



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 specialty crops. This scientific rigor results in 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 water and nutrient uptake capabilities 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.





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Key features

New and improved wetting agents and hydrophilic binder 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. The optimized wool density allows for faster rooting-in and nutrient solution refreshment, all while the Gro-Block Improved maintains its structure, firmness, and rigidity throughout the growing process.

Key benefits

Excellent control

The higher field capacity upon initial saturation, and improved water distribution throughout the height of the block 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 fewer 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, provides better vegetative and generative steering. WC and EC can be adjusted more rapidly and efficiently with less leachate required to reduce and stabilize substrate EC. This offers the grower a nimble, flexible substrate that can be steered generatively and vegetatively with a high degree of efficiency.

Roots making better use of the entire substrate volume

Both the rooting-in and rooting-through growth phase has improved thanks to the Gro-Block Improved technology. 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-Block Improved, the trial results showed increased plant growth, especially during the vegetative phase, in the form of 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.