



CPR®

4•0•1 Color, Performance, Roots

CPR: The Heart of Stress Management

The three most commonly needed supplements for turf survival, appearance and performance are expertly combined in one economical, easy to apply product.

CPR (Color, Performance, Roots) is a unique blend of PanaSeá® Plus, SeaSequential® Micronutrient Complex and a proprietary Aquatrols™ turf surfactant. Applied at 6 oz. per 1000 sq. ft. every two weeks, CPR delivers excellent, long-lasting color, enhanced root development, and remarkably stress tolerant turf. Each 6 oz. application contains 1.7 oz. Aquatrols surfactant; 1.7 oz. PanaSeá Plus; 2.6 oz. SeaSequential Micronutrient Complex.

When applied regularly, CPR will improve your turf's tolerance to decline and early senescence caused by the multiple sources of stress on your golf course or playing field. CPR integrates the best biostimulant technologies and foliar nutrition systems with the most advanced surfactant chemistries to produce truly superior playing and putting surfaces.

CPR produces:

- Superior root mass and depth
- Superior high temperature stress and drought tolerance
- Superior low temperature stress tolerance
- Superior overall plant health, vigor and visual quality

Guaranteed Analysis

Total Nitrogen (N)	4.00%
1.10% Nitrate Nitrogen	
2.90% Urea Nitrogen	
Soluble Potash (K₂O)	1.00%
Magnesium (Mg)(Actual)	0.90%
Sulfur (S)	1.00%
Iron (Fe)(Actual)	2.00%
2.00% Chelated Iron	
Manganese (Mn)(Actual)	0.25%
0.25% Chelated Manganese	
Zinc (Zn)(Actual)	0.20%
0.20% Chelated Zinc	

Nutrients derived from: Magnesium Sulfate, Magnesium Nitrate, Zinc Nitrate, Urea, Potassium Hydroxide, Iron EDTA, Iron Citric Acid, Zinc EDTA, Zinc Citric Acid, Manganese EDTA, Manganese Citric Acid.

Also contains nonplant food ingredient: Minimum 10% Kelp Extract

CPR HELPS YOUR TURF IN SEVERAL MAJOR WAYS.

FIRST, IT DRAMATICALLY ENHANCES ROOT GROWTH AND STRESS TOLERANCE. SECONDLY, IT ADDS A PREMIUM WETTING AGENT TO HELP YOUR TURF ABSORB NUTRIENTS AND WATER. THIRD, IT PRODUCES A BEAUTIFUL, NATURAL, SUSTAINED GREENING OF YOUR TURF.

Major Causes of Stress on Golf Courses

Many superintendents think that heat stress is the primary cause of turfgrass decline on golf courses. But, the truth is that decline in root growth in cool season turfgrasses appears to be triggered by regular, frequent mowing. To be sure, high temperatures make matters worse,

but the vast majority of the reduction in root growth has occurred by the time the "dog days" really begin. In fact, nearly 75-90% of the decline in root growth in USDA Hardiness Zone 5 occurs before the 4th of July.

Some of the major factors involved in creating stress on your turf are:

- mowing
- diseases
- traffic
- drought
- heat
- insects

These are things that regularly occur on your golf course.

CPR: Color, Performance, Roots

The foundation of CPR is our proprietary blend of liquefied sea plant extracts — PanaSeá Plus. PanaSeá Plus has 2 1/2 times higher cytokinin levels than the next nearest competitive product. Some researchers say that turf plants produce enough cytokinins on their own. But that's true only under normal conditions, and normal stops when mowing starts. And when heat starts. And when traffic, disease and insect pressures start. The high level of natural cytokinins, sea plant sugars and chelated trace elements in PanaSeá Plus deliver the first layer of defense against stress. Along with PanaSeá Plus we've added SeaSequential Micronutrient Complex for color and minor nutrient supplementation, and an Aquatrols surfactant to increase absorption.

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CPR Color: Not Just Cosmetic

SeaQuential is an unparalleled Iron and micronutrient formula with unique chelation systems that produces faster, longer-lasting, more natural and uniform color under the widest variety of conditions. The color response you see from SeaQuential™ with Micronutrients is not just cosmetic. Our rich base of sea plants, already rich in trace minerals, delivers three forms of iron. Thus the color you see is not just from iron but also from the enhanced performance of the turfgrass plant. SeaQuential's integrated approach produces a natural, healthy-looking color which reflects the improved condition of the turf.

SeaQuential's deep color is visually superior to any other. It's due in part to the blend of three different iron chelates, which provide sustained, sequenced, long lasting color that won't fade between applications. The iron, potash and sulfur are both foliar and soil available and buffered for improved uptake and ease of application. SeaQuential's unique formulation provides rapid absorption and translocation of nutrients within the plant. Natural sugars promote microbial activity.

Among SeaQuential's micronutrients are zinc, sulfur and magnesium — the elements commonly found to be most deficient in turf soils.

The best products produce the best results. The combination of our three products is what gives you superior turf with superior performance characteristics.

CPR Performance

Aquatrols' proprietary chemistry provides a wetting agent with excellent penetration characteristics, even through thatch, to promote better turf quality. Its benefits include:

- More efficient use of applied irrigation water and nutrients
- More uniform and efficient movement into the soil
- Reduced water loss caused by surface evaporation and runoff
- Better turf quality
- Uniform coverage and course uniformity
- Reduction in Localized Dry Spots
The use of this superior soil penetrant and wetting agent allows CPR to readily deliver its benefits to your turf, while improving the delivery and penetration of other nutrients in the tank mix.

CPR Roots: PanaSeá® Plus

Proven in years of use and testing to be the best biostimulant for improving root growth and stress tolerance. PanaSeá Plus has the strongest concentration of active ingredients (naturally occurring cytokinins). Time and again in side-by-side field trials by independent turf researchers, PanaSeá Plus has outperformed competitive biostimulants for enhancing root development in intensively maintained turfgrasses to deliver these results:

- Superior root mass and depth
- Superior high temperature stress and drought tolerance
- Superior low temperature stress tolerance

“PanaSeá at the recommended rate showed 79% better root development than the control.” ... “PanaSeá at the recommended rates showed from 25-36% better root development than the synthetic product at the same concentrations.”

Root Strengthening in Sod Production
Virginia Polytechnic Institute, 1982.

PanaSeá Plus is the most potent, proven, turfgrass biostimulant on the market. It's a proprietary blend of several liquefied sea plant extracts. Regular foliar applications of PanaSeá Plus augment the plants' own cytokinin production as soon as root growth peaks. And, during high stress periods when the plant stops producing these hormones, PanaSeá Plus provides cytokinins necessary to stimulate and sustain cell division in root tissue.

In addition to enhancing root development and stress tolerance, the cytokinins in PanaSeá Plus also raise the threshold at which premature senescence in leaf tissue occurs during high temperature stress to improve the turf's wilt tolerance.

CPR delivers the essential elements your turf needs not just to survive but to thrive.

If your job were on the line, CPR would be in your program.

- More economical than applying these three extraordinary products separately
- More economical than any competitive material on the market
- Easily outperforms anything else on the market
- Will not burn
- Does not need to be watered in
- Environmentally safe
- Buffered; helps buffer whatever is mixed with it.



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