100g	5 - 7 BD	\$80.00

HEAVY METALS SCREEN	50g	5 - 7 BD	\$72.00
Arsenic, Lead, Cadmium, Chromium			

HEAVY METALS SCREEN	50g	5 - 7 BD	\$130.00
<i>For California Registrations.</i> Arsenic, Cadmium, Cobalt, Copper, Lead, Molybdenum, Nickel, Selenium, Zinc			

HEAVY METALS SCREEN	50g	5 - 7 BD	\$130.00
<i>For Washington Registrations.</i> Arsenic, Cadmium, Cobalt, Lead, Mercury, Molybdenum, Nickel, Selenium, Zinc			

HEAVY METALS SCREEN	50g	5 - 7 BD	\$140.00
<i>For Canadian Registrations.</i> Arsenic, Cadmium, Cobalt, Copper, Chromium, Lead, Mercury, Molybdenum, Nickel, Selenium, Zinc			

FOR ADDITIONAL METALS TESTINGS, REFER TO "INORGANIC METALS" ON PAGE 65

	Required Sample Size	Turnaround Time	Price
MICRONUTRIENT GENERAL ANALYSIS COMPLETE	100g	5 - 7 BD	\$50.00
Boron, Calcium, Copper, Iron, Manganese, Magnesium, Sodium, Phosphorus, Potassium, Sulfur, Zinc (includes sample prep)			
Single Element from above	50g	5 - 7 BD	\$22.00
Chelated (single analysis) Zinc, Copper, Iron, Manganese	50g	5 - 7 BD	\$25.00
NITROGEN PROFILE	100g	5 - 7 BD	\$65.00
Total Nitrogen, Nitrate Nitrogen, Urea Nitrogen, Ammoniacal Nitrogen			
PHOSPHORUS (AS PHOSPHATE, P2O5)			
Available Phosphate	100g	5 - 7 BD	\$25.00
Ortho Phosphate	100g	5 - 7 BD	\$25.00
Total Phosphate	100g	5 - 7 BD	\$25.00
POTASSIUM (AS POTASH K2O)			
Soluble Potash	100g	5 - 7 BD	\$25.00
Total Potash	100g	5 - 7 BD	\$25.00
INDIVIDUAL ANALYSIS			
Chloride	50g	5 - 7 BD	\$20.00
Humic Acid	100g	5 - 7 BD	\$80.00
Moisture, Free (MAP or DAP)	50g	5 - 7 BD	\$10.00
Nitrate	100g	5 - 7 BD	\$20.00
Nitrogen, Ammoniacal	100g	5 - 7 BD	\$20.00
Nitrogen, Total	50g	5 - 7 BD	\$25.00
Nitrogen, Urea	250g	5 - 7 BD	\$25.00
Nitrogen, Water Insoluble	100g	5 - 7 BD	\$25.00
pH	100g	5 - 7 BD	\$10.00
Salt Index	100g	5 - 7 BD	\$15.00
Salt Out Temperature	100g	5 - 7 BD	\$15.00
Specific Gravity	100g	5 - 7 BD	\$12.00

If a quicker turnaround time is needed, please contact our Rush Coordinator for an estimated cost at RUSH_COORDINATOR@MIDWESTLABS.COM



Agriculture LIMESTONE MATERIALS

	<i>Required Sample Size</i>	<i>Turnaround Time</i>	<i>Price</i>
LIME PACKAGE	200g	5 - 7 BD	\$60.00
Calcium, Magnesium, Total Neutralizing Value, Sieve 4, Sieve 8, Sieve 60, ECCE, Moisture			
GYPHUM PACKAGE	200g	5 - 7 BD	\$60.00
Calcium, Magnesium, Sulfur, 100 Sieve, pH, Free Moisture			
KANSAS LIME PACKAGE	200g	5 - 7 BD	\$60.00
Calcium, Magnesium, Total Neutralizing Value, Sieve 4, Sieve 8, Sieve 60, Kansas ECC, Moisture			
MINNESOTA LIME PACKAGE	200g	5 - 7 BD	\$60.00
Calcium, Magnesium, Total Neutralizing Value, Sieve 8, Sieve 20, Sieve 60, ENP, Moisture			
MISSOURI LIME PACKAGE	200g	5 - 7 BD	\$60.00
Calcium, Magnesium, Total Neutralizing Value, Sieve 4, Sieve 8, Sieve 40, Sieve 60, ECCE, ENM, Moisture			
SIEVE ANALYSIS	100g	5 - 7 BD	\$6.00
Price per each size specified. Available sizes: 4, 8, 10, 16, 18, 20, 30, 40, 50, 60, 70, 80, 100, 150, 200			
TOTAL NEUTRALIZING VALUE	100g	5 - 7 BD	\$20.00
CaCO ₃ Equivalent			

If a quicker turnaround time is needed, please contact our Rush Coordinator for an estimated cost at RUSH_COORDINATOR@MIDWESTLABS.COM



Agriculture MANURE, BIOSOLIDS, & COMPOST

	Required Sample Size	Turnaround Time	Price
MANURE PACKAGE*	Solid: 200g Liquid: 500mL	3 - 5 BD	\$40.00

Moisture/Total Solids, Total Nitrogen, Phosphate, Potash, Sulfur, Calcium, Magnesium, Sodium, Iron, Manganese, Copper, Zinc, pH, Ammoniacal Nitrogen, Organic Nitrogen

