



# NATURALS PLANT STARTER

Product Information Sheet



## What is Naturals Plant Starter?

Amgrow Naturals Plant Starter is a blend of Australian seaweed and plants extracts with a small amount of added nitrogen. The seaweed and plants extracts contain a range of plant growth regulators & antioxidants which enable transplanted seedlings & plants to re-establish with increased root development & transplant shock.



## Features of Plant Starter

- ✓ Contains Australian seaweed & plant extracts

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- ✓ Promotes additional root development

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- ✓ Reduces transplant shock

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- ✓ Helps plants establish quickly

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- ✓ With added nitrogen

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- ✓ 1 Litre makes 450 Litres

## > About

When seedlings or plants are transplanted there are two things which will significantly affect the plant:

- (i) A disruption of the roots from the soil which deprives the plant of moisture and nutrients
- (ii) A shock to the plants vital processes particularly photosynthesis.

The effect of these two factors can be minimised by:

- (a) watering in the plant so the disruption of the plant root-soil interface is minimised and
- (b) applying, as a foliar feed or root drench, compounds which increase root growth and reduce transplant plant shock by removing reactive oxygen species, ROS, caused by disruption of photosynthesis.



Picture left shows root development of Bok Choi grown with Plant Starter applied (PS1) versus the Control.

## Guaranteed Minimum Analysis

Nitrogen (N)	0.3%
Phosphorus (P)	0.7%
Potassium (K)	2.1%
Sulphur (S) as sulphate	0.5%
Cytokinin Level	At least 100 ppm

The presence of compounds, referred to as compatible solutes by scientists, in the cell cytoplasm is also believed to reduce transplant shock and help plants to maintain photosynthesis through periods of water stress. Auxins tend to work better in promoting root growth in the presence of small amounts of cytokinins. Seaweeds contain auxins, small amounts of cytokinins and a number of antioxidants including vitamins. Kelps generally are thought to contain higher levels of auxins than other seaweeds, although this is not completely certain. The seaweed blend selected for Amgrow Plant Starter is relatively high in auxins and antioxidants.

We have added small amounts of natural occurring auxins, and a natural plant extract with a high cytokinin-like activity to enhance the ability of the product to reestablish the root system and photosynthetic process as quickly as possible.

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