

factsheet grodan pro plug



Grodan is introducing the Grodan Pro plug, the first success story of the new and revolutionary Vision technology. A new seeding plug with impressive results: the loss percentage is reduced by up to 20% thanks to improved germination and higher transplant quality. 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.

The Grodan Pro excels in:

1

Higher germination percentage

2

Greater plant uniformity

3

Better plant quality

4

Improved ease of handling

5

Sustainable water and nutrient consumption

1

Higher germination percentage

Improved sowing process The improved shape and depth of the seed hole ensure that each seed rolls easily into the centre of the plug. Correctly centred seed runs a lower risk of dehydration and can be covered with an even layer of vermiculite.



Better centred seed Fewer empty plugs means less manual filling afterwards. The brown colour of the mineral wool makes it easier to detect and correct any 'double seeds'.



The perfect germination environment

The central position of the seeds in the seed hole gives optimal contact with the stone wool so the seeds can easily absorb enough water. The seeds can grow undisturbed in the Pro plug and develop into healthy young plants.



2

Greater plant uniformity

Improved uniformity of plugs The Grodan Pro offers greater dimensional stability, while the uniformity between the individual plugs has significantly improved.

Uniform rooting Better germination ensures that the seedlings root quickly and anchor well into the centre of the plug leading to greater uniformity in plant development.



Fewer twisted seedlings As the seeds are correctly centred in the plug, each seed can easily root, which results in fewer twisted seedlings. (Extreme root formation will otherwise force the seedlings out of the plug).



3 Better plant quality

Undisturbed growth The uniform WC and EC distribution in the plug result in better root formation and more uniform plant growth.

Superior water properties The Vision technology facilitates superior water and air management, which results in a better distribution of water and EC throughout the entire plug.

Better plant control The improved water distribution in the plug means that the moisture content decreases more evenly, so propagators can wait longer before starting the next irrigation cycle.

The uniform water distribution gives less risk of peripheral effects in individual trays.

4 Improved ease of handling

Improved firmness The improved firmness and greater height help retain the structure and stability of the plug even after it has been handled several times during automatic processing.



Uniform dimensions The stable shape enables the plugs to be removed from the trays and replaced with ultimate precision during selection.



Higher volume The height of the plug is now 27 mm, this increased volume is beneficial for plant growth in the Pro plug. During plant selection, fewer losses occur and the plants for transplantation into blocks maintain their maximum quality.



5 Sustainable water and nutrient use



Reduces water consumption and fertiliser use The larger volume means that the absolute water content of the plugs is higher, so that propagators can wait longer before irrigating again. The result is more efficient use of water and lower costs.

100% recycling of drain water The discharging of drain water is being subjected to increasingly stricter regulations, but thanks to Vision technology the drain water from the Pro plug can be 100% recycled.

Enhanced cultivation results A higher germination percentage in all crops and a higher percentage of class 1 and 2 plants (after selection) results in a higher number of usable transplants.



Passionate about Precision Growing



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