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# PRODUCT TECHNICAL DATA SHEET

## PRODUCER:

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Product name: **FERTIGEL N+M**

## Product description:

Cross-linked acrylic-starch copolymer with fertilizers and microelements

- colour: grey - green
- humidity: 10-15%
- demineralized water absorption: over 200 g/g
- absorption rate: 6-8 h
- granulation: 5-80 (mesh)
- up to 2 years durability in soil
- complete biodegradation: after 5 years
- pH 6-8

Percentage composition:

Acrylic-starch copolymer – 81.05 %

Fertilizers with microelements – 18.95 %

Percentage composition of fertilizers:

Nitrogen total (N) – 12.8%

Phosphorus (P) – 10%

Potassium (K) – 30%

Magnesium (Mg) – 1,7%

Sulphur (S) – 2,3%

Boron (B) – 0.04%

Cobalt (Co) -0.001%

Copper (Cu) – 0.01%

Iron (Fe) – 0.23%

Manganese (Mn) – 0.14%

Molybdenum (Mo) – 0.003%

Zink (Zn) – 0.03%

## Application:

Water absorbent that increases water retention in soil and nourishes plants with fertilizers and microelements. Applied to soil or growing media destined for plant cultivation.

The described method of use applies to dry product, is approximate, and should be modified based on soil type, requirements of specific plants, and climate conditions. Once dry product has been applied to soil or growing medium, they should be watered abundantly in order to obtain an

optimum required moisture content. In practice, it is recommended to wait until the next day and then verify soil moisture content.

#### Suggested method of use for Fertigel N+M

- Substrates and potting soils: 0.6kg-1kg/m<sup>3</sup>
- In soil: 75g-250g/m<sup>2</sup> mixed with soil at a depth of 25cm
- In rows of plants: 12g-40g per 10m row length with a planting distance of 5 cm
- In planting holes: 0.75g-4g per 1 plant /based on plant size and root system/
- For lawn turf production: 12g-50g/m<sup>2</sup> at a depth of 10cm

**NOTE: Application rates may be modified based on fertilization requirements of the cultivated plants.**

#### **Specific properties:**

After being applied Fertigel must be abundantly hydrated (watered). Watering should be repeated on the day following application. It is recommended to use Fertigel before expected rainfall or in autumn during cultivation. 90% of the water stored in Fertigel is available to plants. During extended periods of draught (two-three weeks) performing a repeat watering is indicated.

#### **Storage:**

The product must be stored in closed packages in a dry place. The sorptive qualities of Fertigel will not be affected in case of some moisture penetration and clumping; however, this may render its application more difficult.

#### **Safety measures:**

The product is non-toxic. In case of contact with mouth or eyes rinse with plenty of water.

#### **Shelf-life:**

If the product is properly stored – three years.

Detailed product information included in the product safety sheet may be obtained from the producer.

#### **Technical consultation:**

Product data sheet does not allow to include all product details regarding its use and effects. In case of any doubts please contact with the producer. We will gladly provide you with advice and answer all your questions regarding the product and its applications.