

# [***World: World Soil Day: Soil health, a critical climate change mitigator***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:69TB-B8R1-JB5P-J36Y-00000-00&context=1516831)

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**Body**

Often regarded as mere dirt on the Earth's surface, ***soil*** is, in fact, a complex a complex symbiotic system comprising organic matter, minerals, gases, liquids, and living organisms.

At the COP28 climate summit, discussions and campaigns are underway on ***soil health***-a seemingly abundant resource on Earth that demands attention. Despite its apparent simplicity, ***soil*** plays a crucial role in sustaining life.

Often regarded as mere dirt on the Earth's surface, ***soil*** is, in fact, a complex a complex symbiotic system comprising organic matter, minerals, gases, liquids, and living organisms. This intricate web of components supports all forms of life, from animals to humans. Organic content, such as humus and living organisms, transforms ***soil*** into a vibrant and essential component of our ecosystem.

***Soil*** is the foundation for life, providing the basis for food production, water purification, flood protection, drought resistance, and essential mineral provision. Moreover, ***soil*** is a key player in climate change mitigation, capturing and storing substantial amounts of carbon. Without healthy ***soil***, the very foundation of food security-the fundamental necessity for survival-is jeopardized.

Scientific studies indicate that we have a limited supply of ***soil*** for only 80 to 100 more crops-roughly 45 to 60 years at most. In the next 30 years, a significant food crisis is anticipated, coinciding with a global population exceeding 9 billion.

Commemorated annually on December 5, World ***Soil*** Day 2023 focuses on the theme '***Soil*** and Water, a Source of Life.' The United Nations emphasizes the critical interdependence of ***soil*** and water, as as these resources contribute to over 95% of our food supply. ***Soil*** water, essential for nutrient absorption by plants, forms the backbone of our agricultural systems.

The primary objective of World ***Soil*** Day is to underscore the importance of maintaining healthy ***soil*** and adopting sustainable ***soil*** resource management. It serves as a call to action, raising awareness about ***soil health*** and urging governments worldwide to formulate policies addressing ***soil***-related challenges.

Healthy ***soil*** emerges as a key solution in the battle against climate change. Alarming rates of ***soil*** degradation, driven by factors like agriculture and deforestation, threaten our topsoil globally. Currently, 52% of agricultural land is already degraded. If this trend persists, life as we know it may be at risk.

India, recognizing the critical role of ***soil health*** in combating climate change, has consistently prioritized this issue. Initiatives such as promoting organic farming and the implementation of the ***soil health*** card showcase the government's commitment to benefiting farmers while managing ***soil health*** and resources. Prime Minister Narendra Modi has actively advocated for organic farming and sustainable agriculture. The Indian government's focus on chemical-free ***soil***, preservation of ***soil*** organic matter, maintaining ***soil*** moisture, mitigating damage from declining groundwater levels, and controlling ***soil*** erosion shows its dedication to addressing ***soil***-related challenges for a sustainable future.

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