

SOIL SAMPLING TUBE

Code 1055



The Soil Sampling Tube [Code 1055] is a hollow cylinder of galvanized steel with a handle at one end and a saw-toothed cutting edge at the other. One side of the cylinder is cut away to permit inspection of soil core stratification. The sampler is 12 inches in length and removes a soil core 1 inch in diameter. The cutaway “viewing window” begins 1 inch above the cutting edge and is 9.75 inches long.

PROCEDURE

1. Holding the tube in a vertical position, force it into the soil approximately 6 to 9 inches. Leave about 1 inch of the cutaway portion of the tube showing above the surface of the soil. Deeper penetration will compress the soil in the tube, making it difficult to remove.
2. Twist the tube back and forth to sever the core.
3. Continuing to twist the tube back and forth with a rapid motion, lean the tube toward you with the cutaway portion facing up and slowly withdraw the tube from the soil. The twisting motion will insure that the tube is withdrawn without breaking soil or turf, resulting in a perfect soil sample. The wetter the soil, the more carefully these instructions must be followed.
4. Remove the soil sample through the cutaway portion of the tube. When soil tests are to be performed on sample taken from a particular depth [e.g., 6 to 8 inches], simply measure downward from the top of the soil core to locate soil from the desired depth. Use a clean utensil to dislodge soil remaining in the tip of the sampler.

A detailed discussion of the proper technique for collection and preparation of soil samples may be found in any one of the publications available from LaMotte Company: **A Study of Soil Science** [1530-FREE at lamotte.com] or **The LaMotte Soil Handbook** [1504].

An abbreviated discussion of soil sample collection and preparation is printed on each LaMotte Soil Sample Bag [Code 0615]. Achieving optimum results with LaMotte soil test equipment requires careful attention to the sampling process.