

## Template for Evidence(s) UI GreenMetric Questionnaire

University : Alexandria University  
 Country : Egypt  
 Web Address : <https://alexu.edu.eg/index.php/en/>

### [3] Waste (WS)

#### [3.4] Total volume organic waste treated

Type of waste	amuount (ton) per Year (2023-2024)				
	total		reduced		reused
	2023	2024	2023	2024	
organic	229 tons	235	22 tons	23.8 tons	58 tons organic fertilizers 8 tons animals feeding and biochar

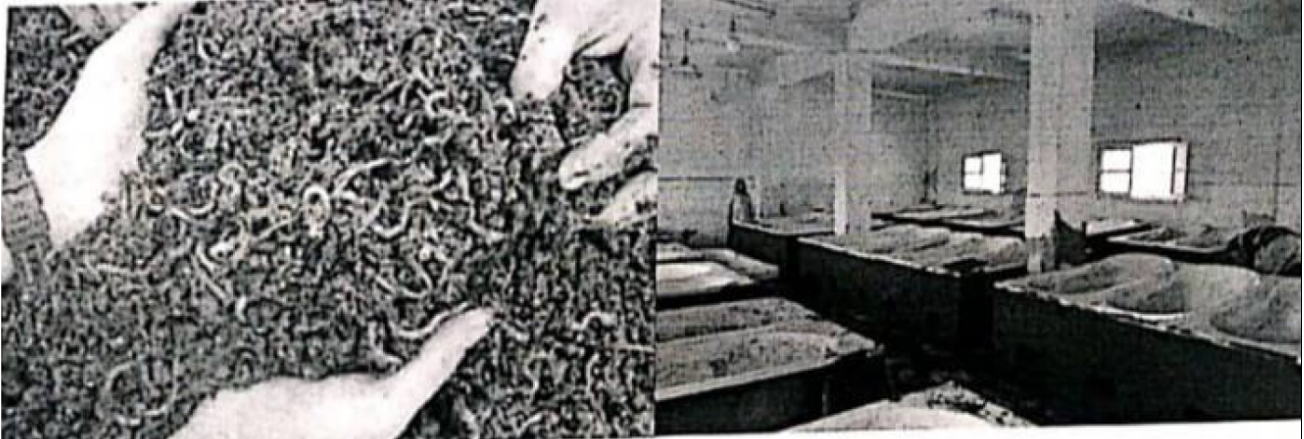


Program for separation of Paper (blue), Plastic (yellow), aluminum cans and glass (green) and organic waste (red) in Campus (Alexandria University, Egypt)





Leaves and organic waste were treated for the vermi-compost to produce organic fertilizers to use in the Campus gardens (Alexandria University).



The Faculty of Agriculture recycles 100% of its organic waste (Alexandria University).



Waste reception hall in Nahdet Misr company for waste collection in Alexandria



Manual sorting hall in Nahdet Misr company for waste collection in Alexandria



Organic matter separation unit in Nahdet Misr company for wastes collection in Alexandria



