



ProGro System 7 Amino liquid nutrition products are designed to deliver on 7 key agronomic benefits:

- Patented Amino Acid Polymer Chelation**
 - Utilizing a bio degradable amino acid polymer that allows the formulation to remain in the smallest molecular form—even when combined with other products

- True Tissue Uptake**
 - **System 7** products are designed to penetrate the space between the plant cells—the smallest of openings. This delivers low dose—precision nutrition during times of high plant stress.

- Synergistic Product Performance**
 - Combining System 7 Amino products adds to the overall performance and results.

- Promotion of Soil Microbial Life**
 - Ingredients in System 7 Amino products promote the populations and activity of soil microbial life.

- Natural Plant Hormones**
 - All plant hormones in System 7 Amino products come from natural sources. This provides a greater level of plant conversion and utilization.

- Low/No Salt Formulations**
 - Greenhouse grade ingredients provide the lowest –or no salt indexes.

- Tank Mix Compatibility / Ease of Use**
 - System 7 Amino products are compatible with a wide range of nutrient, pesticide, plant growth regulators and other supplemental products. The rates are simple and there are very few application restrictions for the products.

Primary Benefits From System 7 Amino Products

Precision control of primary and supplemental plant nutrition

Increased cell wall strength

Increased plant photosynthesis

Increased plant health, disease and stress tolerance

Increased root mass and length



Base Summer Stress Management Program

12-0-12	Turf Live Culture	RPM 401	AT 44
NK Bio Balance	9-6-6	Roots/Performance/Management	Urea Phosphite
3.0 oz / 1000	3.0 oz / 1000	3.0 oz / 1000	1.5 oz / 1000

14 day application schedule - Tank mix with fungicide, insecticide and plant growth regulators



RPM 401

Roots-Performance-Management

RPM 401 is a foundation product of the MATREX E3 Management Program for turfgrass. Both field experience and university research has validated the benefit of managing the dynamics of the root zone to provide the proper conditions and nutrients for plant health-especially under stress conditions.

RPM 401 is a combination of Sea Plant Extract, a matrix active wetting agent, iron and manganese. This proprietary combination works synergistically in the root zone to break the chemical bonding of tied-up mineral nutrients in the root zone. RPM 401 improves the biological activity of the soil to improve tilth and texture.

Use Rate: 3.0 to 6.0 oz. / 1000

12-4-6

Bio Base N

12-4-6 Bio Base N is a concentrated liquid supplement to foliar and soil based programs. 12-4-6 Bio Base N promotes rapid root growth and speeds recovery of damaged or stressed turf. Amino acids supplement biological stimulants to enhance regular fertility programs. 12-4-6 Bio Base N contains 4% Sea Plant Extract and Fulvic Acid.

Use Rate: 3.0 to 6.0 oz. / 1000

Turf Live Culture

TLC 9-6-6

Turf Live Culture is a proprietary formulation designed to stimulate turf growth and provide added protection during key stress periods. Turf Live Culture utilizes a select vegetative based multi strain culture series combined in specific ratios with natural plant growth hormones to achieve optimum plant health and improve soil life. A well balanced Macro and Micronutrient ratio is designed specifically to enhance and support plant photosynthesis.

TLC contains 2.2×10^7 cfu/gl the following: Bacillus licheniformis, Bacillus subtilis, Bacillus pasteri, Bacillus cerus, Bacillus megaterium, Azotobacter, Nitrosomonas europaea, L-Lysine, carpramid, paba amino acids

Use Rate: 3.0 to 9.0 oz. / 1000

12-0-12

NK Bio Balance

12-0-12 NK Balance provides a perfect ratio of two key macro nutrients. This balance helps reduce the imbalance created when nitrogen is utilized in the plant—and potassium is not added at the same ratio. 12-0-12 is a key ingredient in summer stress management programs. 12-0-12 is fortified with sea plant extract, Iron and Manganese to aid in chlorophyll production, stress management and color maintenance.

Use Rate: 3.0 to 9.0 oz. / 1000

CALIPLEX

8-0-4 Ca /Si/B Complex

Caliplex is a unique formulation that delivers a specifically proportioned ratio of Calcium, Boron, and Silicon. This combination strengthens cell walls and aids in the overall turgidity of the turf grass leaf. The Calcium and Boron ratio optimizes the nutrient transfer within the plant.

The Silicate form will not interfere with the transpiration abilities of the turf—critical when the plants are under stress from high heat and humidity.

Use Rate: 3.0 oz. / 1000