

## What is soil texture? Classification system of soil texture

### What Is Soil Texture? Classification System Of Soil Texture

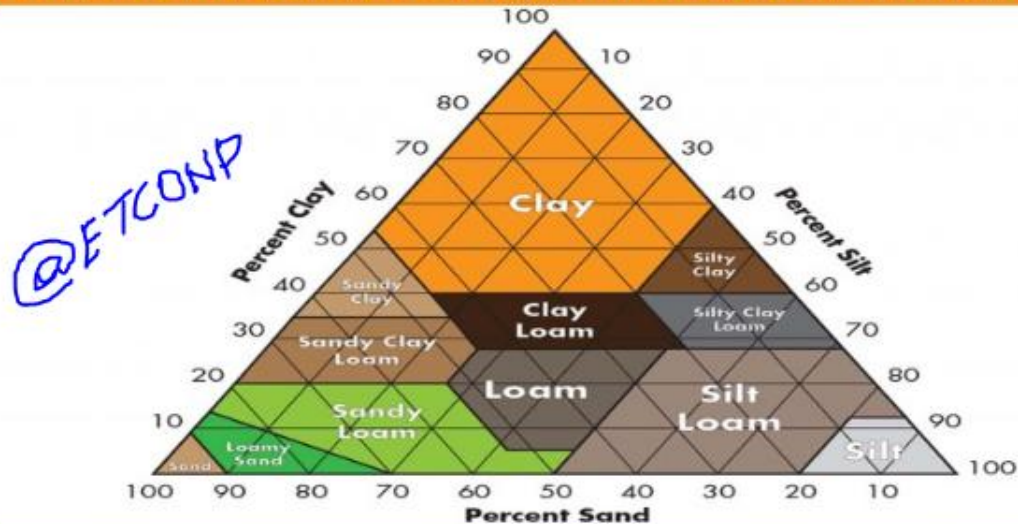


Figure1. Soil texture

source: - topper

### What is soil texture?

Soil texture refers to the amount – and size – of clay, sand and silt particles in a sample of soil. It's an important property for soil – it can tell you how much water and nutrients that soil can hold, how fast soil will drain, how much air is in the soil and how deep your grass roots extend. Your soil make up can also give a good idea about how your turf grass will grow by where it falls on the soil texture triangle. Source: - USCS (UNIFIED SOIL CLASSIFICATION SYSTEM)

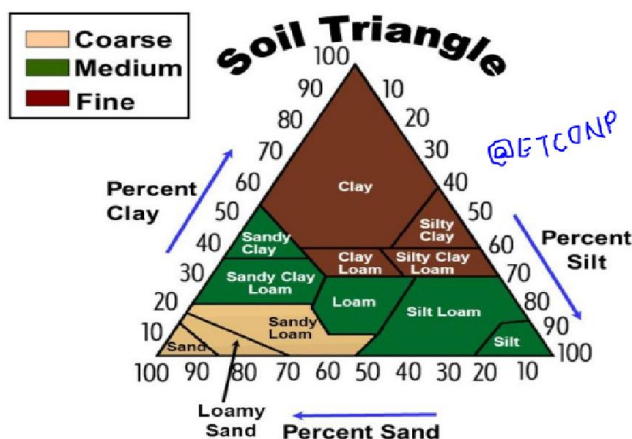


Figure2. Soil triangle

source:-topper

## The texture of the soil is dependent on

1. Particle size distribution
2. The size of the particles
3. Gradation of the particle

When the textural classification soil is concerned, we only take into consideration the particle size distribution. The other two parameters are difficult to incorporate into this size.

