

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 posted on the internet. Forage nitrate results are posted two days after samples are received. Charges for laboratory services are billed monthly from the office through which the sample was submitted.

Learn More:

Soil, Water and Forage Analytical Laboratory
045 Agricultural hall
Oklahoma State University
405-744-6630
soiltesting.okstate.edu
soiltesting@okstate.edu



EXTENSION

Soil, Water and Forage Testing Services & Price List



Visit us at soiltesting.okstate.edu

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EXTENSION

AGRICULTURAL SCIENCES AND NATURAL RESOURCES

Forage and Feed

Protein only Protein & Moisture	\$8.00
Basic Protein & Moisture ADF (Acid Detergent Fiber) TDN (Total Digestible Nutrients) Net Energy for: Gain; Lactation; and Maintenance	\$14.00
Basic Plus RFV Protein, Moisture, ADF, & Energy NDF (Neutral Detergent Fiber) RFV (Relative Feed Value - for alfalfa only)	\$20.00
Nitrate Toxicity Nitrate Moisture	\$6.00
Minerals Ca, P, K, Mg, S, Cu, Fe and Zn	\$15.00

Plant Tissue

TN, P, K, Ca, Mg, S, B, Cu, Fe, Mn, and Zn	\$23.00
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Animal Waste & Compost

Test 1 pH, EC, Moisture, TN, C, S, P, K, Ca, Mg, Na, Cu, Zn, Mn and Fe	\$30.00
Test 2 NH ₄ -N and NO ₃ -N	\$6.00
Test 3 Water Soluble P	\$8.00

Soil

Soil Fertility

Routine pH and buffer Index (Sikora) Nitrate-Nitrogen Available Phosphorus Index (MIII) Available Potassium Index (MIII)	\$10.00
Subsoil Nitrate-Nitrogen (with submission of surface soil)	\$2.00
Nitrate-Nitrogen	\$4.00
Secondary Nutrients Sulfate-Sulfur Magnesium and Calcium	\$4.00
Micronutrients Iron, Zinc and Boron	\$4.00
Organic Matter	\$8.00
Greenhouse Media (Saturated Media Extraction) Sodium Phosphorus pH Calcium Sulfur Nitrate-N Magnesium Boron Ammonium-N Potassium Electrical Conductivity	\$20.00

Water

Homebrewer Sodium Sulfate Calcium Phosphorus Magnesium Iron Potassium Zinc Copper Hardness Manganese Electrical Conductivity pH Total Dissolved Solids Alkalinity Nitrate Chloride	\$21.00
Livestock Sodium Sulfate Calcium Chloride Magnesium Nitrate Potassium pH Copper Hardness Iron Electrical Conductivity Manganese Total Dissolved Solids Zinc	\$18.00

Soil Salinity

Salinity Management (1:1 extraction for diagnostic purposes) Sodium Magnesium Calcium Potassium pH Total Dissolved Solids Boron Electrical Conductivity SAR ESP	\$30.00
Comprehensive Salinity (Saturated paste extraction) Sodium Magnesium Calcium Potassium Chloride Nitrate-Nitrogen Sulfate Electrical Conductivity Carbonate Bicarbonate pH Total Dissolved Solids Boron ESP SAR	\$70.00
Soil Texture Textural Class (Hydrometer Method) % sand, silt, clay	\$14.00

Household Sodium Sulfate Calcium Chloride Magnesium Nitrate Potassium pH Copper Hardness Iron Electrical Conductivity Manganese Total Dissolved Solids Zinc	\$18.00
Irrigation Sodium Magnesium Calcium Potassium Chloride Nitrate Sulfate Electrical Conductivity pH Total Dissolved Solids Boron Hardness Carbonate Bicarbonate SAR	\$18.00