



TerrAktiv PLUS - Microbially vitalised substrates for healthy plants

Effective suppression of plant diseases

Growers rely on effective suppression of plant diseases. However, legal requirements allow increasingly little scope for the use of fungicides. This means that plant diseases such as Pythium, Phytophthora and Fusarium may occur again in greater numbers. The addition of biostimulants can have a suppressive effect in substrates and prevent crop diseases.

TerrAktiv PLUS - successful trials about suppressive effects against crop diseases

Klasmann-Deilmann has conducted several series of scientific trials to investigate, among others, the ability of various bacteria and fungi to suppress crop diseases. The new compost product TerrAktiv PLUS was tested in comparison with common biostimulants. All trial results have confirmed the highest suppressive effect of TerrAktiv PLUS. A proportion of 5-10 % by volume in the standard substrate composition is sufficient to achieve excellent results.

TerrAktiv PLUS ...

- + ... is based on TerrAktiv green compost, a compost product from pure plant raw materials
- + ... is additionally enriched with a preparation of microorganisms to optimise the suppressive effect
- + ... is rich in natural amino acids and enzymes
- + ... contains high levels of trace elements

TerrAktiv PLUS ensures ...

- + ... a strong microbial vitalisation of growing media
- + ... a higher resistance to soil-borne fungal infections
- + ... an improved nutrient release from organic fertilisers
- + ... the suppression of mould
- + ... more robust and healthier crops
- + ... improved root growth

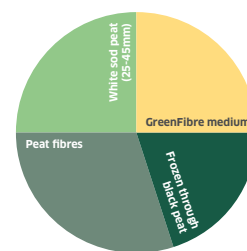


TerrAktiv PLUS – ideal for pot plants, shrubs and trees

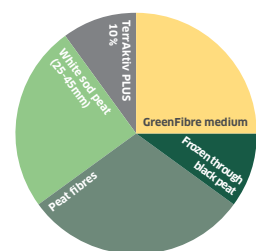
TerrAktiv PLUS ...

- + ... is the better alternative to all common biostimulants for growing media
- + ... yields highly positive effects, especially on the quality of sensitive crops
- + ... is very effective also with abiotic stress factors such as nutrient deficiency, temperature and humidity fluctuations
- + ... may allow a slight reduction in the application of slow-release fertiliser – without undesirable impacts on plant quality

Substrates for container-grown crops



Container Substrate 2
coarse
+ GreenFibre



Container Substrate 2
coarse
+ 10% TerrAktiv PLUS

Trial results in substrate inoculated with the pathogenic fungus *Fusarium oxysporum*



Chemically treated with fungicide



10 % TerrAktiv PLUS



Untreated

TerrAktiv green compost, the base for TerrAktiv PLUS, is produced in own composting facilities and certified to the Dutch RHP standard (www.rhp.nl). During the composting process, the source material is treated with biodynamic substances. Predatory mites (*Hypoaspis miles*) are added to prevent sciarid infestation in the greenhouse.

As TerrAktiv green compost is used primarily in substrates for organic cultivation, the processes and components employed in its production comply with EU Regulation (EC) No. 834/2007 and Annex I to Implementing Regulation (EC) No. 889/2008, inspected by Ecocert. All raw materials and organic fertilisers are GMO free and regularly tested for residues. TerrAktiv adheres to the applicable requirements in Germany, Austria and Switzerland.