

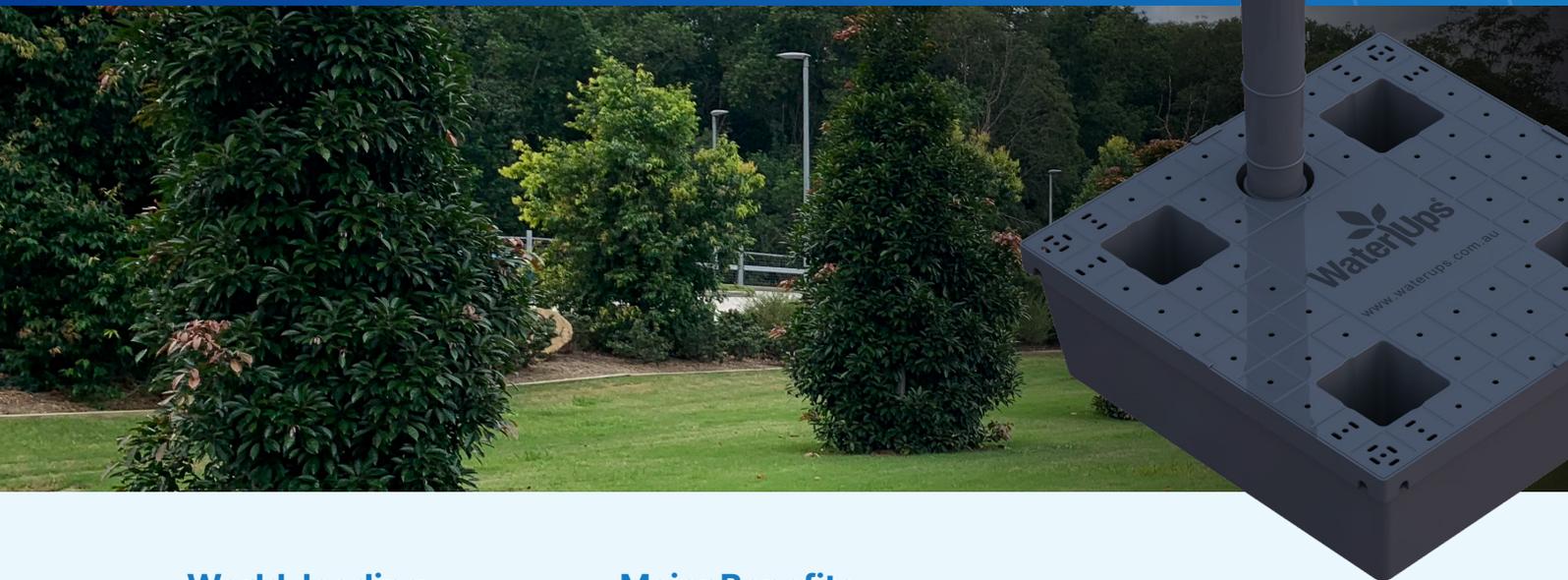
# WaterUps<sup>®</sup>

# Tree Reservoir

The WaterUps Tree Reservoir™ enables young trees to get off to the best start in life, creating strong deep roots to survive future extreme seasons due to climate change.

It's a game changer for tree planting programs, turbo-charging tree growth in every way, while saving up to \$580 per tree in maintenance costs in the first 18 months of a tree's life.

With millions of trees to plant to reduce future heat island impacts, the WaterUps Tree Reservoir is the holy grail for councils, developers and landscapers wanting to green cities, future proof communities and make lives more liveable.



## World-leading Wicking Technology

The solution incorporates our world-leading wicking technology to water plants from underneath, via an inlet pipe above ground, a water reservoir in the base and perlite that wicks water to the soil above. The Tree Reservoir will also capture rainwater, reducing watering requirements.

