



Advanced crop production systems For true sustainability and efficiency

Wageningen UR Greenhouse horticulture



Ranging from total concepts to small improvements, the innovations in cultivation and production systems offered by Wageningen UR save on labour costs and increase the efficiency and sustainability of companies. Our solutions support businesses in their operational management, ensuring that they can perform to the best of their ability in terms of both quality and quantity.

Wageningen UR Greenhouse Horticulture develops concepts and integrated designs for greenhouse horticulture systems such as mobile and substrate-free systems, innovative greenhouses and systems for the early detection of plant pathogens in crops.

We also focus on smaller parts of production and selection systems. This includes, for example, developing innovative sensors, sensor networks, robots and systems for vision and phenotyping that can be applied in plant production and plant

breeding. We work closely with companies in horticulture, the supply industry and producers of high tech systems, and test our innovations together with them.

When developing new concepts, Wageningen UR Greenhouse Horticulture thinks beyond the borders of individual horticultural firms. We study, for instance, how clustering companies and combinations with other functions can contribute to sustainable innovations. This also includes looking at ways of linking companies to and integrating them within an (urban) environment. As a result we make a major contribution to a sustainable horticultural sector with a strong international competitive position.



For more information about our research and services:

Wageningen UR Greenhouse horticulture

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