

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 \$6.00

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

NH₄-N and NO₃-N

Test 3 \$8.00

Water Soluble P

SUBMITTING SAMPLES



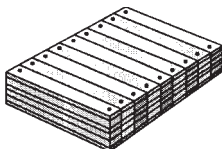
Soil, water and plant samples should be submitted through your County Cooperative Extension Office. They provide sample bags and water bottles and handle mailing of samples to the laboratory. Your County Extension Educators can assist with proper sampling techniques, test result interpretations, and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

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(405) 744- 9575 Fax

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E-mail: soiltesting@okstate.edu

Oklahoma Cooperative Extension Service

Leaflet L- 241

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TESTING SERVICES and PRICE LIST

SOIL, WATER & FORAGE ANALYTICAL LABORATORY



*Oklahoma Cooperative Extension Service
Oklahoma State University*

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