



Nutrient Management and Nutrient Recovery Thematic Network

Compost soil improver -
product ID 1664, digestate
pellet ID1665

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Compost soil improver – ID 1664

- Kompo Master 1
- Kompo Master 2



MASTER - ODPADY I ENERGIA Sp. z o.o.
Web: www.master.tychy.pl/index.pl.html



> 9000 tons of biomass annually

Technology

- ✓ The production process is based on the use of composting tunnels and maturation boxes.
- ✓ Basic substrate is grass or leaves, depending on a season.
- ✓ Tunnel composting is a fully controlled process. The control is based on the temperatures and the oxygen content in the exhaust air.
- ✓ Selectively collected biodegradable material is transported by a wheel loader to one of the 6 intensive composting tunnels. Each of the tunnels measures 25 m x 6 m and is equipped with an openwork concrete floor.

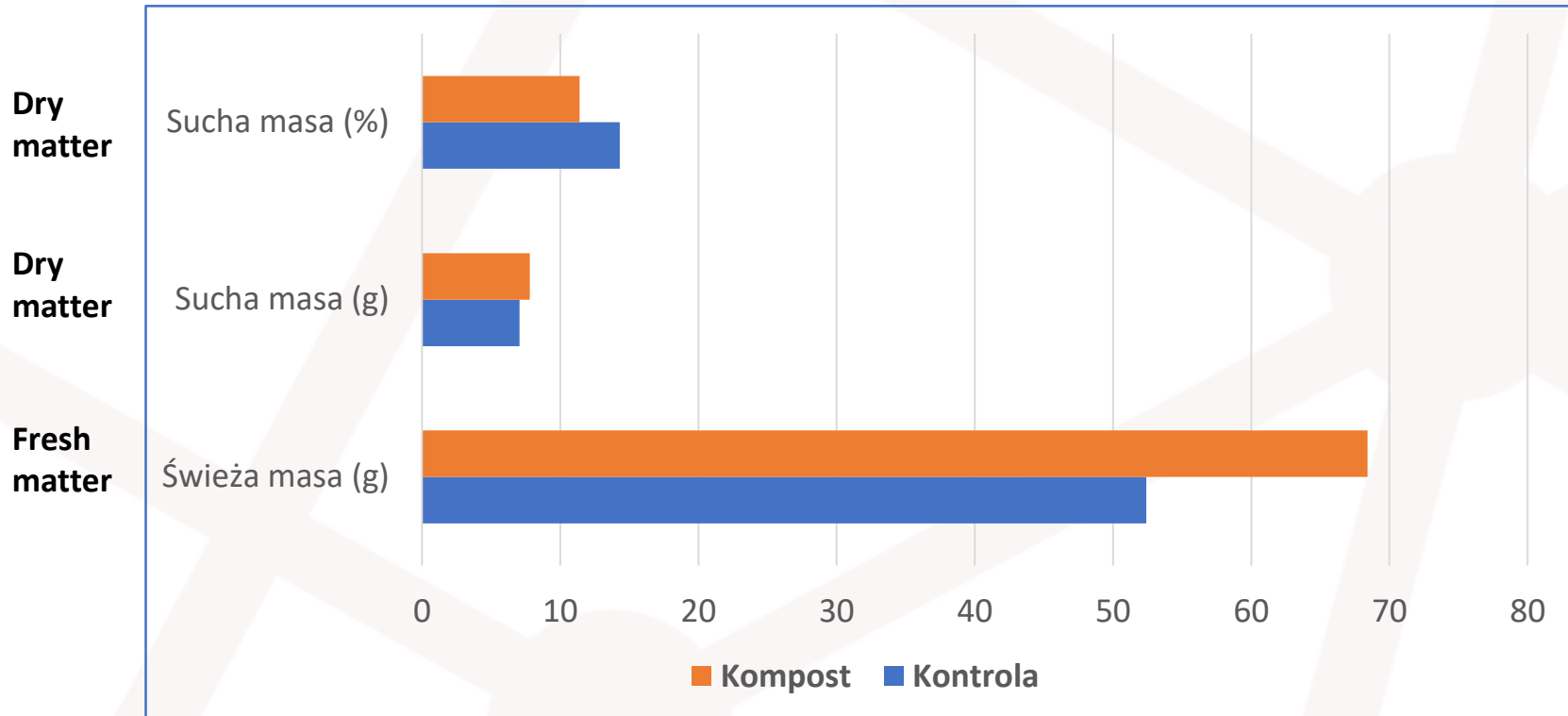
Kompo Master products

Content N-P-K (%): 1.5-0.6-1.5.
OM 31%.

