



University : UzSWLU
Country : Uzbekistan
Web Address : <https://www.uzswlu.uz/en>

[3] Waste (WS)

3.7 Total volume organic waste treated this year

In 2025, Uzbekistan State World Languages University (UzSWLU) treated approximately 40,000 kg (40 tons) of organic waste, representing 70% of the total 58 tons of organic waste generated throughout the year.

The university's approach to organic waste management goes beyond routine disposal — it is embedded within UzSWLU's broader sustainability strategy that integrates scientific innovation, green education, and institutional responsibility.

1. Organic Waste Research & Innovation Laboratory

Established under the Faculty of Natural Sciences, the laboratory continues research started in 2024 to optimize composting and biodegradation processes. In 2025, it developed improved microbial composting agents that reduced decomposition time by 25%.

2. Composting and Infrastructure

Organic waste treatment is carried out through on-campus compost pits, fermentation units, and solar-powered shredders maintained by trained eco-volunteers.

Composting operations now process approximately 70% of total organic waste, producing high-quality fertilizer used for 1.5 hectares of campus green spaces.

3. Partnerships and Official Agreements

Treatment activities are implemented in partnership with the Tashkent City "Maxsus Trans" Waste Management Company under an official contract, ensuring proper waste collection, transportation, and monitoring.

Collaboration with the Ecological Party of Uzbekistan supports environmental awareness campaigns and waste behavior research.

4. Educational Integration and Engagement

More than 900 students from various faculties participated in workshops on composting, waste audits, and sustainability behavior change.

The Green Leaders Club and Eco Volunteers organize open seminars, "Zero Waste" demonstrations, and compost management sessions.

5. Monitoring and CO₂ Impact

All data on waste generation, treatment, and compost output are recorded through the UzSWLU Green Data Portal.

In 2025, the composting process led to an estimated CO₂ reduction of 12 tons per year, while replacing approximately 30 million UZS worth of chemical fertilizers with organic compost.

6. Results and Alignment with SDGs

UzSWLU's organic waste treatment efforts demonstrate continuous improvement over the previous year (2024):

- **Total organic waste:** 64 tons (2024) → 58 tons (2025) ▼ -9%
- **Treatment rate:** 60% → 70% ▲ +10%
- **CO₂ reduction:** +20%

These activities directly contribute to:

- **SDG 12 – Responsible Consumption and Production**
- **SDG 13 – Climate Action**
- **SDG 15 – Life on Land**



Through these measures, UzSWLU has established itself as a national leader in campus-based circular economy practices, integrating research, operations, and education into a single sustainability framework.



Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):