Technical Data Sheet

Langley Fertilizers

Macracote® Red Coloniser plus

Controlled Release Microbial (Granular) Fertiliser

15 3 9 + TE

8 to 9 Months

GUARANTEED ANALYSIS

MACRO ELEMENTS		
Total Nitrogen (N)	**15.40**	**%w/w**
Nitrogen as urea	7.80	%w/w
Nitrogen as ammonium	4.20	%w/w
Nitrogen as nitrate	3.40	%w/w
Total Phosphorus (P)	**3.50**	**%w/w**
Water soluble Phosphorous	3.20	%w/w
Citrate soluble Phosphorous	0.30	%w/w
Total Potassium (K) as sulphate	**8.90**	**%w/w**
MICRO ELEMENTS		
Sulphur (S) as sulphate	5.08	%w/w
Magnesium (Mg) as sulphate	0.46	%w/w
Iron (Fe) as sulphate	0.04	%w/w
Zinc (Zn) as sulphate	0.30	%w/w
Manganese (Mn) as sulphate	0.05	%w/w
Boron (B)	0.02	%w/w

APPLICATION RECOMMENDATIONS

Potting Mixes
2.5 kgs to 5.5 kgs per cubic metre. Four kilograms per cubic metre is a common usage level.

Dibbling
2 kgs to 4 kgs per cubic metre, divided by the number of pots per cubic metre. See the guide below.

Pot Size	Rate			
100 mm	1	-	2	grams
150 mm	3.5	-	7	grams
200 mm	10	-	20	grams
300 mm	30	-	60	grams
35 Litre	70	-	140	grams
45 Litre	90	-	180	grams
75 Litre	150	-	300	grams

Do not apply any herbicides 8 days prior to or 8 days after the application of this product.

Apply at the beginning of every Spring and Autumn to maximize plant health and vigor.

Macracote® Coloniser plus is a technologically advanced range of controlled release fertilisers and are fortified with a scientifically balanced blend of over 24 strains of beneficial (probiotic) soil microbes. These include bacteria, fungi and algae to carry out a wide range of biological activities within the soil such as Nitrogen fixing, nutrients building, producing growth hormones, decomposing organic matter to organic carbon, protecting beneficial bacteria by releasing antibiotics that can assist in inhibiting disease producing microbes like root rot, fungi and pythium as well as conditioning of soils by improving soil structure. Some of the strains included are Azobacter, Azosprillum, Bacilli, Cellulosic fungi, Myxobacteria, Phosphobacteria, Pseudomonas, Rhizobium, Streptmyces, Sacchromyces, Trichoderma, VAM and Yarrowia.

Some bacterial species break down minerals and release potassium, phosphorus, magnesium, calcium and iron to make them plant available and other species make and release natural plant growth hormones like auxins, gibberellins and cytokines.

It effectively and efficiently delivers nutrients to roots by enhancing soil biology. This also helps in increasing and sustaining the population of beneficial microbes in the soil.

STORAGE- Macracote® Coloniser plus has exceptional shelf life and contains beneficial soil microbes that are activated when exposed to moisture. We recommend the storage of opened and unused fertilizer for a maximum of 11 months in a moisture-free environment to ensure best results upon application.

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