

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

NH₄-N and NO₃-N

Test 3 \$8.00

Water Soluble P

SUBMITTING SAMPLES



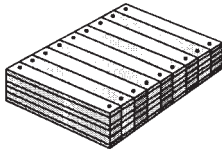
Soil, water and plant samples should be submitted through your County Cooperative Extension Office. They provide sample bags and water bottles and handle mailing of samples to the laboratory. Your County Extension Educators can assist with proper sampling techniques, test result interpretations, and 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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Stillwater, OK 74078

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(405) 744- 9575 Fax

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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*

Effective January 1, 2008

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