**Description:**

## **Alexandria University Program for Treatment of Organic Waste**

- Organic waste management includes a set of activities aimed at reducing its negative impact on the environment while extracting its potential value for converting organic waste into nutrient-rich soil. The process involves piling organic waste and allowing it to decompose under controlled conditions. The preparation process takes place within 45 to 60 days through stirring, purification, fumigation and filtration to obtain 58 tons (25%) of organic fertilizer.
- Separation of Paper in blue containers, Plastic in yellow containers, aluminum cans and glass in green containers and organic waste in red containers in Campus (Alexandria University, Egypt).
- The separated organic waste is mainly food waste, manure, green waste arises from landscaping consists of leaves green plants garden trimmings and others, biodegradable plastic and non hazardous wood waste.
- The Faculty of Agriculture recycles 100% of its organic waste.
  - Utilizing treated agricultural waste to feed farm animals.
  - Utilizing agricultural waste treated with vermi-compost in the production of organic fertilizers.
  - Utilizing agricultural waste treated with a special insect (the black soldier) to produce organic fertilizers and protein sources.
  - Producing large quantities of active biochar from agricultural waste to remove any water impurities or pesticide residues.
- The organic waste in Alexandria University is handled according to the contract with Nahdet Misr company. All organic waste is collected in organic waste containers. Then the company collects these waste bags and deliver it to a waste treatment facility for processing.
- In addition, the University students at the Faculty of Science initiated a student project for organic waste recycling. Leaves and organic waste were treated for the vermi-compost to produce organic fertilizers to use in the Campus gardens (Alexandria University).
- Approximately in year 2024, **235 tons of waste per year** were collected at the level of university buildings with Nahdet Misr company and separated into organic waste and inorganic waste. **Organic waste constitutes about 55% of the total waste** collected from the campus where 100% were recycled to produce organic compost.
- Types of fertilizers produced after treating organic waste at Nahdet Misr Company:
  - 14 mm fine organic fertilizer for vegetables.
  - 25 mm organic fertilizer is used as tree fertilizer.
  - 40 mm organic fertilizer is used as fertilizer for new planted areas.
  - All previous types are suitable for desert lands.

**Additional evidence link:**

<https://www.alexu.edu.eg/index.php/en/community-development-and-environmental-affairs/6435-alexandria-university-initiative-to-separate-and-recycle-waste>

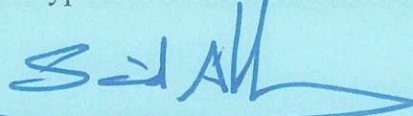


VICE PRESIDENT  
Community Service & Environment Development

## Alexandria University program for disposal of organic waste

1. Organic waste management includes a set of activities aimed at reducing its negative impact on the environment while extracting its potential value for converting organic waste into nutrient-rich soil. The process involves piling organic waste and allowing it to decompose under controlled conditions. The preparation process takes place within 45 to 60 days through stirring, purification, fumigation and filtration to obtain 58 tons (25%) of organic fertilizer.
2. Separation of Paper in blue containers, Plastic in yellow containers, aluminum cans and glass in green containers and organic waste in red containers in Campus (Alexandria University, Egypt).
3. The separated organic waste is mainly food waste, manure, green waste arises from landscaping consists of leaves green plants garden trimmings and others, biodegradable plastic and non hazardous wood waste.
4. The Faculty of Agriculture recycles 100% of its organic waste.
  - Utilizing treated agricultural waste to feed farm animals.
  - Utilizing agricultural waste treated with vermi-compost in the production of organic fertilizers.
  - Utilizing agricultural waste treated with a special insect (the black soldier) to produce organic fertilizers and protein sources.
  - Producing large quantities of active biochar from agricultural waste to remove any water impurities or pesticide residues.
5. The organic waste in Alexandria University is handled according to the contract with Nahdet Misr company. All organic waste is collected in organic waste containers. Then the company collects these waste bags and deliver it to a waste treatment facility for processing.
6. In addition, the University students at the Faculty of Science initiated a student project for organic waste recycling. Leaves and organic waste were treated for the vermi-compost to produce organic fertilizers to use in the Campus gardens (Alexandria University).
7. Approximately in year 2024, **235 tons of waste per year** were collected at the level of university buildings with Nahdet Misr company and separated into organic waste and inorganic waste. **Organic waste constitutes about 55% of the total waste** collected from the campus where 100% were recycled to produce organic compost.
8. Types of fertilizers produced after treating organic waste at Nahdet Misr Company:
  - 14 mm fine organic fertilizer for vegetables.
  - 25 mm organic fertilizer is used as tree fertilizer.
  - 40 mm organic fertilizer is used as fertilizer for new planted areas.
  - All previous types are suitable for desert lands.

Sincerely,



**Prof. Said Mohamed Allam**  
**Vice PRESIDENT**  
**Community Service & Environment Development**  
**Alexandria University**