



# Enhancing Irrigation Water Quality

## Advanced Applications of Chlorine Dioxide in Water Treatment by IWS

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# About IWS

UK manufacturer and **water treatment company** focused on environmentally friendly solutions

75+ years of combined expertise across a team of chemists, environmental specialists, and water treatment experts

Servicing sectors ranging from agriculture and food production, to healthcare and wastewater

Renowned for exceptional customer service

Recognised members of esteemed organisations such as the *Drinking Water Inspectorate*, *UK Water Management Society*, *Legionella Council* and *National Biofilm Innovation Centre*



Defra



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# The Importance of Clean Water in Horticulture

- **Preventing Contaminants**

Contaminants can stunt plant growth, reduce yields, and in severe cases, kill the plants.

- **Improving Growing Conditions**

Treated water ensures a consistent quality of water, providing stable and ideal growing conditions for plants.

- **Efficient Water Use**

Treated water is often more efficiently utilized by plants, reducing wastage and conserving water resources.

- **Preventing Clogging and Corrosion**

Untreated water can contain sediments, algae, or other materials that can clog irrigation systems preventing even water distribution.

- **Disease Prevention**

Treatment helps remove pathogens that could cause plant diseases. Healthy water reduces the risk of disease outbreaks in horticultural systems.

- **Meeting Standards**

Treating water ensures compliance with regulatory standards, avoiding potential legal issues and ensuring safe, high-quality produce.

# Understanding the Waters Journey

Source of water

How can it get contaminated?

