

Tournament Greens Recovery

Turf nutrition following a tournament is as important as the tournament preparation period. Turf is typically stressed because of short cutting heights, excessive traffic, and needs help recovering and returning to normal play conditions.

Nutrient Monitoring Program

The following program should be used as a guide. Monitoring nutrient levels in leaf tissue and soils is critical for designing the most efficient nutrient program. BioPro recommends the use of a diagnostic service that provides soil, water, and NIRS (Near Infrared Reflectance Spectroscopy) tissue analysis. With diagnostic results, BioPro nutrient programs may be modified to correct imbalances and prevent future problems.

Application Recommendations

1st Week

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|----------------------------|----------------------------|
| 1) Multi-Purpose (6-0-0) | 3 oz. |
| 2) Enviro K (0-0-30) | 3 oz. |
| 3) Calcium Plus (8-0-0-10) | 3 oz. |
| 4) Greens Plus (14-4-10) | 8.5 oz. (0.1 lb. N/1000sf) |

2nd Week

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|----------------------------|-------|
| 1) Multi-Purpose (6-0-0) | 3 oz. |
| 2) Enviro K (0-0-30) | 3 oz. |
| 3) Calcium Plus (8-0-0-10) | 3 oz. |
| 4) NutriSolve | 6 oz. |

3rd Week

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|--------------------------|----------------------------|
| 1) Multi-Purpose (6-0-0) | 3 oz. |
| 2) Turf Starter (8-16-5) | 15 oz. (0.1 lb. N/1000sf) |
| 3) Iron Plus (15-0-0) | 3 oz. |
| 4) Greens Plus (14-4-10) | 8.5 oz. (0.1 lb. N/1000sf) |

4th Week

Resume seasonal BioPro nutrient program

Mixing: Fill spray tank with ¼ the necessary water; add *Multi-Purpose* or *Bio CN* first, then additional products one at a time; if *Calcium Plus* is in the mix add it last; add remaining water last.

Notice: Calcium and magnesium products should not be mixed with liquid fertilizers containing phosphorus.

BioPro Products

Calcium Plus (8-0-0) is a chloride free, readily available calcium source. Calcium is critical for vigorous new growth and for establishing stress tolerance for the next season.

CytoGro (Liquid Root Biostimulant) is an EPA registered hormone biostimulant that improves turf tolerance to stress resulting from disease, insect damage, drought, and soil temperature extremes by augmenting cytokinins and auxins, the turf's natural growth hormones.

Enviro K (0-0-30) provides potassium from potassium carbonate, a high quality, less caustic, chlorine-free source that is retained in the root zone longer for more uniform and consistent uptake by plants. It also contains organic acids from leonardite, which enhances turf performance and improves soil quality. Potassium's role in stress tolerance and recovery is well known.

Greens Plus 14-4-10 & 12-0-12 (Liquid NPK Nutrient Blend) are balanced nutrient blend with nitrogen, phosphorous, and potassium in the same ratio as they are generally found in plant tissue. Nitrogen is supplied as a polymethylene urea blend to provide uniform turf growth and color. This product contains 8.85% controlled release nitrogen, and organic acids from leonardite, which may enhance nutrient uptake.

H3O (Liquid Soil Moisture Management Product) employs a revolutionary new chemistry formulated to manage root zone moisture, making efficient use of water and protecting the turf from the harmful effects of drought stress, thus reducing disease pressure and root shrinkage. It attracts and holds free water molecules from the air within the soil, and efficiently transfers them to the plant root.

Iron Plus (15-0-0) is a particularly effective Fe source. Humic acid is known to be an excellent organic chelator of Fe increasing its availability for plant uptake and mobility within plant tissue.

Multi-Purpose 6-0-0 (Liquid Organic Soil Conditioner) is a unique mixture of organic acids and biostimulants derived from a biological composting and extraction process. It is designed to increase nutrient availability to the plant, stimulate soil microbial activity, increase root mass, and improve overall turf quality.

Nutrisolve (Liquid Micronutrient Blend) is a complete blend of micronutrients chelated with a proprietary combination of citric, fulvic, and other organic acids. Chelates stabilize nutrients, and enhance their uptake and translocation within the plant. Micronutrient content: S 2.79%, Fe 2%, Mn 2%, Zn 0.75%, Cu 0.25%, B 0.08%

Turf Starter (8-16-5) is a starter fertilizer containing micronutrients, organic acids, and biostimulants, which is designed to promote root production, and increase tiller, stolon, and rhizome development.