



## Grodan GRO-BLOCK Improved

Grodan partnered with the Wageningen University and Research Facility and top growers from all over North America to determine the optimal stone wool substrate and irrigation strategies for indoor and greenhouse speciality crops. The result of this scientific rigor is Grodan Gro-Blocks Improved with our Advanced Wetting Agent. These leading edge blocks have the optimal fiber structure and physical properties for crop uniformity, more even Water Content (WC) and Electrical Conductivity (EC) distribution throughout the entire block, and the greatest steering capabilities available. Water distribution is more uniform throughout the entire block which is the basis for a well-defined root system with higher capacities for water and nutrient uptake to produce robust and vigorous crops. These benefits translate to higher yields, improved quality, less water and nutrient usage, and reduced sensitivity of the crop to diseases.

### Key features

**New and improved wetting agent and hydrophilic technology** greatly enhances the water characteristics of Grodan Gro-Blocks Improved giving even better water distribution over the height of the block. This results in greater plant development and steerability and more efficient use of water and nutrients.

**Optimized wool structure** allows for faster rooting-in and nutrient solution replenishment, all while the Gro-Block Improved maintains its structure, firmness, and rigidity throughout the growing process.



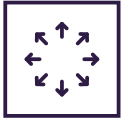
# Product Data Sheet

## 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 is easier than ever before to control your crop, with even less inputs, from propagation through to harvest.



### Greater steering possibilities

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. This offers additional assurances, such as in the case that the grower would need to adjust root zone WC or EC.



### Roots making better use of entire substrate volume

Both the rooting-in and rooting-through plant processes have improved. Trials have repeatedly shown that the initial rooting-in phase in Grodan Gro-Block 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. Naturally, this results in enhanced plant health and productivity from start to finish.



### Stronger, more vigorous plant development

Due to the better developed root system in Grodan Gro-Blocks Improved, the trial results showed improved plant growth, including larger plant size, greater stem thickness and bigger leaves. Ultimately, this can lead to higher yield, while at the same time the stronger, more vigorous plants show increased resistance to disease.

## Product data

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