



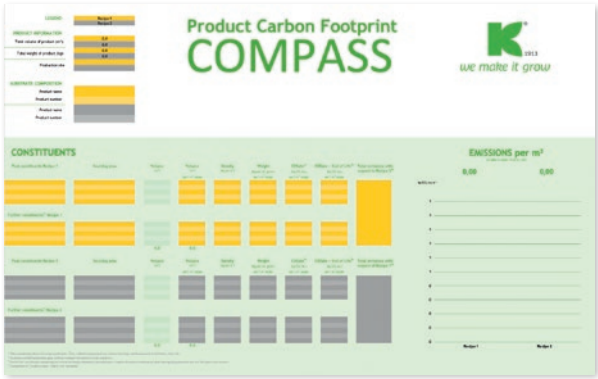
# Calculate emissions – reduce emissions

## Improve your nursery’s climate impact with alternative substrate blends

The constituents of a growing medium emit climate-affecting trace gases into the environment. Trace gases generated during production and stored in the substrate are reflected in the product carbon footprint. The term product carbon footprint (PCF) refers to the greenhouse gas emissions of a product across its life cycle. The choice of substrate components influences the PCF.

### We can supply you with substrate blends that have an improved PCF

- This is achieved through increased usage of alternative constituents.
- These materials are chiefly wood fibre and green compost produced in-house in a quality-assured process.
- Also growing in importance are coir, perlite and regionally available raw materials.



## Our commitment, your benefits

**Support in making the switch**

- + Watering and fertiliser regimes in a horticultural business depend, among other factors, on the substrate blend used.
- + Increased use of alternative constituents means adjustments are necessary.
- + Our expert advisers will assist you with the introduction of new substrates.

**Reliable cultivation performance for your plants**

- + We supply only substrate blends that deliver top reliability in cultivation performance.
- + Alternative constituents make your growing medium work even more effectively.
- + No compromises on quality in terms of plant growth.



**Improving your carbon footprint**

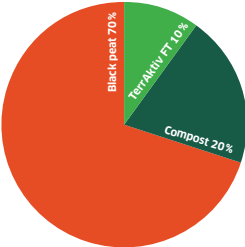
- + You can improve your nursery’s carbon footprint with innovative substrates.
- + Innovative substrates also reduce the carbon footprint of your plants.
- + There are strong calls for alternatives to peat from policymakers, environmentalists and society at large.
- + Switching to new substrate blends offers an opportunity to gain experience at an early stage.



# Reduce CO<sub>2</sub> emissions by up to 28%. With climate-friendly substrate blends

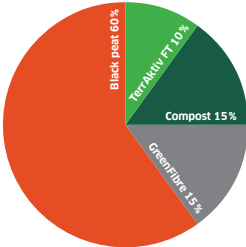
### Organic blocking substrates

2020 range



30% alternative constituents  
= 202 kg CO<sub>2</sub> m<sup>-3</sup>

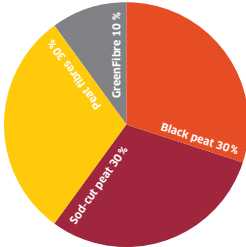
Our 2025 targets



40% alternative constituents  
= 14% CO<sub>2</sub>-reduction

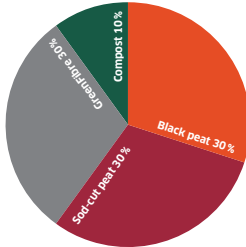
### Container substrates

2020 range



10% alternative constituents  
= 204 kg CO<sub>2</sub> m<sup>-3</sup>

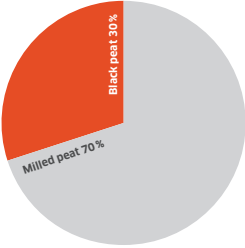
Our 2025 targets



40% alternative constituents  
= 24% CO<sub>2</sub>-reduction

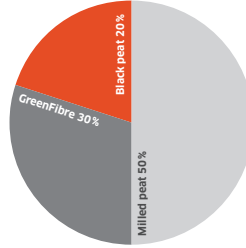
### Potting substrates for bedding plants

2020 range



0% alternative constituents  
= 230 kg CO<sub>2</sub> m<sup>-3</sup>

Our 2025 targets



30% alternative constituents  
= 28% CO<sub>2</sub>-reduction

**Our target: Alternative substrate constituents will account for 30% of the Klasmann-Deilmann Group's total production by 2025.**

