

**ProSelect<sup>®</sup>**



Professional Turf  
Grass Seeds  
**2023**

## ProSelect turfgrass seed blends have been specifically created to produce the highest quality turf.



Each blend enables turf managers to optimise their courses and grounds, saving time and lowering costs to ensure playing surfaces offer the best experience for users.

Each variety has been developed through extensive breeding by ICL and its international partners to bring the most advanced, up-to-date material to the market. This synergy helps guide the continuous development and improvement of our blends.

ProSelect products are formulated with the best varieties available in our extensive portfolio and are independently tested to ensure outstanding levels of quality and germination. Country-specific blends are available to ensure the best results even through regional variation, and all blends are backed by local technical support teams, making them a dependable choice for professionals.





## Key

- ✓ Suitable for purpose
- x Not suitable for purpose

	Page	Stadia pitches and sports grounds	Golf greens	Golf tees, fairways and rough	Equestrian	Cricket	Lawns and landscape	Lawn tennis
ProSelect 1 Premium Pitch	5	✓	x	✓	✓	x	x	x
ProSelect Club	6	✓	x	✓	✓	x	x	x
ProSelect Sport TRT	7	✓	x	✓	✓	x	x	x
ProSelect Speed Germ	8	✓	x	x	x	x	x	x
ProSelect Droughtbuster	9	✓	x	x	✓	x	✓	x
ProSelect Classic	10	x	x	✓	✓	x	✓	x
ProSelect Landscape	11	x	x	x	x	x	✓	x
ProSelect Racecourse	12	x	x	x	✓	x	x	x
ProSelect Cricket	13	x	x	x	x	✓	x	✓
ProSelect Tees/Fairways	15	x	x	✓	x	x	✓	x
ProSelect Fescue Fairways	15	x	x	✓	x	x	✓	x
ProSelect Fescue Greens	16	x	✓	x	x	x	x	x
ProSelect 80/20 Greens	17	x	✓	x	x	x	x	x
ProSelect All Bent	18	x	✓	x	x	x	x	x
ProSelect Heritage	19	x	✓	x	x	x	x	✓
ProSelect Riptide	20	x	✓	x	x	x	x	x
ProSelect Piranha	21	x	✓	x	x	x	x	x



# ZipSeed

## Give your seeds a healthy start with ZipSeed technology

ZipSeed seed coating treatment ensures all plants grown from seed benefit from a vigorous start, benefiting from rapid root development to ensure survival against stresses including pests, disease, extreme weather and climate. Sports grass seed mixtures treated with ZipSeed establish far more effectively, without compromising seed numbers.

The seed coating treatment enhances seeding establishment by combining elements such as zinc and magnesium with humic and amino acids. These assist with the development of an extensive fibrous rooting system which enables seedlings

to maximise water and nutrient uptake. With a healthy start, plants develop robustly, requiring less management in the future.

- **Converts more seeds** into mature, performing turfgrass
- **Seeds germinate quicker**, creating denser tillering – even in stressed conditions
- **Increases root hair production**, improving nutrient uptake for a denser sward and fewer weeds
- **Produces stronger seedlings** able to resist pests and diseases

### The advantages of ZipSeed

- ✓ Improve germination speed by up to 30%
- ✓ Enhances rooting
- ✓ Increases grass cover by up to 20%



# ProSelect® 1 Premium Pitch



## Outstanding sports stadia performance

ProSelect 1 Premium Pitch offers outstanding turfgrass performance for surfaces used at the highest sporting level.

Combining three top-ranked perennial ryegrasses, it provides a fast-recovering, dense, hard-wearing surface.

With rapid establishment, it's well-suited to any high-calibre renovation programme.



### Cultivars and performance

<b>Europitch</b> Perennial ryegrass	40%
<b>Eurobeat</b> Perennial ryegrass	15%
<b>Eurodiamond</b> Perennial ryegrass	15%
<b>EuroCordus</b> Perennial ryegrass	15%
<b>Eurosport</b> Perennial ryegrass	15%

### Benefits

- › Top-ranked STRI varieties
- › Rapid renovation
- › Quick recovery from wear
- › ZipSeed treated to help optimise germination and establishment rates