Underground pipework

Bacteria

Mineral

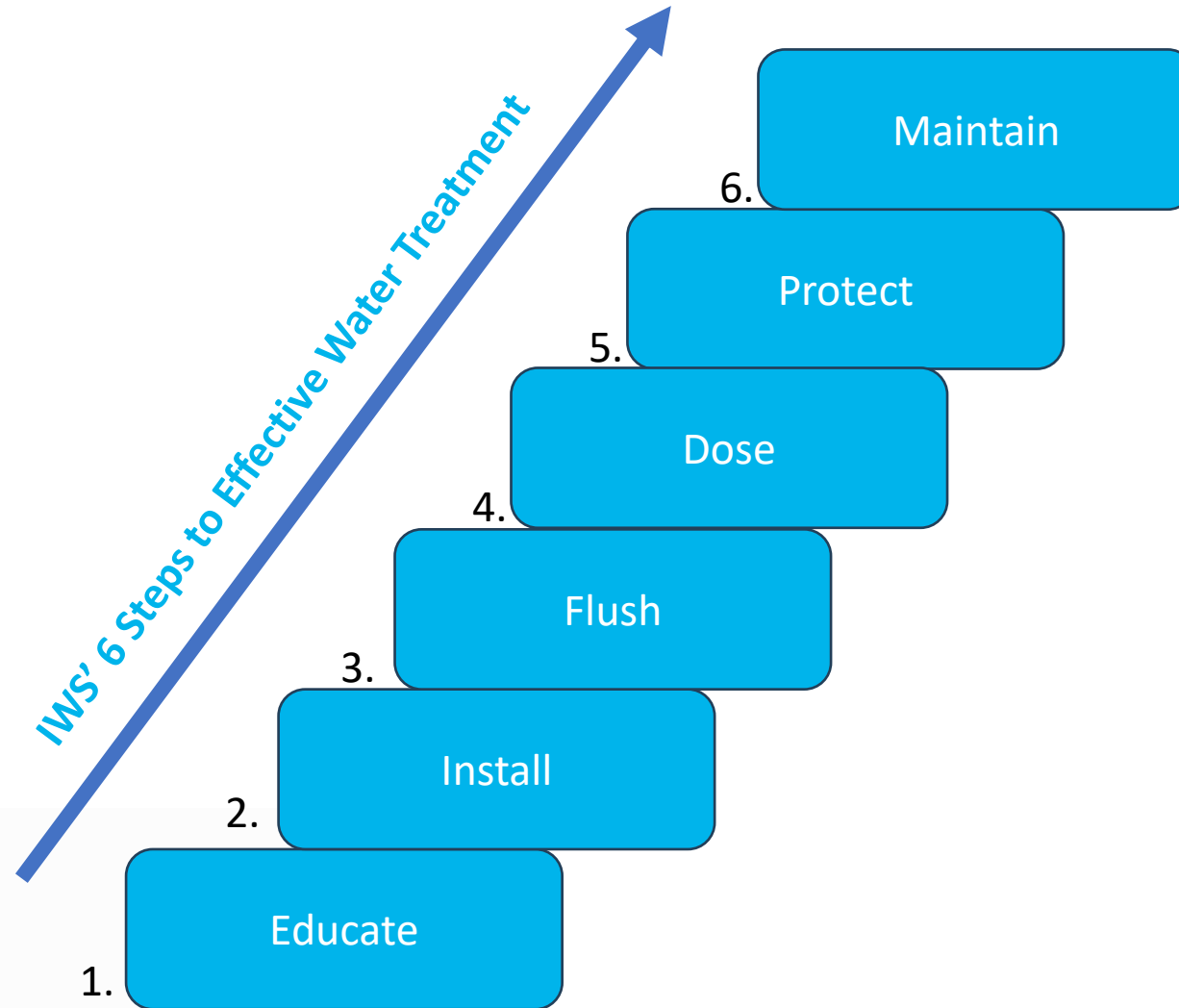
Additives

To treat before or after storage?

