Nutrient Management and Nutrient Recovery Thematic Network

Compost soil improver - product ID 1664

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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 proces 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 mx 6 m and is equipped with an openwork concrete floor.

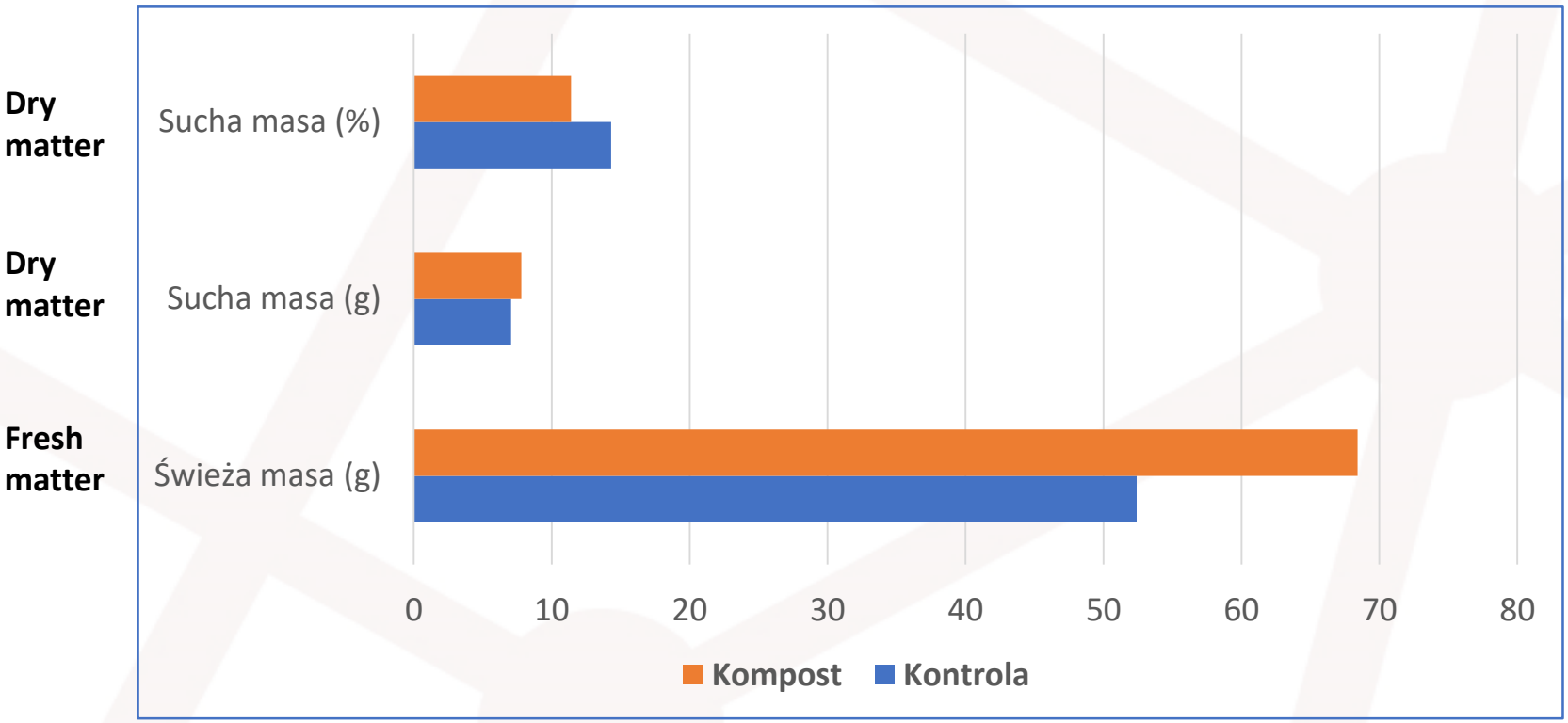
Kompo Master products

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

Field crops:

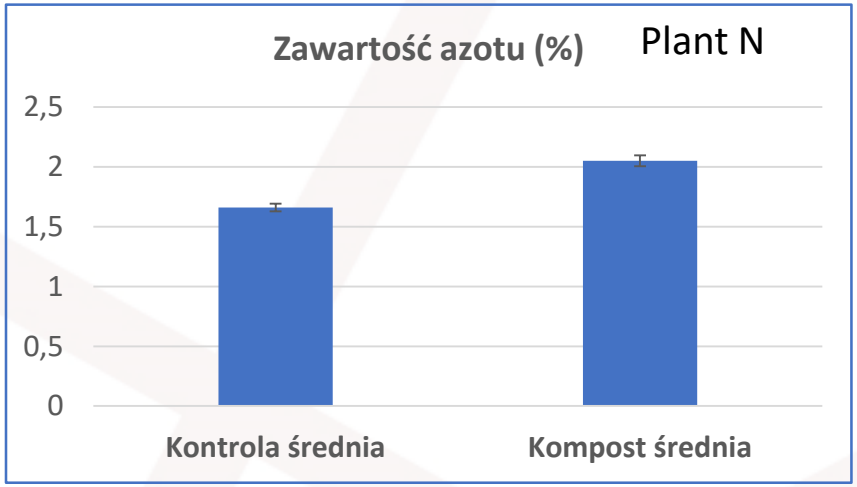
- ✓ **"Kompo Master" should be used before sowing, in the autumn or spring periods before plowing or seedbed preparation.**
- ✓ **Compost should be evenly distributed over the field surface using a fertilizer spreader and mixed with the soil using cultivation tools.**
- ✓ **The recommended annual dose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

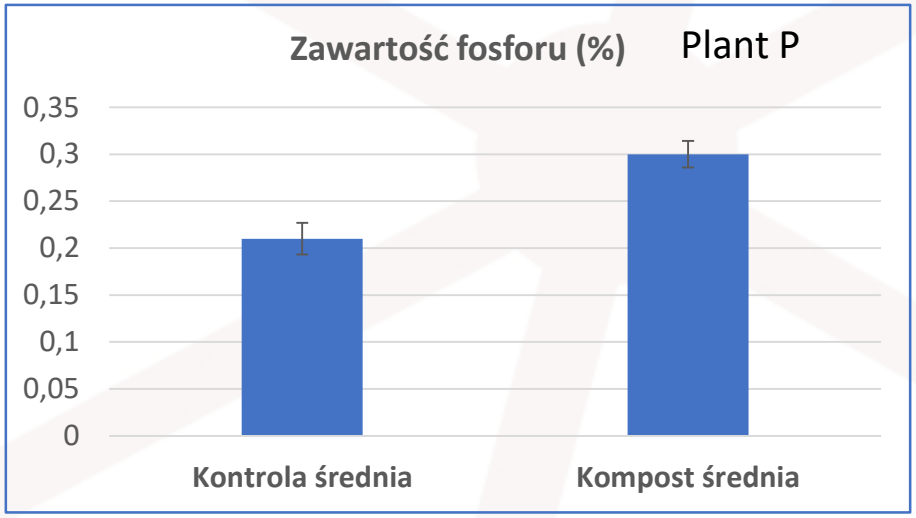
Demonstration greenhouse study



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

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