



Irbid Composting Facility

The Facility Manager

Eng. Hazem Abu Mukh

Coordinate • Collaborate • Co-create



Supported by



Co-Funded by the European Union



Implemented by



NEXUS



Historical Background

The German-Jordanian Cooperation

- The rationale behind establishment of the facility is to implement the cash-for-work mechanism to support the WtpE project target beneficiaries; the Syrian refugees and the Jordanian vulnerable in hosting community, while enhancing waste management in partners municipalities.
- The facility serves as a tool to demonstrate an economically and environmentally sound management of organic waste in Jordan.
- Precious organic waste materials are collected, sorted, and processed into marketable high-quality compost. In so doing, this opens avenue for jobs opportunities and reduces mounting pressure on landfill

An Overview of Irbid Composting Facility



- Established on a total area of 10 dunums.
- Equipped well with necessary basic infrastructure and machinery
- Design capacity of approximately 15 metric ton a day
- Operated in March 2019
- Right now, only one-third of this capacity is fulfilled (5 metric ton a day)

Feedstock (Exclusively Botanical Waste)



1. Locally generated waste



Feedstock (Exclusively Botanical Waste)



2. Spoiled commodities from border crossings





Infrastructure

1. Hangars and offices



2. Composting operation platform





Key Composting Machines Shredding Machine





Key Composting Machines

Wheel Loader





Key Composting Machines

Turning Machine





Key Composting Machines

Screening Machine



Final Product (Compost)





مديرية المختبرات
مختبر تحليل الاسمدة
شهادة تحليل

C.O.A No.: F20/12/12

Date of certificate: 14/12/2020

صاحب العينات: بلدية اربد الكبرى

تاريخ الاستدعاء: ٢٠٢٠/١٢/٢

عدد العينات: عينة كمبوست

تاريخ البدء بتحليل العينات: ٢٠٢٠/١٢/٦

القائم بالتحليل: الهام بورمان / م. هبه الشويكي / م. ديماء الزعبي

الرقم المخبري: ٢٠٢٠/٧٦٨

رقم التشغيل: F/20/ 324

اسم العينة:

No.	Test Name	Result	Unit	Test Method No.
1.	pH	9.0		AOAC 973.04, Dry basis
2.	EC	3.9	dS/m	AOAC 973.04, Dry basis
3.	Ash	22.4	wt/wt %	AOAC 967.04, Dry basis
4.	Moisture	32.8	wt/wt %	AOAC 967.03, wet basis
5.	Organic Matter	77.6	wt/wt %	AOAC 967.05, Dry basis
6.	N	2.2	wt/wt %	AOAC 955.04,970.02,978.02,Dry basis
7.	P	0.4	wt/wt %	AOAC 957.02,958.01,977.01,Dry basis
8.	K	2.9	wt/wt %	AOAC 983.02, Dry basis
9.	C/N	20:1		
10.	Foreign particles (glass,plastic...)	0.03	wt/wt %	Gravimetric , wet basis
11.	Ni	7.9	ppm	AOAC 965.09, Dry basis
12.	Cd	<0.0012	ppm	AOAC 965.09, Dry basis
13.	Pb	3.4	ppm	AOAC 965.09, Dry basis

حظة: النتيجة لا تمثل إلا العينة المستلمة

مدير مديرية المختبرات
د. البيل بني هاني

مدير مديرية المختبرات

Quality of Compost

Higher than the required Jordanian Standard



Vision of Irbid Municipality

1. Moving forward with the facility from pilot level to commercial level especially that the compost produced has been tested and tried through NARC.
2. Partnership with Private Sector for sustainable operation of the composting facility.



Contact Details

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