

A Need of Healthy Soil for Sustainable Life

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Soil is one of nature's most composite ecosystems and one of the most diverse habitats on globe

Soil is considered to be as living body because it's teeming with billions of microbes. It contains a myriad of different macro and micro organisms, which interact and contribute to the global cycles that make all life feasible. In fact, nowhere in natural world are species so compactly packed as in soil communities: over 1000 species of invertebrates may be found in a single m² of forest soils. As the world population is increased up to 7.7 billion which is increasing day by day. The researcher and global thinkers are also worried about increasing population. The increasing population needs development of healthy resources which can full fill the basic requirement of human being. A healthy soil has capacity to fulfill all basic requirements living organism. Soil health might be referred as capacity of soil to function as a vital living ecosystem that sustains plants, animals, and humans. The literary meaning of healthy soil is it has capacity to managing health of living ecosystem so they could be sustainable for future generations. Soils contain living organisms and have capacity to sustain life by food, shelter, and water, it also performs functions which are required to produce food and fiber. Only "living" things can have health, so viewing soil as a living ecosystem reflects a primary shift in the way we care for our nation's soils. Soil can't never be considered as an inert growing medium, but rather is teeming with billions of bacteria, fungi, and other microbes that are the foundation of an elegant symbiotic ecosystem. Soil is a bionetwork that can be managed to provide nutrients for plant growth absorb and hold rainy water for use during dryer periods, filter and buffer latent pollutants from leaving our fields, provide as a firm foundation for agricultural activities, and provide habitat for soil microbes to flourish and diversify to keep the ecosystem running smoothly. Healthy soil gives us clean air and water along with filtering and buffering potential pollutants from soil. A healthy soil is capable to improve nutrient capacity and soil physical structure as well as nutrient mineralization. The healthy soil cause was also initiated in 2015 by FAO UN (Food and Agriculture Organization of the United Nations) in the theme of International Year of Soils 2015 with the

concept of "Healthy Soil for A Healthy Life". The soil health could be possible solution to mitigate all measure threats or challenge that we are facing. So for making the sustainable life we need a health soil today as well as tomorrow in future for betterment of our upcoming future generation.

Figure

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