

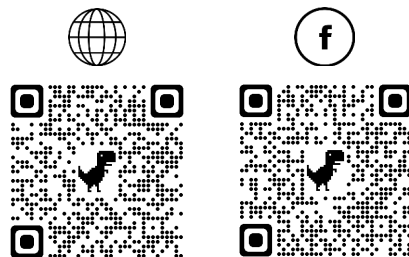
## COLLECTING A GOOD SOIL SAMPLE

- Soil properties vary from place to place. The sample should be representative of the lawn or garden as a whole.
- Do not sample unusual or non-representative areas.
- Scrape plant debris from soil surface before sampling.
- Sample lawns and gardens to a 6" depth.
- Using a clean bucket and soil probe or spade, combine cores or slices of soil from at least 15 locations scattered throughout the lawn or garden (see diagram).
- Mix soil thoroughly and fill the sample bag with a pint of the mixture.
- Submit samples to your county extension office. They will send samples to the OSU Soil, Water and Forage Laboratory for testing.



## CONNECT WITH US

Scan the QR code with your phone's camera to visit



## BENEFITS OF SOIL SAMPLING

- Take advantage of nutrients already in the soil.
- Identify nutrients that are lacking.
- Reduce fertilizer applications by applying only what is needed.
- Provided a proper balance of plant nutrients.
- Adjust soil pH to an optimum level.
- Reduce chances of excess nutrients getting into water sources.
- Saves you money.

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**PAYNE COUNTY  
EXTENSION**

## START WITH A SOIL SAMPLE



**Payne County  
OSU Extension Service**  
315 W. 6th Ave., Suite 103  
Stillwater, OK 74075  
405-747-8320

Monday— Friday  
8 a.m.-4:30 p.m.

Closed on Holidays

**SOIL, WATER & FORAGE  
ANALYTICAL LABORATORY Testing  
Services  
and Price List**

Oklahoma State University  
048 Agriculture Hall  
Stillwater, OK 74078  
soiltesting@okstate.edu

Additional tests may be available upon request. Payment is due when sample is brought to our office at 315 W. 6th, Suite 103, Stillwater. Cash or check only. Results are provided within 14 business days.



Scan with your phone's camera to visit the SWFAL website.

**SOIL PROPERTY ANALYSES**

**Soil Fertility**

<u>Routine Analysis</u>	\$10
pH (1:1), Lime Requirement (Sikora), NO3-N, Soil Test P & K (Mehlich 3)	
<u>Subsoil Nitrate-N</u>	\$2
(with the submission of Surface Soil)	
<u>Nitrate-N or Ammonium-N</u>	\$4
NO3-N or NH4-N (1M KCl)	
<u>Nitrate-N and Ammonium-N</u>	\$5
NO3-N or NH4-N (1M KCl)	
<u>Secondary Nutrients</u>	\$4
Mg, Ca (M3), and SO4 (0.008M Calcium Phosphate)	
<u>Micronutrients</u>	\$4
Fe, Zn, B and Cu (DTPA – Sorbitol)	

**Soil Texture**

Textural Class (Hydrometer)	\$14
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**SOIL PROPERTY ANALYSES**

**Soil Salinity**

<u>Salinity Management</u>	\$30
(1:1 Soil to water Extraction) - Na, Ca, Mg, B, EC, TDS (Total Dissolved Solids), SAR, K, ESP, pH	
<u>Comprehensive Salinity</u>	\$70
(Saturated Paste Extraction) Na, Ca, Mg, K, B, EC, TDS, SAR, ESP, pH, Cl-, CO3 2-, HCO3 -, NO3 -N, SO42-	

**Soil Organic Matter & Nitrogen**

<u>Organic Matter</u>	\$8
<u>Total Nitrogen</u>	\$8
TN% (LECO)	
<u>Organic Carbon &amp; Total Nitrogen</u>	\$8

**GREENHOUSE ROOT MEDIA ANALYSIS**

<u>Greenhouse Media</u>	\$20
(Saturated Media Extraction) Na, Ca, Mg, K, P, S, B, EC, pH, NO3 -N, NH4 -N	

**WATER QUALITY ANALYSIS**

<u>Livestock Water</u>	\$18
Na, Ca, Mg, K, Fe, Zn, Cu, Mn, EC, pH, NO3-N, Cl-, SO4 2-, TDS (Total Dissolved Solids), and Hardness	
<u>Household Water</u>	\$18
Na, Ca, Mg, K, Fe, Zn, Cu, Mn, EC, pH, NO3-N, Cl-, SO4 2-, TDS (Total Dissolved Solids), and Hardness	
<u>Irrigation Water</u>	\$18
Na, Ca, Mg, K, B, EC, pH, NO3-N, Cl-, SO4 2-, CO3 2-, HCO3 -, SAR, TDS, and Hardness	
<u>Homebrewer Water</u>	\$21
Na, Ca, Mg, P, K, Fe, Zn, Cu, Mn, EC, pH, NO3-N, Cl-, SO4 2-, TDS, Alkalinity and Hardness	
<u>Nitrate-N or Ammonium-N</u>	\$3
<u>Nitrate-N and Ammonium-N</u>	\$4
<u>Ortho-P or Total Dissolved P (TDP)</u>	\$3

**FORAGE QUALITY ANALYSES**

<u>Nitrate Toxicity</u>	\$6
Nitrate and Moisture	
<u>Protein Only</u>	\$8
Protein (Dry Combustion – LECO) and Moisture	
<u>Basic Analysis</u>	\$14
Protein and Moisture, ADF (Acid Detergent Fiber), TDN, Net Energy for Gain, Lactation, Maintenance	
<u>Basic Analysis Plus RFV</u>	\$20
Protein and Moisture, ADF, TDN, Energy, NDF (Neutral Detergent Fiber) and RFV (Relative Feed Value for	

**PLANT TISSUE SAMPLE ANALYSIS**

<u>Plant Tissue Analysis</u>	\$23
TN, P, K, Ca, Mg, S, B, Cu, Fe, Mn and Zn	

**FEED AND GRAIN SAMPLE ANALYSES**

<u>TN or C or Both</u>	\$8
Total Nitrogen and Carbon (Dry Combustion – LECO)	
<u>Minerals</u>	\$15
Ca, P, Mg, K, S, Cu, Fe, Zn, Mn and Moisture	

**COMPOST/ANIMAL WASTE ANALYSES**

<u>Test 1</u>	\$30
pH, EC, Moisture, TN, TC, S, P, K, Ca, Mg, Na, Cu, Zn, Mn, and Fe	
<u>Test 2</u>	\$6
NH4-N and NO3-N	
<u>Test 3</u>	\$8
Water Soluble P	