

Rootgrow™ Professional

Product Guide



rootgrow professional™



- sustained plant nutrition
- better natural vigour
- reduced plant mortality
- improved drought tolerance
- reduced replant problems
- chemical free

TREE PLANTING • LANDSCAPING • HORTICULTURE

LANDSCAPE DEPOT

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Healthy living soils contain a beneficial range of microbes including mycorrhizal fungi and bacteria, which release and transport natural and applied nutrients to the plant roots.

rootgrowprofessional™ (RGPro) is a blend of pure mycorrhizal fungi that has been specially developed to rapidly colonise the roots whenever new plants or trees are going to ground.

What are mycorrhizal fungi?

For the last 450 million years, 90% of all plants have been depending on this remarkable group of microorganisms. These fungal partners live with the host plant throughout its life acting as a vast secondary root system, greatly enhancing the capacity to locate and take up water and nutrients.

How do plants benefit?

1. **One treatment last the entire life of the plant** (as the plant grows so does the fungal partner)
2. **Reduced mortality** (especially bare rooted whips and transplants)
3. **Better drought tolerance** (the vast fungal network makes use of all available moisture)
4. **Improved establishment** (in just 2-4 weeks the mycorrhizal fungi can increase the active root area by up to 700 times)
5. **Better uptake of applied fertilisers** (mycorrhizal fungi act like a net, catching nutrients and reducing leaching)
6. **Improved health and stress resistance** (a well colonised plant will be better able to cope with pathogen or pest attack and poor soil conditions)
7. **Easy and safe to use** (simply sprinkle into the bottom of the planting hole or mix with the gel solution provided)

rootgrowprofessional™ contains: 100% pure mycorrhizal fungi, including arbuscular (AMF) and ecto (ECMF) mycorrhizal species and is produced in the UK. The mycorrhizal fungi component contains viable spores, fungal mycelium and dried colonised root fragments blended to a minimum of 500,000 infective propagules per litre. This product does not contain fertilisers.

The bio additives in **RGPro** are at levels of less than 1% and are proven to enhance mycorrhizal colonisation.

Instructions:

DRY GRANULE APPLICATION

(rootballed & containerised plants)

Sprinkle the **RGPro** granules evenly, at the recommended dosage (see below), into the prepared planting hole. Place the plant directly onto the granules so that the roots and granules are in contact. For plants over 30L or 12-14cm girth, apply during backfill against the side wall of the root zone to ensure contact with feeder roots.

Dose Rate:

Tree Girth/ Rootballed (cm)	Pot Size (L)	Quantity (ml-g)	Treated from 10L-10Kg
2-4	2-3	10	1000
4-6	5	20	500
6-8	10	40	200
8-10	15-25	60	166
10-14	30-50	100-120	100
14-18	50-75	120-150	83
18-25	75-150	300-350	33
30+	250+	400	25

ROOT DIP APPLICATION WITH GEL SOLUTION

(bare root plants and whips)

This package contains gel powder for mixing with clean water to create a root dipping solution (the appearance, when mixed, should be similar to wall paper paste).

Mix 2 x Sachets in 80L of water

The desired consistency will depend on the root density of the plant species used. Make the solution thinner for plants with dense or more fibrous roots. Add **RGPro** granules, stir well, the granules should be suspended in the solution. Dip the roots in the solution and shake off excess. Plant immediately. Use mixed gel dip within 2 days and do not allow slurry to freeze. Any leftover solution can be safely applied to the soil surface.

Plants Treated:

Bare root whip/transplant size (cm)	Treated from		
	10Kg	5Kg	2.5Kg
30	3300*	1650*	825*
30-60	2500	1250	625
60-90	2000	1600	500
90-120	1600	800	400
120-150	1400	700	350
150+	1100	550	275

*this could be higher depending on root size and density – all calculations are approximate.

The greater the contact between the granules and the roots the faster the lifelong symbiosis between host and fungal partner will commence.

Volume: 10L-10Kg