## Major Benefits

- **50%** increase in root growth in the first 3 months alone!
- **30%** increase in canopy growth year on year for the first 3 years  
→ Trees 2 x larger than trees not planted in our tree reservoir
- Save **90%** on plant stock. Younger, smaller stock can be used because they establish faster and better
- **75%** reduction in watering schedule for the first 18 months – save labour
- Up to **80%** less water usage than current above ground methods – save water
- **100%** Recycled Plastic and **100%** Australian owned and made
- Suitable for all tree species, works in poor / dry soil environments

# The Watering Solution



## The Watering Solution for Trees

The WaterUps Tree Reservoir uses an innovative wicking system to provide water underneath young plants so they will always have a regular supply of moisture at a depth of 450mm below the soil surface, encouraging roots down away from surface water.

The submerged underground reservoir is less affected by evaporation or surface level seepage, therefore the water lasts longer, requiring less maintenance trucks to visit and water trees.

Over time, the roots will grow around the reservoir and deeper, making the tree more stable and resilient, while still having access to a water supply 450mm below the surface.

The WaterUps Tree Reservoir is based on WaterUps wicking solutions first introduced in 2016, the benefits of which have been widely established via various field trials. See our website for details.

The WaterUps  
Tree Reservoir keeps  
young trees alive  
so they can thrive.



## Measurements / Materials

Measuring 400mm (w) x 400mm (d) x 130mm (h), with a 600mm inlet pipe the WaterUps Tree Reservoir is a compact, all-in-one unit that is easily deployable. It uses the rapid benefits of wicking to provide the optimal environment for growing trees in the ground.

Made from 100% recycled plastic, the WaterUps Tree Reservoir contains 1 wicking cell with 4 feet and holds 15 L of water that wicks to the soil above, providing optimal moisture where saplings need it the most. It can be installed up to 600mm deep in soil for a range of tree sizes.

The design includes an Anti-tamper Lid so only authorised personnel with a reservoir key can open the lid and add water and or nutrient solutions.





### What's Included in the Package

- 1 x WaterUps Tree Reservoir
- 2 x inlet pipes and connector
- 1 Anti-tamper Lid and 1 key
- 1 bag of perlite to use in the wicks



### See the Difference in Growth

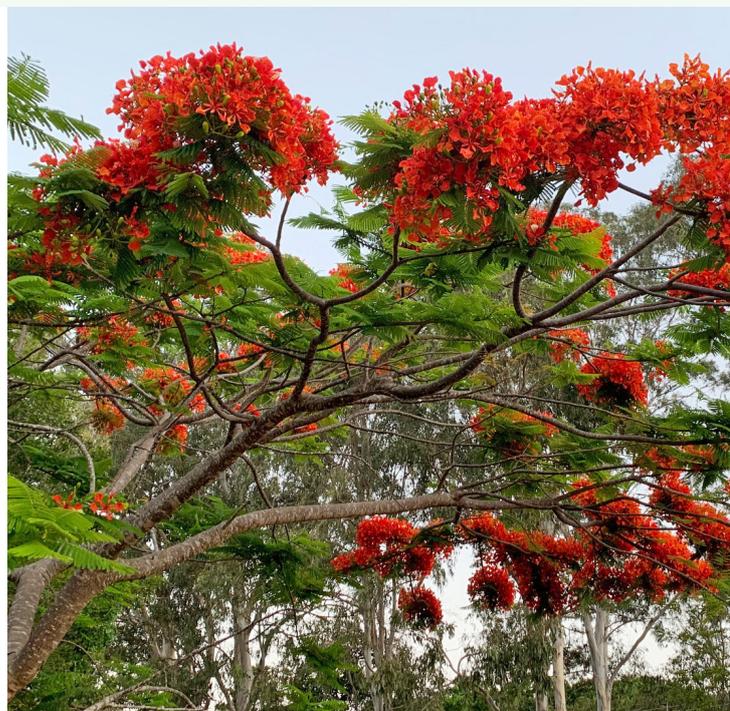
The WaterUps Tree Reservoir was tested through various trials in NSW and ACT over an 18-month period before being made commercially available.

In one side by side comparison of trees planted with WaterUps Tree Reservoir versus trees planted without, 2 of each tree were removed after 3 months to investigate root growth. The ones planted in WaterUps had more than 50% root growth.

