



TreeLife Urban™: Why It Works

Nature-Based Innovation for Urban Soil Health

TreeLife Urban™ is a fermented organic fertiliser created through the aerobic breakdown of local organic materials by beneficial native micro-organisms (bacteria, fungi, actinomycetes, yeast). This process unlocks nutrient-rich soil amendments that dramatically improve soil health and plant vitality.

8 Reasons why you should invest in the best TreeLife Urban™—Key Benefits

1. Organic Substrate with no Toxins

Balanced humidity and oxygenation eliminate undesirable byproducts and keep TreeLife Urban™ clean, safe, and easy to use.

2. Flexible and Scalable

Perfect for community green-spaces, urban plantings, or any soil type or climate—TreeLife Urban™ adapts to your needs.

3. Natural Disease Control

Our microbes boost healthy soil ecosystems, suppressing harmful pathogens naturally and supporting plant resilience without chemicals.

4. Fast Results & Reliable Performance

Enjoy quick, soil-ready nutrients with no need for expensive return operations for failed transplants.

5. Powered by Nature—Crafted Locally

Sourced from locally available organic materials, TreeLife Urban™ cuts environmental impact and supports your region's sustainability.

6. Customisable & Evolving

Tailored recipes and flexible formulations mean TreeLife Urban™ is innovative, adaptable, and always improving.

7. Stimulates Plant Growth

High in phytohormones and natural plant regulators, our fertiliser supports strong, vital plant development.

8. Promotes Root Health

Fermentation-activated rhizobacteria enhance root growth and nutrient uptake for long-term benefits.

Scientifically Proven: How TreeLife Urban™ is Made

Stage 1: Stabilisation Phase

- High microbial activity—temperatures rise to 70–75°C.
- Easily degradable materials break down first.

- Safety and sanitation assured as pathogens are destroyed.

Stage 2: Maturing Phase

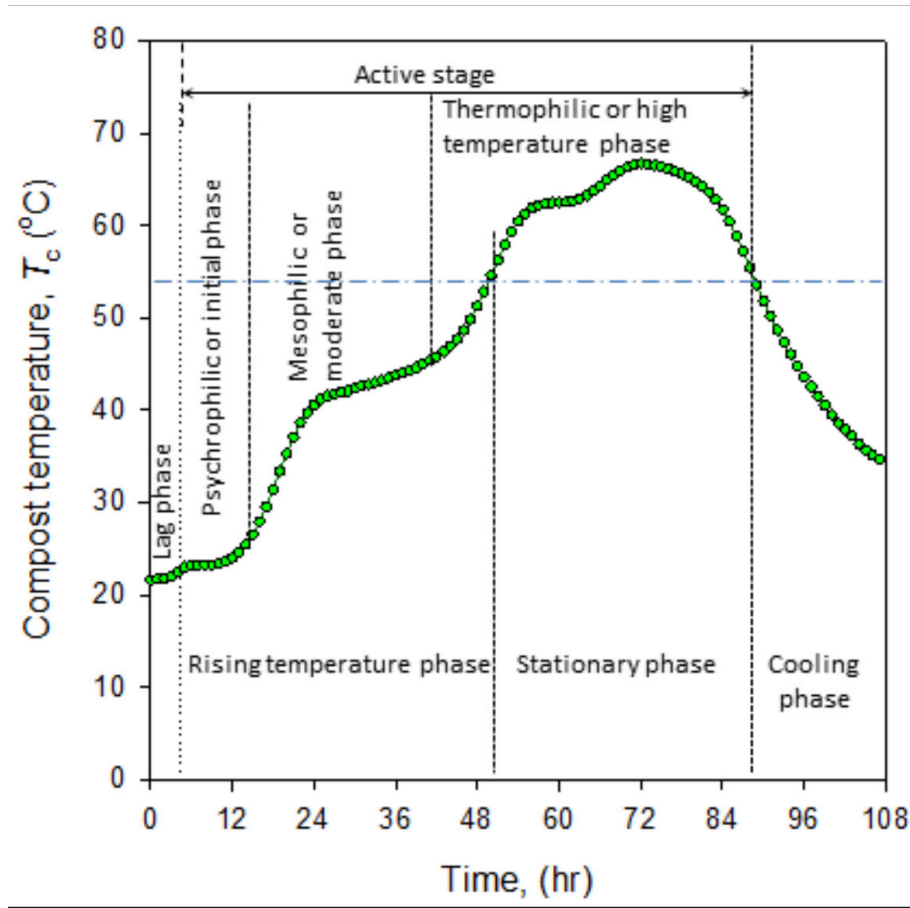
- Slower, deeper decomposition.
- Stable, microbe-rich, and safe final product that's ideal for soil health.

Key Performance Conditions:

- Temperature peaks: 50–60°C (max ~73°C)
- pH: 6.0–7.5 (supports microbial life)
- Humidity: 50–60% (avoids rot or dryness)
- Aeration: Oxygenated for aerobic fermentation
- Particle size: Balanced for microbial access
- C:N ratio: 1:25–35 (balanced decomposition)

Evidence in Action: The Process Visualised

The evolution of temperature and pH through four fermentation phases:



- A. Mesophile: Activation, warm temps, acidic pH
- B. Thermophile: Temperature and pH peak
- C. Cooling: Slowing, approaching neutral pH
- D. Maturing: Stabilized, safe compost for plants

Regenerative Impact

TreeLife Urban™ does more than feed plants, it regenerates ecosystems whilst empowering users to restore soil health themselves.

Why Choose 59 Degrees Soil Architects?

- Urban and community soil solutions crafted with science and care
- BioComplete™ Soils for truly living, resilient landscapes
- Focused on education, sustainability, and customer empowerment

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