

Individual Test Kits



Code 5012

HUMUS

Humus is organic matter which has decomposed to where it can contribute nutrients for plant uptake.

| Code/Model | Method | Range & Sensitivity | Reagent System | # of Tests | Shipping Code (Wgt/Lbs) |
|------------|----------------------------------|------------------------------------|----------------|------------|-------------------------|
| 5012/STH-1 | Color Chart, filtered extraction | Low to high in 5 increments, 1½-8% | EDTA | 50 | NH (2) |

ORGANIC MATTER

Organic matter is important to soil in that it serves as a reservoir for moisture and nutrients which will eventually become available to the plant.

| Code/Model | Method | Range & Sensitivity | Reagent System | # of Tests | Shipping Code (Wgt/Lbs) |
|------------|-----------------------------|------------------------------|-------------------------------------|------------|-------------------------|
| 5020/ST-OR | Large-scale buret titration | 0-1.6% by wt. Organic Matter | Acid-Dichromate mixture, 5 reagents | 25 | HF (16) |

pH

The pH value affects all mineral elements and the biological processes made available to plants from the soil. Accurate pH testing is essential to determine lime requirements and to insure that a mineral-rich soil is also a fertile one.

| Code/Model | Method | Range & Sensitivity | Reagent System | # of Tests | Shipping Code (Wgt/Lbs) |
|------------|---|--|----------------------------|------------|-------------------------|
| 5023/ST-M | 5 Color Charts & Spot plate Morgan Method | pH 3.8-8.4 in 0.2 increments (not for heavy clays) | 5 individual pH indicators | 50 | R2 (3) |
| 5024/ST-T | Color Chart & Spot Plate | pH 4.0, 5.0, 6.0, 7.0, 8.0 | Duplex Indicator | 100 | R1 (1) |



Code 5023



Code 1069

TEXTURE

The overall texture of a soil affects growth in the root zone, which determines the above-ground growth production, and is determined by the fractions of sand, silt, and clay present.

| Code/Model | Method | Range & Sensitivity | Reagent System | # of Tests | Shipping Code (Wgt/Lbs) |
|------------|----------|---|--------------------------|------------|-------------------------|
| 1067 | Settling | Determines sand, silt, & clay fraction, texture determined by chart | Dispersion, Flocculation | 50 | NH (2) |

PLANT TISSUE TESTING

Plant tissue testing provides essential information concerning plant use of nutrients vital to their growth. These simplified field tests for green plant tissue indicate whether growing plants are receiving adequate amounts of available nutrients from the soil. All tests give qualitative results for the specific nutrients. By comparing test results from healthy and problem plants, it is possible to pinpoint deficiencies or excessive nutrient conditions.

MACRONUTRIENT PLANT TISSUE KIT

Model PT-3R • Code 5026 • HF (3)

Reagent Refill • Code R-5026 • HF (2)

A complete kit for determining nitrates, phosphorus and potassium in plant tissue.

Diced green plant tissue is saturated in a Universal Extracting Solution to prepare a single liquid extract for use with all three tests. Qualitative results given as abundant, adequate, deficient only. Reagents for 50 tests per factor.

MICRONUTRIENT PLANT TISSUE KIT

Model PT-04 • Code 5261 • R1 (3)

Reagent Refill • Code R-5261 • R1 (2)

Includes tests for ferrous and ferric iron, zinc, copper, manganese, and boron. Each test is made from the sap of plant tissues, which is extracted by squeezing the tissue with pliers. Comparative tests are made between a healthy plant and a similar one showing deficiency symptoms. "Spot" tests indicate presence or absence only. Reagents for 50 tests each factor.



Code 5026