

Switch to clean

Clean growing system, clean lettuce
and reliable results



Optimise growth with the Grodan wetting instructions

Grodan stone wool growing media are inert and hygienic, providing your crop with a clean, disease-free start. However, the initial wetting of Grodan products is crucial to the success of the growing process. It forms the foundation for the root development and growth of lettuce plants. To guarantee successful use, it is essential that you follow these instructions.

Procedure steps

Checking the water absorption

Step 1

To ensure the products absorb sufficient water and nutrients on the wetting line, the wet weight of a number of trays should be checked on a scale.

Full saturation of the product is essential for the lettuce plants. Advice for initial wetting:

85% minimum of the total growing media volume.

The water content in percentage depends on the product dimensions being used, here are two calculation examples.

Product	Unit dimensions	Minimum wet weight per piece
AO plugs	25 x 40 mm	> 21 grams
AO plugs	36 x 40 mm	> 44 grams

Water supply and belt speed

Step 2

- Ensure there is sufficient water to saturate the products.
- Be aware of water pressure. A lower pressure will gently saturate the plugs, and the excess water will drain away.
- To prevent air becoming trapped in the products, ensure water can easily drain away. This will avoid differences in the water content and EC.

- Beware of the belt speed. A slow speed encourages good water absorption.
- Check the spray bar regularly for blockages, otherwise some products may be left partially or completely dry.

Spray bars

Step 3

A wetting line usually has at least 3 spray bars. The distance between the spray bars must be sufficiently large, minimum 50 cm, otherwise good water absorption cannot be guaranteed.

- 1st spray bar: the fibres are activated for the first absorption of water.
- 2nd spray bar: the products become fully saturated.
- 3rd spray bar: the water content of the products is optimised during the final water absorption. This creates a uniform water content and uniform EC distribution.

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