

# GroWin™

## The First Granular Rootzone Biostimulant for Cool and Warm Season Grasses

### Effective On Sodded, Seeded Or Sprigged Turf; Warm And Cool Season Grasses

Incorporating GroWin™ when building, rebuilding or renovating high-sand-content tees and greens will deliver dramatically better, faster, turfgrass establishment and save money. In research conducted at the University of Rhode Island, the University of Arkansas and Chenal Country Club, GroWin produced more rapid, robust leaf growth, improved stress tolerance and established turfgrass dramatically better and faster.

GroWin is a scientifically proven, natural, organic biostimulant. It produces a true biostimulant response—that is, an additive response over and above fertilizers and amendments.

And yet, it saves more than it costs.

GroWin's benefits include:

- ♣ Faster establishment
- ♣ Significantly better rooting
- ♣ Significantly better stress tolerance
- ♣ Turf ready for play sooner

### GroWin Improves Stress Tolerance

*"Turf with larger, deeper root systems will be more tolerant of drought conditions and foliar diseases, will probably be more resistant to damage from traffic (because of carbohydrate resources in the roots that can be utilized for production of new shoots.)"*



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### A BREAKTHROUGH IN TURFGRASS ESTABLISHMENT

#### GroWin Produces More Rapid, Robust Leaf Growth



*"On average, addition of GroWin resulted in approximately a 300% increase in the foliar growth of Penncross...and an 83% increase in the foliar growth of Bermuda...The range of increases in foliar biomass was from 40% to 679%."*

#### GroWin Builds Bigger, Deeper, Denser Roots



*"The results mirrored those of the foliar measurements...In the untreated USGA turf only, 11-18% of the total root system occurred below 3 inches...In USGA turf treated with GroWin, 22-25% of the roots were produced below 3 inches."*

#### GroWin Is A True Rootzone Biostimulant

Independent University research proves GroWin is much more than a fertilizer...much more than a soil amendent...it produces an additive response over and above fertilizers and amendments.

*"Soil analysis indicated that the benefits do not result from increased amounts of any of the major plant nutrients."*

*"It is noteworthy...that the tremendous increases in shoot growth observed...did not occur at the expense of root growth. In summary, a highly significant increase in shoot growth and establishment rates were observed when [the product GroWin was] incorporated into bentgrass greens."*

#### Less Nitrogen Needed

*"Both root and foliar biomass were greater in turf grown in the USGA mix amended with GroWin than in the USGA mix alone. Over a wide range of Nitrogen levels, the effects of GroWin could not be duplicated in the USGA mix."*

- ♣ Less N needed to produce response
- ♣ Less potential for N leaching
- ♣ Lower disease risk for those diseases associated with higher N fertility

#### Simple Application

Apply GroWin to the top 4-6 inches of the rootzone before seeding, sodding or sprigging.

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