

COMPOSTING

Let's look at a simple definition of "composting" together!

Composting is the biochemical decomposition of organic matter in waste by microorganisms, most of which are invisible to the eye, using the oxygen of the environment. Compost, also called black gold or natural fertiliser, is obtained by digesting or grinding animal and vegetable waste. Compost does not directly replace fertiliser. However, since the compost contains nutrients that add fertility to the soil, it makes a great contribution to maintaining the structural order and pH balance of the soil.

Composting actually provides us with an environmental benefit in many areas of our daily lives. Wouldn't you like to learn how this happens?

Composting:



The natural process by which organic matter decomposes to a nutrient-rich soil.

Greenhouse Gas Reduction:



Composting food scraps results in a greenhouse gas reduction of as much as 70% compared with land filling.

Soil Benefits:



Compost improves soil structure, water retention, and can increase crop yields as much as 20%.

Composition of Waste:



Food scraps comprise approximately 22% of municipal solid waste discarded to landfills.

Biodiversity:



Compost-enriched soil nurtures a balanced ecosystem with beneficial insects, worms, and microorganisms.

Sources: compostnetwork.info,
shapiroe.com, epa.gov

A Cost Savings:



Composting reduces the cost of waste disposal while producing free, natural fertilizer.

Time Frame:



Compost, under ideal conditions, can be ready in as little as 2-3 months. Compostable materials are food and vegetable scraps, coffee grounds, eggshells, yard trimmings, and paper products.

Global Practice:



Composting is practiced worldwide, with some countries like Germany composting over 60% of their organic waste.

Historical Fact



Composting has been in use for many centuries, even tracing back to the ancient Scottish and Roman civilizations. Energy Economy: Compost application in agriculture saves up to 30% of water use due to its better preservation of soil moisture.



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