

## SOIL



### Soil Fertility

**Routine \$10.00**

pH and buffer Index (Sikora)  
Nitrate-Nitrogen  
Available Phosphorus Index (MIII)  
Available Potassium Index (MIII)

**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 \$8.00**

### Soil Salinity

**Salinity Management \$15.00**

(1:1 extraction for diagnostic purposes)  
Sodium Magnesium  
Calcium Potassium  
pH Total Dissolved Solids  
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 Dissolved Solids  
Boron ESP  
SAR

**Soil Texture \$10.00**

Textural Class (Hydrometer Method)  
% sand, silt, clay

## 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

**Minerals \$12.00**

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

## WATER

**Livestock - \$15.00**

Sodium Sulfate  
Calcium Chloride  
Magnesium Nitrate  
Potassium pH  
Copper Hardness  
Iron Electrical Conductivity  
Manganese Total Dissolved Solids  
Zinc

**Household - \$15.00**

Sodium Sulfate  
Calcium Chloride  
Magnesium Nitrate  
Potassium pH  
Copper Hardness  
Iron Electrical Conductivity  
Manganese Total Dissolved Solids  
Zinc

**Irrigation - \$15.00**

Sodium Magnesium  
Calcium Potassium  
Chloride Nitrate  
Sulfate Electrical Conductivity  
pH Total Dissolved Solids  
Boron Hardness  
Carbonate Bicarbonate  
SAR

**Homebrewer - \$18.00**

Sodium Sulfate  
Calcium Phosphorus  
Magnesium Iron  
Potassium Zinc  
Copper Hardness  
Manganese Electrical Conductivity  
pH Total Dissolved Solids  
Alkalinity Nitrate  
Chloride

## PLANT TISSUE

TN, P, K, Ca, Mg, S, B, Cu,  
Fe, Mn, and Zn \$20.00

## Animal Waste & Compost

**Test 1 \$25.00**

pH, EC, Moisture, TN, C,  
S, P, K, Ca, Mg, Na, Cu,  
Zn, Mn and Fe

**Test 2 \$6.00**

NH<sub>4</sub>-N and NO<sub>3</sub>-N

**Test 3 \$8.00**

Water Soluble P

## SUBMITTING SAMPLES



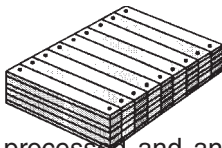
Soil, water and plant samples should be submitted through your County Cooperative Extension Office. They provide sample bags and water bottles and handle mailing of samples to the laboratory. Your County Extension Educators can assist with proper sampling techniques, test result interpretations, and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

## 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

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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