



GRODAN AOK, MACRO PLUGS AND TRAYS

Grodan plugs are known for their uniformity and reliable consistency, providing predictable and homogeneous propagation and a high success rate. Every plug offers uniform density, firmness, and fiber structure. The shape and firmness of the plugs make processing, whether manual or automated, significantly easier. The plug consistency allows for a balanced distribution of water and nutrients, which benefits rooting and initial crop development.

Application

- Suitable for cloning and propagation from seed
- Available in different sizes, 36x36x40mm (1.5 inch plug) and 50x50x40mm (2 inch plug)
- Also available as plugs pre-loaded and separated into plastic trays

1. Uniform root emergence and plant quality

Grodan plugs have a highly uniform fiber structure and firmness, guaranteeing excellent distribution of water and nutrients and promoting fast, consistent germination and root development. With these high-quality plugs, differences within and between batches of plants are smaller than ever. More uniform seedlings result in accelerated plant development.

2. Improved air/water ratio

The unique fiber structure ensures an optimum air/water ratio and exceptional water and nutrient distribution. Thanks to the fast absorption of water, the plug's fibers become completely saturated when irrigated for the first time. The large pores allow for a permanent supply of fresh air and promote fast root development throughout the entire plug.

3. Good firmness and stability







Grodan plugs are firm, maintain their shape during handling, and constitute a stable basis during rooting and seedling initial development. They can be handled easily by hand during transplanting. This durability minimizes the risk of damage to the roots, enhancing uniformity and limiting losses.

4. Efficient use of water and nutrients

The plugs' steerability allows for greater water content control, and the uniform fiber structure ensures consistent distribution and fast absorption when irrigating. That means less watering for you, and more efficient use of the water and nutrients, resulting in a more sustainable propagation process and lower costs.



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Item	Description	Dimensions	Quantity	Options
	AO Plugs <ul style="list-style-type: none"> • Square size plugs connected to each other at the top of the plug forming a sheet fitting a 10/20 tray • Plugs have a tapered bottom, for improved transplanting • Ideal plug for cannabis crops in hydroponic systems • Great to use for germinating seeds 	<ul style="list-style-type: none"> • 1" AO Plugs (1"x1"x1.6") • 1.5" AO Plugs (1.4"x1.4"x1.6") • 2" AO Plugs (2"x2"x1.6") 	<ul style="list-style-type: none"> • 6000 plugs/carton • 2940 plugs / carton • 1500 plugs/carton 	Available in wrapped individual sheets or 30 sheets unwrapped in carton
	Macro Plugs <ul style="list-style-type: none"> • Loose, round plugs that fit perfectly into the Grodan Gro-Block hole • Slit to insert clones • Ideal plug for cannabis clones • Same great benefits as the AOK plugs, only these plugs are loose and pre-filled into a tray 	<ul style="list-style-type: none"> • Macroplug 1.5"round, 1.57"high 	<ul style="list-style-type: none"> • 2000 plugs loose / carton • 1750 plugs / carton, 35 per box 	
	AO Pre-filled Tray <ul style="list-style-type: none"> • Same great benefits as the AO plugs, only these AOs are pre-cut and pre-filled into an insert tray 	<ul style="list-style-type: none"> • 1.5" AO Plugs (1.4"x1.4"x1.9") - pre-cut/pre-fill insert of 50 	<ul style="list-style-type: none"> • 30 inserts/ carton 	
	Gro-smart Plug Tray <ul style="list-style-type: none"> • Double-sided tray. Use the 78-cell side for 1.5" AOs and Macro plugs, use the mesh side for mini-blocks and gro-blocks. Place in 10"x20" tray 	<ul style="list-style-type: none"> • Gro-Smart Tray has 78 Cells for 1.5" AOs 	<ul style="list-style-type: none"> • 5 trays / carton 	
	AO Plugs Loose <ul style="list-style-type: none"> • Our 1.5" AO Plugs, pre-cut and loose in carton 	<ul style="list-style-type: none"> • 1.5" AO Plugs (1.4"x1.4"x1.6") - Pre-cut 	<ul style="list-style-type: none"> • 2310 plugs, bulk in carton 	
	Cress Plate <ul style="list-style-type: none"> • The Grodan Cress Plate is our thinnest stone wool product available at just 0.3 inches. It's ideal for micropropagation and microgreens 	<ul style="list-style-type: none"> • 495mmx240mmx-10mm; bare 	<ul style="list-style-type: none"> • 95 plates / carton 	