



Annual Organic Waste Generation & Circular Treatment Report

Al Taff University College, Iraq



Template for Evidence(s) UI GreenMetric Questionnaire

University : Al Taff University College

Country : Iraq

Web Address : <https://altuff.edu.iq>

[3] Waste (WS)

[3.5] Total volume organic waste produced this year

Organic Waste Generation Data

Strategic Note for Institutional Auditors: The dataset below represents the consolidated audited metrics verified by the *Sustainable Campus Infrastructure Committee (SCIC)*. Al Taff University College enforces strict source-segregation for all biodegradable waste streams, achieving a verified zero-landfill diversion rate for campus-generated organic materials.

Specific Organic Waste Stream	Amount Last Year (Tons)	Amount This Year (Tons)	Net Structural Reduction (Tons)	Treated: Directly Reused on Campus (Tons)	Treated: Down-cycled / Composted (Tons)	Total Diversion & Treatment Rate (%)
Total Organic Waste Footprint	184.5	152.5	32.0	44.5	108.0	100%
- Institutional Food Waste	82.5	67.0	15.5	12.0	55.0	100%
- Landscape & Horticultural Waste	78.0	66.5	11.5	26.5	40.0	100%
- Other Biodegradable Residues	24.0	19.0	5.0	6.0	13.0	100%



Executive Summary

Executive Summary: Enforced by the regulatory mandates established in the [Institutional Sustainability Policy Decree ATUC 2026](#), Al Taff University College has successfully transitioned its organic waste processing into a fully operational closed-loop ecosystem. Through comprehensive source-reduction protocols implemented across dining venues and landscaping practices, the college successfully decreased its total organic waste generation from **184.5 tons last year to 152.5 tons this year (a 17.3% net structural reduction)**. Most notably, **100% of the remaining 152.5 tons** generated was completely diverted from municipal landfills and successfully processed via on-campus circular treatment programs.

Operational Methodology

1. Institutional Food Waste Management (67.0 Tons Disposed):

- **Reused (12.0 Tons):** Pre-consumer kitchen preparation scraps are isolated at the source and safely repurposed for local eco-agricultural and sustainable livestock feed partnerships.
- **Down-cycled/Composted (55.0 Tons):** Post-consumer cafeteria leftovers are collected and funneled directly into our on-site *Bio-Composting Facility*, undergoing systematic aerobic decomposition to eliminate potential methane production.

2. Landscape & Horticultural Waste Management (66.5 Tons Disposed):

- **Reused (26.5 Tons):** Fallen leaves, twigs, and chipped organic matter are directly repurposed as protective mulch layers blankets distributed across campus green zones. This significantly boosts soil moisture retention and limits water evaporation.
- **Down-cycled/Composted (40.0 Tons):** Excess garden debris is integrated with nitrogen-rich food scraps in mechanical shredders to maintain an optimal Carbon-to-Nitrogen (C:N) ratio for high-yield soil fertilizer production.

Environmental and Institutional Impact:

By down-cycling **108.0 tons** of municipal organic material into premium organic fertilizer annually, Al Taff University College has completely phased out the purchase and use of synthetic chemical fertilizers across all campus landscapes. This active recycling loop eliminates reliance on external disposal sites, neutralizes potential greenhouse gas generation, and stands as a flagship model for university-level circular economies in the region.

3. Institutional Policy Verification & Additional Evidence Portfolio

The data inputs, operational manifests, and laboratory quality controls governing the campus bio-composting infrastructure are fully transparent and cataloged for audit verification.

- **Official Regulatory Framework Document:** Core campus zero-waste operations are governed under the [Institutional Sustainability Policy Decree ATUC 2026](#).