

## 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

## 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	

### Homebrewer - \$18.00

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

### Irrigation - \$15.00

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

## 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



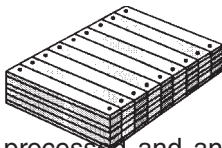
Soil, water and plant samples should be submitted through your County Cooperative Extension Office. They provide sample bags and water bottles and handle mailing of samples to the laboratory. Your County Extension Educators can assist with proper sampling techniques, test result interpretations, and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

045 Agricultural Hall  
Oklahoma State University  
Stillwater, OK 74078  
(405) 744- 6630  
(405) 744- 9575 Fax

Website: [www.soiltesting.okstate.edu](http://www.soiltesting.okstate.edu)

E-mail: [soiltesting@okstate.edu](mailto:soiltesting@okstate.edu)



## EXTENSION

Leaflet L- 241

Hailin Zhang, SWFAL Director  
Kendal Henderson, Laboratory Coordinator  
Barbara McCray, Data Management

Oklahoma State University, as an equal opportunity employer, complies with all applicable federal and state laws regarding non-discrimination and affirmative action. Oklahoma State University is committed to a policy of equal opportunity for all individuals and does not discriminate based on race, religion, age, sex, color, national origin, marital status, sexual orientation, gender identity/expression, disability, or veteran status with regard to employment, educational programs and activities, and/or admissions. For more information, visit <https://eeo.okstate.edu>.

Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, 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 Vice President for Agricultural Programs and has been prepared and distributed at a cost of 20 cents per copy. Revised 03/2020 GH

## TESTING SERVICES and PRICE LIST

### SOIL, WATER & FORAGE ANALYTICAL LABORATORY



**Effective March 1, 2020**

**Oklahoma Cooperative Extension  
Service**

**Division of Agricultural Sciences  
and Natural Resources**

**Oklahoma State University**