

THE TOUGHEST TURF GRASS

DLF's 4Turf® portfolio is a truly remarkable innovation, created for turf professionals looking to grow greener, stronger and more resilient grass. 4Turf® features our revolutionary turf-type tetraploid perennial ryegrasses which are proven to withstand the stresses of cold, drought, disease, shade and salt conditions.

The secret to 4Turf® exceptionalism lies in its genetic makeup. Most turf-type perennial ryegrasses are diploid, meaning they have two sets of chromosomes in each cell. 4Turf® varieties, on the other hand, are tetraploid, giving them twice as many chromosomes which increases the numbers of genes available. The cells are bigger which means more chloroplasts per cell that increases chlorophyll production, resulting in a more nutrient-efficient plant with a deeper, larger root mass that collects and stores more energy.

A NEW STANDARD FOR RESILIENCY AND STRESS TOLERANCE

4Turf® seeds also are larger than diploid perennial ryegrasses and have more energy reserves, which boosts seedling establishment and makes germination possible in soil temperatures as low as 4° Celsius (39° F). The rapid establishment helps prevent weed invasion and the superior cold tolerance, shade tolerance and winter hardiness of 4Turf® varieties provides a significant advantage over diploids during the darkest and coldest months of the year.

4Turf® varieties also have a more extensive root structure that allows them to find water and nutrients beyond the reach of ordinary turf grasses. The improved energy reserves help them recover from wear more quickly and resist common turf diseases like Microdochium patch, red thread, rust and brown patch. In addition, 4Turf® varieties keep their color all year round from more efficient nitrogen uptake, and they perform significantly better than diploids in areas with saline soil, sea spray or recycled water. Testing has shown that 4turf ryegrasses show superior resistance to dog urine for a more uniform lawn.

EVERYONE BENEFITS FROM REDUCED INPUTS

4Turf® is the result of extensive research, product development and a steadfast commitment to environmental sustainability. By reducing water consumption, fungicide, fertilizer, pesticide, and carbon emissions we can simultaneously help the planet and help groundskeepers, landscapers and homeowners save significant time and money.

4turf®

