

## Optimize Root Zone Growth Points – Improves Nutrient Mobilization

A HEALTHY, PATHOGEN FREE Root Zone is CRITICAL for  
OPTIMAL PLANT HEALTH



# BioPlex® ROOT RES-Q POWER+

MANAGEMENT OF ROOT ZONE HEALTH

**BioPlex ROOT RES-Q POWER +**'s first goal is to remove accumulated build-up of residual fertilizer (soluble salts or storm water surge contamination) and pesticide contaminants from the root zone or root system. It accomplishes this by bonding with the negatively charged ion contaminants and then facilitates the flushing, neutralizing and eliminating of problematic residues thru the root zone. The root wash induces hydrophobic coatings within soil structures, effectively reducing water infiltration repellency as well as increases hydration capacity of soil colloids. Significantly improved water infiltration dynamics physically flush bound and unbound molecular contaminants while naturally neutralizing and detoxifying and restoring a more functional root zone.

**BioPlex ROOT RES-Q POWER +**'s second goal is to rehabilitate root zone and rhizosphere growth points in turf and ornamental out plantings and/or sub-optimal soil substrates commonly found in greenhouse container production. This involves restoring the calcium that's so vital to the growth of turf and ornamental plants. Calcium ions function as a mechanism of transport that carries ions across cell membranes and into the plants vascular system, affecting nutrient uptake and mobilization. Calcium is unique in that it plays a multifaceted role in the renewal of the root zone. Plant stress resulting from a degraded root zone critically restricts Calcium uptake. Unfortunately, all too often plant decline issues are incorrectly attributed to other unrelated causes and are often left unattended to.

## GUARANTEED ANALYSIS:

**Calcium (Ca):** .....6.0%

*Derived from: Calcium Citrate*

## NON PLANT FOOD INGREDIENT(S):

**Organic and Polymetric Acid**

**Surfactants**..... 23.5%

**WARNING: KEEP OUT OF THE REACH OF CHILDREN. DO NOT INGEST.** Avoid contact with skin and eyes. Wear appropriate protective clothing when using this product. Direct exposure may cause irritation to skin, eyes, and mucous membranes. In the event direct contact is made with skin, eyes, or other exposed body parts, IMMEDIATELY wash the contact area with copious amounts of clean water. Optimal storage temperatures, 40-80 degrees Fahrenheit.

**NOTICE:** **BioPlex Organics** warrants that the product conforms to its chemical description and is suitable for the purposes stated on the label when used in accordance with the directions under normal conditions of use. **BioPlex Organics** will not be held responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions and circumstances not reasonably foreseeable to **BioPlex Organics**.

Information regarding the contents and levels of metals in this product is available on the internet at [www.aapfco.org/metals.html](http://www.aapfco.org/metals.html)

**Net Contents:**  
**1.0 U.S. Gallon (128 Fl. Oz.) 3.875 Liters**

## Rates of Application

**GC Greens, Fairways & Tees, Cool & Warm Season Grasses, Lawn Care Maintenance, Sports Turf: Maintenance Application ONLY.** Tank-mix at 2-3 fl. oz. of concentrate per 1,000 sq. ft. and apply at a rate of 0.5-3 gallons of tank-mix per 1,000 sq. ft. For optimal results, although not required, more rapid results can be achieved with a follow-up irrigation cycle if possible. Reapply 2-3 times throughout the active growing season. **Curative Remediation Application ONLY.** Tank-mix at 4-6 fl. oz. of concentrate per 1,000 sq. ft. and apply at a rate of 0.5-3 gallons of tank-mix per 1,000 sq. ft. For optimal results, although not required, more rapid results can be achieved with a follow-up irrigation cycle if possible. Reapply as required throughout the active growing season.

**Established Landscape and Nursery Ornamental Plants:** Apply 1-3 fl. oz. of concentrate per gallon of water at 1-3 gallon per 1,000 sq. ft. area and apply in close proximity to the locations of the ornamentals most fibrous feeder root structures. The exact fibrous root cluster locations will vary with regard to type (conifer or deciduous), location, and age of tree or shrub. To target general landscape bed or growing field areas, tank-mix 2-4 fl. oz. per gallon of water and apply as a basal soil drench to a defined, targeted area. Follow this application with copious amounts of water or irrigation to facilitate root rinse cleansing dynamics. One to two applications a year are most often adequate flush soluble salts and other root zone chemical contaminants. Areas where heavy, annual or bi-annual chemical fertilizations can be effectively maintained with one application per year.

**Container Crop Growers & Cannabis Growers:** Tank-mix and apply 1/2-1 fl. oz. of concentrate per EACH 1 gallon of water. Subsequently, flush this solution through the potted soil media at an apportioned rate of approximately 1 gallon diluted tank mix PER EACH 1-2 cu. ft. of potting soil. The root and soil flush/rinse process can effectively replace 1 weekly fertilization input event or 4 per month.

**FREQUENCY:** With use of synthetic fertilizer inputs, root zone container flushing can ideally take place every 4-6 weeks or sooner if needed. More frequent applications help to eliminate the inevitable limiting agronomic residual roadblocks to optimal plant growth and development. Healthy, fibrous root zone structures remain critical to maintaining optimal health and vigor of your plant materials. After an application, renewed plant health and vigor should be apparent within 3-5 days. Regular scheduled use should result in minimal root and soil borne pathogens. Regularly scheduled root rinse applications should elevate levels and concentrations of resin, essential oils, as well as the quality and vegetative mass of the overall harvest yield.

**Attention:** This product is tank mix compatible with most other products. Best practices suggest a compatibility test should be performed prior to use. Shake product prior to use. This product is intended as a supplement to a sound fertility program and may not, if used by itself, provide all the nutrients normally required by crops or other intended plants. Do not store in temperatures below 40°F.



Developed & Formulated by:

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