

SOIL MATTERS

WITHOUT SOIL, HUMAN LIFE WOULD NOT EXIST

SOIL FILTERS AND CLEANS
OUR WATER AND ABSORBS
RAINWATER, PREVENTING
FLOODING

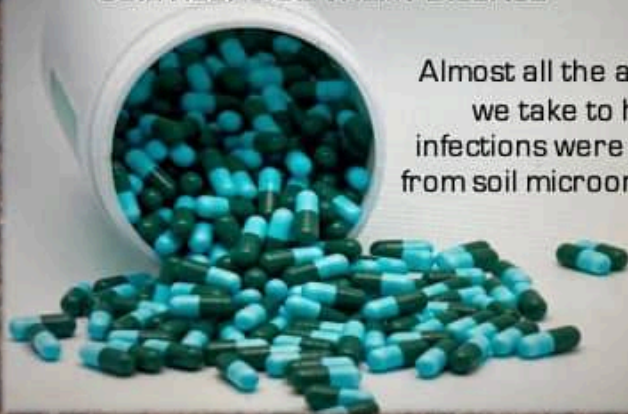


SOIL CONTAINS IMMENSE AMOUNTS OF
BIODIVERSITY, FROM MICROBIAL LIFE TO DIVERSE
INSECT AND ARTHROPOD LIFE



There are more living individual organisms in a
tablespoon of soil than there are people on earth!

SOIL HELPS US TREAT DISEASE



Almost all the antibiotics
we take to help fight
infections were obtained
from soil microorganisms

SOIL PROVIDES A PLACE FOR PLANTS TO
ANCHOR THEIR ROOTS. IT STORES THE
NECESSARY NUTRIENTS, WATER AND
OXYGEN FOR PLANTS TO GROW



Agriculture is an essential industry,
and that soil is a **NON-RENEWABLE
RESOURCE!**

SOIL PRESENTS A RECORD OF PAST
ENVIRONMENTAL CONDITIONS

Archaeologists have determined
that the rise and fall of many ancient
civilizations, such as the Mayans of
Central America, is due to the
use/misuse of their soils.



SOIL STORES MASSIVE AMOUNTS OF ORGANIC
CARBON THAT HELPS MITIGATE CLIMATE CHANGE



Our wetlands, including marshes,
peat bogs, swamps, river deltas,
mangroves, tundra, lagoons and
river floodplains currently store
up to 20 percent (850 BILLION
TONS) of the Earth's carbon – an amount
of CO₂ comparable to the content of today's
atmosphere!

RESOURCES

<https://www.soils.org/files/science-policy/sss-marketing-2013.pdf>

<https://www.isric.org/discover/about-soils/why-are-soils-important>

<https://extension.umaine.edu/gardening/manual/soils/soil-and-plant-nutrition/>