COMPOST PACKAGE†	200g	5 - 7 BD	\$75.00
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Moisture/Total Solids, Total Nitrogen, Organic Nitrogen, Phosphate, Potash, Sulfur, Calcium, Magnesium, Sodium, Iron, Manganese, Copper, Zinc, pH, Total Carbon, Soluble Salts, C/N Ratio, Ammoniacal Nitrogen, Nitrate Nitrogen, Chloride, Organic Matter, Ash

C/N RATIO

Carbon (total), Nitrogen (total), Moisture, pH	100g	5 - 7 BD	\$40.00
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EPA 503 PACKAGE	250g	5 - 7 BD	\$215.00
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Total Solids, Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Phosphorus, Potassium, Sulfur, Calcium, Magnesium, Sodium, Iron, Manganese, Copper, Zinc, pH, Nitrate Nitrogen, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Calculated Phosphate, Calculated Potash, Organic Nitrogen

LAGOON WATER PACKAGE*	500mL	5 - 7 BD	\$40.00
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Conductance, Kjeldahl Nitrogen, Ammoniacal Nitrogen, Organic Nitrogen, pH, Phosphorus, Potassium, Sulfur, Magnesium, Calcium, Sodium, Iron, Manganese, Copper, Zinc

ORGANIC MATERIALS REVIEW INSTITUTE (OMRI) PACKAGE†	Solid: 250g Liquid: 1L	15 - 20 BD	\$400.00
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E.coli, Fecal Coliform, Salmonella, Total Kjeldahl Nitrogen, Total Nitrogen Total Phosphate, Potash, Nitrate Nitrogen, Water Soluble Nitrogen, Water Insoluble Nitrogen, Ammoniacal Nitrogen, Humic Acid, pH, Total Organic Carbon, Bulk Density (Packed), Moisture, Sulfur, Calcium, Boron, Cobalt, Copper, Iron, Manganese, Arsenic, Chloride, Lead, Selenium, Cadmium, Chromium, Mercury, Nickel, Sodium, Molybdenum, Zinc

* **CAUTION!** Many manures and sludges are biologically active and will produce gases even after being sealed in a container. These gases produce pressure that can burst the container or pop its lid. Precautions should be taken in shipping manure or sludge samples: Never use a glass container and always tape the lid.

† Shipping Instructions: 1-gallon resealable bag shipped on ice overnight.

	Required Sample Size	Turnaround Time	Price
SEAL OF TESTING ASSURANCE (STA) COMPOST COUNCIL PACKAGE†	250g	15 - 20 BD	\$375.00

Total Solids, Ammoniacal Nitrogen, Total Nitrogen, Phosphorus, Potassium, Sulfur, Calcium, Magnesium, Sodium, Iron, Manganese, Copper, Zinc, pH, Nitrate Nitrogen, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Calculated Phosphate, Calculated Potash, Organic Nitrogen

INDIVIDUAL ANALYSIS

Ash	50g	5 - 7 BD	\$15.00
Chloride	100g	5 - 7 BD	\$20.00
Cyst Nematode (Compost) (Egg Count)	100g	7 - 10 BD	\$38.00
Nitrogen, Ammoniacal	100g	5 - 7 BD	\$20.00
Nitrogen, Nitrate	100g	5 - 7 BD	\$20.00
Nitrogen, Total	100g	5 - 7 BD	\$25.00
Organic Matter (Combustion) (LOI)	100g	5 - 7 BD	\$15.00
pH	100g	5 - 7 BD	\$10.00
Plant Parasitic Identification (Compost)	100g	7 - 10 BD	\$68.00
SOUR (Specific Oxygen Uptake Rate)	100g	5 - 7 BD	\$65.00
Solids, Total	100g	5 - 7 BD	\$10.00
Solids, Total Volatile	100g	5 - 7 BD	\$20.00

* **CAUTION!** Many manures and sludges are biologically active and will produce gases even after being sealed in a container. These gases produce pressure that can burst the container or pop its lid. Precautions should be taken in shipping manure or sludge samples: Never use a glass container and always tape the lid.

† Shipping Instructions: 1-gallon resealable bag shipped on ice overnight.



	<i>Required Sample Size</i>	<i>Turnaround Time</i>	<i>Price</i>
LEAFY GREEN PATHOGEN PACKAGE	Solid: 250g Liquid: 1L	5 D	\$270.00

Fecal Coliform, Salmonella, Total Coliform, E. coli (generic), E. coli O157:H7, Listeria, Solids

SOIL, SLUDGE, AND COMPOST

Aerobic Plate Count	100g	2 D	\$20.00
Anaerobic Plate Count	100g	2 D	\$20.00
Azotobacter	100g	3 - 5 D	\$20.00
E. coli (MPN)	100g	2 - 4 D	\$25.00
Fecal Coliform (EPA 1681)*	Solid: 100g Liquid: 1L	2 D	\$30.00
Fecal Coliform (7 Fecal + % solids)	(7) 50g	2 D	\$280.00
Salmonella (EPA 1682)*	Solid: 100g Liquid: 1L	5 D	\$125.00
Total Coliforms (MPN)	Solid: 100g Liquid: 250mL	2 D	\$25.00

* Lime Stabilized Sludge for EPA 1681 and EPA 1682 requires additional preparation steps.
A preparation fee of \$8 will be added per sample.





13611 B Street | Omaha, NE 68144 | 402.334.7770 | MidwestLabs.com