

TRAINING MATERIAL

Title:

Pellet organic fertilizer based on plant biomass digestate

Training:

What is the product?

PLANTEO pellet is a solid fertiliser aimed at organic, low input and conventional agronomic and horticulture applications. It is an environmentally safe fertilizer with multiple applications, including open fields, gardens, greenhouses, lawns and home applications. It is 100% based on plant feedstock and digested in a modern agricultural biogas plant in Kożanówka, PL. Due to plant origin, it is free of. It contains >80% organic matter and is free of hormones, antibiotics and pathogens. PLANTEO contains a natural microbiome, including endophytic bacteria (*Bacillus subtilis* and *Pseudomonas fluorescens*) naturally originating from the digestate, producing beneficial phytohormones.

Who is the vendor of the product?

Zielone Suszarnie Ltd (www.zielonesuszarnie.pl) is a production and service company founded in 2011. They are a dynamically developing producer of natural organic fertilizers. The company has drying lines powered by 100% renewable energy. The production of organic fertilizers under the Planteo brand is based on close cooperation with scientific research units. The company is a member of the Polish Ecology Association.

Which other product/technologies are provided by the vendor?

The company offers also liquid fertilisers for organic agriculture based on plant biomass digestate.

Which are the advantages of the products and the problems addressed?

PLANTEO pellet is fully produced from plant biomass and using renewable energy for the production process. The fertilizer acts comprehensively and effectively due to macro and microelements and natural microbiome that stimulates plant growth. The fertilizer contains over 80% of organic substances of plant origin, improving soil quality and structure. Nutrients are released slowly therefore it is safe for the environment. Planteo does not contain hormones, antibiotics and it is produced without addition of chemicals.

The fertiliser improves SOC content and soil structure, therefore it is recommended for soils with low SOC content and for crops and soils susceptible to drought events. It increases water holding capacity of soils. PLANTEO can strongly support organic agriculture.

Which is the nutrient content of the product?

PLANTEO pellet has the following content of basic nutrients: 1.5% N - 0.2% P - 0.6% K. OM content 88%.

Which equipment and methods can be used to apply the product?

The fertiliser has a pellet form, therefore it can be applied using standard machinery. For small scale application can be applied manually.

How to use the product?

Storage in dry and covered place, protected from direct sunlight, in the original packaging. The recommended application dose is 1 kg/m². Effective in organic, low input, conventional agriculture and horticulture. Most recommended for fresh vegetables, fruits, flowers, lawns. It is recommended to be applied into soil before sowing or planting and mixed with topsoil. Needs some time to react with soil.

Which are the authority permits and in which EU countries?

MS market permit 594/19, MS permit for organic agriculture NE/506/2019.

How much does it cost?

8 EUR/5kg for retail customer.



For more information: https://nutriman.net/farmer-platform/product/id_1665