



1

Optimum control range

2

Higher yields thanks to climate management

3

Uniform crop development

4

Robust, strong plants

5

Sustainable use of water and nutrients

Perfect for Precision Growing

GT Master with NG2.0 technology has a unique fibre structure that promotes complete penetration of the entire slab with finely branched roots. Combined with the excellent physical properties, such as fast resaturation and the ability to perfectly control the water content (WC) and EC, this enables maximum crop performance, even in periods of high radiation. These characteristics make GT Master ideal for Precision Growing: the coordinated control of climate conditions, the crop's development and the root environment to ensure optimum cultivation results, and of course with efficient use of water and nutrients.

Use

GT Master is ideal for promoting generative or vegetative growth via specific control of the plants' root environment and the greenhouse climate. It is the most popular substrate slab for tomatoes worldwide. Combined with Plantop NG2.0, GT Master grants growers complete control over their plants' 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 utilise the entire substrate volume more efficiently. Thanks to the better distribution of the WC and EC in the slab 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

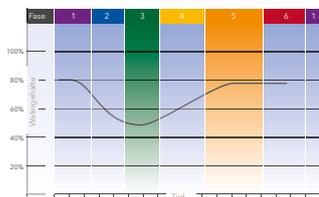


Better distribution of WC and EC, especially in the upper part of the slab

3

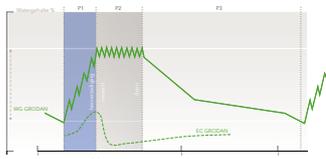


Better utilisation of the total substrate volume



1 Optimum control range

The WC and EC in GT Master can be quickly and accurately adapted to any desired level. In a low-energy heating strategy a low WC and a high EC will ensure the required generative impulse, while a higher WC and lower EC will prompt vegetative development in periods of high radiation, resulting in fast growth and good fruit quality. So GT Master offers you complete control over your plants' balance and the development of your crop under any condition.



2 Higher yields thanks to climate management

GT Master has excellent water characteristics in the form of a uniform distribution of water, fast resaturation and a maximum supply of fresh water and nutrients at minimum drainage. This efficiency makes it easier to gear the root environment to your climate regime. The EC in the slab will remain stable during sudden changes in weather, preventing undesired fluctuations and any need for sudden interventions in your control strategy.



3 Uniform crop development

GT Master guarantees a more uniform distribution of water and nutrients throughout the entire slab, ensuring that all the plants receive the same generative or vegetative impulse, in accordance with the employed climate strategy and the desired crop development. And this results in a perfectly balanced crop with high yields of excellent quality, realised with an efficient use of energy, water and nutrients.



4 Robust, strong plants

The uniform structure promotes fast, steady growth of roots throughout the entire slab. New, healthy roots will continue to grow from the block at the top of the slab until the end of the season. A strong, well-developed root system guarantees maximum absorption of water and nutrients, resulting in a robust, strong crop that will be more resistant to diseases and stress situations.



5 Sustainable use of water and nutrients

Grodan's slabs with NG2.0 technology 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 100% recycled – 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.

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 more control over the root environment.



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