

## **Biobizz Nutrients**

### **Bio-Grow**

Bio-Grow is a growth liquid fertiliser applicable to most dirt and substrate mixtures. Bio-Grow activate the substrates' bacterial flora due to its base of 100% Dutch organic sugar beet extract, commonly known as molasses.

Molasses are sugar containing syrup formed as a remaining product from the manufacture of sugar, from sugar beet or sugar cane. Wheat starch is the other important raw material for the production of grain alcohol. Before being fermented, starch is transformed in glucose with the help of enzymes. So, in other words, these molasses are a by-product or remaining product from a natural fermentation process and are different from others due to their high betaine content that helps activating the soil micro activity through a process of organic facilitation.

Bio-Grow contains 70 trace elements and vitamins B1, B2, C and E. As all Biobizz products, it has low phosphate contents, which are considered harmful for our bodies and the environment.

#### **Biobizz advice**

- Bio-Grow is a complete stand-alone fertiliser. As soon as the first leaves appear begin to feed Bio-Grow, right away and also through also through flowering to the end of the fruit production.
- A large crop of very sweet fruits is assured thanks to its content of natural sugars and potassium which also provide an ideal interrelation with bacteria in the soil mixture.



## Bio-Bloom

Bio-Bloom is a complete liquid fertilizer which contains a small amount of nitrogen and enough phosphorus and potassium to ensure exuberant flowering.

Trace elements and hormones of vegetable origin are also added to improve the plant process itself. Bio-Bloom also contains enzymes and amino acids, which work in harmony with the soil to promote flowering and fruit production.

Bio-Bloom for soil, soil less, or fortified coco is therefore a complete fertilizer used from the beginning of a fruit or flower production until harvest. It is packed with naturally occurring minerals, and hormones of vegetable origin to ensure exuberant flowers and fruit sets.

### **Biobizz advice**

- Bloom is food for flowers and is made of the major elements, potassium and phosphorus. Potassium makes the petals and flowering heads form and bloom and phosphorus gives them the food to make the calyxes and petals in the first place, the building blocks so to speak.
- The addition of potassium particularly into the feeding program informs the plant along with the change in day light cycle, that it is time to reproduce.
- A flower does this like any other organism by making itself more attractive so that it will attract the opposite sex to fertilise it so it can make seeds, this is the purpose of a flower. Sometimes a seed or a fruit is not required for flowering process and the pollination partners are kept separate.
- This confuses the plants somewhat and with the addition of the elements required for flowering it forces the flower to produce more pretty petals in order to make itself known and available to a mate. So as a result we get fuller, bigger and more beautiful blooms. Some might consider this a form of cruelty but the beauty in which the flower becomes is appreciated by all.



## Fish-Mix

Fish-mix has always been a loyal friend for gardeners since it conditions substrates to stimulate bacterial flora and accelerating growth. It is the infusion of organic fish emulsion from the North Sea mixed together with the horticultural extract of Dutch sugar beet.

Fish-Mix boosts growth of all living organisms in the substrate, as well as improving and stimulating production of micro-organisms and useful bacteria in every type of soil and coco. Low quality soil is transformed into rich and fat soil after a few days use, providing plants with natural minerals.

Following the requirements of organic farming, Fish-Mix has not been extracted with acids or stabilized with BHT. It is mild enough to be used in the first stages of a plant's life or sprayed directly to leaves during the vegetative stages of growth but preferably the flowering period and especially for outer crops.

### **Did you know?**

- The use of fish and fish products is an ancient agricultural practice. It must have been about 4000 years ago when the Chinese were using the remains of fish to fertilise their soil for growing vegetables
- In India it was customary to bury a whole fish below particularly special plants. Currently, both the European continent and the rest of the world are familiarising with this powerful fertiliser.



## **TopMax**

TopMax is a 100% organic flowering strengthener which has a threefold purpose of dramatically increasing the actual size and weight of floral clusters, leaving a sweet smooth taste in the finished product and facilitating the uptake of nutrients within the plants. It is especially designed to be used with Biobizz soil mixtures.

The extraordinary way TopMax assists in the flow of nutrients is made possible through the use of humic acids, which are formed throughout millions of years by deposits of vegetables and dirt. Its main source comes from Leonardite which is the material with the greatest organic concentration in the planet. Leonardite comes from trees and vegetation that grew, flourished and died during the carboniferous period 300 million years ago.

Fulvic acids are in charge of healthy floral growth. It is reclaimed from certain exceptionally rich sources of humate deposits from deep within the earth. They contain a natural electrical charge which attracts nutrients and minerals from both the micro-biological soil base and applied organic fertilisers. Due to its features, is in charge, together with humic acids, of contributing energy to old cells and stimulating new ones.

