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"We know more about the movement of celestial bodies than about the soil underfoot."

-Leonardo da Vinci

Living in the soil are plant roots, bacteria, fungi, protozoa, algae, mites, nematodes, worms, ants, maggots, insects and grubs, and larger animals.

## science of soil

made of about 45% minerals 25% water

5% organic 25% air



## what's underneath



Healthy soil has amazing water-retention capacity.

increase in organic matter gal of available nesults in as much as soil water per acre.



One teaspoon of healthy soil contains



All of the soil microbes in 1ac/ft of soil weigh more than 2 COWS

Earthworm populations consume

of dry matter per acre per year, partly digesting and mixing it with soil

what it does



Healthy soil is given to feeding billion in it is by 2050