

R140 For Sports Pitches

Hard Wearing 100% Perennial Ryegrass Blend with Tetraploid Technology

Tetraploid perennial ryegrass has double the number of chromosomes within each cell compared with diploid perennial ryegrass. The increased cellular chloroplast benefits the plant by boosting chlorophyll production for energy absorption and processing. The outcome is a high energy, robust, hard-wearing, healthier plant with improved stress tolerance and recovery capability, even in cooler temperatures.

The Blend

Germin-8
TREATED SEED

25% Tetrastar	Tetraploid Perennial Ryegrass
25% Fabian	Tetraploid Perennial Ryegrass
25% Columbine	Perennial Ryegrass
25% Poseidon	Perennial Ryegrass

Sowing Rate: 40-50g/sq.m
 Overseeding Rate: 25-35g/sq.m
 Sowing Depth: 12-15mm
 Mowing Height: Down to 12mm

The Cultivars

Tetrastar - Tetraploid Perennial Ryegrass

Wear	Establishment	Persistency	Colour
7.2	8.0	7.8	7.8
Red Thread	Microdochium	Leaf Spot	Rust
7.8	8.2	7.7	8.7

Fabian - Tetraploid Perennial Ryegrass

Wear	Establishment	Persistency	Colour
7.4	7.7	8.1	7.8
Red Thread	Microdochium	Leaf Spot	Rust
7.4	7.7	8.0	7.9

Geves CTPS Data

Columbine & Poseidon - Perennial Ryegrass

	Wear	Recovery
Columbine	8.0	7.8
Poseidon	7.5	7.2

TGS 2016 Data

The Attributes



The Benefits

- * High energy seed with fast germination from 4°C
- * Increased chloroplast boosts chlorophyll production
- * Superior winter wear with robust re-growth
- * Stronger, deeper, denser root mass with great drought tolerance
- * Exceptional tolerance to Microdochium Patch, Red Thread & Rust diseases
- * Excellent colour and presentation

The Applications

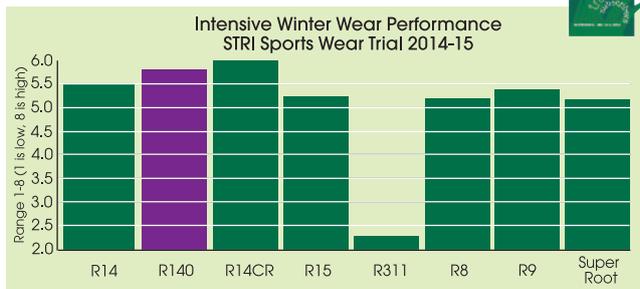
- * Renovation of sports pitches
- * Transitional autumn seeding and repair for winter wear performance
- * Intensive use, goalmouths, centre circles, training grid, re-hab and warm-up zones
- * Significantly improved disease and drought tolerance

The Research

In Turfgrass Seed 2016 the overall seasonal wear performance of tetraploid ryegrasses in Table S1s appears somewhat less than top performing diploid ryegrasses found in Table S1. However, research at STRI and Top Green respectively has proven their performance benefits for winter wear and for use under stadium lighting.

Intensive Winter Wear Performance, STRI Sports Wear Trial 2014-15

Outcomes from the Rigby Taylor Sports Wear Trial at STRI revealed the balanced blend of tetraploid with top performing diploid perennial ryegrasses in R140 delivered superior winter wear performance compared with traditional diploid blends and mixtures.

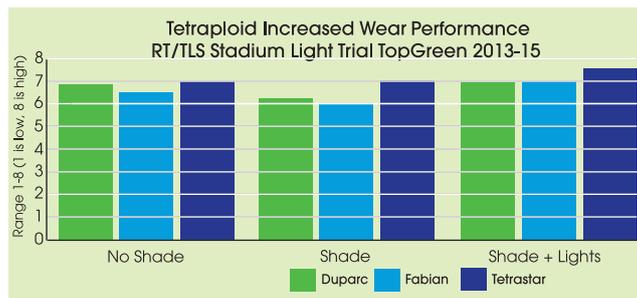


Tetraploids emerging faster than diploids, speeding up establishment. Photo 11 days after seeding.

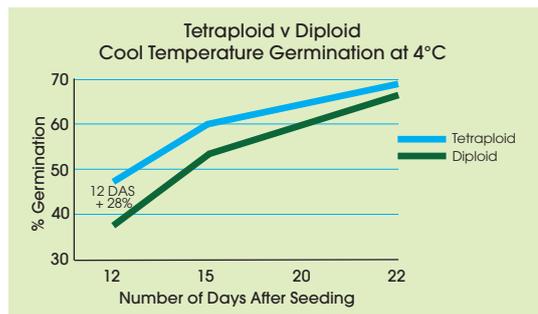


Increase Wear Performance RT/TLS Stadium Lighting Trial, Top Green 2013-15

Research at Top Green in collaboration with Turf Lighting Solutions (TLS) revealed tetraploid cultivars Tetrastar (new for 2016) and Fabian (Number 1 Table S1s Turfgrass Seed 2016), through increased cellular chloroplast delivered greater response to turf lights compared with diploids, making R140 the perfect choice for stadium pitches.



Tetraploid 28% increased germination 12 days after seeding at 4°C



The Proven Performance

Latymer Upper School

"Everyone's expectations for quality playing surfaces are increasingly being raised, including of course mine and those of the school governors, let alone the players. R140 seed is definitely helping us to meet those demands. We've hosted training sessions for the Barbarians, the All Blacks and Australia and these professionals have sometimes used the pitches for up to three hours at a time. I'm glad to say the surfaces have withstood the heavy wear and tear that such sessions create.



"For rugby the sward is kept at 30 mm high; 25 mm for football; and the cricket outfield is maintained at 15 mm.

"Combined with a regular maintenance programme of vertidrainage/aeration, R140 has established an excellent root development in terms of root depth and structure – so much better than we ever had," Dale adds. "In fact, if I had to make the choice again, I would go for exactly the same seed."

Dale Gleed,
Head Groundsman

Middleborough FC Riverside Stadium

"We have had excellent results using R140 at The Riverside for transitional seeding in late autumn to help maintain the surface though the difficult winter period. It works extremely well as the tetraploid ryegrasses provide excellent growth and recovery when it's needed most."

Tony Bell, Head Groundsman,
Middlesbrough FC

