

Protecting Limited Irrigation Water Supplies and Improving Water Quality



Prominent Grevelingen: Runoff or rainwater storage basins are a critical source of irrigation water for greenhouses and open-field cultivation. Prominent Grevelingen, a large-scale greenhouse facility in the Netherlands, relies on its water storage basin for irrigation.

The Challenge: Over the past decade, growers have struggled with decreasing water availability and quality. With increased global temperatures, irrigation water quality decreases, promoting bacteria and algae buildup. At Prominent Grevelingen, the team relied on annual chemical dosing and the use of hydrogen peroxide on the facility equipment to eliminate pathogens and algae.

Our Solution: Moleaer's Clear™ nanobubble generator offers a chemical-free, cost-efficient, sustainable solution to improve water quality and prevent algae growth in water storage basins. It also has proven to reduce pathogens like Pythium and Phytophthora by as much as 90% and remove and prevent biofilms from surfaces.

Results: Since installing Moleaer's Clear™ nanobubble generator, Prominent Grevelingen has eliminated the need for dosing the basin with hydrogen peroxide, and reduced operational and maintenance costs, including reducing the frequency of changing biofilters and the use of hydrogen peroxide for cleaning **by 50 percent**.

