

Greenleaf Tree Pit Irrigation

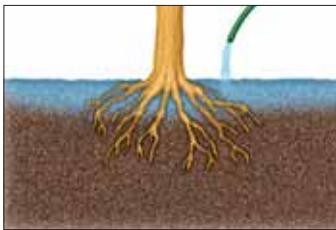
By far the biggest contributor to the high mortality rates suffered by urban trees is drought stress.

Water is vital for the growth of trees. It is not only required for all the biochemical requirements for growth photosynthesis, respiration and transport, but also mechanical support to leaf and stem tissue.

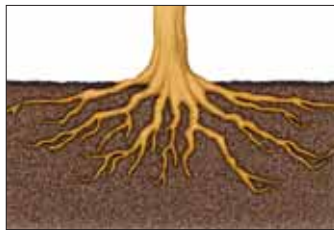
Insufficient (or inefficient) watering will result in loss of leaf turgor and consequent reduction in new shoot extension. Eventually this will lead to die-back and, if not remedied, the loss of the tree.

Waiting until the tree shows signs of drought stress before watering is known as 'reactive' irrigation. Whilst this might keep the tree alive, it will often result in stem die-back and possibly long term structural defects in the tree.

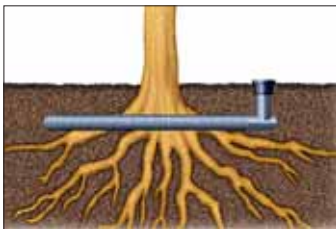
Research has shown that trees irrigated 'proactively' i.e. by implementing a regular watering regime, have over three times the weight of new roots growing into backfill soil material compared to those watered 'reactively'.



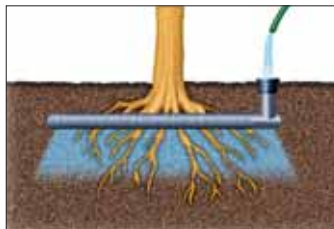
Surface irrigation is rarely efficient for trees, the topsoil layer waterlogs, leading to surface run off, soil capping, compaction and wastage. Water has difficulty penetrating the deeper root zone.



If surface is irrigated regularly to a shallow depth, roots will remain near the surface leading to a long term susceptibility to drought.



Root Rain waterers deliver water directly to the root zone. This eliminates wastage and reduces the risk of surface compaction.



The roots are encouraged to establish at a greater depth improving long term drought resistance and tree stability. Provides an access point for air and feeding with soluble fertilisers.



Benefits

- Quick and easy to install
- Extremely cost effective
- Improved drought tolerance
- Fast watering (60 litres per minute in porous soil)
- Reduces water volume by eliminating wastage

Metro Watering Systems

Quick and easy to install but extremely effective, the Metro range comes in sizes to suit all tree planting applications. Supplied with 35mm diameter pipe, fixing bracket with attached cap.

Code	Length	Application	Cap	Price 10+	Price 100+
RR1	1.25m	Specimen shrubs / standard trees	Plastic	£5.99	£5.40
RRPC1			Plastic with chain	£7.85	£7.07
RR2	1.75m	Standards up to 8-10cm girth	Plastic	£6.22	£5.60
RRPC2			Plastic with chain	£8.24	£7.42
RR3	2.5m	Heavy standards	Plastic	£7.36	£6.62
RRPC3			Plastic with chain	£9.22	£8.30
RR4	4.0m	Extra heavy standards	Plastic	£9.03	£8.13
RRPC4			Plastic with chain	£11.52	£10.37



URBAN Watering Systems

Code	Pipe length	System diameter	Each	10+	50+
RRURB1	3m	895mm	£16.00	£14.77	£11.82
RRURB2	5m	1530mm	£18.00	£16.97	£14.02
RRURB3	8m	2400mm	£22.00	£20.27	£17.32

A cost-effective system for large-scale planting where the Civic and Precinct range may be considered too costly. The Urban gives a large-capacity watering system with a fixed non-removable grid type inlet. 80mm black polyethylene inlet. 60mm diameter circuit and vertical pipe.



CIVIC Watering Systems

Code	Pipe length	System diameter	Price 1-99	Price 100+
RRCIVIC1	3m	895mm	£27.54	£24.79
RRCIVIC2	5m	1530mm	£30.25	£26.99
RRCIVIC3	8m	2400mm	£33.04	£30.29

The Civic is a well proven large capacity watering system. Below ground the system is identical to the Urban and Precinct but features a 80mm black inlet with vented cap on a retainer chain.



PRECINCT Watering Systems

Code	Pipe length	System diameter	Price 1-49	Price 50+
RRPRECINCT1	3m	895mm	£38.42	£34.42
RRPRECINCT2	5m	1530mm	£40.62	£36.62
RRPRECINCT3	8m	2400mm	£43.92	£39.92

Designed specifically for locations requiring permanent irrigation – ideal for setting in paved surrounds. Underground the system is identical to the Urban and Civic but features a 100mm diameter heavy cast aluminium inlet and swivel vented lid. 60mm diameter circuit and vertical pipes. Grille version also available.



Perforated Plastic Pipe

60mm diameter perforated pipe	£57 per 50m, £170 per 150m
End caps	£1.00 each when bought with pipe

For general horticultural and landscaping applications. Colour is black.