

Improving Clay and Compacted Soils



Recognizing Clay Soils:

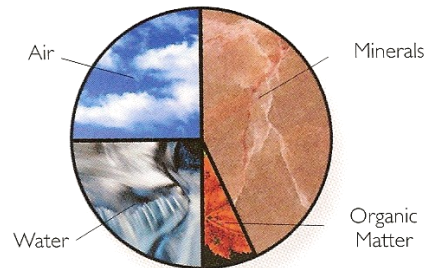
- *Contain tiny particles that are easily compacted*
- *Feel very dense and heavy when wet*
- *Can become waterlogged*
- *Surface often cracks when dry*
- *Very difficult to work when preparing soil or planting*



Red Butte Botanical Gardens

Ideal soil has 25% pore space available for air.

Four Principal Components of soil



Utelite Expanded Shale Long Term Benefits:

- *Permanent Application*
- *Restores Gaps & Pore Spaces*
- *Improves Drainage & Aeration*
- *Increases Moisture Retention*
- *Increases Resistance to Compaction*
- *Encourages Deep Rooting*
- *Easier to Work & Maintain*

*Utelite Expanded Shale products can be either mechanically premixed to create customer soils or be mechanically tilled into existing soils. In the case of soils being premixed, specifications generally call for 20-30% of the total soil volume to be Utelite. When incorporating the Utelite into existing soils, 1-3 inches is placed over the soil and then tilled into the top 6-8 inches. Utelite **Soil Conditioner** & Utelite **Soil Builder** are most often used for these applications.*



Utelite's porous texture physically breaks up the clay soil.