

# Grodan® Master

## *Optimum control of generative and vegetative growth*

Do you regard professional water management and control of generative and vegetative crop growth as being of paramount importance in achieving an excellent crop? If so, then Grodan's Master slab is the ideal slab for your needs. This single-season slab possesses a unique twin-layered, fibrous structure that optimises the distribution of the moisture throughout the slab – this results in improved root development throughout the volume of the substrate, which in turn promotes optimum yields of high-quality produce. Many large and small vegetable growers have, for many seasons, used of the Master slab and experienced its many benefits.

Grodan supplies cultivation solutions that comprise a combination of advice, support and a clean and controllable substrate. This results in the best basis for the cultivation of safe, healthy and high-quality vegetables and plants. The Master slab is an ideal substrate for growers who wish to be in control of the generative and vegetative growth habits of their plants in order to achieve the optimum production results over the whole season.



### Benefits:

- Control of the vegetative and generative plant habits by virtue of the large control range
- Root development throughout the entire volume of the slab
- Efficient refreshment of the EC
- Rapid resaturation
- Optimum yield and quality

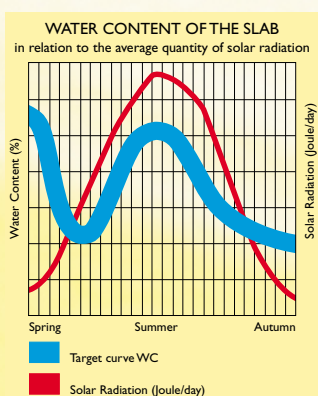
### Control of plant growth

The Master slab's unique twin-layered fibre structure comprises a denser top layer and a more porous lower layer. This unique structure gives the grower a broad range of water content control varying from 50% to 80%. Consequently the water content can simply be gradually decreased in the spring, increased in the summer months, and then decreased again in the autumn. This gives growers the ability to control plant growth in the desired generative or vegetative direction – ensuring that the roots are maintained in an optimum condition throughout each season.

### Root development throughout the entire volume of the slab

In addition to providing a large control range, the Master's unique fibrous structure also ensures an ideal root distribution throughout the slab. Water added to the slab is distributed across the entire top layer prior to percolating down through to the bottom layer. This improved water control results in root development throughout the slab. The use of the entire volume of the slab supports the plant's increased root development, in turn causing the plants to be healthy and strong, with an increased resistance to diseases and other infections.





## More information

### Grodan BV

The Netherlands

Tel.: +31 (0)475 – 353 020

Fax: +31 (0)475 – 353 716

### Grodan A/S

Denmark

Tel.: + (0)45 - 46560400

Fax: + (0)45 - 46561211

E-mail: [info@grodan.com](mailto:info@grodan.com)

[www.grodan.com](http://www.grodan.com)

## Efficient refreshment of the EC

Control of the water content is an important factor, however effective EC will also result in improved yields. The Master offers the opportunity to refresh the EC in the slab with a minimum water quantity. This benefit is due to the slab's unique twin-layer fibrous structure. The water distributes itself in a horizontal direction prior to percolating through to the lower layer of the slab – which results in a positive improvement in the refreshment of the EC throughout the substrate volume.

## Rapid resaturation

The Master, has the positive characteristic of rapid resaturation, which considerably reduces the risk of the top layer becoming too dry. This is a major benefit, giving the grower a greater degree of safety in the event of unforeseen circumstances, such as an interrupted water supply.

This resaturation characteristic is an additional advantage for growers who harvest a number of crops a year, such as cucumber growers.

## Optimum yield and quality

Independent research by the PPO (Dutch Research Station for Floriculture/Glass-house Vegetables) and practical experience, have demonstrated that the use of water management will result in increased crop yields and quality. The Master is ideal for this technique, since it has proven itself to be the slab for controlled and managed cultivation. Growers who are able to have control of the water content and EC level, achieve optimum results from their crops, even during the shorter days of autumn.

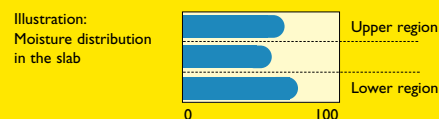
**The Master slab is the premium substrate for growers who wish to exert control on generative and vegetative growth habits of their plants in order to produce excellent crops.**

## What Grodan can offer you

- A clean and disease-free substrate that neither exudes nutrients or other substances during cultivation, nor locks nutrients in the slab
- Responsible recycling of Grodan slabs
- Substrate slab with the Dutch Ecolabel Milieukeur\*
- Water-content meters – WCM-control (monitoring) and WCM-continuous – for the control of the water content, EC, and temperature of the slab
- Up-to date advice for users

## Product specifications

- Single-season slab
- Available in variety of dimensions. See [www.grodan.com](http://www.grodan.com)
- Unique twin-layer fibrous structure; a firmer top layer in comparison with the under layer
- Water-content control range: 50-80%
- Excellent distribution of moisture across the depth of the slab



\* This is only applicable in The Netherlands and Belgium