### Areas of use

Stadia Pitches  
Sportsfields  
Tees/Surrounds  
Racecourses



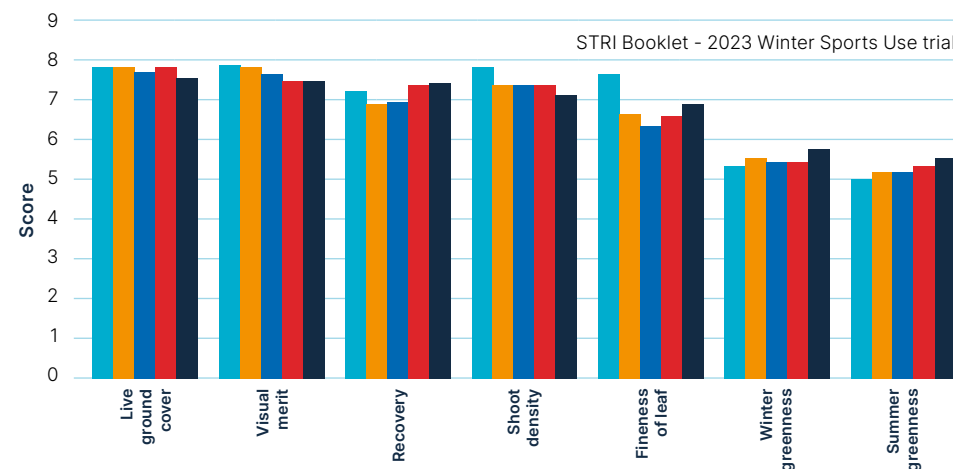
### Application information

Average sowing rate: **42.5g/m<sup>2</sup>**  
Mowing height: **10–35mm**

### Characteristics

Pack size: **20kg**

### Mixture score





# High quality pitch mixture

A multi-purpose, 100% perennial ryegrass sports renovation blend suitable for stadia, training pitches and general sports outfields at all levels.

ProSelect Club can also be applied in golfing areas under pressure from wear.

Combines the attributes of four excellent sports perennial ryegrasses offering high index scores for tolerance to wear, disease and divoting.



## Cultivars and performance

Carnac Perennial ryegrass	35%
Calico Perennial ryegrass	15%
Eurosport Perennial ryegrass	15%
Vermillion Perennial ryegrass	15%

For Vermillion data, see ProSelect Racecourse

## Benefits

- › High Sports Index rating
- › Rapid establishment
- › High shoot density
- › Excellent persistency
- › Great wear tolerance

## Areas of use

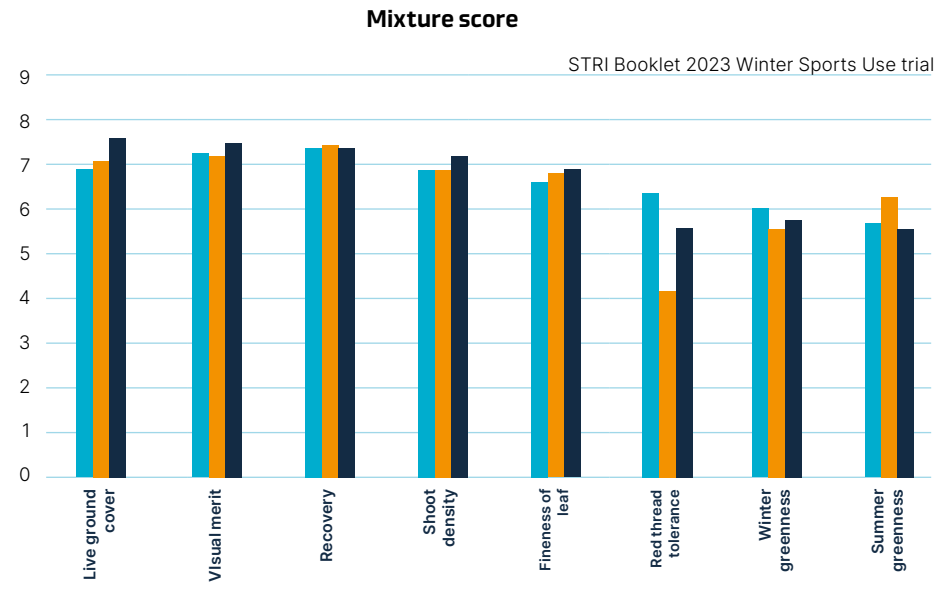
- All sports fields ✓
- Lawns & Landscaping ✓

## Characteristics

Pack size: 20kg

## Application information

Average sowing rate: 42.5g/m<sup>2</sup>  
Mowing height: 10-35mm



**ProSelect®**  
Sport TRT



## Broad spectrum disease tolerance

ProSelect Sport TRT is designed as a sports renovation blend with broad spectrum disease tolerance.

