

OptimaXX

For optimal
results

Cultilene 
a Saint-Gobain company

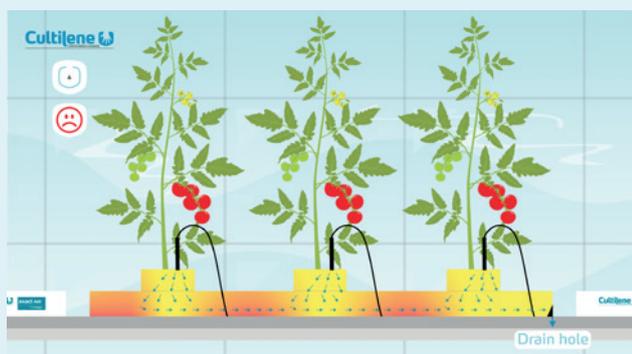
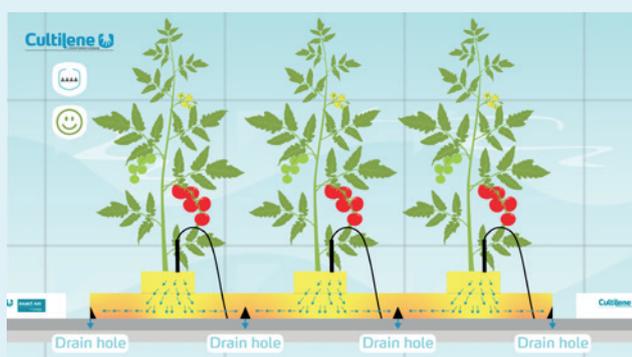
optimax
 fibre
TECHNOLOGY

Cultilene 
rootmax **Cultilene** 
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rootmax



OptimaXX perfect uniformity

Cultilene OptimaXX is a stone wool slab made on the basis of **X-fibre technology**. Instead of the usual horizontal or vertical fibre direction, the fibres are laid in all directions in the substrate with this technique. There are two advantages to this: rapid rooting in the vertical fibre direction and better root penetration of the substrate volume in the horizontal fibre direction. OptimaXX gives perfect control and even distribution of the water content and EC throughout the slab. In addition, the slab guarantees good controllability.



Number of drain holes: effect on EC

The diagrams alongside show that a greater percentage of drain holes ensures an even distribution of the EC. The upper slab profile shows that the EC is more uniform because the excess elements can leave the slab in several places. In the lower slab profile, the excess elements on the left side and between the cubes cannot leave the slab. As a result, the elements accumulate, causing the average EC to rise.

Scan the
QR code for
the FREE
whitepaper



Why Cultilene OptimaXX?

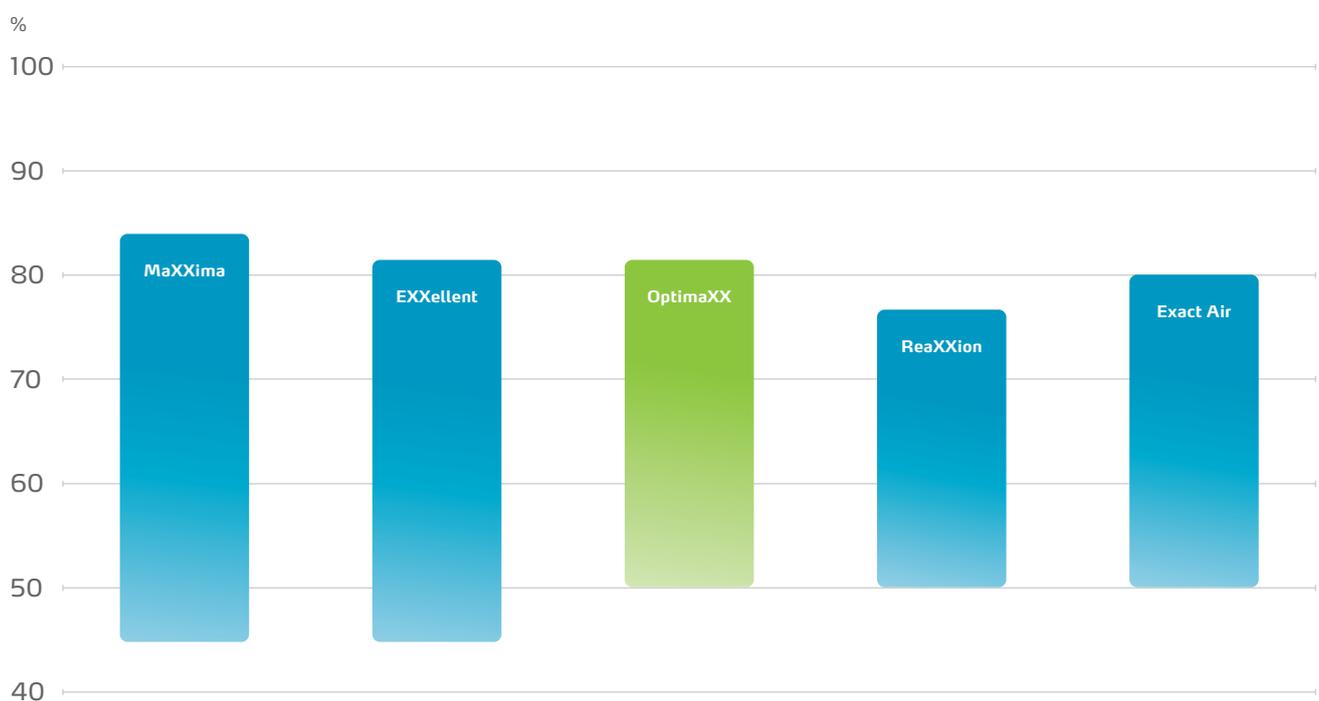
- ✓ Good distribution of water and EC
- ✓ Quickly adjustable water bufferr
- ✓ Perfectly controllable EC
- ✓ X-fibre structure



More choice in the control range

Cultilene has a wide range of substrate slabs. Which slab you choose depends on a combination of factors, such as the capacity of the irrigation system, the irrigation strategy, the profile of the surface and the type of crop. The graph below shows the control range per type of slab. Each slab type has its own control range. Depending on the customer's wishes, a slab with a larger or smaller control range can be chosen. This allows the water content to be controlled as optimally as possible.

The control range



Smart Root Zone Management

“Cultilene Cares” which is why we have developed Smart Root Zone Management. This model is made of three pillars to continuously optimize your crop by focusing on the root zone. This also relates to “Plant Empowerment” which is to optimize production, minimize inputs and keeps plants in balance. The three pillars are:



FRAMEWORK

is a detailed guide to get optimal use from your Cultilene substrate during your crop. Here you will find day to day advice for the whole season.



OUR PEOPLE

are professionals who would like to share their worldwide acquired knowledge to bring your production to a higher level.



CULTIWATCH

is a sensor platform that helps you monitor your root zone and make adjustments faster.



CONTROLLABLE WATER BUFFER WITH THE FOLLOWING CHARACTERISTICS:

PARAMETER	
Time required to sink	RHP Class 1 (< 25 sec)
Nominal water content – at drainage	90%
Nominal water content – pF1	55%
Control range*	50 - 80%

*Indication of average values in practice.

The RHP standard applies to the minimum values.

Curious about what the **OptimaXX slab** can do for you? Get in touch!

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