

2013 PRODUCT CATALOG

gro|dan®

Expect More. Demand Grodan.

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WHY GRODAN®?

GRODAN'S REPUTATION

Grodan provides a more efficient and cost effective alternative substrate for growing plants and has been producing superior-grade Stonewool since 1969. Stonewool is basically basalt (rock) that is heated to 3,000° Fahrenheit and spun like cotton candy into long fibers (wool). The fact that it's simply sustainable for the environment and your business is an added bonus.

MAJOR BENEFITS OF GRODAN STONEWOOL

- Lightweight, pathogen-free, disease-free, seed-free.
- Simple to use with instructions on the packaging.
- Highly sustainable and as natural as rock - literally.
- Water is distributed quickly and evenly throughout the media, a feature matched by no other media.
- Easy to recycle with many options available.
- User friendly with a fast wilt-recovery time and can survive longer if pump should fail.
- Completely pH neutral (after brief pre-conditioning).
- The most uniform growing substrate available which means consistent results for you.
- Totally inert, meaning it will not hold back ANY nutrients or water from the plant.
- Highly efficient - requiring fewer irrigation cycles, extending overall pump life.
- Usable in recirculating systems (unlike soil and peat mixes), reducing fertilizer usage and water costs.
- Backed by unparalleled product support directly from the Grodan manufacturer.
- Ecolabel licensed (see details below).

LEADING THE WAY

Grodan has established a respectable reputation over the last 40 years and maintains it by learning from retailers, consumers and technological advancements.

- **GREEN MANUFACTURING:** The Ecolabel is a cradle-to-grave approach involving an indepth investigation by a third party prior to being licensed. The Eco-label offers piece of mind that Grodan's products are 100% kind to people and the planet.
- **CONSISTENT PRODUCT QUALITY:** Stringent quality controls in Grodan factories ensure consistent uniformity, density, size and weight of the product. Grodan is a recipient of the ISO 14001 rating for quality excellence.
- **QUALITY OF LIFE.** By teaching others how to grow healthy vegetables using fewer pesticides, less fertilizer, and minimizing water usage, Grodan upholds standards for future generations. Grodan Stonewool is deemed safe by WHO (World Health Organization), and the Stonewool MSDS (Material Safety Data sheet) is posted on www.grodan101.com.

EU Ecolabel : NL/29/001

EU Ecolabel
www.ecolabel.eu

A considerably more thorough certification than O.M.R.I. (Organic Materials Review Institute), the EU Ecolabel is the European standard for factories that produce only earth-friendly products.

- **POSITIVE ENVIRONMENTAL IMPACT.** Providing a product that is earth-friendly has always been a priority, meaning being socially responsible both in manufacturing and usage. Grodan factories recycle used Stonewool by collecting it from nearby commercial greenhouses, melting it down and adding it to the ingredients to make new Stonewool. Due to the particular manufacturing process, there is absolutely no difference in the quality of the finished product whether derived solely from original basalt, or mixed with used wool. Grodan's reputation demands it.
- **PRODUCT SUPPORT.** Find pertinant information on **www.grodan101.com** including downloadable brochures, charts, guides, and videos to enable anyone to have superb results with Grodan. A designated toll-free phone line, (888)-444-2476, is available for retailers to use for immediate technical service. You and your customers can find find answers to nearly all their questions on www.grodan101.com or by emailing info@grodan101.com.

PLANT STARTERS



A-OK™, MACROPLUGS™ & MINI-BLOCKS™ for healthy beginnings.

ITEM	NAME	SIZE	UNITS/PACK	PACKS/CASE	UNITS/CASE
1.5" A-OK	AO 36/40 6/15	1.4" Square x H 1.57"	98	30	2940
2.0" A-OK	AO 50/40 6/15	2.0" Square x H 1.57"	50	30	1500



Use A-OK starter plugs to start seeds and to root cuttings. The 1.5" size suits the cells in the GRO-SMART TRAY™. (Place 2" A-OK's on the mesh platform side.) A-OK's comes in 10x20" shrinkwrapped sheets with instructions. The 1.5" A-OK fits holes in all Grodan GRO-BLOCKS.

*1" plug (AO 25/40) is special order (200 plugs/NON shrink-wrapped sheet). Check for availability.

ITEM	NAME	SIZE	UNITS/PACK	PACKS/CASE	UNITS/CASE
MACROPLUG	MACROPLUG 36/40	1.5" Round x H 1.57"	50	35	1750



MACROPLUGS have a slit to allow for the easy insert of a cutting. These loose, round plugs fit perfectly into the GRO-BLOCK hole. For best results with MACROPLUGS, always insert them into our GRO-SMART TRAY with individual cells. The individual cell will keep the plug firmly closed around the stem of your cutting.

*Macroplugs are also sold loose in cases of 2,000. Check for availability.

ITEM	NAME	SIZE	UNITS/PACK	PACKS/CASE	UNITS/CASE
1.5" Mini -Blocks	Delta MM 40/40	1.57" Square x H 1.57"	45	50	2250
2.0" Mini -Blocks	Delta MM 50/40	1.97" Square x H 1.57"	24	60	1440



Mini-Blocks are easy to use when starting from seeds and cuttings. These Mini-Blocks are individually wrapped in plastic to protect the roots from light, packed in tear-away strips, and labeled with simple instructions. Mini-Blocks can sit in a tray (flat) without support or on the mesh platform side of the Gro-Smart tray. As the plant grows, either remove the wrapping and transplant into any loose media like GROW-CUBES or leave the wrapping on and set it on top of a larger GRO-SLAB.

