

VitaLink BioPac

A natural bio-stimulant for enhanced crop quality

VitaLink BioPac is a natural bio-stimulant packed full of beneficial microbes to give you an overall higher crop quality.



The Benefits

- Converts unavailable nutrients into available nutrients.
- Boosts nutrient uptake via the roots.
- Guards against pests and disease.
- Enhances growth rates, flowering and yield.
- Ideal for soil and hydro, with proven long shelf life.

ADDITIVES

How does VitaLink BioPac work?

There are more beneficial microbes in VitaLink BioPac than most other products on the market. These beneficial microbes convert unavailable nutrients into available nutrients, improve the functioning of the root zone and suppress disease, resulting in a healthy, heavy productive crop.

• **Beneficial microbes convert unavailable nutrients into available nutrients.**

The high microbial content in VitaLink BioPac ensures that the product starts to work as soon as you apply it to the media or root zone. This is because the microbes can instantly establish a large population within the media and the root zone, where they convert unavailable nutrients into available nutrients. Some of the microbes and fungi you will find in VitaLink BioPac include Trichoderma, Bacillus bacteria and Mycorrhizal fungi; enzymes are also included. All of which are well known for their plant benefits.

• **Beneficial microbes boost nutrient uptake via the roots.**

The improvement in the functioning of the root zone means that your plants can absorb nutrients much more quickly and effectively. This inevitably speeds up root growth, which in turn, improves growth rates, flowering, yield and overall crop quality. When used in the flushing stage, VitaLink BioPac speeds up the depletion of nutrients from the root zone, promoting a quicker and more efficient flushing period.

• **Beneficial microbes to guard against pests and disease.**

The beneficial microbes and fungi within VitaLink BioPac help to prevent fungal infections, such as Leaf Spot Fungus, Powdery Mildew, Downy Mildew and Botrytis. The Bacillus in VitaLink BioPac also has the ability to suppress the activity of leaf-dwelling insects and assist in the prevention of Whitefly attacks.

• **Natural plant hormones enhance growth processes.**

VitaLink BioPac contains the natural plant hormones, cytokinins and gibberellins. These natural plant hormones promote cell division, enlargement and elongation, as well as growth in leaves, stems, flowering and fruiting. VitaLink BioPac gives you a higher quality crop.

• **Ingredients make VitaLink BioPac ideal for hydro and soil and ensure long life.**

Unlike many microbial products on the market, VitaLink BioPac contains Zeolites. When no media is present, the Zeolites enable microbes to grow/proliferate, which means you can still take full advantage of VitaLink BioPac. VitaLink BioPac also contains molasses, an organic food source on which beneficial microbes feed and develop, which ensures a long shelf life.

When should I use VitaLink BioPac?

To ensure a healthy and large establishment of the beneficial microbes in the root zone (which will allow full effectiveness of the product), it is best to use VitaLink BioPac as a one-off high-dose during propagation. This may be to soak propagation media or to water through as the roots are developing. You should then use VitaLink BioPac regularly at a low dose to top-up the beneficial microbes throughout your plant's life cycle.

Dilution rates

- Propagation: 25ml per litre of water once to pre-soak plugs.
- Tank Dosing: 3ml per 10 litres of water.
- Foliar spray (pest control): 25ml per litre of water as an initial dose and 15ml per litre of water as a maintenance dose (weekly).

If foliar spraying, use in low light and spray the upper and underside of the leaves until run-off occurs.








Available sizes



The Vitalink Additives grow chart shows you how to use each product in the additives range and maximise your yield.

Additives Grow Chart

							
	DURATION	BIOPUS	BIOPAC	FULVIC	FOLIAR	BUDDY	FLUSH
Propagation Stage 1 Pre-Soaking Plugs	0-21 Days	2 ml/L	25 ml/L ONCE	–	–	–	–
Propagation Stage 2 Rooted Cuttings/Seedlings	1-3 Weeks	2 ml/L	25 ml/L ONCE	–	–	–	–
Vegetative Stage 1 Establishment Period	1-2 Weeks	1 ml/10L	3 ml/10L	2 ml/L	100 ml/L*	–	–
Vegetative Stage 2 Aggressive Growth	1-2 Weeks	1 ml/10L	3 ml/10L	2 ml/L	100 ml/L*	–	–
Reproductive Stage 1 Aggressive Growth And First Sign Of Flowers Appearing	1-2 Weeks	1 ml/10L	3 ml/10L	2 ml/L	100 ml/L*	–	–
Reproductive Stage 2 Growth Slows And Small Flowers/Fruit Develop	2 Weeks	1 ml/10L	3 ml/10L	2 ml/L	100 ml/L*	–	–
Reproductive Stage 3 Growth Stops And Flowers/Fruit Expand In Size	2-3 Weeks	1 ml/10L	3 ml/10L	2 ml/L	100 ml/L*	0.5-1 ml/L	–
Reproductive Stage 4 Flowers/Fruit Ripen	1-2 Weeks	1 ml/10L	3 ml/10L	–	–	–	5 ml/L

*FOLIAR SHOULD BE APPLIED ONCE WEEKLY UNDER LOW LIGHT LEVELS



Ask our Research Scientist a question...

Q. Why is a high initial dose of VitaLink BioPac required?

A. A high initial dose of VitaLink BioPac is required to ensure the microbes and fungi fully colonise your plant's roots. This will allow the product to work at maximum effectiveness, ensuring you get a superior crop. After propagation, you only need to use a top-up dose.

Q. Can I use VitaLink BioPac and VitaLink BioPlus together?

A. Yes, VitaLink BioPac and VitaLink BioPlus are two different products offering different benefits. VitaLink BioPlus is a vitamin-based product, which increases root mass and relieves stress for healthier plants. VitaLink BioPac is a highly concentrated beneficial microbe-based product, which improves the functioning of the root zone, boosts nutrient uptake and suppresses disease for superior crop quality. We recommend using both products together because they complement each other: VitaLink BioPlus increases root mass and VitaLink BioPac allows the root zone to be more efficient, which makes it easier for your plants to grow. By using VitaLink BioPlus and VitaLink BioPac together you are helping the plant reach its full potential.



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For seedlings/cuttings...

...for hydroponic...

...coir...

...soil growing...

...something to give your plants a boost...

...and a media to grow in.