

A product of SW-Düngesysteme

From nature - for nature

TURF *forte*

Application in Sports Fields:

TURF forte is an organic slow-release fertilizer with a soil-improving effect. Because of its biological nature (withered biomass of soil fungi and other micro-organisms living in the soil), **TURF forte** offers a well-balanced nutrient supply and is, therefore, optimally adapted to the microbial decomposition process in the soil.

Contents of nutrients:

| | |
|-------------------|-----------------------------------|
| Organic substance | 80 % |
| Total nitrogen | 8 % N |
| Total phosphorus | 2 % P ₂ O ₅ |
| Potassium oxide | 2 % K ₂ O |
| Magnesium oxide | 1 % MgO |
| pH value | 5.3 |

Other components:

Trace elements, clay minerals, vitamins and siderophores (which are able to mobilize iron particles of low availability in the soil).

Application of **TURF forte** in sports fields:

The application of **TURF forte** has proved to be very effective in sports fields over many years. In combination with **DOLOMAG green** (dolomite sand with a high magnesium content; grain size 1 to 3 mm), a highly effective method could be developed to regenerate sports fields at low cost.

Please read the attached product information on **TURF DOLOMAG green**.

Basic requirements:

- dense grass cover
- even surface
- healthy, vital grass
- hardy plants
- natural colour
- far-reaching roots
- no other plants/weeds

The advantages of **TURF forte**:

- **TURF forte** is composed in a way that provides an optimum nutrient supply to the plants. The microbial biomass of **TURF forte** consists of soil fungi and soil bacteria in combination with clay minerals. **TURF forte** is able to activate the soil life. A rich soil flora and fauna can be developed. This results in a biologically stable soil with an improved balance of air, moisture and nutrients.
- Due to the fact that the nutrients are organically bound, **TURF forte** has a long-lasting effect. The microbial decomposition process leads to an adequate release of nutrients. With **TURF forte**, the micro-organisms only decompose the biomass when the nutrients are needed.
- **TURF forte** is able to increase the shearing strength of the grass cover by intensifying the growth and increasing the root length. The compact root network stabilizes and loosens the soil at the same time.

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- **TURF forte** activates the soil life and promotes the use of other natural nutrient supplies. The various micro-organisms in the soil are able to make use of the different nutrients, i.e. optimum supply to the plants.
- **TURF forte** releases the nitrogen only slowly, so that root growth is promoted in the first aspect. A high nitrogen release would result in poor root growth; at the same time, it would promote the growth of the superficial parts of the plants, which would produce seeds.
- **TURF forte** is no subject to leaching.
- **TURF forte** is environmentally friendly (no nitrogen pollution to the soil and ground water).
- **TURF forte** is free from any genetically manipulated substances.
- **TURF forte** supports the plants healthiness. The application of **TURF forte** could be shown to significantly reduce the damage by fusarium.
- In combination with **TURF DOLOMAG green**, **TURF forte** increases the shearing strength of the grass cover. Please see the attached product information on **DOLOMAG green**.



TURF forte intensifies the root growth

- The granulated fertilizer can be applied with any commercial spreading device.

Application in Sports Fields:

To be applied only 1 to 2 times a year

2 appl. p.a. 100 – 150 g/m² in springtime
 100 – 150 g/m² in autumn

1 appl. p.a. 200 – 300 g/m² in springtime

Overfertilization is almost impossible with **TURF forte**. No risk of acid reaction. The fertilizer can be applied the whole year through, except in snowfall and frost. The fertilizer has to be applied to the surface or slightly worked under (max. depth of 2 cm).