Field crops:

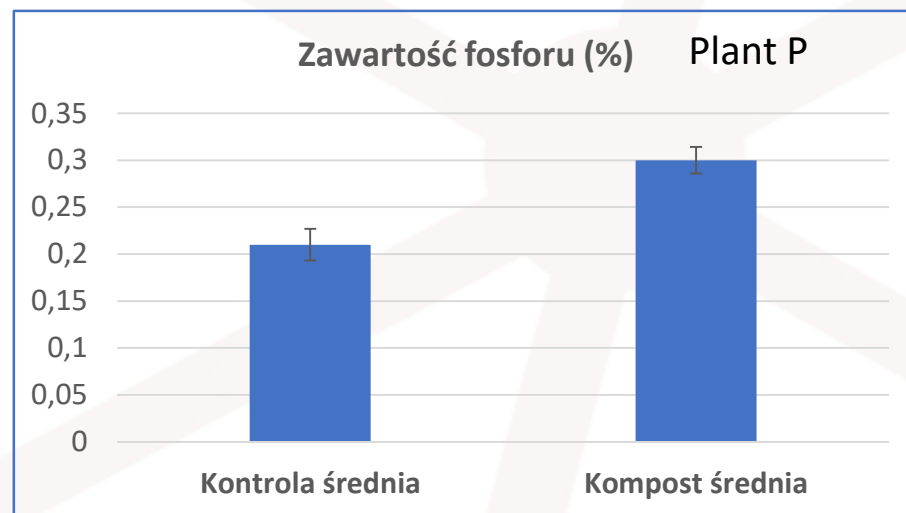
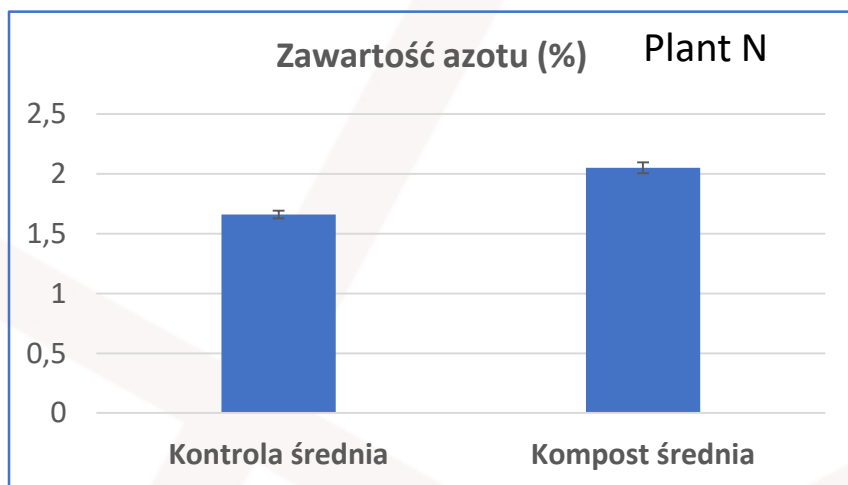
- ✓ "Kompo Master" should be used before sowing, in the autumn or spring periods before plowing or seedbed preparation.
- ✓ Compost should be evenly distributed over the field surface using a fertilizer spreader and mixed with the soil using cultivation tools.
- ✓ The recommended annual dose of the soil improver is 15 Mg / ha.

Demonstration greenhouse study



Yield of Italian ryegrass

Demonstration study



Compost effect for N and P in plants

Demonstration study



Soil with compost (left) and control soil -
conditions below optimum soil moisture

Particularly pronounced effect in soil with reduced irrigation:
cumulative effect of improving the availability of water and nutrients / humic substances

Planteo pellet based on digestate – Nutriman ID 1665

- The form of pellets ensures slow release of nutrients, which significantly extends the effect of the fertilizer. As a result, plants receive appropriate doses of nutrients evenly distributed over time.



Planteo – characteristics and application

- ✓ PLANTEO pellet is an organic fertilizer for use in agriculture and horticulture: ecological, low-input and conventional
- ✓ The fertilizer is an environmentally safe, innovative with many applications including open fields, gardens, greenhouses, lawns and home applications.
- ✓ It is 100% based on plant material and fermented in a modern agricultural biogas plant in Kożanówka.
- ✓ Due to its plant origin, it does not contain hormones and antibiotics.
- ✓ High organic matter content > 80%. The fertilizer improves the SOC content and soil structure.
- ✓ Nutrients are slowly released from the granules.
- ✓ PLANTEO contains a natural microbiome, including endophytic bacteria naturally derived from the digestate, producing beneficial phytohormones.
- ✓ Most recommended: vegetable, fruits, flowers, lawn
- ✓ Dose: 1 kg/m²



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www.nutriman.net



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