



occurs before much water has evaporated from the block. This ensures excellent controllability of the nutrient solution and pH value.

Strong root growth throughout the entire block

Grodan Delta stimulates the development of strong root growth during the early stages of cultivation. The balanced distribution and vertical structure of the fibres give the same level of resistance to every root enabling the roots to spread throughout the entire block.

The grooves under the block ensure that the roots receive sufficient air and water - an ideal starting point for a healthy, resistant root system.

The balanced growth of the roots, combined with the ready availability of water, air and nutrients all contribute to the vigorous growth of the plant during cultivation. This results in Grodan Delta being the perfect basis for vigorous plants and maximum production.

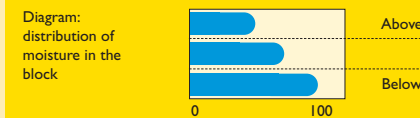
Grodan Delta forms the basis for uniform and perfectly controllable propagation, thus it is the starting point for vigorous and healthy plant growth.

What can Grodan offer you

- A clean, hygienic and inert substrate
- A substrate block with an Ecolabel
- Moisture content meters for guiding and controlling WC, EC and T in the block
- Up-to-date advice for users

Product specifications

- Suitable for producing vegetable and ornamental crops
- Available in various dimensions, with or without holes
- Air is not a limiting factor as the pores are spread throughout the block
- Predominantly vertical fibre structure
- Optimum working range of water content of 55-80 % volume
- Excellent distribution of moisture throughout the depth of the block



Grodan® Delta

Uniformity and controllability for perfect growth

More information

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Uniformity and controllability for perfect growth



Grodan provides cultivation solutions that comprise advice, service and a clean and controllable substrate forming the basis for cultivating safe, healthy and high-quality products. Advanced production techniques guarantee the best cultivation products with maximum homogeneity. Grodan Delta offers growers a solid foundation on which to build a professional water management system with uniform cultivation and excellent results.

Cultivating a homogeneous batch of plants forms the basis for a successful crop. Climate conditions and the materials used are crucial factors in the growth process. Grodan is very aware that the substrate block is crucial in this process, thus, the new Grodan Delta block is uniform throughout. It is robust and handles excellently during both manual and automatic processing, resulting in even water distribution across the depth, ensuring optimal controllability of the air/water balance and the nutrient solution (EC). In addition, root growth in Grodan Delta is spread throughout the entire block. In summary, Grodan Delta is the ideal basis for perfect growth.

- Benefits for cultivation:**
- Improved homogeneity
 - Optimum strength and flexibility
 - Ideal air/water balance
 - Simple controllability of water and nutrients
 - Strong root growth throughout the entire block

Improved homogeneity
It is a fact that homogeneity offers huge advantages during the growing process. Uniform water content (WC), a balanced nutrient solution (EC) and pH value contribute to uniform plant growth. Cutting-edge technical developments in the Grodan production process have resulted in a perfectly balanced homogeneous block. Differences between the blocks and batches have been reduced to a minimum. Each Grodan Delta block is almost identical in density, fibre structure and strength resulting in a uniform and high quality crop.

Optimum strength and flexibility
The fibre structure of Grodan Delta is distinguished by its strength and flexibility.

The robust nature of the block prevents handling problems during both automatic and manual processing. To guarantee optimum growing conditions, however, the block must not be too hard. By layering the fibres vertically, the block acquires the exact resistance required.

Ideal air/water balance
Grodan Delta guarantees an optimum ratio between the air and water in the block. As a result of variations in the small and large pores, the roots always have a sufficient supply of air and water. Water usually seeps through the smaller pores and the first time the block is subjected to overhead watering, it quickly becomes fully saturated. When watered from below, the capillary action of the

fibres ensures a balanced distribution and renewal of water and nutrients. No superfluous water is left at the base of the block avoiding any “wet feet” in the root zone. The larger pores provide enough room for the intake and release of air. The air channels are spread throughout the block guaranteeing a good exchange of air with the surrounding environment.

Simple controllability of water and nutrients
Good water management is essential for the quality and yield of your plants. This is why Grodan Delta has made it possible to accurately control moisture levels in the block. This applies equally to both high and low water levels. You can control the amount of water in the block through quick and easy resaturation between 55 and 80%. When the moisture content drops to the lower end of the scale, it can be simply restored to 80%. The efficient distribution of pores spreads water and nutrients evenly through the entire block, even when resaturation

