

What is compost?

Compost is a product of agricultural material resulting from the process of proper fermentation of organic waste. **Rich in organic elements**, it plays a major role in maintaining **soil regulation and fertility**.

Compost is rich in plant nutrients and beneficial organisms, such as worms and fungal mycelium. Compost improves soil fertility in gardens, landscaping, horticulture, urban agriculture and organic farming.



Compost Cycle



Procompo Compost and Cat/Dog Food Machines

ProCompo Compost Machine Pro Series transforms all organic wastes into compost by eliminating 70% **within 24 hours**.

Procompo Compost Machine converts waste into compost in a very short time by its special fermentation tecniqe. **This fermentation tecniqe provides beneficial bacteria to survive from high temperatures.**

Temperatures of 75°C and above eliminate the chances of survival of harmful bacteria, viruses, fungi and spores. In this way, **the compost formed is completely free of harmful ingredients and is suitable for use in the soil.**



Procompo Compost Machines

The design of the Procompo composting machine is entirely **inspired by compost cycle in the nature**. Therefore, it does not contain any processes that are not found in nature.

Decomposition and fermentation processes that **take months** in the soil have been analyzed by our expert biologists and environmental engineers in the field.

The bacterial groups that play a key role in these operations have been determined.

The amount of heat required and other connected variables are kept at the desired values by creating a controlled environment inside the machine.

When all the parameters are adjusted, the waste is quickly transformed into compost through natural fermentation.

Operational Principle



1. Waste Collection

The separated organic waste is collected and the compost machine is ready for use.



2. Composting Tank

The disintegrated waste is heated up to 95° C with the help of reactors in the composting tank. The composting stage takes place for 18-20 hours.



3. The Organic Compost

After 24 hours, the waste is eliminated and transformed into organic compost. The compost is ready to be used immediately in the soil (no waiting stage).

What type of waste can be *Cat/Dog Food*



Vegetable peelings and waste



Fruit peelings and waste



Cooked food scraps



Raw food scraps



Aqueous and organic liquid waste



Bones / Fish bones



Grass clippings and green garden waste



Coffee grounds



Oily waste



Should not be composted?



Mussels, lobster, crab shells



Tissues



Sawdust/chip board waste

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Should not be composted?



