

Soil, Plant & Pest Center

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SoilLab.tennessee.edu
facebook.com/SoilPlantPestCenter



Payment Methods

Check: Please make check out to the University of Tennessee.

Credit Card: Please write your phone number on the submission sheet, and we will call for your credit card number.

Do not write down your credit card number.

Online: Visit SoilLab.tennessee.edu

Search all UT Extension publications at extension.tennessee.edu/publications

Find your local county Extension office at extension.tennessee.edu

Hemp Industry Reference Sheet: Soil and Plant Analysis

Services and Fees

Price per sample per analysis. Prices subject to change.

| Soil | | Plant Tissue Nutrients | |
|-----------------------------|----------|---------------------------------|----------|
| Nutrient test* | \$ 15.00 | Total nitrogen (N) | \$ 15.00 |
| Organic matter (combustion) | \$ 15.00 | Minerals [†] | \$ 20.00 |
| Soluble salts | \$ 10.00 | Total N & minerals [†] | \$ 33.00 |
| Texture (USDA) | \$ 30.00 | | |
| Heavy metal screening | \$ 40.00 | | |
| Potting Media | | Plant Pest Diagnostics | |
| Routine [¥] | \$ 35.00 | Disease diagnostic | \$ 15.00 |
| | | Insect ID | \$ 15.00 |

For tissue and disease samples, send a copy of your hemp license.

***Nutrients include:** pH, buffer pH, Mehlich-1 extractable phosphorus, potassium, calcium, magnesium, zinc, manganese, iron, and boron. Fertilizer and lime recommendations are also included in the plus test. **Volume discounts** available for 20+ and 40+ samples for soil samples delivered on same day, in sample boxes, and reported to one email/physical address.

†Minerals include: phosphorus, potassium, calcium, magnesium, sulfur, copper, zinc, manganese, iron, and boron.

¥ Potting media include: pH, soluble salts, ammonium, nitrate, phosphorus, potassium, calcium, and magnesium.

Sample Amount to Send

| | |
|----------------------|--|
| Soil test | 2 full cups (3 for multiple tests) |
| Potting media | ½ gallon |
| Plant disease | Ample amounts of <i>early to mid-stage symptomatic tissue.</i> (<i>Dead samples are useless.</i>) |

Tissue nutrient measurements are not established for hemp. To compare plants within your field, submit dual samples: 50 recently mature leaves that appear healthy and 50 leaves that do not appear healthy. (Do not send stalks.) Each sample set will be priced as listed above.

Sampling and Shipping Instructions

Before sending in a sample, please visit our website for sampling and shipping instructions at SoilLab.tennessee.edu

For plant samples, send a copy of your hemp license.

Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development.
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