GRO-BLOCKS™

Numerous sizes meet your planting needs.

NAME	SIZE OF BLOCK	HOLE OR NO HOLE	BLOCKS/PACK	PACKS/CASE	BLOCKS/CASE
Small 3"	3" x 3" x 2.5"	Hole and No Hole	8	48	384
Large 3"	3" x 3" x 4"	Hole only	8	32	256
Small 4"	4" x 4" x 2.5"	Hole only	6	36	216
Medium 4"	4" x 4" x 3.1"	Hole only	6	30	180
Large 4"	4" x 4" x 4"	Hole only	6	24	144
HUGO™	6" x 6" x 6"	Hole only	1	-	48
BIG MAMA™	8" x 8" x 8"	No Hole	1	-	18



GRO-BLOCKS are like plant containers. If you would typically need a 3" pot for your plant, then choose a 3" GRO-BLOCK. Many plants can be fully grown in larger GRO-BLOCKS. Holes are cut to accommodate a 1.5" A-OK starter plug or a MACROPLUG. The GRO-BLOCK packaging label displays easy-to-use instructions. Most Grodan Stonewool is shrink wrapped with clear film for handling comfort. Some products may also be available in your area without the clear film. Ask your supplier for availability.

To minimize algae growth either utilize proper water management or use a block cover such as a coco cap. Caps can effectively alleviate algae growth while still allowing for the evaporation process. Coco caps can be effective for top watering and drip irrigation without impeding saturation. Using drip irrigation enables better water management and results in a more active plant.

FULLY SATURATE GRO-BLOCKS WITH PH 5.5 WATER. WAIT A FEW MINUTES. NEXT, USING DRAIN-TO-WASTE, SATURATE THE GRO-BLOCK WITH SAME NUTRIENT SOLUTION USED ON THE PLANTS TO BE TRANSPLANTED.



GRO-SLABS™



ALWAYS FULLY SATURATE GRO-SLABS WITH PH 5.5 WATER. WAIT 15 MIN. NEXT, USING DRAIN-TO-WASTE, SATURATE THE SLAB WITH SAME NUTRIENT SOLUTION USED ON THE PLANTS TO BE TRANSPLANTED.

Used extensively in commercial greenhouses.

NAME	SIZE OF SLAB	SLABS / PACK
GRO-SLAB 6" **	6" x 3" x 36"	12
GRO-SLAB 8" **	8" x 3" x 36"	12
GRO-SLAB 6" Fat	6" x 4" x 36"	9
GRO-SLAB 12" Slab (wettest)	12" x 3" x 36"	12
Uni-Slab™	8" x 4" x 9.5"	16



** May be available in a 40" length, which are more suited for certain vertical systems. Please ask your supplier for details.

GRO-SLABS provide the final stage for growing a large plant. Transplant a well-rooted GRO-BLOCK plant onto a slab just like professional growers. GRO-SLABS are packaged in biodegradeable, UV-resistant sleeves (designed to stay on during the growing process) for comfortable handling and algae prevention. The Uni-Slab was designed for a single plant, but can also accommodate several fresh herbs or salad greens.

Grodan GRO-SLABS were previously available in two different rockwool weaves; vertical fibers (previously called Expert) and horizontal fibers (previously called Classic). All Grodan GRO-SLABS in the platinum packaging have vertical running fibers except for the 12" GRO-SLAB – which has horizontal fibers. The vertical fibers allow for faster drainage (drier slabs) than the horizontally run fibers (wet slabs). The rockwool inside the newly packaged Grodan GRO-SLABS are the next generation Expert GRO-SLABS which are up to 5% dryer. This slight adjustment in the Stonewool weave has proven to improve overall yield in commercial greenhouse growing.

LOOSE STONEWOOL

Versatile GROW-CUBES™/GROW-CHUNKS™ achieve better results.

NAME	CUBIC FEET	WEIGHT	BAGS/CASE	FILL 1 GAL. POT*
GROW-CUBES - Medium bag	1 Cu. Ft. (28.3 L)	2.28 lbs	6	Approx. 10
GROW-CUBES - Large bag	2.0 Cu. Ft. (56.6 L)	5.0 lbs	3	Approx. 22
GROW-CUBES - Loose in box	5.29 Cu. Ft. (150 L)	20 lbs	1	Approx. 69
GROW-CHUNKS - Large bag	2.0 Cu. Ft. (56.5 L)	5.0 lbs	3	Approx. 22



NOTE: A standard one-gallon nursery pot only holds 88 fl. oz., not a whole gallon.

GROW-CUBES are loose .4" square cubes of stonewool. Advantages include better aeration, maximum drainage (minimizing the possibility of over-watering a plant), easy mixing with other loose media (such as expanded clay rocks and soil), lightweight and much cleaner than peat-based media. GROW-CHUNKS are a larger version of GROW-CUBES, sized at .8" square.



Scan this code to watch an "Independent Review" video on GROW-CUBES.

GRO-WOOL™ makes outdoor gardening easy.

NAME	VOLUME	WEIGHT
GRO-WOOL (Absorbent Granulate)	3.5 Cu. Ft. (99L) compressed	45 lbs

This exceptionally economical product is an excellent choice for outdoor containers or raised garden beds. GRO-WOOL works well on its own or mixed with other loose media such as expanded clay pellets and soil.

