



Planting With Mycorrhizal Fungi

Rootgrow™

What are Mycorrhizal Fungi?

Plant roots in all soils have a relationship with a staggering array of micro-organisms, one of the most important of these are mycorrhizal fungi. These organisms have been benefiting plants for at least 500 million years, enabling them to extract nutrients and hold onto water in very difficult soil conditions. In effect, the fungus provides a secondary root system, a system that is considerably more efficient and extensive.

What is Rootgrow™?

Rootgrow contains a mixture of species of UK origin mycorrhizal fungi. It is supplied as a dry granular mix with a sachet of powdered hydrogel. It can either be applied as a dry granule or by mixing the granules with water and hydrogel to create a root dipping treatment for bare root plants.

Why do I need Rootgrow™?

Most landscape plants are raised in sterile composts where the plants have ready access to water and essential nutrients, however, as soon as they are planted into soil the root environment changes radically. In most soils there simply aren't enough, or the right type, of native mycorrhizal fungi close enough to the new plants roots to colonise quickly. This problem is exaggerated where topsoil has been imported or if the soil structure has been ruined or disturbed (e.g. by machinery). Just 5 grams of Rootgrow™ can contain up to 5000 pieces of fungi (infective propagules) all ready to explode into growth, colonising every millimetre of a plant's roots in a matter of weeks.

The benefits of Rootgrow™

- Only one easy treatment needed at the time of planting.
- Earlier and better growth
- Reduced chance of mortality due to the extended root system
- Better drought tolerance
- Better uptake of fertilisers and trace elements
- Reduced mortality of plants that are difficult to establish
- Helps prevent replant problems (e.g. roses, bareroot trees and shrubs)

How to use Rootgrow™

Rootgrow™ must come into direct contact with the plant roots. For dry granule application to rootballed and containerised plants sprinkle the granules directly onto the base of the planting hole where there will be contact with the rootball. For rootballed plants apply the granules onto the moistened hessian and wire rootball. For bare-root plants and whips granules can be added to gel powder dissolved in water to create a dip which quickly coats the entire root system.

Quick guide to pack size and plants treated

Rootgrow re-sealable pack size	Small trees	Large trees	Bare root plants 60-80cm
150g	2	1	25 (no mixing gel)
360g	5-6	2-3	100
1kg	13-16	5-7	300

See the pack for detailed instructions and ask us for further advice if required.