

# Horti Solutions

## Analyses to tackle all your growing challenges

What do you know about the quality of your process water or the composition of the substrate? Are there any pathogens in your greenhouse? Testing gives you the answers and the insight to make better growing decisions.

With a complete package of sampling, innovative analysis and clear advice, Eurofins Horti provides the information you need to optimise your growing operations, so you can improve your bottom line.

*‘Optimise growing conditions to achieve the best yield and quality.’*

### **Water analysis**

Understanding the chemical and biological composition of water is essential for optimal growth and a healthy crop. Eurofins offers a broad range of analyses that give you information on the quality of your water.

### **Soil and substrate**

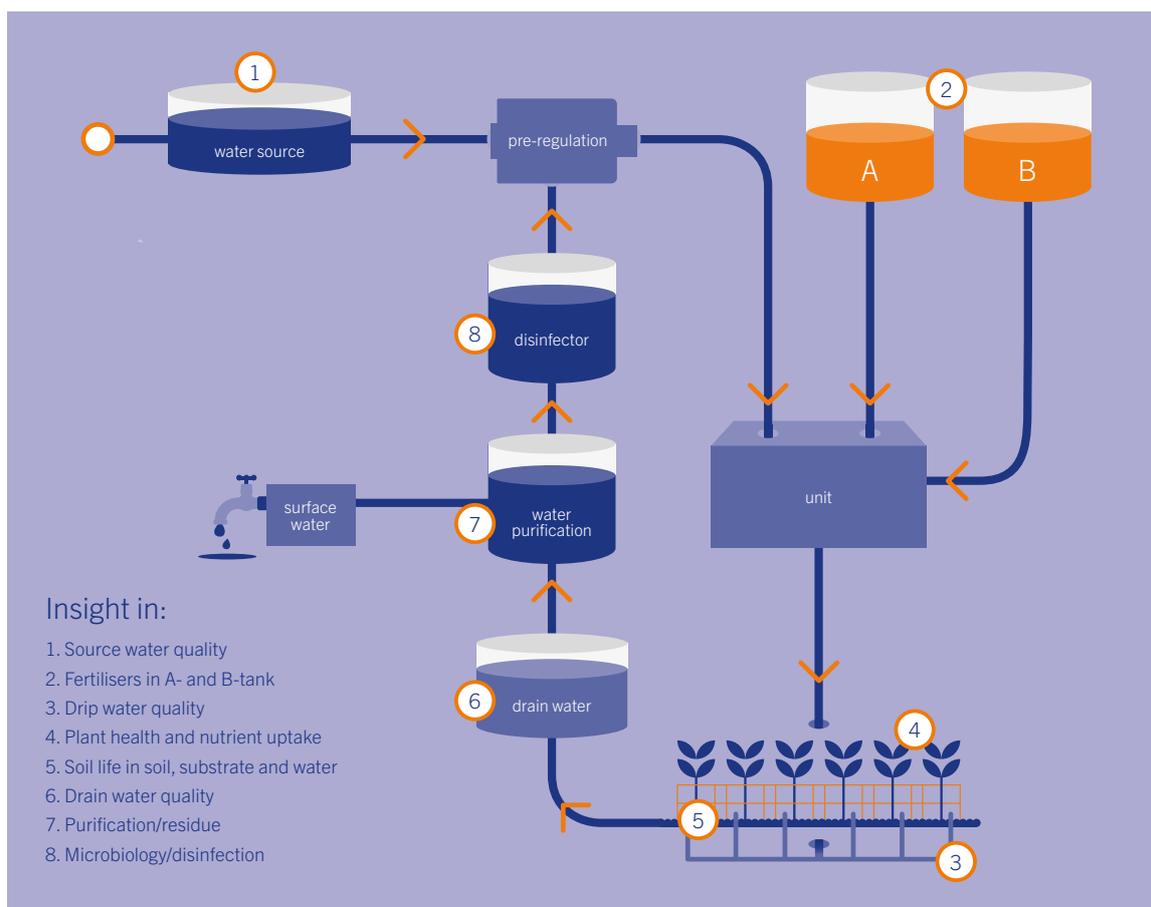
The condition of the soil and substrate must be in order. Does it need to be fertilised, and if so, with which fertiliser? What is the level of organic matter in the soil? And what soil life is present?

Testing provides you with necessary information on the condition of the soil and substrate.

### **Plant health**

Attention to plant health is becoming increasingly important. Plant Doctor can diagnose the cause of any damage, while DNA Multiscan can detect fungi and bacteria in the greenhouse at an early stage.

If the crop is infected with a virus, the ELISA test helps to identify the nature of the virus.



### EUROFINS OFFERS A COMPLETE PACKAGE OF ANALYSIS FOR GREENHOUSE HORTICULTURE:

#### Input water, drain water and drip water 1, 3, 6

- pH, EC, main elements and trace elements
- Pesticide residues
- Heavy metals
- Fungi and bacteria (DNA Multiscan, aerobic bacteria count, total number of fungi)
- E. coli for GLOBAL G.A.P.
- Methane
- Dripper blockage analysis

#### Fertilisers 2

- Content of A- and B-tank for pH, EC, main and trace elements
- Precipitation analysis
- Composition of pure fertilisers
- Heavy metals

#### Plant material (leaves, vegetables, fruit) 4

- Main and trace elements (CropCheck)
- Main and trace elements (PlantsapCheck)
- Crop health (PlantDoctor, DNA Multiscan, Microbiome via NGS)
- Pesticide residues
- Heavy metals
- Human pathogens

#### Substrate (compost, coir, etc.) 5

- pH, EC, main elements and trace elements (Potting SoilCheck)
- Physical analysis
- Fungi and bacteria (DNA Multiscan)
- Nematodes
- Human pathogens
- Other analyses for RHP certification

#### Greenhouse soil 5

- Direct available main and trace nutrients, pH, EC (Greenhouse SoilCheck)
- Soil stock nutrients, organic matter, CEC, pF-curve, structure, texture and soil life (Greenhouse SoilStock)
- Fungi and bacteria (DNA Multiscan, Microbiome Analysis via NGS)
- Nematodes

#### Water purification 7

- Pesticiden, residues

#### Disinfectant 8

- Aerobic bacteria count, total number of fungi (DisinfectantCheck)
- Transmission value