Source:-ntpel

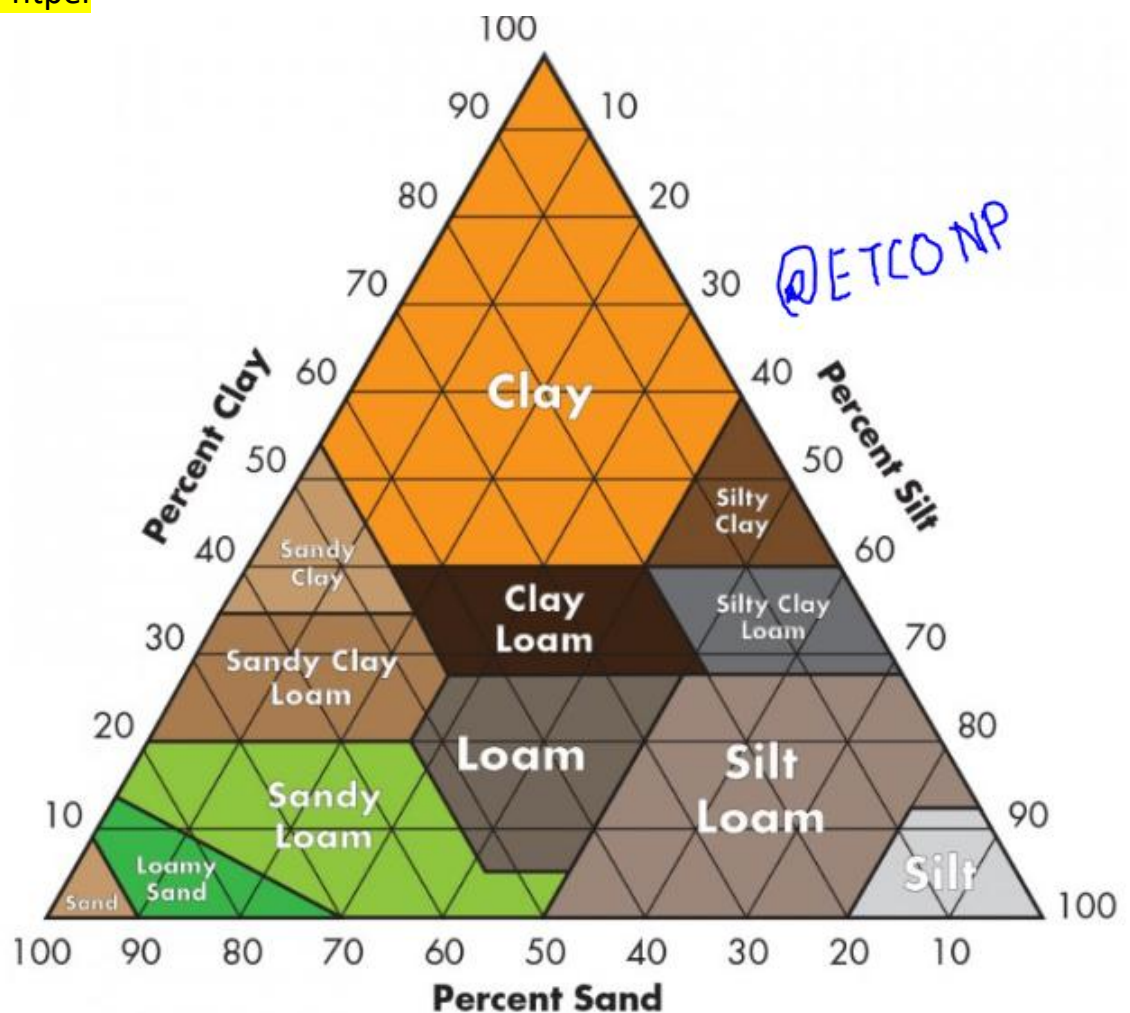


Figure3. Soil texture

source: - topper

## Textural classification system

The US public bureau of public roads recommends triangular classification system of soil which is commonly called as the textural classification systems, where the three sides of the equilateral triangle represents the percentage of sand, silt and clay. Where the size of

- Sand = 0.05 -2 mm
- Silt = 0.005- 0.05 mm
- Clay = size < 0.005 mm

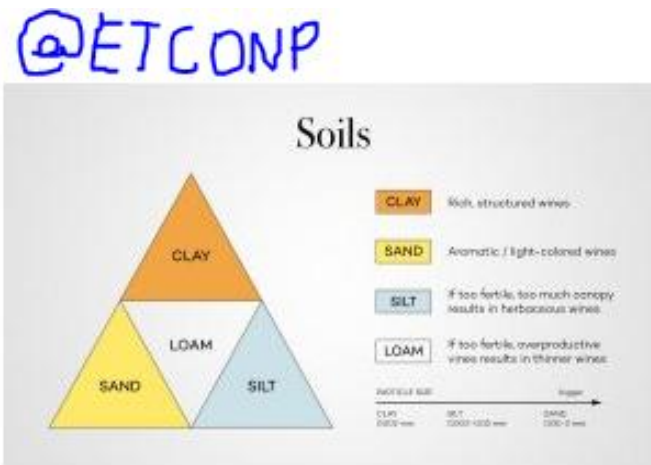


Figure 4. Triangular soil source: - UCSC

@ETCONP

