

# **GROW** **KING**

## Nutrient Charger

### Advantages

Air spaces are replaced with essential nutrients which increases the power to generate better root and shoot development.

Transformation from bud to the new growth takes place quicker when the nutrient demands of growing tissue are satisfied.

The formation of stronger and healthier new growth occurs because nutrient balance is achieved before roots become functional.

Reduced dependence on soil nutrients during the early stages of establishment and growth.

Increased success rate because of rapid growth, thereby reducing disease pressures.

### What Plants benefit Best

Dipping and soaking plant parts such as stem cuttings, root cuttings, tubers, bulbs, corms, rhizomes, runners, stolons and suckers. They all benefit.

Dipping of seedling roots before transplanting with crop types such as tomato, celery, lettuce, capsicum, melons, eggplant and the entire range of brassicas. They all benefit.

Fertigating fruit trees or seedlings after transplanting because it is a ready-made complete nutrient food to irrigate the seedlings of vegetable and flower stock. It is also beneficial for vines, berries and all nursery plants.

## Nutrient Charger, Billet Dip and Soak for Crops

**Grow King Nutrient Charger** is a balanced Broad-spectrum formulation that acts as a nutrient charger. This improves vegetative reproduction and early seedling establishment. It charges tissue with an ionic form of essential nutrients and increases the level of essential nutrients such as nitrogen, phosphorus and potassium as well as other trace elements.

**Grow King Nutrient Charger** endows the newly grown tissue with adequate and balanced levels of all essential elements and as a consequence produces plants that are more vigorous and resistant to disease.

**Grow King Nutrient Charger** is a perfect start for many crops. When used as directed it increases the level of essential nutrients in roots, treated organs and plant parts used in vegetative reproduction. It brings many crop advantages.

### How it Works in the 'Free Space'

**Grow King Nutrient Charger** ensures that the stored essential macro and micro nutrients stimulate and maintain healthy new plant growth during the sensitive period of plant establishment. This is a time when there is a high demand for essential nutrients. Roots, stem cuttings and other vegetative tissues have large 'Free Space' in the form of inter-cellular space, xylem cavity and air space (as with spongy tissues) that have a good capacity to store nutrients. By treating plant parts with **Grow King Nutrient Charger** it impacts on the loading of living cells as well as Free Space nutrient storing compartments.

### An Alternative way to Protect during Transplantation

The complete nutritional feeding provided by **Grow King Nutrient Charger** improves the growth and establishment of healthy plants. It offers a perfect replacement for any alternate fertiliser feeding program during the delicate period of seedling or tree establishment.



RLF



Australian-owned Formulator, Manufacturer and Supplier of High-analysis Broad-spectrum Liquid Fertiliser technologies. For over 25 years RLF's products have been used by millions of farmers and growers world-wide.

ISO 9001 Quality Assured  
Company since 1998.



## METHODS OF APPLICATION

**Soaking (or dipping) of Plant Parts used in vegetative reproduction**

**Dipping of Seedling Roots before Transplanting and/or fertigating seedling stocks in nursery**

**Fertigation after Transplanting**

## ANALYSIS

MACRO NUTRIENTS			
Nitrogen (N)			
Phosphorus (P <sub>2</sub> O <sub>5</sub> )			
Potassium (K <sub>2</sub> O)			
Sulphur (S)			
Calcium (Ca)			
Magnesium (Mg)			

MICRO NUTRIENTS
Iron (Fe)
Zinc (Zn)

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Soaking (or dipping)  
of Plant Parts used in  
vegetative reproduction



Plant Part



Grow King Mixture



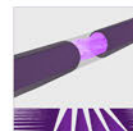
Soak



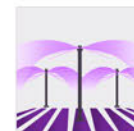
Fertigation  
after Transplanting



Manual Application



Irrigation Systems



Watering Systems

## SOAKING (OR DIPPING) OF PLANT PARTS USED IN VEGETATIVE REPRODUCTION

### APPLICATION GUIDE

<b>Stem Cuttings</b> Sugarcane Grapevines Cassava Roses Other Ornamentals	<b>Root Cuttings</b> Blackberry Raspberry Guava Breadfruit	<b>Tubers</b> Whole Potatoes Cut Potatoes Sweet Potatoes Yam Taro	<b>Bulbs/Lorms</b> Garlic Onion Saffron Lilies Gladiolus Narcissus	<b>Rhizomes</b> Ginger Turmeric Irises Yam	<b>Runners and Stolons</b> Strawberry Sweet Potato Mint Tarragon Grasses	<b>Suckers</b> Bananas Pineapple Breadfruit Bamboo Taro	Raspberry Blackberry
<b>Dilution in Water</b> 1:20 in water	<b>Dilution in Water</b> 1:20 in water	<b>Dilution in Water</b> 1:20 in water	<b>Dilution in Water</b> 1:20 in water	<b>Dilution in Water</b> 1:20 in water	<b>Dilution in Water</b> 1:20 in water	<b>Dilution in Water</b> 1:20 in water	
<b>Application Time</b> 2 hours +	<b>Application Time</b> 2 hours +	<b>Application Time</b> 2 hours +	<b>Application Time</b> 2 hours +	<b>Application Time</b> 2 hours +	<b>Application Time</b> 2 hours +	<b>Application Time</b> 2 hours +	

## DIPPING OF SEEDLING ROOTS BEFORE TRANSPLANTING AND/OR FERTIGATING SEEDLING STOCKS IN NURSERY

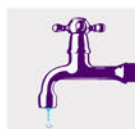
### APPLICATION

Vegetable	Brassicas	Fruits
Tomato Celery Lettuce Eggplant	Zucchini Cucumber Bok Choy Cauliflower Broccoli Broccolini	Melon Water melon Strawberry  Other Herbs and Flowers
<b>Dilution</b> 1:40 in water	<b>Dilution</b> 1:40 in water	<b>Dilution</b> 1:40 in water
<b>Application Time</b> 30minutes +	<b>Application Time</b> 30minutes +	<b>Application Time</b> 30minutes +

### MIX



Shake Vigorously



Mix with Water



DO NOT Mix with other Chemicals

## FERTIGATION AFTER TRANSPLANTING

### APPLICATION

Crop Type	Dilution Rate	Application
Vegetables Flowers Fruit Trees Vines Berries Other Nursery Stock	1:100 in water 1:100 in water 1:100 in water 1:100 in water 1:100 in water 1:100 in water	Apply nutrient feed as irrigation or fertigation to plant or seedling after transplant.

### Notes

Treated plants before or after transplant; applications of granular or water soluble fertiliser to the soil should be withheld for 2-3 weeks.

**Non-toxic Product.** Avoid unneeded contact. Keep out of reach of children. If contact with eyes immediately rinse with plenty of water. If swallowed seek medical attention.

### Storage

This product requires storage in a cold dry place. Valid for 3 years from date of production.