## 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
- **Greenhouse Media** $20.00 (Saturated Media Extraction)
  - Sodium Phosphorus pH
  - Calcium Sulfur Nitrate-N
  - Magnesium Boron Ammonium-N
  - Potassium Electrical Conductivity

### Soil Salinity
- **Salinity Management** $25.00
  - (1:1 extraction for diagnostic purposes)
  - Sodium Magnesium
  - Calcium Potassium
  - pH Total Dissolved Solids
  - Boron Electrical Conductivity
  - SAR ESP

#### Comprehensive Salinity
- **$55.00**
  - (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

## 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
- Carbonate Bicarbonate
- pH Total Dissolved Solids
- Boron Hardness
- Carbonate SAR

### Homebrewer - $18.00
- Sodium Sulfate
- Calcium Phosphorus
- Magnesium Iron
- Potassium Zinc
- Copper Manganese pH
- Hardness Electrical Conductivity
- Total Dissolved Solids
- Nitrate Chloride

## 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

## PLANT TISSUE

### Test 1 $25.00
- 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

Additional analyses are available upon request, or check our website at www.soiltesting.okstate.edu
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
045 Agricultural Hall
Oklahoma State University
Stillwater, OK 74078
(405) 744-6630
(405) 744-9575 Fax
Website: www.soiltesting.okstate.edu
E-mail: soiltesting@okstate.edu

TESTING SERVICES and PRICE LIST

Effective March 1, 2020

Oklahoma Cooperative Extension Service
Division of Agricultural Sciences and Natural Resources
Oklahoma State University

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