Glass waste



Metal waste



Plastic waste



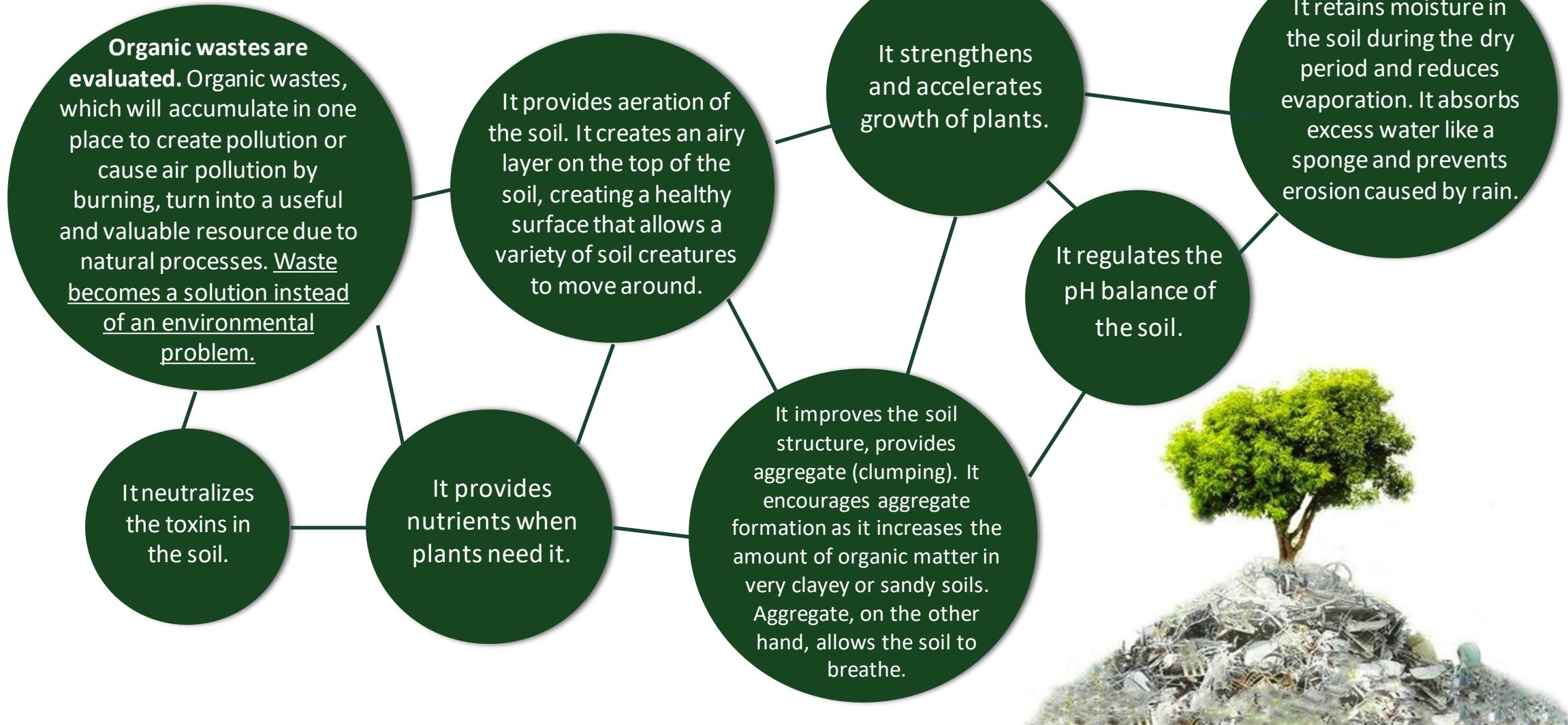
Chemical waste



Medical waste

Advantages of composting

Environmental benefits of composting



Advantages of composting

Economic benefits of using a compost machine



Composting without the use of machinery is not suitable for businesses. The compost is formed naturally in 2-3 months, this process should be repeated for new wastes every day and there should be a very large composting area.



The expenses paid for the transportation or disposal of the separated waste are greatly reduced with a ProCompo Compost Machine. Businesses dispose their separated waste at a rate of 60-70%.



By using ProCompo Compost Machine, it is possible to meet the daily organic fertilizer needs to a large extent. The compost obtained can be easily used in all landscape products, fruits, vegetables and plants. It is verified by Istanbul Agac A.S. Laboratories.



Businesses with a ProCompo Compost Machine can obtain a Zero Waste Certificate as part of the Zero Waste Project, as they largely dispose of their waste and contribute to the recycling of biodegradable waste.

How HOW DOES IT WORK?



**ZERO
WASTE**



WASTE COLLECTION

The separated organic wastes are collected. Compost and Food Machine is ready to use.

SHREDDER RECEPTACLE

The wastes are turned into smaller pieces in the shredder chamber of the machine, made suitable for processing.

FERMENTATION

Shredded waste is ready for fermentation. Reactors start the fermentation process. Fermentation takes about 24 hours and as a result compost/animal food is obtained.

100% ORGANIC PRODUCT

Organic wastes are turned to organic compost or animal food by the end of 24 hours. The compost/food is ready to be used immediately (There is no waiting stage).

01

02

03

04

MACHINE TECHNICAL SPECIFICATIONS

				
Machine Type :	PRO - MKS 50	PRO - K 100	PRO - MK 250	PRO - K 500
Waste Capacity (daily):	50 lt	100 lt	250 lt	500 lt
Electric Type :	380 V (3 Faz)	380 V (3 Faz)	380 V (3 Faz)	380 V (3 Faz)
Electricity Consumption :	3 kWh	4 kWh	5,2 kWh	10 kWh
Control Panel :	Manual / PLC	Manual / PLC	Automatic / PLC / HMI	Manual / PLC
Dimensions:	Most: 640mm	Most: 900mm	Most: 1200mm	Most: 1800mm
	Size: 830mm	Size: 1350mm	Size: 2500mm	Size: 3500mm
	Height: 850mm	Height: 1200 mm	Height: 1500 mm	Height: 1700 mm

Where Procompo compost machines can be used in?



MALLS,
COMMERCIAL
COMPANIES, PLAZAS,
BUSINESS CENTERS



HOUSES,
HOUSING UNITS
AND SITES



TOURISM FACILITIES
(HOTELS AND
RESTAURANTS)



ORGANIZED
INDUSTRIAL ZONES
AND FACTORIES

Where Procompo compost machines can be used in?



HOSPITALS AND
HEALTH
INSTITUTIONS



PUBLIC
INSTITUTIONS AND
MUNICIPALITIES



SCHOOLS,
EDUCATION
INSTITUTIONS AND
DORMITORIES



AIRPORTS, TRAIN,
BUS AND FERRY
TERMINALS