

# LIQUID SCIENCE

## PURE GUARD

Substrate Pre Soak and Mould Inhibitor

Active ingredient: Quaternary Ammonium Compound 1.0% w/v



**Pure Guard is a substrate steriliser and system cleanser.**

Pure Guard will naturally improve overall plant health by effectively cleaning and sanitising the root zone. It enhances the growth and general well-being of hydroponically grown plants without harming the plants that come in contact or having any toxic effect on the hydroponic system itself. Pure Guard contains a Quaternary Ammonium Compound and once applied it creates a preventive shield. Pure Guard is a Prophylactic treatment, which fends off fungal diseases and mould outbreaks before they take hold. Pure Guard has proven to be one of the most effective products available to hydroponic growers. Pure Guard is derived from natural sources such as soy bean extract which is non-toxic, non systemic and safe for people, plants and pets.

**Pure Guard is available in 250ml, 1 Litre, 5 Litre and 25 Litre packs.**

For more Information about this product go to [www.liquidscience.com.au](http://www.liquidscience.com.au)  
or contact [sales@liquidscience.com.au](mailto:sales@liquidscience.com.au)

## Points to be aware of when using Pure Guard.

Pure Guard is a great solution additive to improve the overall health of plants. Healthy plants are better equipped to discourage pest and fungal outbreaks as well as other bacterial pathogens. Be aware Pure Guard does not promote beneficial bacterial growth. If you are trying to promote beneficial bacteria growth this is probably not a desirable solution to use.

## Is Pure Guard safe to use?

Pure Guard is totally safe to use and is one of only a few products available today that can make the claim of being totally environmentally friendly. Pure Guard uses an organic dispersant and a non-ionic surfactant to cleanse and Pre-treat all materials that come in contact with the rootzone of plants. Pure Guard DOES NOT contain any harmful chemicals.

When dosing tanks with Pure Guard it may cause the solution to foam up initially. This foaming will dissipate over time and will not have any adverse effect on plants. Be sure to turn off all forms of oxygenation methods while dosing tanks. Pure Guard must make contact with the entire surface that comes in contact with the root zone to be an effective cleanser and conditioner.

It is important to note as plant varieties vary greatly, that it is recommended growers test for plant sensitivity before applying Pure Guard on a large scale. Please be aware Pure Guard is not a regulator of plant growth. Do not use Pure Guard in conjunction with any other root zone treatments, stimulants or preventatives. Pure Guard should be applied as a standalone root zone treatment. Pure Guard should be stored in a cool dark place away from any heat or light source. Pure Guard does not require any with-holding period prior to harvest as it has no systemic qualities.

Pure Guard has been developed to treat a wide variety of mould, mildew and algae problems in a wide variety of growing environments. Refer to the table below.

	Dosage Rate	Application	Frequency of Treatment	Application	RESULTS	Term of Effect
<b>Preventative Pre-soak Sterilisation of Substrate</b>	2mls Per Litre	Initial propagation or pre seeding stage	Initial planting stage	Hand Held Mister or sprayer	Preventative	Day 1
<b>Algae Blooms</b>	2mls Per Litre	Surface of growing media	When outbreak occurs	Hand Held Mister or sprayer	Kills on Contact	Every 7 Days
<b>Phytophthora</b>	5mls Per Litre	Apply directly to hot spot	Weekly	Hand Held Mister or sprayer	Kills on Contact	Every 7 Days
<b>Botrytis and Powdery Mildew</b>	5mls Per Litre	Apply directly to hot spot	Weekly	Hand Held Mister or sprayer	Kills on Contact	Every 7 Days
<b>Mould on Growing Trays</b>	5mls Per Litre	Apply directly to Infected area	Weekly	Hand Held Mister or sprayer	Kills on Contact	Every 7 Days

Manufactured and Distributed by **HYDRO MASTA Pty Ltd**

Product Information: [www.liquidscience.com.au](http://www.liquidscience.com.au)

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