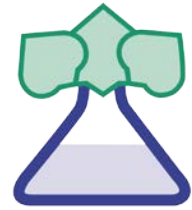


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"Analysis You Can Grow With"®



Compost Maturity Testing

What is Compost Maturity?

Compost Maturity has been defined by the U.S. Composting Council as "The degree or level of completeness of composting." This means that the biological activity has slowed and remaining material typically won't break down further.

How is Compost Maturity Determined?

Composting is essentially the microbial process of stabilizing carbon and nitrogen of an organic material. In the degradation of organic wastes, carbon dioxide and ammonia are created. By measuring CO₂ and NH₃ concentrations in compost, the stage at which the compost has reached can be determined. This is referred to as the Compost Maturity Index.

Why is Compost Maturity Important?

When compost is immature, it can cause nitrogen deficiency due to immobilization in the soil, contain compounds that inhibit plant growth, and may contain viable weed seeds and pathogens.

Regulatory Considerations

Many States require commercial compost producers to test their product for Compost Maturity.

Testing Methodology

Unlike some other methods that can take days to complete, the Solvita Compost Maturity Test can be completed at the lab in a matter of hours.

Method Reference

2002 TMECC 05.08-E Stability and Maturity Test - Solvita™

Cost of Analysis

\$35.00/Sample