Composting Enhances Soil and Protects Watersheds

Healthy soils are essential for protecting watersheds. Compost is the best way to add organic matter—which is vital—to soils.

When added to soil, compost can filter out urban stormwater pollutants by an astounding 60-95%



IT'S ALL ABOUT THE SOIL

COMPOST improves biological, chemical, and physical characteristics of soil.

Protects against soil desertification and soil erosion

Increases resilience to floods and droughts

Reduces need for chemicals

Converts nitrogen into a more stable and less mobile form and phosphorous into a less soluble form

Increases soil fertility

Increases microbial activity

Enhances plant disease

suppression

Improves water retention

Improves soil structure

Improves ability to store nutrients (such as cation exchange capacity)

Adds humus, keeping soil particles stuck together Compost serves as a filter and sponge. It immobilizes and degrades pollutants, improving water quality.

Compost helps reduce stormwater runoff because it can hold

~5x its weight

in water.

SOURCES:

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United States Composting Council (USCC), "Specify and Use COMPOST for LEED & Sustainable Sites Projects: A Natural Connection"

"Soil Health Key Points," Natural Resources Conservation Service, USDA, February 2013.

"Increasing Soil Organic Matter with Compost," *Compost: The Sustainable Solution*, US Composting Council, July 2014. "Strive for 5%," US Composting Council's campaign to promote 5% organic matter in soils, US Composting Council.

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To learn more, visit: ilsr.org/compost-impacts