Recirculation of water



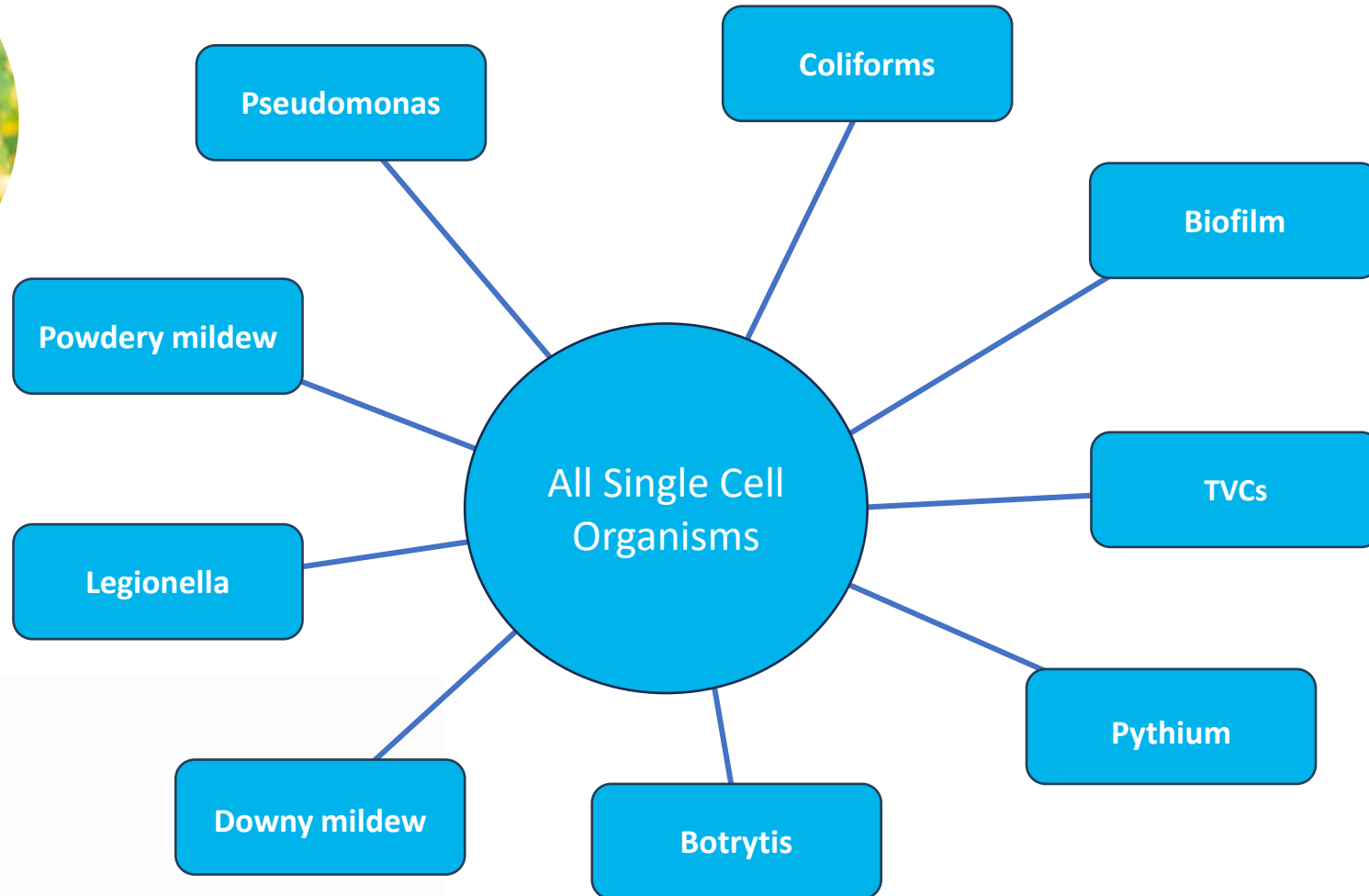
# How We Do Water Treatment



# What is XZIOX<sup>®</sup>?



# XZIOX<sup>®</sup> is effective against...

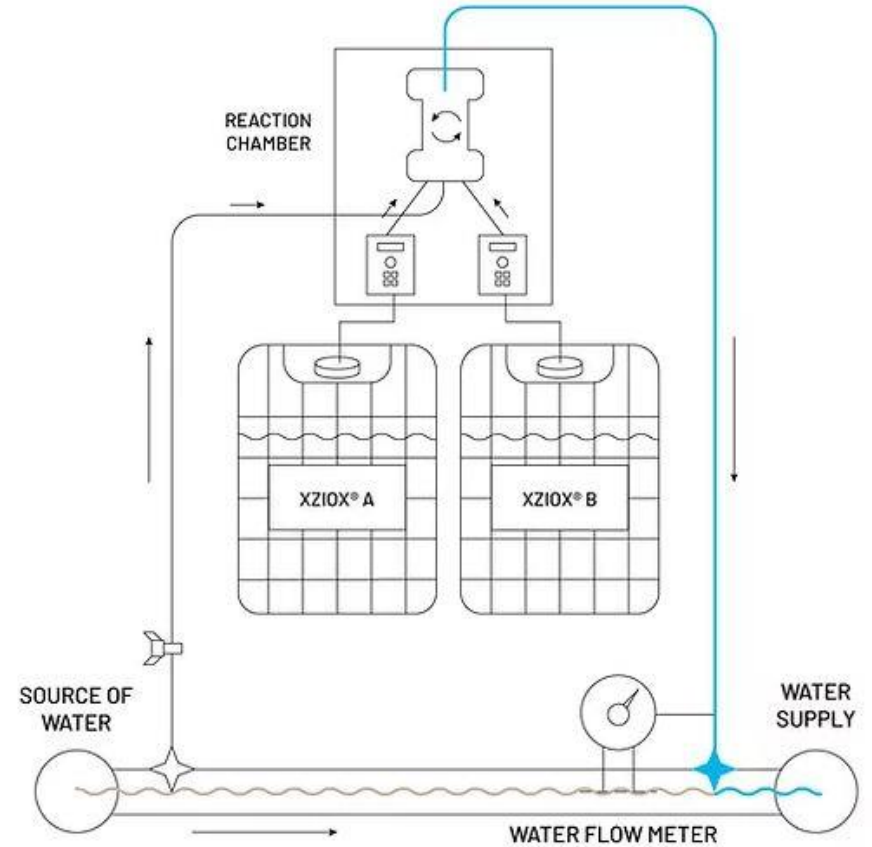


# IWS ALS Precise Dosing System



## Key benefits:

- Precise dosing
- Remote access from any device
- SMS alert system
- Treats high pressured water
- Chemical, pH and residual monitoring
- Full service package
- Free water samples



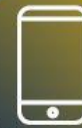


# The Oracle Online Portal

## Anywhere, Any Time



Take control of your water treatment with real time data that allows you to understand your site better and make data driven decisions.



### Any Smart Device

Presentations are tools that can be used as lectures



### Real Time Data

Presentations are tools that can be used as lectures

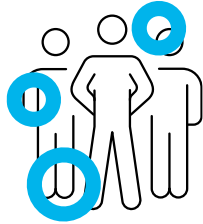


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# Approvals and Accreditations



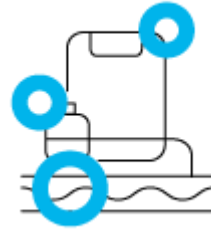
# What You Can **Expect** From IWS



Experienced and qualified  
service engineers

Dedicated account  
managers with irrigation  
experience

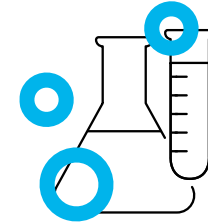
Response within 24hrs;  
actioned within 48hrs



Regular water monitoring

Health and safety protocol  
audits conducted every six  
months

Maintenance of all dosing  
system parts



Water sampling sent to  
UKAS-accredited lab

All systems include lifetime  
warranty

Staff training on effective  
water treatment



*Thank you for your time*