



grodan®



grodan

pro the new seeding
plug with the
revolutionary
Vision technology

Improved
germination
and better plant
quality reduces
losses by up to

20%

New from Grodan:
Grodan Pro, the
plug based on the
revolutionary Vision
technology. Grodan
Pro will radically alter
your ideas about
propagation. This is
because Grodan Pro is
not just a new plug, but
an entirely new concept.

A concept that has been
redeveloped from the
very basics. The improved
germination and uniform plant
development result in higher
transplant quality, with losses
reduced by up to 20%.
In addition, the plug makes
more efficient use of water as
100% recycling on the wetting
line is now feasible.

During its development
Grodan listened closely to
the wishes of propagators',
the outcome is "Vision
technology", a technology so
new that it pushes existing
boundaries to a new level. The
new plug is characterised by
its brown colour as new raw
materials have been used in the
production process, which have
considerably improved the
reliability of the Grodan Pro.



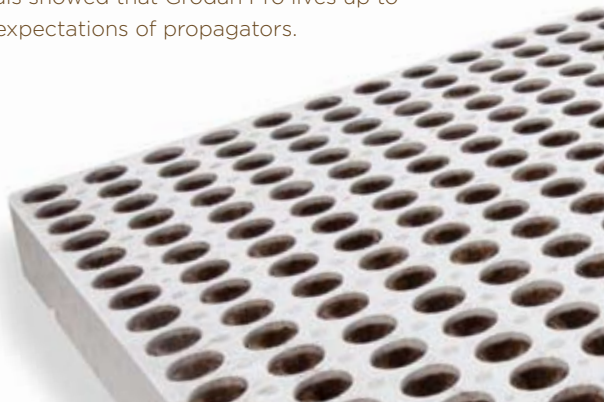


Seed germination is improved and young plant quality is distinctively better. The plug offers one other major advantage: it is firmer and retains its structure when handled by machinery, which makes Grodan Pro ideal for use in automated systems. All these benefits make the new Grodan Pro the perfect way to introduce Precision Growing to your nursery: control is now firmly in your own hands at every stage from seeding to delivery.

Vision technology pushes back boundaries

■ The basic principle behind the new Vision technology was Grodan Next Generation technology.

The knowhow acquired in developing substrate blocks and slabs was combined with the latest insights in the field of high-grade stone wool products. Extensive trials preceded the technology's introduction. Those trials showed that Grodan Pro lives up to the high expectations of propagators.



The ideal plug for propagators

As a propagator you will naturally place high demands on your seeding plugs: high germination percentage, uniform seedling development, maximum plant quality, optimal ease of handling and maximum contribution to sustainability. The new Grodan Pro excels in all these aspects and the benefit is that the percentage of useable transplants will be significantly higher. Trials also reveal a higher germination percentage and greater uniformity between individual plants!



5 The added value of the
revolutionary Vision
technology
pros



Pro 1: Higher germination percentage
The stable structure and more uniform dimensions of the plug optimise the sowing process.

Less seed will be wasted: each seed rolls easily into the centre of the plug, because of the improved shape of the seed hole: a feature that also saves labour on the seeding line as fewer plugs will have to be filled by hand. This all promotes uniform germination, undisturbed plant growth and ultimately results in more seedlings that you will be able to transplant.



**Pro 2: Greater plant
uniformity**
**Thanks to their
identical height,
the uniformity
between plants
has significantly
improved.**

As the seeds are correctly centred in the plug, each seed can easily root, which results in fewer twisted seedlings. The root tips can easily penetrate the plug, resulting in uniform emergence. The subsequent root formation will also ensure that the seedlings are firmly anchored: the perfect guarantee for uniform plant development.

The Grodan Pro

plug

**increases the
number of usable
transplants**

**Pro 3: Better
plant quality**
Vision technology
facilitates undisturbed
growth and better
plant control.

The effects of the favourable air/water ratio are uniform growth (so less risk of peripheral effects in individual trays). The uniform decrease and resaturation allow maximum WC control, enabling the plants to develop more vigorously. This ultimately produces a higher number of top quality, usable transplants and a higher uniformity between the individual plants.





Pro 4: Fewer losses during automated processes

The application of the Vision technology increases the stability of the plug and makes automatic processing easier if a selection machine is used.

The uniform dimensions and increased volume enable the plugs to be removed from the trays and replaced with ultimate precision. Therefore, during the selection process transplant loss will be minimised and the quality of the plants that are transplanted into the block will be improved!



Pro 5: Paves the way to more sustainable cultivation
Grodan Pro not only optimises your cultivation results, it also contributes to enhancing the sustainability of the propagation process.

The new Grodan Pro absorbs water quickly, resulting in a uniform distribution of water and EC. This even distribution of water ensures optimum contact between the water and the seed, which minimises seed losses. The uniform decrease and resaturation allow maximum control of WC, enabling the plants to develop vigorously. This leads to more efficient use of water and lower costs. Using the possibility to recirculate your water 100% will give you even more benefits.

100%

**recirculation of water
represents substantial savings
on the costs of water and
fertilizer**

Your benefit: more usable transplants

■ **When you use the revolutionary Grodan Pro, you will obtain a higher percentage of usable transplants.** And those higher yields translate into major cost savings for you, as less seed will be required. Reduced transplant losses will also mean you will need fewer plugs and trays. In addition, as there will be fewer plants that need to be raised, you will also require less valuable space. Just count your profits.



THE
gro
TEAM



For more
information: scan
the QR code



“Up to
20%

**less loss
with the
revolutionary
Vision
technology”**

Richard Technical Advisor

Grodan will gladly support you

■ **Developing an optimum product is all very well. That's what Grodan has already done with its Grodan Pro based on the Vision technology.**

But that's not enough for Grodan. We also want to offer you the very best support available to make the most of your new plugs. You can rely on the technical advisors of Grodan for all the help you need!



All our information and advice is compiled with the greatest possible care and in accordance with state of the art technology. However we are unable to assume any liability for the contents – June 2011



Grodan
PO Box 1160
6040KD Roermond
The Netherlands
T + 31 475 353020
F + 31 475 353716
www.grodan.com

Grodan is part of
Rockwool BV