

SOIL



Soil Fertility

Routine	\$10.00
pH and buffer Index (SMP)	
Nitrate-Nitrogen	
Available Phosphorus Index (M3)	
Available Potassium Index (M3)	
Subsoil Nitrate-Nitrogen	\$2.00
(with submission of surface soil)	
Nitrate-Nitrogen	\$4.00
Secondary Nutrients	\$4.00
Sulfate-Sulfur	
Magnesium and Calcium	
Micronutrients	\$4.00
Iron, Zinc and Boron	
Organic Matter	\$5.00
With Routine Analysis	
\$4.00	

Soil Salinity

Salinity Management	\$15.00
(1:1 extraction for diagnostic purposes)	
Sodium	Magnesium
Calcium	Potassium
pH	Total Soluble Salts
Boron	Electrical Conductivity
SAR	ESP
Comprehensive Salinity	\$40.00
(Saturated paste extraction)	
Sodium	Magnesium
Calcium	Potassium
Chloride	Nitrate-Nitrogen
Sulfate	Electrical Conductivity
Carbonate	Bicarbonate
pH	Total Soluble Salts
Boron	ESP
SAR	

Soil Texture

\$10.00

Textural Class (Hydrometer Method)
% sand, silt, clay

FORAGE



Basic Analysis	\$6.00
Protein & Moisture	
Basic Plus Energy	\$12.00
Protein & Moisture	
ADF (Acid Detergent Fiber)	
TDN (Total Digestible Nutrients)	
Net Energy for: Gain; Lactation; and Maintenance	
Basic Plus Energy Plus RFV	\$18.00
Protein, Moisture, ADF, & Energy	
NDF (Neutral Detergent Fiber)	
RFV (Relative Feed Value - for alfalfa only)	
Nitrate Toxicity	\$6.00
Nitrate	
Moisture	
Minerals	\$12.00
Ca, P, K, Mg, S, Cu, Fe, and Zn	

WATER



Livestock - \$6.00

pH
Total Soluble Salts
Electrical Conductivity
Nitrate-Nitrogen

Household - \$15.00

Sodium Sulfate
Calcium Chloride
Magnesium Nitrate
Potassium pH
Copper Hardness
Iron Electrical Conductivity
Manganese Total Soluble Salts
Zinc

Irrigation - \$15.00

Sodium Magnesium
Calcium Potassium
Chloride Nitrate-Nitrogen
Sulfate Electrical Conductivity
pH Total Soluble Salts
Boron Hardness
Carbonate Bicarbonate
SAR Residual Carbonate

Animal Waste & Compost

Test 1	\$20.00
pH, EC, Moisture, TN, C, S, P, K, Ca, Mg, Na, Cu, Zn, Mn, and Fe	
Test 2	\$6.00
NH ₄ -N and NO ₃ -N	
Test 3	\$8.00
Water Soluble P	

SUBMITTING SAMPLES



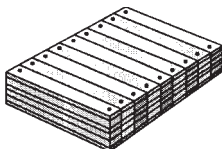
Soil, water and plant samples should be submitted through your County Cooperative Extension Office. They provide sample bags and water bottles and handle mailing of samples to the laboratory. Your County Extension Educators can assist with proper sampling techniques, test result interpretations, and recommendations.

QUALITY ASSURANCE



Accuracy and quality of test results are assured through daily analysis of quality control samples, a three-step internal data review process, and participation in external certification and sample exchange programs. For detailed information regarding our quality assurance practices, call the SWFAL office.

SAMPLE RESULTS



Most samples are processed and analyzed within three to five working days and results are mailed first class and posted on the internet. Forage nitrate results are mailed to the County Extension Office two days after samples are received. Charges for laboratory services are billed monthly from the office through which the sample was submitted.

Soil, Water & Forage Analytical Laboratory

048 Agricultural Hall
Oklahoma State University
Stillwater, OK 74078
(405) 744- 6630
(405) 744- 9575 Fax

Website: www.soiltesting.okstate.edu

E-mail: soiltesting@okstate.edu

Oklahoma Cooperative Extension Service

Leaflet L- 241

Hailin Zhang, SWFAL Director
Mike W. Kress, Laboratory Manager
Barbara McCray, Data Management

Oklahoma State University, in compliance with Title VI and VII of the Civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of the Education Amendments of 1972, Americans with Disabilities Act of 1990, and other federal laws and regulations, does not discriminate on the basis of race, color, national origin, sex, age, religion, disability, or status as a veteran in any of its policies, practices or procedures. This includes but is not limited to admissions, employment, financial aid, and educational services.

Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Edwin L. Miller, Interim Director of Oklahoma Cooperative Extension Service, Oklahoma State University, Stillwater, Oklahoma. This publication is printed and issued by Oklahoma State University as authorized by the Dean of the Division of Agricultural Sciences and Natural Resources and has been prepared and distributed at a cost of 21 cents per copy. 0108 GH

TESTING SERVICES and PRICE LIST

SOIL, WATER & FORAGE ANALYTICAL LABORATORY



*Oklahoma Cooperative Extension Service
Oklahoma State University*

Effective January 1, 2008

**Division of Agricultural Sciences
and Natural Resources
Oklahoma State University**