

# Continuous Light Application (CLA)

FERTIJECT  
DOSING SYSTEMS



Save  
Water



Save  
Time



Save  
Money

## Healthy soils are the key to healthy turf.



Soil  
Wetter



Plant  
Nutrients



Bio  
Stimulants



Less  
Watering



Less  
Fertiliser



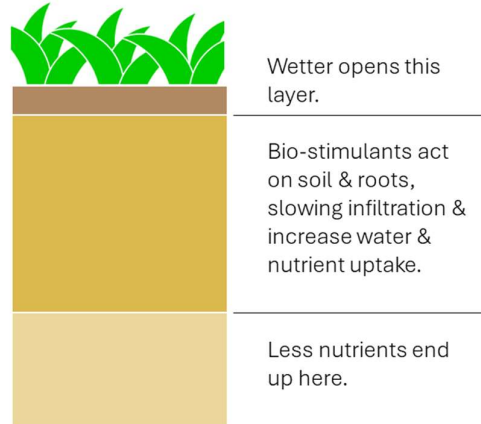
Less  
Mowing

## Benefits of continuous light application (CLA).

If you grow turf or other plants in sandy soil, then you understand just how hard it is to get any moisture retention at all and to stop precious water and nutrients from simply washing away.

Continuous light application of wetter and bio-stimulants ensures water and nutrients can enter the soil, and slows the infiltration rate, allowing the plant time to access them.

It also reduces fluctuations from slow to peak growth, in turn lowering mowing costs, improving overall soil and plant health and keeps your turf looking great!



## Soil wetters

Wetting agents do a couple of things in the soil, they help break down waxy organic residues, also they break the surface tension of the water, allowing it to penetrate dry soils.

Most wetting agents are not long lasting and break down in reasonably short periods of time, continuous light application ensures they continue to work during peak irrigation season.

## Bio-stimulants

These powerful compounds improve soil structure by increasing soil porosity, water holding capacity, root penetration, reduce leaching, increase cation exchange capacity and retention of calcium, overall improving the soil's structure for the long term.

They also act on the soil's micro fauna, the increased microbial activity improves the plant's ability to form healthier stronger roots, enlarges root mass and boosts water and nutrient uptake and makes the plant more resilient to stress such as drought or disease.

## Fertilizer

Applying fertilizer via an irrigation system reduces the amount of bulk product required as less than half of dry applied fertilizer gets to the plant.

And because it's already in solution and doesn't have to wait for moisture to break it down that all the nutrients delivered by continuous light application is available to the plant the moment it is applied.



Without  
LCA.

With  
LCA.



## How it works.

The Ferti▶Ject CLA dosing pod works by continuously introducing small amounts of product such as wetting agents, bio stimulants, fertiliser or other trace elements into your irrigation system.

- Inject commercially available blends.
- Proportionally inject individual products.

## East to install.

Our system comes as a pre-packaged, ready to install pod that simply bolts down on-site, seamlessly blending into open spaces or garden beds.

- Standard pod houses a single 1000ltr shuttle, and multiple 20ltr drums.
- Custom solution for more challenging sites.

Generally only requiring a single injection point, the onboard metering pumps accurately dose product into the irrigation system.

## Plugs into your irrigation system.

If you have a suitable existing control system, then the CLA pod can be remotely activated, with pre and post flush cycles set up in the host controller.

Simple scheduling or advanced irrigation management is easily handled by the on-board cloud-based control system.

## On-board management.

The Ferti▶Ject CLA dosing pod is equipped with its own cloud-based management system that takes care of most operation functions including;

- Low storage levels.
- System Alarms.

## Integrate with soil probes.

Data from soil probes can be collected by our on-board system and used in decision support for better turf management, some of the parameters that can be collected include;

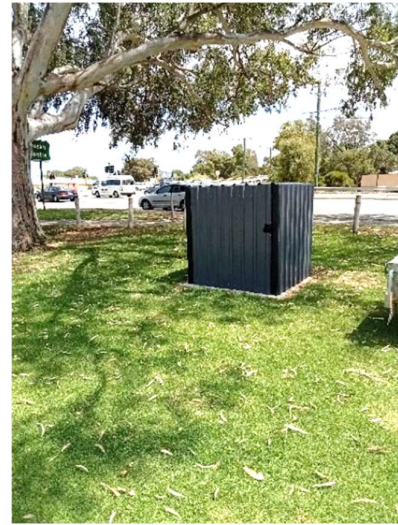
- Moisture & Temp.
- pH & EC.
- Macro nutrients.

## Talk to us.

Ferti▶Ject specialize in nutrient delivery systems and can customize our solutions to suit your specific application.

- Design of custom systems.
- Integration with Central Control Systems.

Contact us for a free consultation.



Dosing POD installed in public park.



1000ltr IBC and Metering Pump.

# We love living here,



## Let's make sure our kids can too!

At Ferti▶Ject, what motivates us is our **passion** for our planet and the amazing **diversity** of life that exists upon it.

If we are to **conserve** and repair our **environment**, then we must develop and deploy **sustainable solutions** to shelter, clothe and feed our global population..., quickly.

We think **water** is the key to this solution.

It's how use and reuse water that is the **challenge**.



**Ferti-Ject Dosing Systems**

Developed in Western Australia

☎ 0459 478 886

✉ sales@ferti-ject.com

🌐 ferti-ject.com

FJ.01.005