### **Biobizz advice**

- To get the best out of TopMax you should feed your plants separating this bio-stimulant from the other nutrients. Feed with Bio-Grow, Bio-Bloom, Alg-A-Mic or whatever nutrients you regularly use, let it rest for a few minutes and add TopMax separately.
- This ensures that delivery capacity will include all fertiliser elements that are contained within the soil and not just the liquids. Everything is delivered directly to the flowering sites ensuring full and abundant blooms.



## **Alg-A-Mic**

Alg-A-Mic is a revitalizing product made from high-grade organic seaweed concentrate extracted through cold-press rather than chemical solvents.

It contains a high content of trace elements and hormones of vegetable origin, naturally occurring amino acids, and vitamins catering to the whole spectrum of plant's needs. It provides an exuberant green and resistance to diseases.

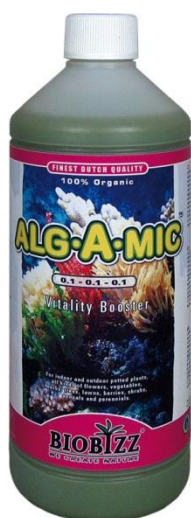
Seaweeds have been harvested for food, fertiliser and medicine for thousands of years. History books record that Chinese used seaweed for medicinal purposes as early as 3000 BC.

Alg-A-Mic is not a fertiliser; it is a bio stimulant to be used along with regular plant nutrition. Unlike many bio stimulants on the market today, Alg-A-mic is the organic alternative.

### **Did you know?**

The seaweed five point effect on plant growth:

- Immune system improves the plants to withstand certain levels of environmental stresses and reduce the attacks and flare ups of sap-sucking insect pests on the plants.
- Chlorophyll: provides greater maintenance over chlorophyll, leading to greener plants.
- Microbes: serves as a source of food for beneficial and benign soil bacteria, resulting in a large increase in microbe numbers.
- Nematodes: helps reduce nematode damage. This includes a reduction in hatch and a disorientation or simple burn-out of immature nematodes (J2s), minimizing root penetration.
- Frost initiates or speeds up the acclimatization process even when the plant is not subjected to a cold stress. This allows plants to tolerate greater levels of cold, reducing the amount of damage.



## **RootJuice**

RootJuice is a harmonious balance of premium humic and Fulvic acids with seaweed especially formulated for organically promoting a vigorous root development, biological life of the radicular system producing an explosive growth. Proper for hydroponic dirt crop or in coconut substrate, it strengthens crops making them more resistance to diseases.

RootJuice is 100% vegetable root stimulator that creates:

- An explosive root growth in already rooted plants through the stimulation of natural biology surrounding the root system.
- A better yield due to the ability of the plant to accelerate the uptake of the nutrients faster.
- A higher resistance against high EC-values
- It produces a strong plant that is resistant to disease and attack.

### **Did you know?**

- It was originally developed to accelerate the root growth of transplants in soil. However RootJuice has now become popular with North American deepwater culture hydroponics users (including bubbling buckets and EZ Clone users) and rock wool growers because of the explosive roots associated with this product.
- It has also found favour with bonsai gardeners in Japan and the USA who need strong roots developed from eco-friendly and organic sources for long-term and sustainable development.



## **BioHeaven**

BioHeaven is a specially formulated Plant Energy booster which contains carefully selected biological stimulants, such as amino-acids. Amino-acids are the basic building blocks for proteins and enzymes, which are essential for plants' structure and metabolism.

As a result, BioHeaven enhances utilization and translocation of nutrients in fertiliser blends & foliar and boosts up anti-oxidant systems of the plant, rids plants from toxins built up during periods of stress, repairs chlorophyll and re stimulates the plant.

These processes stimulated by BioHeaven enhance the availability of nutritionally important trace elements, which are capable of entering the plant cells.

Benefits:

- Highly concentrated
- Rapid and complete uptake of the key nutrients.
- Accelerated chelating of essential macro and micro nutrients
- Improves yield and quality of harvest.
- Improves moisture retention in plants and reduce moisture stress
- Stimulates enzymatic systems in plants to increase plant respiration.
- Provides a valuable source of carbon for soil micro-organisms
- Compatible with all fertiliser programs/brands, both biological bio material and synthetic.

### **Did you know?**

The L-amino acids used by Biobizz for BioHeaven are extracted from soybean cake and other organic protein sources via enzymatic hydrolysis and fermentation. This process ensures the amino acids to be extracted in L-form, the only absorbed and used by plants. Besides the L-amino acids, BioHeaven contains natural aged humus, one of the most versatile components in soil environments. This component, in combination with other operative substances in BioHeaven, increases extremely the quantity of minerals in the soil. Normally the percentage of mineral uptake is around 5-10%, the substances within BioHeaven can raise it up to 95%.



For more information on hydroponics Plant Health, Plant nutrient deficiencies and Pest Problems please visit on information page [found here](#).

If you have any plant health questions or for any other advice please feel free to call one of our stores today or visit [www.3ch.co.uk](http://www.3ch.co.uk)