

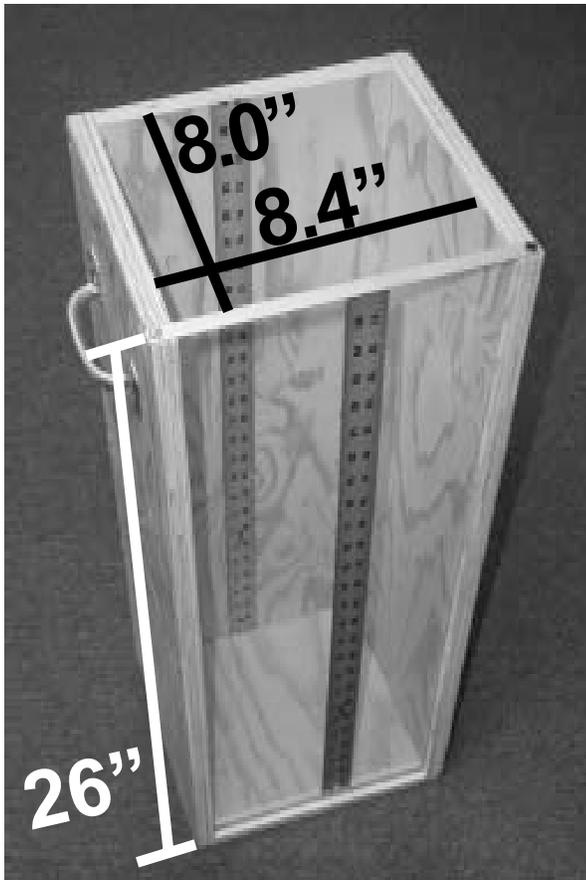
Make Your Own Measure!

Due to the overwhelming response concerning new measurement regulations, the NBSPA is no longer able to provide boxes to use for measurement. However, below are the specifications for building the box required to ensure that your company is in compliance with these new standards. If followed properly, these directions should provide you all the help you need to measure your soils!

How To Build Your Own Container to Measure Soils Packaged By Volumes Less Than 1 Cubic Foot

Materials and Dimensions

- A. Interior Dimensions = 8.0" (D) x 8.4" (W) x 26" (H)
- B. 3/4-inch exterior plywood
- C. 1/4-inch thick plexiglass — Exterior Dimensions = 8.9" (W) x 26.25" (H)
- D. 3 surface-mount handles
- E. 1 metal strap 0.5" wide and 9.25" long
- F. 2 rulers 26" long marked in 1", 1/8" and 1/16" increments



Construction

- A. Route a 0.25" deep groove to securely hold the plexiglass front panel at sides and bottom.
- B. Route groove in back wall of box to hold metal ruler flush with wall surface, but offset groove so the right edge of the ruler is on the center line of the wall.
- C. Assemble box with interior dimensions as shown in "Materials and Dimensions (A)" above.
- D. Slide plexiglass into place and mount metal strap over top of sheet to secure the plexiglass and stabilize front edge of box.
- E. Mount ruler in back surface groove (touching bottom surface) on the exterior surface of the plexiglass, but with left edge of ruler on center line of surface.
- F. Mount second ruler (with same orientation and touching bottom surface) on the exterior surface of the plexiglass, but with left edge of ruler on center line of surface.
- G. Attach handles 3" from top and bottom of one side of box.
- H. Attach handle 3" from top on opposite side of box.

Note: Plexiglass and rulers should be flush with the top surface of the box.

Properly constructed, each inch of column height equals 1 dry quart (67.2 cubic inches). So, a 10" high column = 10 quarts or 672 cubic inches.

The 5% MAV for 10 qt.= $672 \times .05 = 33.6$ cu. in./ $67.2 = 0.5$ inch or a minimum content of 9.5" column height for a 10 quart bag. (NOTE: the average of all bags sampled must equal or exceed 10" for a 10 quart bag.)

Questions? Call Robert LaGasse at 703.257.0111 or e-mail him at info@nbspa.org.