

*BioPlex is proud to offer an array of specialized plant growth products designed to better accommodate the medicinal, commercial and recreational cannabis grower. When used in combination these products provide everything required to grow a successful cannabis crop from transplant to harvest. BioPlex cannabis products deliver a complete, well rounded nutrient regiment in conjunction with an array of beneficial plant growth substances that encourage healthy root development, vigorous plant growth and substantial yields. These products are carefully designed to enhance plant nutrient availability, thus increasing their uptake via the plant roots. Furthermore, the beneficial biologically active components will provide the plant with a more active and healthy rhizosphere that can effectively support the rapid growth required for quick crop turnaround. Switching to BioPlex today will substantially benefit your current operation and lead to improved, more superior yields tomorrow.*



## **\*Base Products\***

**BioPlex Fertile Fusion 12-4-6** is a natural, bio-based liquid fertilizer blend designed to act as the base fertilizer during the vegetative growth stage of a well-rounded fertility program. A balanced blend of 9 elemental nutrients and beneficial ingredients, **BioPlex Fertile Fusion 12-4-6** will encourage vigorous vegetative growth leading to a stronger, healthier plant upon transitioning to the flowering phase. This fertilizer contains fulvic acids and L-amino acids that work in synergy with one another to aid in the uptake and transportation of plant nutrients. We also include in our proprietary blend a high grade Ascophyllum nodosum seaweed extract that will increase the plants overall root mass allowing for increased water and nutrient uptake leading to a steady surge in vegetative internodal growth. This increase in overall growth will result in a larger plant with more active flowering sights. **BioPlex Fertile Fusion 12-4-6** also contains a state of the art non-ionic wetting agent designed to lower the surface tension of the water, allowing a more even distribution of nutrients throughout the root zone. **BioPlex Fertile Fusion 12-4-6** is an excellent choice when looking for a base nutrient product for optimal vegetative growth. Use with **BioPlex HydroMaxx CalMag 5-0-0** for the best results.

**BioPlex Kick Starter 5-10-5** is a high phosphorus liquid fertilizer blend designed to act as the base fertilizer during the flowering stage of cannabis plant growth. It will provide balanced nutrition during a critical period of the plants growth cycle and the elevated levels of phosphorus encourages heavy flower production, leading to better yields. **BioPlex Kick Starter 5-10-5** also contains fulvic acids and L-amino acids that work in synergy with one another to aid in the uptake and transportation of plant nutrients. All of this combined with a high grade Ascophyllum nodosum seaweed extract will lead to larger, healthier plants that have the capacity for extraordinary flower production. **BioPlex Kick Starter 5-10-5** also includes a state of the art non-ionic wetting agent designed to lower the surface tension of the water, allowing a more even distribution of nutrients throughout the root zone. Utilizing this product as the base nutrient source during the flowering cycle will result in sizable plants that deliver substantial yields. The increased phosphorus levels will can also help combat the stress encountered during transplanting and encourage rapid root formation. Use with **BioPlex HydroMaxx CalMag 5-0-0** for the best results.

## **\*Transplant Products\***

**BioPlex Stress Stopper 1-2-1** is a bio-based fertilizer blended with soil amending ingredients and an array of beneficial microorganisms, making it the perfect product for transplanting seedlings, establishing new root systems and combating environmental stress. **BioPlex Stress Stopper 1-2-1** contains a balanced ratio of elemental nutrients that work in tandem with the biological components. This makes it the ideal choice for creating a healthy rooting zone that can support rapid plant growth and development from day one. The inclusion of fulvic acid, L-amino acids and Ascophyllum nodosum seaweed extracts allows the plant an increased ability to take in nutrients and assimilate them more quickly into its development. **BioPlex Stress Stopper 1-2-1** also contains beneficial

bacteria as well as both endo and ecto mycorrhizae that assist plant growth in numerous ways ranging from nitrogen fixation to the transferring of nutrients in a symbiotic, mutualistic way that is beneficial to both the plant and the microorganisms. Using **BioPlex Stress Stopper 1-2-1** at the time of transplant and throughout the growing cycles will dramatically decrease the chance of plant loss due to transplant and environmental stress.

### **\*Soil Conditioning/Nutrient Additives\***

**BioPlex Fulvic Fusion 1-0-1** is a completely unique blend of fulvic acids, kelp extract, oilseed extract, sugars, silica and beneficial bacteria that work together to create a microbial active rooting zone that can support rapid plant growth and development. Increasing the biological activity within the soil will allow for better nutrient conversion, uptake and assimilation by the plants roots. Complete with two different types of sea kelp extracts and a readily available silica source, **BioPlex Fulvic Fusion 1-0-1** will enhance the plants ability to initiate root and shoot development as well as an increase in plant hardiness and an improved tolerance to environmental stresses. This product also contains two sugar source (molasses and maltodextrin) that act as an immediate food source for microbial activity which in turn helps create a more healthy rooting zone. All of this is wrapped together into a fulvic acid package that will increase nutrient uptake, root/plant growth and the plants overall ability to flourish in a variety of growing conditions.

**BioPlex Amino Maxx L-18 3-0-0** is a nutrient supplement created from a natural protein hydrolysate solution that contains a full profile of available amino acids. Amino acids have the ability to complex fertilizer nutrient ions, protecting them from the negative interactions that can occur between them and the soil/substrate leading to nutrient "lock out". By utilizing the amino acids found in **BioPlex Amino Maxx L-18** to protect the nutrient ions they will remain available to the plant roots so they can be easily taken into the plant. This protection will lead to improved nutrient uptake and faster growth and development. The organic composition of the natural protein hydrolysate solution will also supply a small amount of organic nitrogen to the plant while at the same time acting as an energy source for beneficial soil microorganisms. **BioPlex Amino Maxx L-18** also contains trace amounts of magnesium and manganese that support higher rates of photosynthesis resulting in visually greener foliage and a higher metabolic energy within the plant that can support rapid growth and development.

### **\*Finishing Products\***

**BioPlex Carb Catalyst 0-1-2** is the ideal supplement for maintaining high energy within the plant towards the end of the flowering cycle in order to create bigger, bulkier flowers come harvest. This product contains sugar alcohols and polysaccharides, as well as *Ascophyllum nodosum* seaweed extract, that can optimize microorganism populations and aid in the translocation of nutrients within the plant. This allows all of the plant's energy and nutrients to be focused on the later stages of flower development resulting in enhanced flower size and flavor. **BioPlex Carb Catalyst 0-1-2** does not contain any available nitrogen. Instead this product focuses on adding an increased level of phosphorus and potassium to help push the plant into more substantial flower production and an overall higher yielding finish just before harvest.

### **\*Flushing Products\***

**BioPlex Root Zone ResQ & ReNU** is designed to be used as a root zone flush that can clear out residual fertilizer nutrients that can build up in the soil over time. The container culture method of cannabis production is often rather fertilizer intensive and as the weeks go by any nutrients that are not absorbed into the plant can accumulate in the root zone leading to imbalances and even the dreaded nutrient "lock out". To combat this **BioPlex Root Zone ResQ & ReNU** uses organic and polymeric acid surfactants (wetting agents) that have the ability to grab on to the remaining nutrient ions, carrying them through the root zone and out the bottom of the container. Periodically flushing the root zone in this fashion throughout the growing cycles will help maintain a balanced rooting zone and create a sort of "clean slate" to start the fertilizer regiment yet again. **BioPlex Root Zone ResQ & ReNU** can also be used during the final flushing period before harvest to aid in the removal of unwanted nutrients in an effort to improve the taste of the cannabis.