

HOW TO COLLECT A SOIL SAMPLE

Soil testing is a starting place for improving the home gardener's soil. Unless you know what is already in your soil, you are only guessing when applying fertilizer.

Use a soil probe, spade, or shovel to sample the soil profile to a depth of six inches.

Collect soil from fifteen random spots in the desired area. Mix those samples together in a clean container and bring three cups of this mixed soil to your local Extension office.

Attempt to submit the soil sample within 24-48 hours of collection. Do not allow soil to sit in a sealed bag for a long period of time.

If there is a troublesome area, collect fifteen samples from that area only and combine into one bag. Label the bag accordingly.

The samples will be sent to the Soil Testing Laboratory at the Oklahoma State University in Stillwater. Fertilizer and soil amendment recommendations are given based on what you would like to grow.

It is important that fertilizers are used in correct amounts and they are applied in the proper manner. Please, read the label.

For general lawn and garden care, we recommend the \$10 routine test. This analyzes your soil's pH, nitrogen (N), phosphorus (P), and potassium (K) levels.

Payment is due when the sample is brought to our office at 2500 NE 63rd St., OKC 73111. The results will be emailed to you within fourteen business days.

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OUR MISSION

Oklahoma County OSU Cooperative Extension's purpose is education dedicated to improving quality of life with research-based information and services.

Sincerely,

LaDonna Hines
County Extension Director

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CONTACT US

Oklahoma County OSU Extension
2500 NE 63rd Street
Oklahoma City, OK 73111

OFFICE HOURS
Monday - Friday
8:00am - 4:30pm

405.713.1125

We are closed on county holidays.



OKLAHOMA COUNTY EXTENSION

START WITH A SOIL SAMPLE



Oklahoma County
OSU Extension Service
2500 NE 63rd Street
Oklahoma City, OK 73111

Monday - Friday
8:00am - 4:30pm

405-713-1125

Soil, Water & Forage Analytical Laboratory Testing Services and Price List

Oklahoma State University
 048 Agriculture Hall
 Stillwater, OK 74078
soiltesting@okstate.edu
 Additional tests may be available upon request.



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SOIL PROPERTY ANALYSES

Soil Fertility	
<u>Routine Analysis</u>	\$10
pH, Lime Requirement (Sikora), N, P and K	
<u>Organic Matter</u>	\$8
<u>Nitrate-N and Ammonium-N</u>	\$5
<u>Secondary Nutrients</u>	\$4
Ca, Mg, SO4	
<u>Micronutrients</u>	\$4
B, Cu, Fe, and Zn	
<u>Nitrate-N or Ammonium-N</u>	\$4
NO3-H and NH4-N (1M KCl)	
<u>Subsoil Nitrate-Nitrogen</u>	\$2
(with submission of surface soil)	
Greenhouse Root Media Analyses	
<u>Greenhouse Media</u>	\$20
B, Ca, K, Mg, Na, NO3-N, NH4-N, P, S, EC and pH	

SOIL PROPERTY ANALYSES

Soil Salinity	
<u>Salinity Management</u>	\$30
(1:1 soil to water extraction for diagnostic purposes)	
B, Ca, K, Mg, Na, EC, ESP, SAR, TDS	
<u>Comprehensive Salinity</u>	\$70
(saturated paste extraction)	
B, Ca, Cl, K, Mg, Na, NO3-N, SO4, Bicarbonate, Carbonate, EC, ESP, pH, SAR, and TDS	

Soil Texture	
<u>Textural Class</u>	\$14
(Hydrometer Method)	
Percent of Sand, Silt, and Clay	

WATER ANALYSES

<u>Household</u>	\$18
B, Ca, Cl, K, MG, Na, NO3-N, pH, Bicarbonate, Carbonate, EC, Hardness, SAR, Sulfate, TDS	
<u>Irrigation</u>	\$18
B, Ca, Cl, K, MG, Na, NO3-N, pH, Bicarbonate, Carbonate, EC, Hardness, SAR, Sulfate, TDS	
<u>Livestock</u>	\$18
Ca, Cu, Fe, K, Mg, Mn, Na, Zn, Chloride, EC, Hardness, Nitrate, pH, Sulfate, and TDS	
<u>Homebrewer</u>	\$21
Ca, Cu, Fe, K, Mg, Mn, Na, NO3-N, P, Zn, Alkalinity, Chloride, EC, Hardness, pH, Sulfate, and TDS	

PLANT TISSUE ANALYSES

<u>Plant Tissue Analysis</u>	\$23
B, Ca, Cu, Fe, K, Mg, Mn, Total N, P, S and Zn	

FORAGE QUALITY ANALYSES

<u>Nitrate Toxicity</u>	\$6
Nitrate and Moisture	
<u>Protein Only</u>	\$8
Protein (Dry combustion - LECO) and Moisture	
<u>Basic Analysis</u>	\$14
Protein and Moisture, ADF (acid detergent fiber), TDN, Net Energy for Gain, Lactation, Maintenance	
<u>Basic Analysis Plus RFV</u>	\$20
Protein and Moisture, ADF, TDN, Energy, NDF (neutral detergent fiber), and RFV (relative feed value for Alfalfa only)	

FEED & GRAIN ANALYSES

<u>TN or C or Both</u>	\$8
Total Nitrogen and Carbon (dry combustion LECO)	
<u>Minerals</u>	\$15
Ca, Cu, Fe, K, Mg, Mn, P, S, Zn, Moisture	

COMPOST AND ANIMAL WASTE ANALYSES

<u>Test 1</u>	\$30
C, Ca, Cu, Fe, K, Mg, Mn, Total N, Na, P, S, Zn, EC, Moisture and pH	
<u>Test 2</u>	\$6
NH4-N and NO3-N	
<u>Test 3</u>	\$8
Water Soluble P	