



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 ppm 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 3 to 4 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 |