UTEXTENSION
INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

Plant or Turf Diagnostic Submission Sheet

2026 Front

Soil, Plant & Pest Center
5201 Marchant Dr. |Nashville, TN 37211
615-832-5850 | SoilLab@Tennessee.edu
SoilLab.Tennessee.edu

Name: _____

Company:_____

Address:_____

City:_____ State:____ Zip: _____

TN County *(Sample is from)*:_____

Phone:_____

Email:_____

Total: $_____ Date: _____

Cash or CC in person Receipt#_____

Check # _____ *Payable to 'University of Tennessee'*

Or pay on-line at: soillab.tennesee.edu

Online order #:_____

DASH department name and string (to at least dept #)
UT System Transfer only

_____

†

Sample name *(you give this)*	**Plant or turf diagnostic $30** Includes microscope examination, media plate culturing, applicable immunostrip testing and identifying insect pests. Diagnostics are made to the treatment level.	**Lab #** *(SPPC USE ONLY)*

--- We cannot confirm herbicide damage, household mold, or structural/fell tree wood decay ---

PLANT NAME *(and variety if known)*: _____ **Year planted:**_____

LOCATION: ☐ landscape ☐ lawn ☐ garden ☐ greenhouse ☐ field ☐ in home

SIGN / **SYMPTOM:** When did symptoms first appear? _____ # of plants or area affected _____ of _____

Symptom development: ☐ gradual ☐ sudden **Distribution**: ☐ scattered ☐ clustered ☐ in a row or pattern

Whole plant*:** ☐ stunted growth ☐ twisting ☐ wilting ☐ dieback ***Roots: ☐ exposed ☐ rotting ☐ easy to pull out of ground

On Leaf: ☐ yellowing ☐ spotting ☐ edge scorch ☐ necrotic spots ☐ distortion ☐ curling ☐ shot holes ☐ spider-like webbing ☐ galls ☐ blisters ☐ mildew ☐ rust ☐ mottling/mosaic ☐ defoliation

On stems or trunk: ☐ weeping ☐ oozing ☐ cankers ☐ cracking ☐ holes ☐ fungi at base of plant

On fruit: ☐ mummified ☐ oozing ☐ rotting ☐ spotting ☐ scab ***On Flowers:*** ☐ distortion ☐ 'witches' broom'

PLANT/CROP HISTORY: _____ **PAST PROBLEMS:**_____

IRRIGATION: ☐ Yes ☐ No Source:_____**Method:** ☐ sprinkler ☐ trickle ☐ drip furrow other_____

How often and when: _____How much irrigation is applied_____

WEATHER (*immediately prior to and during symptom development*)**:** ☐ hot ☐ cooler ☐ wet ☐ dry ☐ humid ☐ windy ☐ hail

SOIL: ☐ sandy ☐ loamy ☐ clayey ☐ potting media ☐ raised bed **DRAINAGE:** ☐ poor ☐ well

FERTILIZER/CHEMICAL HISTORY (names, rates, and dates)**:** _____

Description or specific questions (*be as specific as possible, remember the clinician is only seeing the specimen submitted)*

_____

_____

Pictures to email are:
1) The plant as a whole
2) The landscape area around the plant.
3) Base of the plant and root flare.
4) Any holes, weeping, or other damage.

- Email pictures to: plant_pictures@tennessee.edu
- Or scan the QR code to quickly pull up the email address.

Diagnostic samples can only be submitted if they are planted or being grown **in TN Counties only**.

†The University of Tennessee collects and summarizes sample data for research and extension education purposes.
By submitting this sample, you, or your agent, agree to this action. UT Extension provides equal opportunities in programs and employment.
Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development.

Instructions for Collecting, Preparing, and Mailing Samples

Videos on sampling can be found at out website:
soillab.tennessee.edu/plant-pests/

Woody and shrub Samples

vegetable and Herbaceous samples

Lawn and Turf Samples

Plant Disease Samples

1. Submit a COMPLETED Submission Sheet.
2. Send a whole plant sample, if possible. Dig plants out of the soil (DO NOT PULL). Gently shake excess soil from roots.
3. DO NOT wash roots.
4. When not possible to send whole plants, always send generous samples of above-ground portions (6 - 12 leaves per branch), and a good handful of feeder roots.
5. The sample must show various stages of symptom expression. When the whole plant can't be collected, select sample from the margin of the diseased area. Include a healthy plant if possible.
6. DO NOT send dry or dead material.
7. Enclose plant material in plastic bags; Bag root separate from above-ground portions. Place entire plant into a larger plastic bag.
8. DO NOT add water to any sample; DO NOT mix several host species in a single bag.
9. Send specimens immediately after collecting. If holdover periods are encountered, keep specimen (s) cold. Mail packages to arrive on weekdays (Monday thru Friday) rather than during a weekend or holiday.
10. Dead plants, material that is dry or decomposing on arrival and specimens arriving without necessary information and payment cannot be processed.

Turf or Golf Course Samples

1. Submit a COMPLETED Submission Sheet. PICTURES are required. Photos from standing height looking out across the turf are ideal. We must see the damage pattern.
2. When the disease is active, collect a cup-cutter sized plug (4" diameter) that is 4 - 5 inches deep from the edge of the infected area. That is take a plug from a good to bad transition. Wrap the plug in aluminum foil or saran wrap to keep it intact. Prevent soil from touching the leaves.
3. Ship overnight or bring immediately to the Center.
4. Collect samples prior to fungicide applications.

Please be advised, if pests of regulatory significance are identified on submitted samples, we are required to notify the Tennessee Department of Agriculture.