



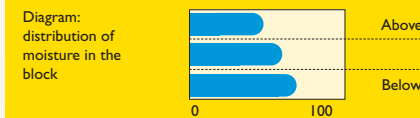
Strong root growth throughout the entire block

Grodan Vitagreen ensures improved availability of water and nutrients during the early stages of cultivation. As a result, the plants develop strong root growth throughout the entire block. More vigorous growth results in slightly greater plant weight. The grooves under the block ensure that the roots receive sufficient air and water, an ideal starting point for a healthy, resistant root system. This makes Grodan Vitagreen the perfect basis for vigorous plants and maximum production.

Grodan Vitagreen is the new standard for quality in cultivation. With the addition of mineral clay, the block acts like a buffer, guaranteeing added security under fluctuating cultivation circumstances.

Product specifications

- Suitable for cultivating 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: 50-85 % volume
- Excellent distribution of moisture throughout the depth of the block
- Addition of mineral clay particles



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

More information

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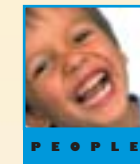
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Grodan® Vitagreen

The best basis for extra growth

The best basis for extra 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 maximum homogeneity. The revamped Vitagreen block with added mineral clay particles supplies the best basis for vigorous growth and buffering properties.

Grodan is very aware that the substrate block is crucial in cultivation. A uniform batch of plants forms the basis for a successful crop and the new Grodan Vitagreen block has been improved with regard to homogeneity and strength. The block retains flexibility ensuring optimum effectiveness in both manual and automatic use. By adding clay mineral particles, the buffer-like action of the block is increased, ensuring uniform distribution of water across the depth resulting in greater security under fluctuating cultivation circumstances. Grodan Vitagreen blocks have a broader control range, which, in turn, stimulates vigorous growth making them the ideal basis for perfect growth.



spread throughout the depth of the block and no excess water is left at the base. In addition, the larger pores and clay particles aid good airflow throughout the block.

Greater control range of water and nutrients

The buffer-like properties of clay limit rapid fluctuations in the pH value. This makes it easier to control the nutrient solution and pH value. Good water management is a crucial factor in controlling the quality of your plants. Grodan Vitagreen offers a more accurate control of the moisture content of the block, which applies equally to both high and low moisture content. Amounts of water in the block can be controlled by optimal resaturation between 50-85%. When the moisture content drops to the lower end of the scale, it can be simply restored to 85%. If the leaf surface area is small, however, renewal is enhanced by overhead sprinkling.

Quality and vigorous growth resulting from added clay particles

Grodan Vitagreen comprises mineral clay particles that act as a buffer for water in addition to nutrients and pH. Clay improves absorption and Vitagreen offers greater security under fluctuating circumstances. The plant has water for a longer period and it is evenly spread throughout the depth of the block. These benefits stimulate vigorous growth in the plant and provide a strong and branched root system. It yields slightly higher plant weight compared to blocks without clay. Vitagreen also produces fewer yellow leaf edges in cucumber.

Improved homogeneity

It is a fact that homogeneity offers huge

advantages during the growing process. Uniform water content (WC) and nutrient level (EC) make a positive contribution 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 Vitagreen 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 Vitagreen 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 Vitagreen guarantees an optimum ratio between the air and water in the block. The first time the block, with its clay particles, is subjected to overhead watering, it quickly becomes saturated. When watered the next time, the capillary action of the tiny pores works with the clay to ensure a balanced distribution and renewal of water and nutrients. Vitagreen guarantees extra security under fluctuating circumstances. The plant has water for a longer period and it is evenly



Benefits for cultivation:

- Quality and vigorous growth resulting from added clay particles
- Improved homogeneity
- Optimum strength and flexibility
- Ideal air/water balance
- Greater control range of water and nutrients
- Strong root growth throughout the entire block

