

# Special purpose substrates for highest demands

**The Select product range from Klasmann-Deilmann**



*we make it grow*



## Special requirements, tailor-made solutions

As the name suggests, our Select product line is all about working with you to choose an optimal substrate for your particular requirements from a wide range of options. The needs of specific crops and special growing or propagation systems at your nursery are taken into account, as are technical, climatic and geographical factors. Within the Select product range, you can create your tailor-made growing medium that is perfectly adapted to your specific site and conditions.

The Select product range also satisfies the considerable demand for special purpose substrates ideally tailored to particular geographical requirements and to special crops. Therefore, we have developed a country-specific

Select range of growing media for international horticulture markets.

Our high-quality peat types, the wood fibre GreenFibre®, TerrAktiv® green compost and other approved constituents, together with a wide range of nutrient combinations, offer a lot of possibilities to create your Select substrate. In consultation with you, our experts choose the best components, determine the optimal composition and ensure that our production facilities manufacture the most suitable substrate for your particular crop. A substrate from the Select product range is the sophisticated solution for highest demands.



## Your Select substrate

Our experts work with you to select the ideal substrate for your nursery.

### SUBSTRATE CONSTITUENTS

- Frozen through black peat from Germany and Lithuania
- High-quality white sod peat and different white peat types from Lithuania, Latvia and Ireland
- Stable white peat fractions for all applications
- White peat with coarse structure to ensure good drainage
- GreenFibre®, a sustainable wood fibre made of wood from responsibly managed sources
- TerrAktiv®, an RHP certified green compost
- TerrAktiv® FT, a fermented blend of wood fibre and green compost
- Coir and coco fibre
- Perlite, fine and coarse
- Other constituents for special applications

### ADDITIVES

- All additives used are also subject to stringent controls in accordance with RHP guidelines
- pH value specifically adjusted by using fast-reacting lime with a high level of magnesium
- Different clay types to improve nutrient buffering or water balance
- EasyFix additive in substrates for stabilised seedling plugs
- Highly effective wetting agents
- Special additives to strengthen plant health

### FERTILISER OPTIONS

- Exact and even fertilisation
- Different NPK fertiliser formulations
- Single-nutrient fertiliser available to supplement NPK fertiliser
- Specific trace element formulations
- Fertilisation options include high potassium levels or specifically reduced P or N levels
- A wide range of controlled-release fertiliser and organic fertiliser types

### ORGANIC SUBSTRATES

- Addition of alternative constituents including GreenFibre® and TerrAktiv® green compost
- Coir sourced from organic farming
- GMO-free fertiliser options such as horn-based fertiliser, organic NPK fertiliser, plant-based organic fertiliser
- Use of biodynamic compost preparations during green compost production
- Production processes for organic substrates and green compost is certified by Ecocert®, an inspection body for organic farming
- Organic substrates comply with the guidelines and requirements of national organic growers' associations

### FORMS OF DELIVERY



70-liter bags



200-litre bales



Big bales



Bulk

# Checklist for your Select substrate

## SELECT - Tailor-made substrates developed in dialogue with you:

### Comprehensive service and support

- Advice from our experts directly on site in your nursery
- In line with your individual requirements
- Access to our extensive knowledge of all main crops in your region



- Inside track on major developments and the latest trends in international horticulture
- Access to our network of experts in crop management and diagnostics from laboratories providing specific analytical services

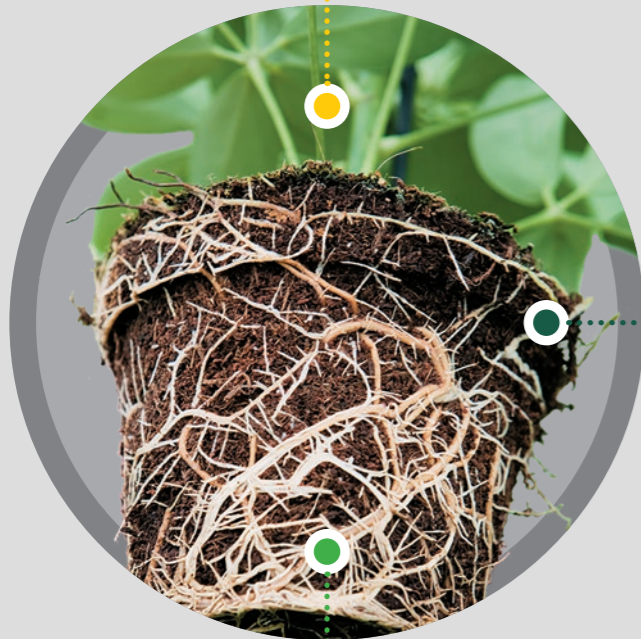
- Analysis of irrigation water, nutrient solutions and substrates in our laboratories
- Detailed technical advice from our experts when growing problems are encountered

### A wide range of options

- Organic and mineral constituents with certified quality
- Various combinations of nutrients
- Individually optimised selection of substrate components
- Ideal tailor-made compositions
- Reliable quality control to ensure your Select substrate is always compliant with the agreed specification

### Desired properties

- Optimum capillary water distribution
- Crop-specific air and water capacity
- High structural stability
- Perfectly suitable for use with automated filling lines
- Ideal press pot stability
- Very fine, free-flowing structure
- Medium, coarse or fibrous structure



## YOUR NURSERY | YOUR REQUIREMENTS - When developing your Select substrate, we consider the following:

### Use

- Crop .....
- Growing system .....
- Pot size .....
- Ecological plant production
- Conventional growing

### Irrigation

- Ebb and flow system
- Overhead irrigation
- Flow irrigation
- Capillary mat irrigation
- Drip irrigation

### Crop conditions

- Indoor crop
- Outdoor crop
- Specific technical aspects
- .....
- .....

### Other aspects

- .....
- .....
- .....
- .....
- .....



## YOUR SELECT SUBSTRATE - Our shared goal is your tailor-made substrate:

### Peat types and constituents

- Frozen through black peat .....
- Peat fibre .....
- White peat, moderately decomposed .....
- White sod peat .....
- White peat .....
- GreenFibre® .....

- TerrAktiv® .....
- TerrAktiv® FT .....
- Perlite .....
- Coco fibre .....
- Coir .....
- Clay .....

### Fertilisation

- pH value (H<sub>2</sub>O) .....
- Fertiliser type .....
- Fertilisation level .....
- Extra trace element fertiliser .....
- .....
- .....

### Further additives

- Wetting agent
- .....
- .....
- .....
- .....

### Other aspects

- .....
- .....
- .....
- Structure**
- .....
- Physical properties**
- .....



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