

EPS Turf Management Program

As all good golf superintendents know that the quality of their greens makes or breaks their reputation and the course's profitability. It is understandable that most superintendents are reluctant to make changes to their existing and proven techniques of turf management. Unfortunately, the writing is on the wall: the tools you used in the past are becoming more and more unpopular with golfers.

Going Green Makes \$ense

The move towards green is gaining momentum every day. More golfers are concerned about their health both on and off the course. Your course can gain a competitive advantage by implementing the EnviroPerfect Solutions (EPS) 100% organic, Turf Management Program.

The EPS Turf Management Program is designed to improve the health of your soil by providing nutrients for the turf and soil microbial life. When these micro-organisms thrive, turf is healthier—above and below ground.



EPS Turf Management Program Overview

The cornerstone of the EPS Turf Management Program is *Quantum Growth*. *Quantum Growth* is a scientifically proven product designed to improve the quality and health of your turf. This consortium of micro-organisms is designed to promote and re-establish the Soil Foodweb that is naturally found in healthy soils. A well functioning Soil Foodweb will give you an overall healthier turf requiring fewer amendments and less water.

The EPS Turf Management Program uses its custom blended 100% organic granular and liquid fertilizers to support the turf while the Soil Foodweb is being re-established. In addition to organic fertilizers, EPS includes *EPS Super Hume* to increase the water retention capacity of soils. *EPS Super Hume* is a virtual storehouse of micro-nutrients and holds the essential macro-nutrients nitrogen, phosphate, and potassium. It provides hormones and vitamins that promote better germination and greater plant growth. *EPS Super Hume* also adds humates to soil, significantly increasing turf efficiency to uptake nutrients.

Program Benefits

Damage Repair and Prevention

Divots, power cart damage, ball marks, cleat damage and general wear and tear on fairways and greens can significantly affect the playing surface and visual quality of your course. Most golf courses have a very low level of microbiology and the turf is much slower to respond to this damage. With small root structures, damage is easily afflicted. By implementing the EPS Turf Management Program, your turf is more resistant to damage. With improved root depths and foliage density, the soil is able to absorb and disperse the force of impact.

Increased Root Depth

Typical turf root depth is three to four inches. Conventional turf management practices feed the turf from above, never requiring the roots to grow deeper. The EPS Turf Management Program helps to re-establish the soil microbiology; roots start to perform better and grow deeper to look for food and water. Root depth can increase as much as three inches per year approaching to depths of eight to twelve inches over time. This allows the turf to tap into natural occurring nutrients and water supplies that do not evaporate during the summer months.

Reduction in Compaction

Compaction is an issue for most golf courses. With the combination of good aeration practices and a healthy Soil Foodweb, compaction issues can be substantially reduced. In a healthy Soil Foodweb, some organisms create tunnels through the soil while others create a space around themselves. This improves soil aeration and water retention.

Reduced Flush Growth

EPS organic fertilizers are “slow release” that are processed gradually by the soil microbiology before being taken up by the turf. The typical flush growth that results from using synthetic fertilizers is reduced, resulting in less grass cutting and maintenance.

Nutrient Leaching and Drainage

Synthetic fertilizers are water soluble and susceptible to leaching before the turf is able to utilize them. Water flows through the soil, taking expensive synthetic fertilizers with it. Beyond the environmental risk this poses, you are simply watching your fertilizer dollars wash away. With a focus on re-establishing the soil microbiology and the use of our organic fertilizers, EPS Turf Management Program eliminate leaching that results in substantial cost savings to you.

Thatch reduction

Most greens are subject to thatch build-up, traditionally dealt with by de-thatchers. Unfortunately, there is only so much de-thatching can do. Thatch continues to build over time affecting the amount of oxygen, water and nutrients the turf gets. It also impacts the playing surface, making greens soft and unresponsive. EPS program is designed to gradually breakdown the thatch that your de-thatcher can not remove. This improves water efficiencies, nutrient uptake, and the playability of your greens while saving you money.



Black Thatch before EPS Program



One month After EPS Program



Reduction and Elimination of fungicides

Most greens are treated with fungicides to prevent damage from winter molds. Fungicides kill both the beneficial and pathogenic fungi. Pathogenic fungi thrive because there is an imbalance in the soil biology. EPS program is designed to re-establish a functioning biology that will outcompete the pathogenic fungi for food, thus minimizing their impact on the green. Over time the green will require no fungicides.

EPS Turf Management Program makes economic and environmental \$ense.

EnviroPerfect Solutions works with you to transition your course from synthetic to organic use, developing the soil biology properly and quickly, so that you get great results from your care program. The cost savings will give you a competitive edge, while providing a healthier environment for your patrons and their families.



The Green before EPS Program



One month after EPS Program

