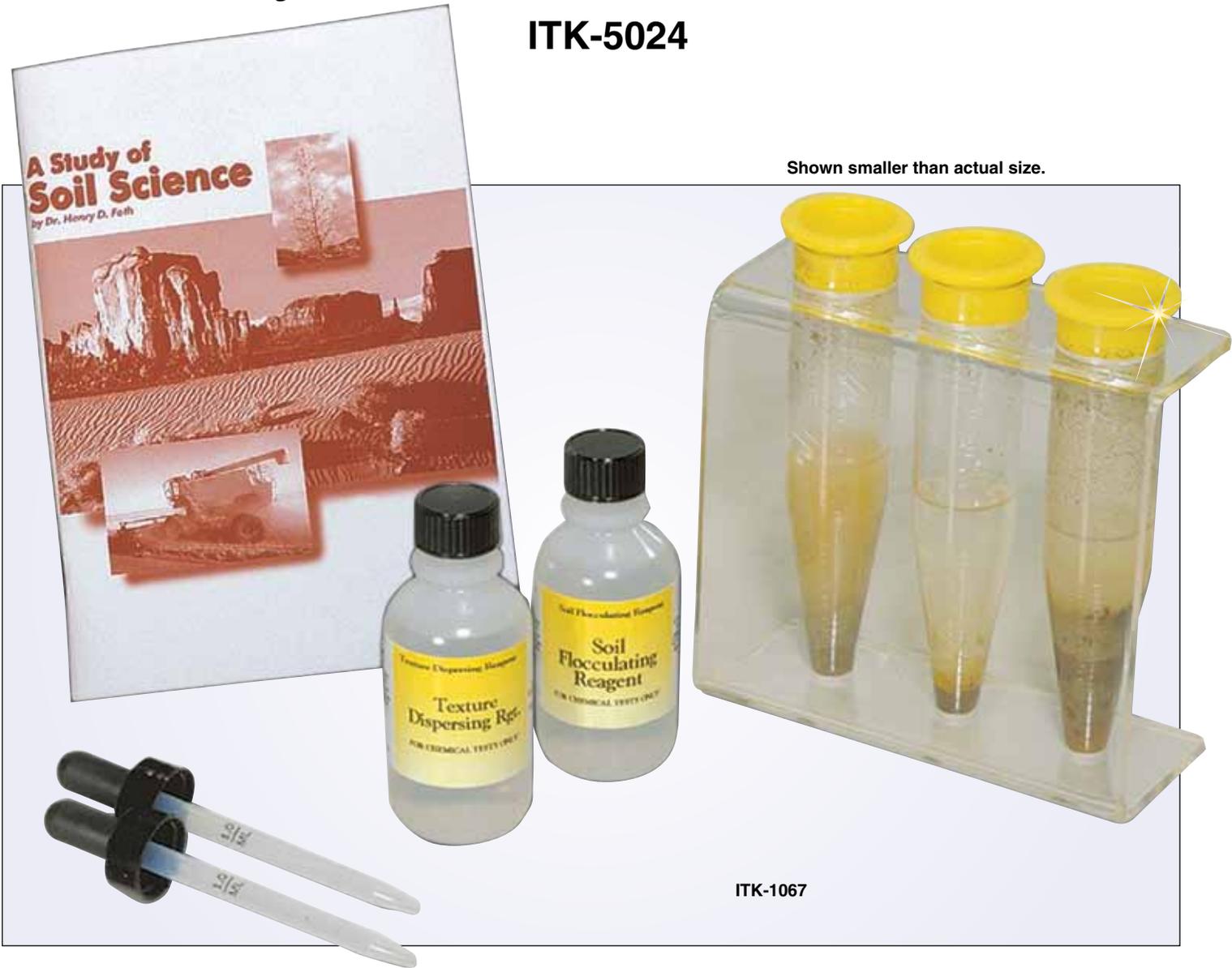




WATER & SOIL INSTRUMENTS

Individual Soil Testing Kits

ITK-5024



- ✓ 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:

$$\text{ppm} \times 2 = \text{lb/acre}$$

$$\text{lb/acre} \times 0.5 = \text{ppm}$$

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.

To Order				
Model No.	Method	Range & Sensitivity	Reagent System	# of Tests
ITK-5012	ColoRuler, filtered extraction	Low to high in 5 increments, 1½ to 8%	EDTA	50
R-ITK-5012	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.

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				
Model No.	Method	Range & Sensitivity	Reagent System	# of Tests
ITK-5025	Color chart, filtered extraction	10, 25, 50, 75, 100, 150, 200 lb/acre phosphorus	Ammonium Molybdate, 3 reagents	50
R-ITK-5025	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				
Model No.	Method	Range & Sensitivity	Reagent System	# of Tests
ITK-1067	Settling	Determines sand, silt, & clay fraction, texture determined by chart	Dispersion, Floc.	50
R-ITK-1067	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				
Model No.	Method	Range & Sensitivity	Reagent System	# of Tests
ITK-5024	Color chart & spot plate	pH 4.0, 5.0, 6.0, 7.0, 8.0	Duplex Indicator	100
R-ITK-5024	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.

ITK-1067, texture soil test kit.