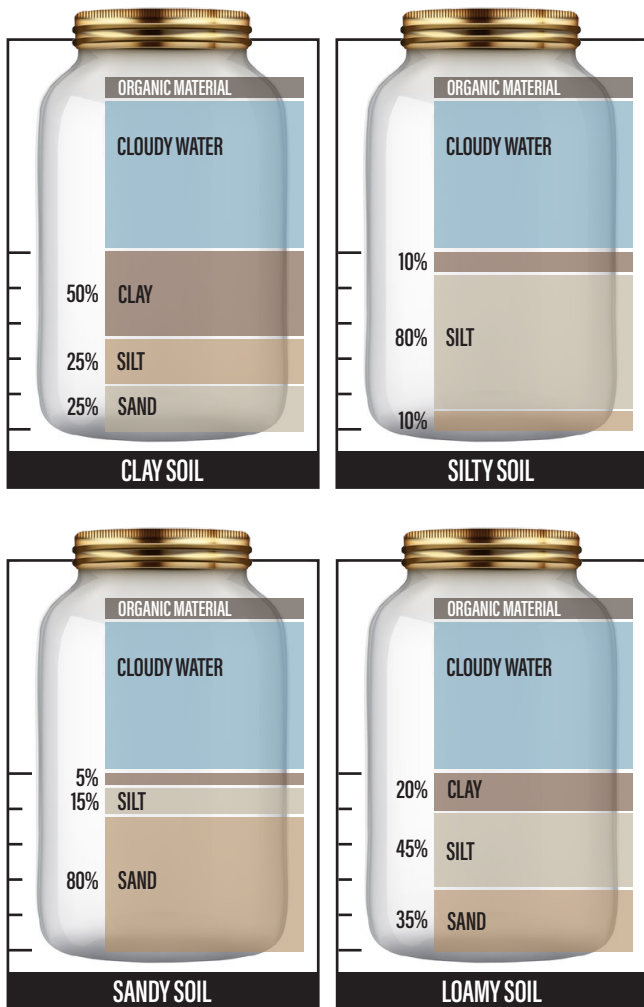


# Soil-Typing

## DETERMINING SOIL TYPE USING THE JAR COMPOSITION TEST



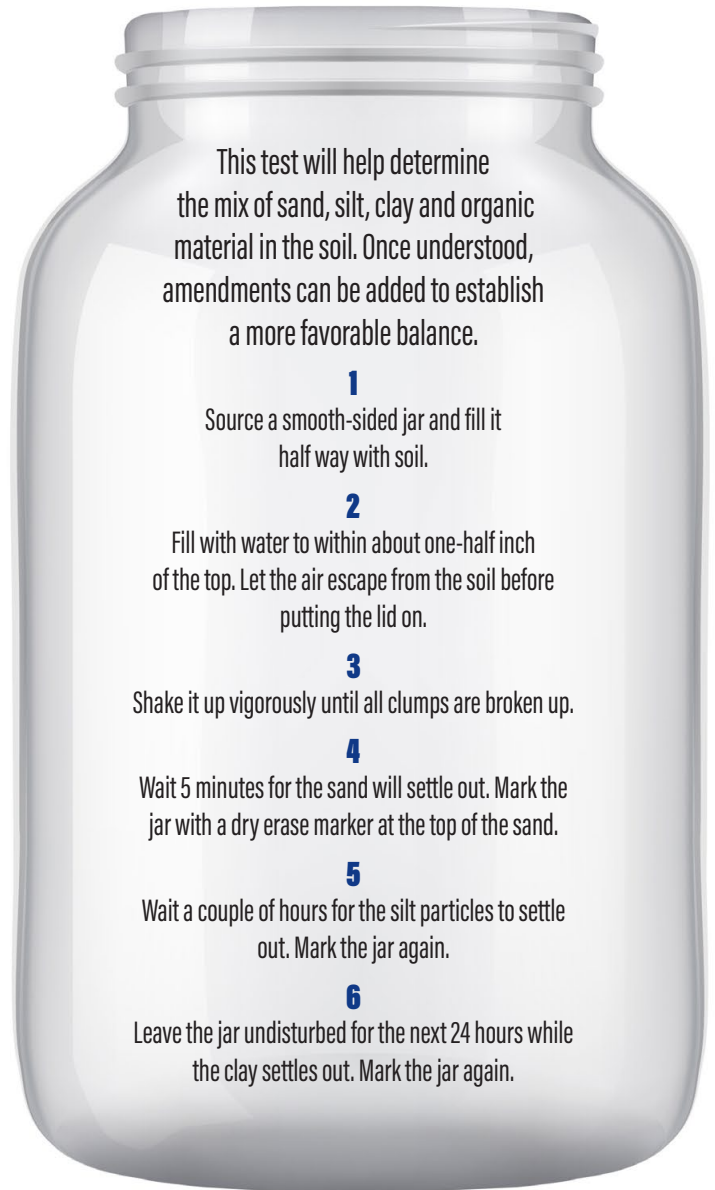
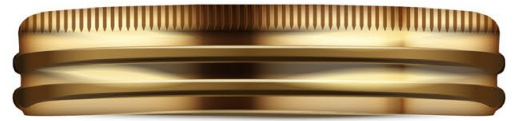
### Analyzing the Results

**CLAY SOIL:** More than 40% clay, less than 40% silt, and less than 45% sand.

**SILTY SOIL:** More than 70% silt, less than 10% clay, and less than 15% sand.

**SANDY SOIL:** More than 75% sand, less than 15% silt, and less than 10% clay.

**LOAMY SOIL:** Anything else—congratulations! You've got loamy soil.



This test will help determine the mix of sand, silt, clay and organic material in the soil. Once understood, amendments can be added to establish a more favorable balance.

**1**

Source a smooth-sided jar and fill it half way with soil.

**2**

Fill with water to within about one-half inch of the top. Let the air escape from the soil before putting the lid on.

**3**

Shake it up vigorously until all clumps are broken up.

**4**

Wait 5 minutes for the sand will settle out. Mark the jar with a dry erase marker at the top of the sand.

**5**

Wait a couple of hours for the silt particles to settle out. Mark the jar again.

**6**

Leave the jar undisturbed for the next 24 hours while the clay settles out. Mark the jar again.



SoilRox™ functions in-soil on two levels:

- 1) as micro-sponges to capture and then slow-release moisture and nutrients back into the root zone, and
- 2) as a physical conditioning amendment, creating elemental tilth to improve the functional structure of poor native soils.

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