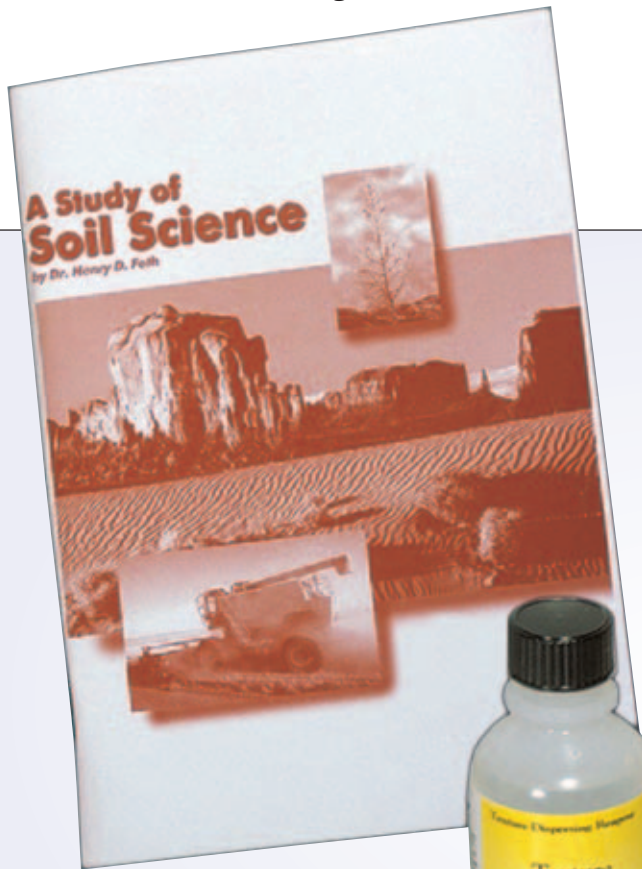




WATER & SOIL INSTRUMENTS

Individual Soil Testing Kits

ITK-5024
\$15



Shown smaller than actual size.



ITK-1067, \$57.

- ✓ Ideal for Quick Checks in the Field
- ✓ Test for Single Parameters

Individual Test Kits

In addition to the combination outfits for agricultural and turf soils, a selection of single parameter test kits is available for soil nutrients that may be of particular interest or a problem to the grower.

All OMEGA® soil test kits measure the portion of soil nutrients available for the plant to use. Since extraction is not complete, the amount that is measured is relative and is dependent on the extraction procedure. Pounds per acre represents the number of pounds of soil in an acre down to the depth of 6 to 7",

and is = 2,000,000 lb. Conversion from pounds per acre to parts per million is accomplished with the following formulas:

$$\begin{aligned} \text{ppm} \times 2 &= \text{lb/acre} \\ \text{lb/acre} \times 0.5 &= \text{ppm} \end{aligned}$$

A number of variables must be considered when interpreting soil test results in addition to the values obtained. These variables include the composition of the soil, drainage, climate, previous fertilizer programs, and the type of plant to be grown. Samples must also be truly representative of the area being studied and must be carefully selected.



Humus

Humus is organic matter which has decomposed to the point that it releases nutrients which are then available for plant uptake.

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)					
Model No.	Price	Method	Range & Sensitivity	Reagent System	# of Tests
ITK-5012	\$95	ColoRuler, filtered extraction	Low to high in 5 increments, 1½ to 8%	EDTA	50
R-ITK-5012	27	Reagent refill kit			

Kit contents vary. Each kit comes complete with everything necessary to perform the specified test.

Ordering Example: ITK-5012, ColoRuler filtered extraction, \$95.

Phosphorous

Phosphorus stimulates early root formation, gives a vigorous start to plants, hastens maturity, stimulates blooming and aids in seed formation. Symptoms of deficiency include stunted growth, leaf abnormalities, and even dead areas. Available nitrogen and soil pH in the range of 6.0 to 7.0 provide optimal conditions for the uptake of phosphorus.

To Order (Specify Model Number)					
Model No.	Price	Method	Range & Sensitivity	Reagent System	# of Tests
ITK-5025	\$88	Color chart, filtered extraction	10, 25, 50, 75, 100, 150, 200 lb/acre phosphorus	Ammonium Molybdate, 3 reagents	50
R-ITK-5025	39	Reagent refill kit			
R-ITK-5071	55	Reagent refill kit			

Texture

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

To Order (Specify Model Number)					
Model No.	Price	Method	Range & Sensitivity	Reagent System	# of Tests
ITK-1067	\$57	Settling	Determines sand, silt, & clay fraction, texture determined by chart	Dispersion, Floc.	50
R-ITK-1067	15	Reagent refill kit			

pH

The pH value affects all mineral elements and the biological processes that can be performed by plants in the soil. Accurate pH testing is essential to determine lime requirements and to insure that a mineral-rich soil is also fertile.

To Order (Specify Model Number)					
Model No.	Price	Method	Range & Sensitivity	Reagent System	# of Tests
ITK-5024	15	Color chart & spot plate	pH 4.0, 5.0, 6.0, 7.0, 8.0	Duplex Indicator	100
R-ITK-5024	6	Reagent refill kit			

Kit contents vary. Each kit comes complete with everything necessary to perform the specified test.

Ordering Example: ITK-5024, pH test kit, \$15.

ITK-1067, texture soil test kit, \$57.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

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• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters