



# Wetting Instructions for Grodan Improved Gro-Blocks

**Initial saturation of the GRO-blocks is essential for successful cultivation. It is the basis for optimal root development and growth of your crop.**

## 1. Wetting blocks by submersion

- Prepare a nutrient solution of approximately 1.5 EC that has been pH adjusted to 5.5 - 6.5.
- Fill a container with the nutrient solution that will ensure the blocks will be fully covered by the nutrient solution.
- Place blocks into the container and allow to sink to submerge in the solution. Approximate sinking times are listed in the chart.
- Keep the blocks submerged until bubbling stops.
- Do not leave the blocks in the solution for longer than 20 minutes as that will limit performance.
- Remove blocks from the solution and place on the bench with the grooves in the direction of the drain to enable excess nutrient solution to drain from the block.

## 2. Wetting blocks by watering them from above

- Saturation of blocks from above in a facility usually takes place on benches.
- Position the blocks with the grooves in the direction of the drain to enable excess nutrient solution to readily drain from the blocks.
- Place the blocks close together but not touching each other so that they can be efficiently saturated.
- The blocks can be saturated from above using a hose with a coarse spray nozzle.
- Using a coarse spray, pass over the blocks 6 to 8 times with a steady, consistent pace
- The nutrient solution must have enough time to penetrate the blocks through to the bottom.  
Supplying a large amount of nutrient solution in one go will not lead to a better result. It is better to divide the total amount between 6 to 8 less voluminous watering sessions.
- If you are using a hose, make sure you wet the blocks uniformly.
- If desired additional ebb and flood watering can be applied.

## 3. Checking the water absorption in the blocks

- It is important to ensure full saturation of Grodan products to prevent dry areas that might affect production. To properly assess saturation, we advise checking the wet weight of the products.
- You must weigh several blocks, in different parts of your bench and facility.
- Compare the wet weight after saturation to the chart below noting that these are guidelines.
- To guarantee this, please use the recommended values per product as indicated in the table.

**TABLE WITH RECOMMENDED VALUES (METRIC)**

Description	Dimensions (WxHxL) in cm	Approximate Sinking Time (Seconds)	WC advice in grams
Grodan GRO-BLOCK Improved Mini-Block 1.5"	4*4*4	10	57
Grodan GRO-BLOCK Improved Mini-Block 2"	5*5*5	10	110
Grodan GRO-BLOCK Improved GR4 Small 3"	7.5*7.5*6.5	10 - 15	325
Grodan GRO-BLOCK Improved GR5.6 Large 3"	7.5*7.5*10	10 - 15	500
Grodan GRO-BLOCK Improved GR6.5 Small 4"	10*10*6.5	10 - 15	550
Grodan GRO-BLOCK Improved GR7.5 Medium 4"	10*10*7.5	15 - 20	650
Grodan GRO-BLOCK Improved GR10 Large 4"	10*10*10	15 - 25	850
Grodan GRO-BLOCK Improved GR22.5 Jumbo	15*15*10	40 - 60	2000
Grodan GRO-BLOCK Improved GR32 Hugo	15*15*14.2	20 - 30	2800
Grodan GRO-BLOCK Improved GR40 Uni-Block	20*20*10	40 - 60	3500

**TABLE WITH RECOMMENDED VALUES (US)**

Description	Dimensions (WxHxL) in cm	Approximate Sinking Time (Seconds)	WC advice in ounces
Grodan GRO-BLOCK Improved Mini-Block 1.5"	4*4*4	10	2.0
Grodan GRO-BLOCK Improved Mini-Block 2"	5*5*5	10	3.9
Grodan GRO-BLOCK Improved GR4 Small 3"	7.5*7.5*6.5	10 - 15	11.5
Grodan GRO-BLOCK Improved GR5.6 Large 3"	7.5*7.5*10	10 - 15	17.6
Grodan GRO-BLOCK Improved GR6.5 Small 4"	10*10*6.5	10 - 15	19.4
Grodan GRO-BLOCK Improved GR7.5 Medium 4"	10*10*7.5	15 - 20	22.9
Grodan GRO-BLOCK Improved GR10 Large 4"	10*10*10	15 - 25	30.0
Grodan GRO-BLOCK Improved GR22.5 Jumbo	15*15*10	40 - 60	70.5
Grodan GRO-BLOCK Improved GR32 Hugo	15*15*14.2	20 - 30	98.8
Grodan GRO-BLOCK Improved GR40 Uni-Block	20*20*10	40 - 60	123.5