

Grodan Improved

Grodan partnered with the Wageningen University and Research Facility and top growers to determine the optimal stone wool substrate and irrigation strategies for indoor and greenhouse speciality crops. The result of this scientific rigor is Grodan Improved with our Advanced Wetting Agent. These leading edge blocks and slabs have the optimal fiber structure and physical properties for crop uniformity, more even Water Content (WC) and Electrical Conductivity (EC) distribution throughout the entire substrate, and the greatest steering capabilities available. These benefits translate to higher yields, improved quality, less water and nutrient usage, and reduced sensitivity of the crop to diseases.

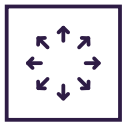
Grodan Gro-Block Improved

Key benefits



Excellent control

The improved initial saturation and improved water distribution throughout the height of the blocks results in improved root growth, enhanced water holding capabilities and more stable EC behavior in the root zone. This makes it easier than ever before to control your crop, with even less inputs, from propagation through to harvest.



Greater steering possibilities

The advanced technology used in Grodan Gro-Blocks Improved combined with the uniformity of WC and EC throughout the entire block provide better vegetative and generative steering. WC and EC can be adjusted more rapidly and efficiently.



Roots making better use of entire substrate volume

Both the rooting-in and rooting-through plant processes in Grodan Improved occurs several days faster, speeding up the vegetative phase and time to harvest. The more effective rooting-through of the entire substrate volume leads to a visible increase of roots and thus, better water and nutrient uptake.



Now available in UV exclusion foil with a black inner layer and white outer layer to block UV light from the sides of the blocks.

Product data

Description	Dimensions (WxHxL) in centimeters	Dimensions (WxHxL) in inches
Grodan GRO-BLOCK Improved Mini-Block 1.5"	4 x 4 x 4	1.5 x 1.5 x 1.5
Grodan GRO-BLOCK Improved Mini-Block 2"	5 x 5 x 5	2 x 2 x 2
Grodan GRO-BLOCK Improved GR4 Small 3"*	7.5 x 7.5 x 6.5	3 x 3 x 2.5
Grodan GRO-BLOCK Improved GR5.6 Large 3"*	7.5 x 7.5 x 10	3 x 3 x 4
Grodan GRO-BLOCK Improved GR6.5 Small 4" *	10 x 10 x 6.5	4 x 4 x 2.5
Grodan GRO-BLOCK Improved GR7.5 Medium 4"*	10 x 10 x 7.5	4 x 4 x 3
Grodan GRO-BLOCK Improved GR10 Large 4"*	10 x 10 x 10	4 x 4 x 4
Grodan GRO-BLOCK Improved GR22.5 Jumbo*	15 x 15 x 10	6 x 6 x 4
Grodan GRO-BLOCK Improved GR32 Hugo*	15 x 15 x 14.2	6 x 6 x 6
Grodan GRO-BLOCK Improved GR40 Uni-Block*	20 x 20 x 10	8 x 8 x 4

* Available in black/white foil



Grodan Improved Gro-Slab and Uni-Slab

Key benefits



Retains sufficient water

The Advanced Wetting Agent in Grodan Improved Gro-Slab's results in more uniform water distribution throughout the entire slab. The properties of Grodan Improved Gro-Slabs enable a multi-faceted irrigation strategy by allowing growers to vary the water volume within a safe range of between 55% and 78% (day level). The improved capillary action of Gro-Slabs also ensures that moisture is retained more evenly throughout the entire slab.



Excellent Steerability

The ability of Grodan Improved to distribute WC and EC evenly throughout the slab volume creates optimal steering capabilities. Growers have more control of the plant's balance throughout the crop cycle, allowing plant steering with precise adjustments of the WC and EC in the rootzone.



Sustainable water and nutrient use

Stone wool fibres do not bind nutrients and do not require flushing at the start of the cultivation cycle. An initial targeted application of water and nutrients in the cultivation cycle enables sustainable water and fertilizer use. In combination with other management strategies, including GroSens and e-Gro tools that enable precision growing, Grodan Improved Gro-Slabs facilitate optimum crop steering for healthy plants and greater yields.



Now available with pre-cut plant holes

Product data

Description	Dimensions in in (WxHxL)	Dimensions in cm (WxHxL)	Available with pre-cut plant holes	Gro-Slabs per pack
Uni-Slab™	8 x 4 x 9.5"	20 x 10 x 24	Yes	16
Gro-Slab 6"	6 x 4 x 36"	15 x 10 x 91.4	Yes	12
Gro-Slab 6"	6 x 3 x 36"	15 x 7.6 x 91.4	Yes	12
Gro-Slab 8"	8 x 3 x 36"	20 x 7.6 x 91.4	Yes	12
Gro-Slab 12"	12 x 3 x 36"	30.5 x 7.6 x 91.4		8