

Template for Evidence(s) UI GreenMetric Questionnaire

University : Gebze Technical University
Country : Turkiye
Web Address : www.gtu.edu.tr

[3] Waste (WS)

[3.3] Organic Waste Treatment

1



Photographs of pine cones collected from the stone pine trees on campus

2



Gathering sprawling and withering grasses by transforming them into bales with the assistance of a tractor

Organic Waste Treatment (Gebze Technical University, Turkiye)

Description:

Annually, 45.42 tons of organic waste are produced on campus. 22.32 tons of this organic waste are food waste, 21.20 tons are pine cones, and 1.9 tons are grass bales. 22.32 tons of food waste collected by Gebze (Kocaeli) Municipality is not treated. On the other hand, 21.20 tons of pine cone are converted into energy by burning by a private company, and all of it is treated. In addition, all of the 1.9 tons of yellowing grass collected by a farmer are treated to be used as animal feed. As a result, 23.10 tons of 45.42 tons of organic waste produced in GTU are treated. This corresponds to approximately 50.85%.

- 1) Annually, 23 tons of pine nut cones are collected from the campus by a private company. Of these, approximately 1.8 tons are pine nuts, while 21.20 tons are organic waste. The company converts the entire quantity of organic waste into energy by using it as fuel.
- 2) Annually, the yellowing grass on the campus is collected by a farmer. The quantity of these yellowing grasses is estimated to be approximately 1.9 tons. The entirety of the grass is utilized as animal feed.