Grodan Vital NG2.0



1 Guaranteed supplies of water and nutrients

2 Easy irrigation

3 Fast, uniform plant development

4 Efficient WC and EC correction

5 Sustainable use of water and fertilisers

A reliable slab for sustainable production

Grodan's improved Vital slab for vegetables is based on our NG2.0 technology. The improved structure and physical slab properties guarantee fast resaturation within a wide control range. Water and nutrients are uniformly distributed throughout the slab and there are no differences between slabs, meaning that your crop's development can be effectively controlled to promote uniform growth even with a simple irrigation strategy. Grodan Vital combines ease with reliable cultivation results, and is also perfect for Precision Growing.

Grodan Vital is very versatile, and most suitable for the cultivation of tomatoes, sweet peppers, cucumbers and aubergines. Tomatoes will benefit from the uniform distribution of water and efficient supply of fresh water, while sweet peppers will show fast initial development and early fruit set. Together with our likewise improved Plantop propagation blocks, Grodan Vital will ensure an excellent plant balance throughout the entire season.

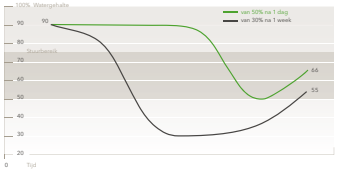
NG2.0 Technology

NG2.0 is the logical next step up from our Next Generation Technology. In comparison with the preceding generation, crops grown in NG2.0 slabs are able to benefit even more from the total substrate volume. The better distribution of the WC and EC in the slab means that they can be corrected faster and more accurately, especially in winter, resulting in a more vigorous crop that can be more effectively controlled and that has a healthy, fine root structure and a larger root volume. NG2.0 is indeed the next step forward in Precision Growing.

1 Fast, uniform initial saturation

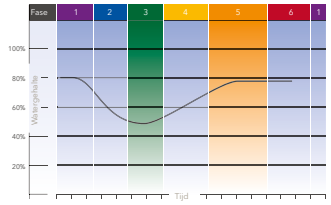
2 Better distribution of WC and EC, especially in the upper part of the slab

3 Better utilisation of the entire substrate volume



1 Guaranteed supplies of water and nutrients

Grodan Vital has excellent water characteristics with a wide water content (WC) and EC control range. The slab drains quickly, but always retains sufficient moisture to prevent the risk of the plants drying out. The good capillary effect moreover ensures a very uniform distribution of water and nutrients throughout the slab.



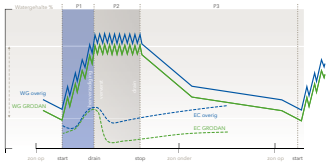
2 Easy irrigation

Grodan Vital allows a flexible, simple irrigation strategy. The water content can be safely varied within a range from 55 to 78% (day level). If a crop has received too little water or has absorbed more than anticipated, the slabs can be quickly resaturated at any time. And if too much water has been given, the slabs will drain quickly, so the WC will never become too high.



3 Fast, uniform plant development

Grodan Vital's vertical fibre structure makes it easy for roots to penetrate the slab, resulting in fast root development and initial growth. The uniform root zone guarantees vigorous, uniform crop development and strong, healthy plants. The slabs retain their firm structure right through to the end of the season, constituting a stable, reliable growing medium for the plants' roots.



4 Efficient WC and EC correction

The development of plants growing in Grodan Vital can be effectively controlled within narrower WC and EC ranges. The reliable irrigation efficiency results in lower 24-hour drainage percentages and restricts the input of nutrients and energy. These factors make it easier to coordinate irrigation and climate strategies, enabling maximum, sustainable cultivation results.



5 Sustainable use of water and fertilisers

Grodan's Next Generation fibres are completely inert and do not bind nutrients or crop protection products. There is no need to flush the slabs before using them and the drainage water can be recycled from the very start of the season – of course after disinfection. A well-planned irrigation strategy will ensure a more efficient use of water and nutrients and, if it is combined with the right climate conditions, it will also lead to more effective control of the crop's development and high yields of top quality.

More precision and convenience with GroSens and e-Gro

Our GroSens wireless slab sensors and e-Gro user app for smartphones make Precision Growing even easier. Our GroSens handheld meter is a flexible, reliable instrument enabling you to measure the water content, EC and temperature of any slab while our GroSens Multisensor system will accurately analyse these data for an entire irrigation section 24/7. Together with our e-Gro app, they will grant you a better understanding of and control over the environment of your plants' roots.

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