

DuraTec® Top 14
14-7-14 (+2MgO+9S+T.E.)

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NPK complex controlled release fertilizer with nitrification inhibitor DMPP (3,4-dimethylpyrazolophosphate), partly coated.

© = Registered trademark

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Marketed by:
COMPO GmbH & Co. KG
Gildenstraße 38
48157 Münster
Germany

Technical data:

Macronutrients:

- 14 % nitrogen (N)
 - 6.0 % NO₃ nitrogen
 - 8.0 % NH₄ nitrogen
- 7 % phosphate (P₂O₅)
 - soluble in neutral ammonium citrate
 - 5.6 % water soluble
- 14 % potassium oxide (K₂O)
 - as potassium sulphate,
 - water soluble
- 2 % magnesium oxide (MgO)
 - 1.6 % water soluble
- 9 % sulphur (S),
 - 7.2 % water soluble

Micronutrients:

- 0.02 % boron (B)
- 0.06 % iron (Fe)
- 0.01 % zinc (Zn)

Physical properties:

Granular solid fertilizer,
surface-treated,
25% of nitrogen polymer-coated

Colour:

Green / purple

Bulk density:

ca. 1150 kg/m³

Particle diameter:

90 % within 2.0 - 4.0 mm

Controlled nutrient release:

The nutrients are released in two steps:
1) Starter effect after application under moisture influence.
2) In a second step, the nutrients are released out of the coated granules via diffusion influenced by moisture and temperature.

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Under normal influence and under temperate conditions, the controlled supply lasts two to three months.

The nutrient supply is linked to temperature, i.e. warm (cold) temperature will reduce (increase) the longevity. Drought will also inhibit the nutrient supply. Both effects ensure that nutrient supply is well-adapted to the plant growth factors.

During the active phase of DMPP (4 to 10 weeks, depending on soil temperature and soil humidity) the transformation of ammonium to nitrate is delayed. As a result N-availability is further adapted to the plants` requirements and N-efficiency is increased.

Application:

Thanks to its even granulation and resistant coating DuraTec can be applied easily with spreaders or by hand. Nutrient distribution is even as every granule contains all nutrients and micronutrients. Application is possible during the whole vegetation period.

Watering-in promotes the immediate effect.

Notice to buyer:

Careful tests have proven that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use are beyond our control and we are unable to foresee all circumstances arising therefrom, we are only liable for a consistent quality of the product, but the risk of its storage and use is not borne by us.