

## Garden Guide Kit

Grades 5 and up

Order Code 5679-01 | LQ [4]

Reagent Refill R-5679-01 | LQ [3]

Daffodils drooping? Spinach looking sad? Need to test your garden soil? Use this simple economical kit to measure nitrogen, phosphorus, potassium [15 tests each] and soil pH [30 tests].

- ▶ diagrammed instructions
- ▶ laminated color charts
- ▶ Garden Guide manual
- ▶ LaMotte Soil Handbook
- ▶ A Study Of Soil Science



English,  
Spanish  
& French  
Instructions!

Code 5679-01

## Soil Texture Unit

Grades 5 and up

Order Code 1067 | NH [2]

Reagent Refill R-1067 | NH [1]

A great kit for testing and demonstrating different soil textures and properties. Students test soil from the schoolyard, or can compare soil samples brought from home. 50 tests.



Code 1067



## Soil Sampling Tube

Order Code 1055 | NH [2]

A 12" galvanized steel sampler with a 1" core diameter, saw-toothed tip. A cut-away side allows examination of core prior to removal for testing. Comes with 20 soil sampling bags.



Code 1055

## Soil Microbe Hunter

Grades 5 and up

Order Code 5563 | NH [1]

Students research the process of soil formation, soil characteristics, and the influence of environmental conditions on soil microbe populations. Students assess and sample various soil ecosystems using the surface contact impression technique, dilution technique, root wash technique, and the Rossi-Cholodny buried slide contact transfer technique. Microbes are identified and enumerated to calculate microbial diversity.

Activities and topics include the effect of fertilizer on lawn microbe populations, rhizosphere ecosystems, biological soil crusts, and biopesticides. STEM extension activities include *Is There Such a Thing as Sterile Soil?*, *Investigating Soil Inoculants* and *Soil Crust Hunt*.



Code 5563