

Initial Saturation: Grodan Max Plugs

Proper saturation of Grodan propagation plugs establishes a uniform rooting environment and provides the cuttings with immediate access to water and essential nutrients. Because stone wool is an inert substrate containing no plant-available nutrients, the plugs should always be saturated with a balanced vegetative fertilizer solution prior to inserting cuttings. Uniform initial wetting eliminates dry pockets and promotes consistent root initiation and early plant development.

1

Submersion Method

- Prepare a balanced vegetative fertilizer solution at EC 1.5-2.5 mS/cm and pH 5.5 before taking or inserting cuttings.
- If saturating Grodan plugs in sheets, place the sheets into the appropriate insert before saturation. Plug sheets may also be separated into individual loose plugs prior to saturation if desired.
- Submerge the entire tray of propagation plugs (or loose plugs) completely into the balanced vegetative fertilizer solution.
- Allow the plugs to soak for approximately 5 minutes, or until air bubbles are no longer released from the substrate.
- Remove the tray and allow excess fertilizer solution to drain freely before proceeding.

2

Overhead Saturation Method

- Prepare a balanced vegetative fertilizer solution at EC 1.5-2.5 mS/cm and pH 5.5 before taking or inserting cuttings.
- Place Grodan plug sheets into the appropriate insert or tray prior to saturation.
- Apply the balanced vegetative fertilizer solution via an overhead watering wand fitted with a coarse spray head.
- Apply the solution slowly in multiple passes until all propagation plugs are uniformly saturated.
- Propagation plugs may not reach full saturation if only a single pass is made overhead.

3

Checking Saturation

- Measure the weight of several propagation plugs or plug trays from different locations throughout the growing area to ensure they are uniformly and fully saturated.
- No dry spots should be visible within the propagation media.
- Compare measured weights to the recommended saturated weight.

Name	Dimensions (in)	Dimensions (mm)	Minimum weight (oz)	Minimum weight (g)
Individual plug	1.5 x 1.5 x 1.6	36 x 36 x 40	1.4	40
Sheet of 70 plugs	1.5 x 1.5 x 1.6	36 x 36 x 40	106	3000



Grodan®

Grodan part of ROCKWOOL Group

8024 Esquesing Line, Milton ON L9T 6W3 Canada
info@grodan101.com | www.grodan101.com

Disclaimer: Grodan does not cultivate or manufacture cannabis for sale. Grodan products are available for purchase only in legalized cannabis markets to compliant dealers, resellers, and licensed cultivators.

Grodan® is a registered trademark of ROCKWOOL Group.

All rights reserved. July 2026