

Top Substra® 12-12-17 (+2MgO+8S+T.E.)

Controlled release fine granulated NPK complex fertilizer, partly coated. For mixing into substrates.

Technical data:

Macronutrients:	Micronutrients:
12% nitrogen (N) 5.5% NO ₃ nitrogen 6.5% NH ₄ nitrogen	0.02% boron (B) 0.30% iron (Fe) 0.02% zinc (Zn)
12% phosphate (P ₂ O ₅) soluble in neutral ammonium citrate 7.0% water soluble	
17% potassium oxide (K ₂ O) as potassium sulphate, water soluble	
2% magnesium oxide (MgO) 1.6% water soluble	
8% sulphur (S), 6.4% water soluble	

Physical properties: Granular solid fertilizer, surface-treated, 30% polymer-coated

Colour: Blue

Bulk density: approx. 1050 kg/m³ (+/- 100 kg/m³)

Particle diameter: 90 % within 1.0 - 2.5 mm

Recommendation for application:

Thanks to its even, fine granulation and resistant coating Top Substra can be applied easily and homogenous into the substrate. Nutrient distribution is even as every granule contains all nutrients and micronutrients.

Mixing into substrate is recommended directly before use (maximum storage time 10 days).

Suggested application rate:

0,5 - max. 2,0 Kg/m³ substrate

Controlled nutrient release:

The nutrients are released in two steps:

- 1) Starter effect after application under moisture influence. As a result, the relatively high immediate demand is met.
- 2) In a second step, the nutrients are released out of the coated granules via diffusion influenced by moisture and temperature.



COMPO Expert GmbH
Krögerweg 10
48155 Münster
Germany

E-Mail: info@compo-expert.com

Notice to buyer:

Careful tests have proven that the product is suitable for the recommended purposes when used in accordance with our instructions. Trial first on a small scale before rate, application or other changes in your cultural practices are implemented.

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.

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. Top Substra has a good cost-benefit-ratio and is universally applicable for mixing into substrates.

Storage:

In unopened original containers Top Substra can be stored in a dry location protected from frost, heat and direct sunlight for longer periods of time. Opened containers should be resealed tightly after removal of fertilizer and be stored in a dry place.