

**The First Step In Raising Roses—
Provide the plant with a benevolent soil
environment**

**Roots Need Oxygen—Roots need water
Of the total soil volume**

——25 % should be air spaces

**——25 % should be moisture These are very
critical parts of the soil**

**The remaining 50% should be divided as
follows**

——40% minerals

——10% organic

The minerals are there in the clay

**In heavy clay soils, the addition of composted
humus will provide the organic part**

**The porosity and water retention properties of
the soil are developed as a result of the billions
of microorganisms feeding on the organic
material.**