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 0klahoma State University 405-744-6630 soiltesting.okstate.edu soiltesting@okstate.edu

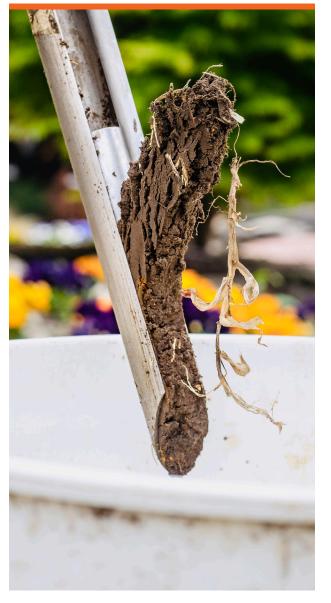


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Soil, Water and Forage Testing Services & Price List





Forage and Feed

Protein only \$8.00 Protein & Moisture

Basic \$14.00

Protein & Moisture ADF (Acid Detergent Fiber) TDN (Total Digestible Nutrients) Net Energy for: Gain; Lactation; and Maintenance

Basic Plus RFV \$20.00

Protein, Moisture, ADF, & Energy NDF (Neutral Detergent Fiber) RFV (Relative Feed Value - for alfalfa only)

Nitrate Toxicity \$6.00

Nitrate Moisture

\$15.00 **Minerals**

Ca, P, K, Mg, S, Cu, Fe and Zn

Plant Tissue

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

Animal Waste & Compost

Test 1	\$30.00
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	

Soil

Soil Fertility \$10,00

Routine pH and buffer Index (Sikora) Sodium Nitrate-Nitrogen Calcium Available Phosphorus Index (MIII) На Available Potassium Index (MIII) Boron \$2.00 **Subsoil Nitrate-Nitrogen** SAR (with submission of surface soil) \$4.00 Nitrate-Nitrogen Comprehensive Salinity **Secondary Nutrients** \$4.00

\$8.00

Sulfate-Sulfur

Magnesium and Calcium

\$4.00 **Micronutrients**

Iron. Zinc and Boron **Organic Matter**

\$20,00 **Greenhouse Media**

(Saturated Media Extraction)

Sodium Phosphorus рΗ Sulfur Calcium Nitrate-N Boron Magnesium Ammonium-N

Potassium **Electrical Conductivity** **Soil Salinity**

\$30,00 Salinity Management

(1:1 extraction for diagnostic purposes) Magnesium Potassium

Total Dissolved Solids **Electrical Conductivity**

\$70,00

(Saturated paste extraction)

Sodium Magnesium Calcium Potassium

Chloride Nitrate-Nitrogen

Sulfate **Electrical Conductivity**

Carbonate Bicarbonate

Total Dissolved Solids На **ESP**

Boron

SAR

Soil Texture \$14.00

Textural Class (Hydrometer Method)

Chloride

Hardness

Nitrate

На

% sand, silt, clay

Water

Homebrewer Household \$21.00 \$18.00 Sodium Sulfate

Sodium Sulfate Calcium Phosphorus Magnesium Iron Potassium Zinc Hardness Copper

Manganese **Electrical Conductivity** На **Total Dissolved Solids**

Alkalinity Nitrate

Chloride

Livestock \$18.00

Sodium Sulfate Calcium Chloride Magnesium Nitrate Potassium На Copper Hardness

Electrical Conductivity Iron **Total Dissolved Solids** Manganese Zinc

Calcium

Copper

Iron

Zinc

Magnesium

Potassium

Manganese

Irrigation \$18.00

Electrical Conductivity

Total Dissolved Solids

Sodium Magnesium Calcium Potassium Chloride Nitrate **Electrical Conductivity** Sulfate

На **Total Dissolved Solids**

Boron Hardness Carbonate Bicarbonate

SAR