

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 \$10.00

(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 \$8.00

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 - \$10.00

Sodium Magnesium
Calcium Potassium
Chloride Nitrate-Nitrogen
Sulfate Electrical Conductivity
pH Total Soluble Salts*
Hardness

Irrigation - \$12.00

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 8.00

NH₄-N and NO₃-N

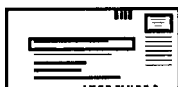
Test 3 6.00

Water Soluble P

SUBMITTING SAMPLES

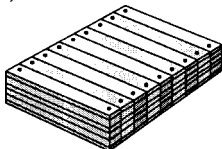


Soil, water and plant samples should be submitted through your County Cooperative Extension Office. They provide sample bags and water bottles and handle mailing of samples to the laboratory. Your County Extension Educators can assist with proper sampling techniques, test result interpretations, and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

ratory 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

www.soiltesting.okstate.edu

Soils_Lab@mail.pss.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. 0105 GH

TESTING SERVICES and PRICE LIST

SOIL, WATER & FORAGE ANALYTICAL LABORATORY



Oklahoma Cooperative Extension Service
OKLAHOMA STATE UNIVERSITY

Effective January 1, 2005

Department of Plant & Soil Sciences
Division of Agricultural Sciences
and Natural Resources