### Incredible Savings

Young plants need regular water as their roots are close to the surface where evaporation is constant. Watering a tree via a watering truck costs around \$5 per tree in labour. In NSW, the government guidelines for a watering schedule are substantially reduced using WaterUps.

- 4 x weekly for the 1st month.  
**(WaterUps = 1 x weekly)**
- 3 x weekly for 2nd and 3rd months  
**(WaterUps = 1 x fortnightly)**
- 2 x weekly for the outstanding establishment period (15 more months)  
**(WaterUps = 1 x fortnightly)**

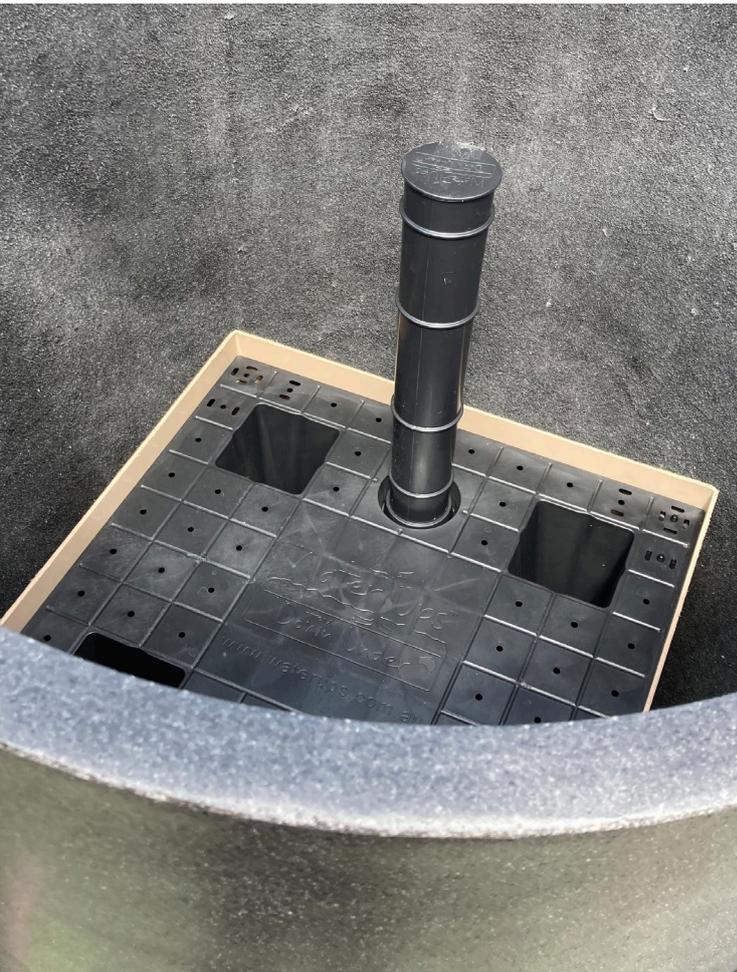


<b>COST SAVINGS</b> per TREE over <b>18-months establishment</b> .....	<b>\$585</b>
<b>WATER SAVINGS</b> .....	<b>942.5L</b>

## Use for these Applications

The WaterUps Tree Reservoir can be used for street and canopy trees, verge plantings, and transport corridors. With WaterUps, trees are healthier and more resilient, canopies more extensive and growth accelerated.

With a looming climate emergency, trees planted in the WaterUps Tree Reservoir can establish deep roots quickly to draw on deep moisture and to be more secure in heavy rain events. The WaterUps Tree Reservoir enables town planners, urban designers and landscape architects to deliver their vision for urban greening and tree planting projects – all while saving water and time (labour).



## Alternative Use – Planter Reservoir

The WaterUps Tree Reservoir is also a versatile solution for delivering the benefits of wicking, rapid growth, and optimal plant health to pot and planter installations.

**With no modifications, it can make self-watering planters out of:**

- Any square planter larger than 400 × 400mm
- Any round planters larger than 600mm in diameter

[waterups.com.au](http://waterups.com.au)

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