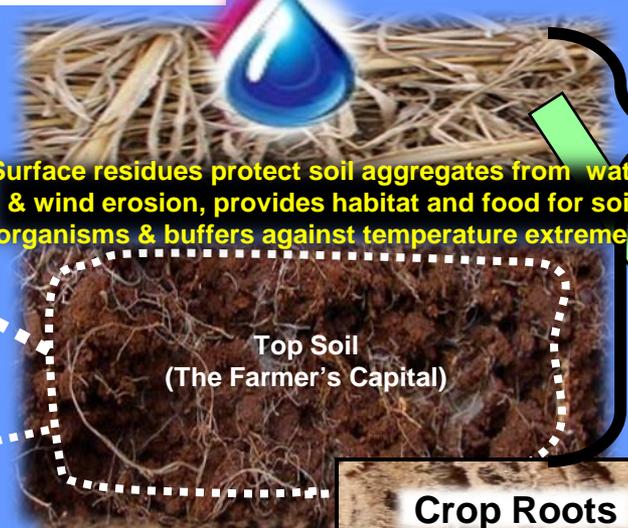




Surface residues protect soil aggregates from water & wind erosion, provides habitat and food for soil organisms & buffers against temperature extremes.

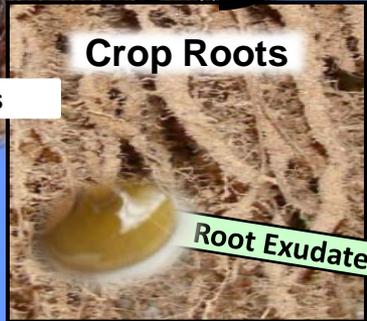
Surface Residues and Top Soil (location of major Soil Food Web biological activity)



Top Soil (The Farmer's Capital)

Well-aggregated soils (sustainable soil health, crop productivity & quality)

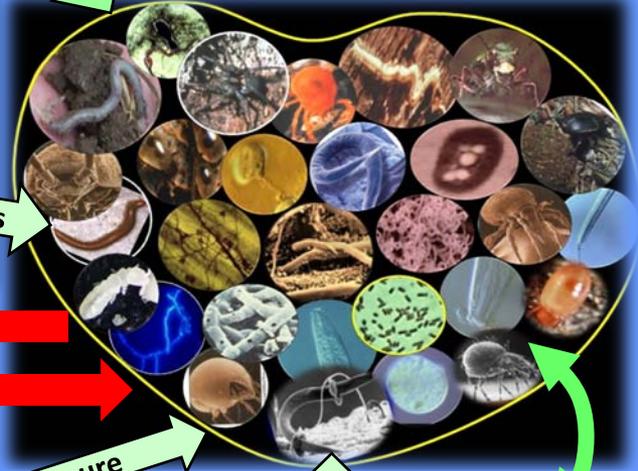
Emphasis on feeding the Soil Food Web to facilitate nutrient cycling and soil structure development.



Crop Roots

Fine root hairs bind soil particles & aggregates

BIODIVERSITY WITH MINIMAL SOIL DISTURBANCE DRIVES SOIL HEALTH.



Root Exudates



Humus formation  
Humus decomposition

Soil Humus forms water-stable aggregates

Fungal hyphae binds soil particles & aggregates

Aggregates held together by glue-like products produced by soil microbes

