

# GrowStart

## *The ideal soil additive for commercial tree plantings and turf establishment*

### **Native Plants and GrowStart**

Australian soils are ancient. They are generally low in fertility and organic carbon. Australian soils also tend to be slightly acidic and particularly low in phosphorous.

Native plants have adapted to these conditions and do not respond well to excessive fertiliser applications. They do however respond well to soil amelioration with organic carbon, liming and small amounts of fertility.

#### **Native plantings would ideally occur in soils that have:**

1. Been amended a pH of 6.5 (slightly acidic)
2. Had a small amount of low phosphorus, organically based fertiliser incorporated
3. Access to adequate irrigation
4. A good covering of mulch

Unfortunately, in a commercial planting situation these practices are not practical or economically viable. In a commercial planting program, the use of a scientifically formulated planting mix addresses these fundamentals in a convenient and cost-effective manner.

#### **GrowStart comprises of:**

- Organic carbon
- Native minerals
- Slow release fertiliser (low in phosphorous)
- Liming compounds
- Water holding poly acrylamides.

This product used at 20-25g per planting hole encourages rapid deep root development, strong plant establishment and a level of drought resistance.

## ***Stimulates Soil Microbes***

#### **Planting Guide for Commercial Tree Plantings**

- Prepare planting hole – approximately 5L.
- Avoid leaving sides of holes smooth and compacted.
- Refill hole with loosened soil to half full.
- Add 20-25g of GrowStart.
- Mix into soil.
- Plant tube stock.
- Water in with solution of Ensure Hydrotherapy\*

*\*Ensure Hydrotherapy is a proprietary blend of amino acids, seaweed concentrate and soil surfactants.*

### **Guaranteed Analysis**

Nitrogen (N) total %	7.2
N as slow release %	5.0
Phosphorus (P) total %	0.5
Potassium (K) total %	3.0
Sulphur (S) %	2.4
Calcium (Ca) %	5.0
Magnesium (Mg) %	1.8
Zinc (Zn) %	0.26
Iron (Fe) %	1.295
Copper (Cu) %	0.25
Boron (B) %	0.1
Manganese (Mn) %	0.25
Molybdenum (Mo) %	0.01
Cobalt (Co) %	0.001
Organic carbon	2.0%
Water holding poly-acrylamides	20%

### **Application Details**

#### **Tree Plantings:**

20g-25g per 5L planting hole - Incorporate well with soil

#### **New Turfgrass Plantings:**

5Kg/100m - Incorporate well with soil prior to laying turf

#### **Planting Guide for New Turfgrass Plantings**

- Complete all site preparation works.
- Apply GrowStart at a rate of 5Kg/100m<sup>2</sup>
- Incorporate well with soil profile.
- Lay new turf.
- Water with solution of Ensure Hydrotherapy\*.

# GrowStart

***Plant establishment maximised,  
mortality minimised***

## Benefits of Using GrowStart:

- Reduce transplant shock and mortality
- Reduce water stress
- Faster establishment
- Increase indigenous soil micro flora, to assist plant health
- Conditions soil pH
- Stimulates Soil Microbes

## GrowStart in Action

Trial conducted on Callistemon spp. tube stock planted in an inert washed sand in Spring.

### Treatments:

Untreated Control

Plant A – GrowStart @ 20g

Plant B – Scotts Native Osmocote @ 20g

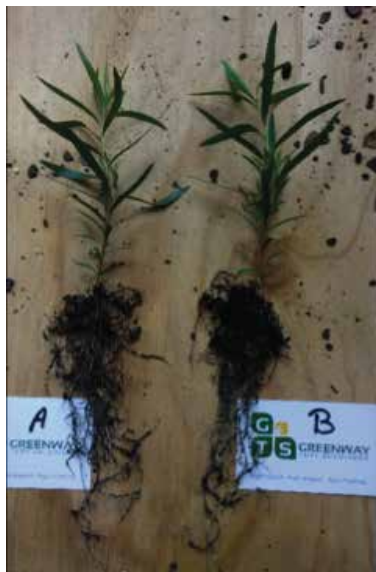
Image taken 14 DAT



Image taken 21 DAT



Image taken 7 DAT



Available in 10Kg buckets