

Tool 4.3.1 – Summary – Technology Evaluation Tool

The Technology Evaluation Tool (TET) is a rapid assessment tool to evaluate the suitability of organic waste treatment (composting, anaerobic digestion or black soldier fly technologies).

Description

The Technology Evaluation Tool is a simple tool that checks key technical parameters for each treatment technology and calculates a rough estimate of the expected product quantity, as well as some operational and design parameters. The TET solely focuses on the consideration of technical parameters, such as the carbon-to-nitrogen (C/N) ratio and water content, and does not evaluate other important aspects of technology appropriateness.

In the TET, users can input one or more feedstocks from a pre-established list, including organic waste, sanitation waste or agricultural waste. For the precise list of available feedstocks, consult the tool database directly in the Excel file. For each feedstock, parameters are preset and derived from literature averages. Such a theoretical approximation does not replace expert knowledge. For planning and designing new treatment systems or expanding existing systems, consultation with experts is required. Social, environmental, financial or legal aspects should be evaluated alongside the use of the TET when assessing the suitability of a technology.

For more information about the technologies and the products generated, consult the [Compendium – Treatment and Recycling \(pp. 72-87\)](#). For more information about how to select organic waste treatment technologies, the publication [Selecting Organic Waste Treatment Technologies \(SOWATT\) \(Zabaleta et al., 2020\)](#) can be a helpful complementary resource.



Resources

Tool 4.3.2 – Technology Evaluation Tool (TET) – Excel file