

Growcoon: Fully in line with your needs

The innovative propagation system



we make it grow

Growcoon: Made for systematic solutions

What is Growcoon

Growcoon is a biodegradable plug with a stable but flexible open net structure. The Growcoon forms a stable root ball when used in combination with a high-quality seedling substrate.

Effective growing

Growcoon is the optimal system for all types of propagation methods. It proves to be particularly effective in sowing, rooting of cuttings, grafting and growing-on of young plants from tissue culture as well as in vertical farming and hydroponic systems.

Many sizes

The Growcoon is available in many different standard sizes and suitable for all common tray sizes. In addition, there is a special Growcoon range for hydroponics. So the Growcoon can be used in all established propagation systems and with different trays. Moreover, special sizes can be produced on request.

Special substrates for use with Growcoon

The Growcoon can be used with loosely filled propagation substrates. Klasmann-Deilmann offers a range of growing media especially suitable for use with Growcoons.



Special dispenser

We recommend a dispenser specially designed for the Growcoon. The dispenser is located upstream from the tray-filling machine and places the Growcoons automatically in trays. Alternatively, this can be done manually as well.

Growcoons are delivered compactly stacked in boxes. The dispenser de-stacks the Growcoons automatically and places a full row of Growcoons along the width of the tray.

Advantages of the dispenser

- Automated de-stacking and placing of Growcoons in the tray
- Designed for different sizes of Growcoons thanks to the interchangeable dispenser unit
- Simple operation
- The dispenser can be included easily in your tray filling line
- High capacity, between 10,000 and 50,000 Growcoons per hour

Also available: The manual Growcoon dispenser

The manual dispenser de-stacks the Growcoons and places them in the trays along the whole width of the machine. It is easy to work with and there is no need for electricity. Contact us and find out all advantages or scan the QR Code with your smartphone.



A high-performance duo: Our Substrates and Growcoon



Specialist substrates for propagation in Growcoons

Klasmann-Deilmann is the world's leading producer of growing media for commercial horticulture. Drawing on our experience of all internationally established cultivation methods and growing systems, we have developed a range of substrates specifically for use with the Growcoon.

All substrates have proven themselves for the propagation of ornamentals, vegetable young plants, herbs and many other crops. We will be happy to tell you about the possibilities that a combination of Growcoon and Klasmann-Deilmann substrates have to offer. Call us or send us an e-mail:





Direct improvements that boost cultivation

Improved root development

- Fast and unhindered rooting through the open net structure
- The open net structure allows a higher oxygen exchange stimulating a strong root growth

Superb crop quality

- Shorter cultivation cycles
- Highly uniform plant growth
- Better establishment of young plants after transferring into the hydroponic system

High stability

- Perfectly stable plugs under wet growing conditions
- No contamination of the system water by the loosely filled substrate

Impressive efficiency

- Easy handling with automatic dispenser system
- Optimal plug stability for automatic planting and spacing

Approved for organic growing

- Based on biodegradable polymers
- No harmful residues
- No pollution of crops with harmful substances
- Safe for plants, humans and environment
- SKAL listed; complies with EU regulation on organic production

Growcoon provides multiple benefits

Main benefits

- Shorter propagation cycles
- Vigorous, robust young plants
- Higher root ball stability
- Lower failure rates – especially with sensitive seedlings

Cultivation

- Compact and solid root ball
- Fast root development
- Proliferation of hairy roots
- Easy sticking of cuttings due to loosely filled substrate

Logistics

- Compactly stackable
- Large number of Growcoons per box/pallet
- Efficient transport facilitated

Handling

- Fits perfectly into trays due to consistent dimensions
- Easy to remove from the tray
- Easy selection and re-gapping for a quick dispatching process
- No damage of root balls or roots during transplanting
- Clean handling: No contamination of trays or cultivation tables with substrate during the production process

Perfect microclimate

- Designed to fit perfectly into the tray cells
- The conical shape allows an extra oxygen buffer between Growcoon and tray cell
- Open net structure
- Use of loosely filled substrate



Watch out the video:

The biodegradation of the Growcoon

The Growcoon consists of a unique proprietary developed material that is biodegradable. When in contact with substrate, the Growcoon is biologically decomposed by micro-organisms, such as bacteria and fungi. During this degradation process the Growcoon is converted into water and CO₂.

DISCLAIMER

The statements made in this brochure are based on our present knowledge and do not claim to be complete or fully accurate. We reserve the right to make changes. We do not offer any guarantee or accept any liability for individual cases, as all specific circumstances depend on the individual location, storage and growing conditions, which are beyond the reach of our knowledge and influence. The information given must not be considered as a substitute for individual advice. It is neither binding nor does it form part of a contract for the provision of advice or information.

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In addition to Klasmann-Deilmann's International Sales Conditions (for use in US business), please note that you will be charged separately for all duties and taxes at cost.

The Growcoon is a biodegradable product. The Growcoon's natural degradation process begins as soon as it encounters organic substances, that may contain naturally occurring soil fungi and bacteria. The conditions, the Growcoon is exposed to determine the speed and the nature of the degradation process. Various cultivation and process-related factors such as pH, EC, moisture, temperature, and storage can affect the functional shelf life of Growcoon. In order to prevent the natural degradation process from starting during storage, it is absolutely necessary to store the Growcoon in a dry and clean place and protect it from direct sunlight. Temperatures above 40 degrees (104 degrees Fahrenheit) must be avoided. Growcoon is TÜV certified, certificates are available on request.

