

# RootStart

Mycorrhizal fungi for sustainable urban soils.



GreenBlue Urban are delighted to recommend the use of Mycorrhizal Fungi to support establishment and long term health of urban trees.

## Overview

For thousands of years over 90% of all plants have depended on mycorrhizal fungi, a remarkable group of micro-organisms that help to seek out, release and transport essential nutrients and water to the tree. These fungal partners live with their host throughout its life time, acting as a vast secondary rooting system, increasing the root capacity of a tree by up to 700 times. The fast establishment of this partnership ensures a newly planted tree has its best chance of both early and long term growth.

It's been proven that a mycorrhizal fungi network growing in a natural environments can connect a whole forests of trees providing a type of communication network helping to share nutrients and spread signals of stress and information regarding invasive predators. This communication technique is called **allelopathy**.

## Features

- Supplied in 2.5ltr buckets
- 25ml scoop provided in each bucket
- Supplied in dry granular form
- Single, easy application
- Manufactured in the UK

## Benefits

- Reduces mortality - for bare rooted, root balled and container grown trees
- Better drought tolerance - the vast fungal root system makes best use of all available soil moisture
- Earlier and better root growth - potentially increasing active root area by up to 700 times
- Better uptake of fertilisers - the network of mycorrhizal fungi acts like a net, catching nutrients and preventing leaching
- Increased uptake of trace elements from the soil
- Supports performance of SUDs tree pits by increasing moisture take up by the trees



Product codes	Code	Description	Bucket Qty
	RSPMF2.5LA	RootStart Professional Mycorrhizal Fungi	2.5ltr
Ingredients	100% pure broad-spectrum mycorrhizal fungi, including endo-mycorrhizal and ecto-mycorrhizal species for a broad range of tree species. The mycorrhizal fungi component contains spores, and dried colonised root fragments. The product does not contain fertilisers. The bio-additives in RootStart are at levels of less than 1% and are proven to enhance colonisation.		
Application Instructions	<p>For trees up to 14cm Girth Diameter sprinkle the RootStart granules evenly, at the recommended dosage, directly into the prepared tree pit. Place the tree onto the granules so that the rootzone comes directly into contact with the granules.</p> <p>For large specimen trees over 14cm Girth Diameter, apply during backfill. During backfilling, before covering the root ball, carefully scrape out roots from around the side walls of the root ball and apply granules directly to exposed roots, or as close as possible.</p> <p>The greater the contact between the RootStart granules and the tree roots/root ball the faster the lifelong symbiosis between host and fungal partner will develop.</p>		
Application Rate	Tree Girth Diameter (cm)	Minimum Quantity (ml / scoops)	Ideal Quantity (ml / scoops)
	6-10	75 / 3	100 / 4
	10-14	100 / 4	150 / 6
	14-18	200 / 8	300 / 12
	18-30	600 / 24	1000 / 40
	30-70	1500 / 60	2500 / 100
	70+	3000 / 120	5000 / 200
	25ml scoop supplied		
Storage	Store in a dry environment		