

# Space-saving water storage in greenhouses

Genap



In horticulture, where every square metre counts and effective water management is crucial, efficient water storage systems play a key role. Strategic use of available space allows for significant amounts of water to be stored within the confines of the greenhouse.

## Possible solutions

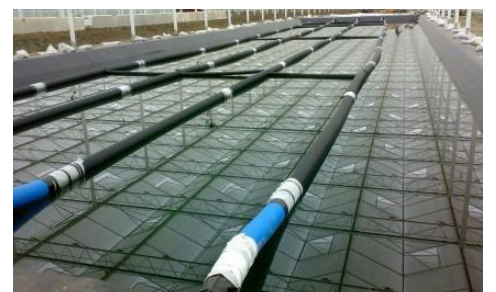
- Underground storage: Water is stored in underground reservoirs, leaving above-ground space available.
- Water reservoir under cultivation tables: Reservoirs placed directly under cultivation tables collect excess irrigation water, allowing for water reuse and valuable space saving.

## Dual-function water storage

The stored water serves not only as an irrigation source but also as thermal mass. During the day, the water absorbs heat, helping to stabilise the temperature within the greenhouse. At night, this heat is gradually released, contributing to a warmer greenhouse environment. This process of heat absorption and release is essential for temperature regulation and results in reduced energy consumption.

## Benefits

- Space saving: Integrating water storage into the greenhouse structure saves valuable space that would otherwise be used for external storage.
- Water saving: Capturing and reusing rain and irrigation water leads to significant savings.
- Energy saving: Using water as thermal mass reduces the need for artificial heating and cooling.



## Would you like more information?

Go to [genap.com/en](https://genap.com/en) or contact us directly to discuss the options.