Torsion is classed as a small-seeded variety, therefore, kilo for kilo, there are up to 15% more seeds with Torsion than many other varieties, resulting in improved seedling density.

The combination of three unique perennial ryegrasses creates a blend to tolerate both winter and summer stresses.

### Benefits

- › Turf Repairing Tillers
- › High density cover
- › Quick recovery from wear
- › High seed numbers

### Areas of use

Sports Pitches  
Lawns  
Landscaping  
Equestrian



### Application information

Average sowing rate: **37.5g/m<sup>2</sup>**  
Mowing height: **10–35mm**

### Characteristics

Pack size: **20kg**

### Cultivars and performance

**Torsion** Perennial ryegrass

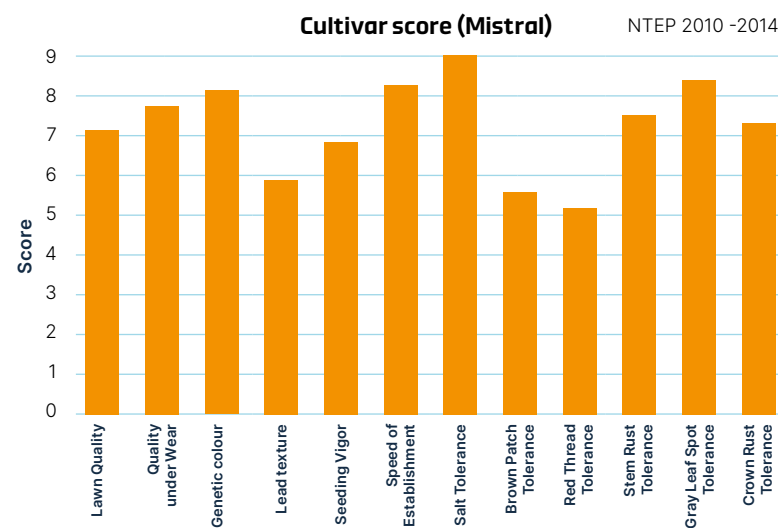
**33%**

**Mistral** Perennial ryegrass

**33%**

**Eurosport** Perennial ryegrass

**34%**



**ProSelect®**  
Speed Germ



## Extended seasonal use

ProSelect Speed Germ is a 100% perennial ryegrass renovation blend. Designed for early and late season use when ground temperatures are lower than optimal.

Agreement perennial ryegrass provides cold tolerance whilst Greenplanet delivers rapid installation and excellent disease tolerance.

Speed Germ helps maintain grass cover as part of an ongoing over-seeding programme. Speed Germ uses diploid perennial ryegrasses which consistently deliver superior turf quality characteristics compared with tetraploids and annual ryegrasses for wear and shoot density.



## Cultivars and performance

**Agreement** Perennial ryegrass

**Greenplanet** Perennial ryegrass

**Vermillion** Perennial ryegrass

50%

25%

25%

## Benefits

- › Extended seasonal over-seeding
- › Lower temperature germination
- › Excellent disease resistance

## Application information

Average sowing rate: **35g/m<sup>2</sup>**

Mowing height: **25–35mm**

## Areas of use

**Stadia Pitches**



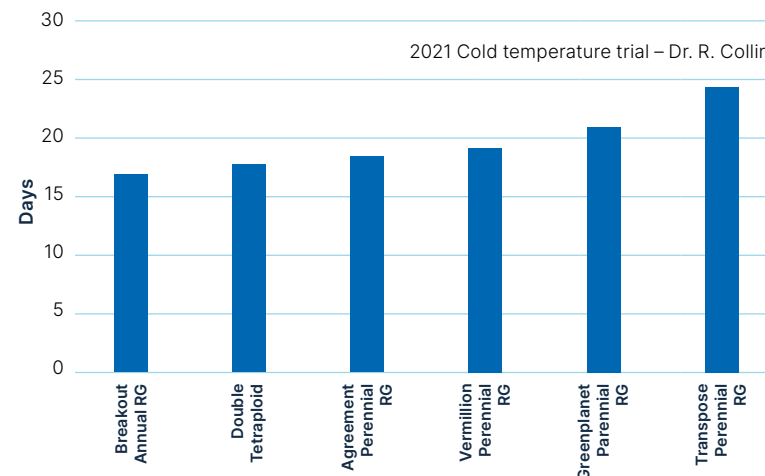
## Characteristics

Pack size:

**10kg**

## Days to Seedling Emergence at 5°C

2021 Cold temperature trial – Dr. R. Collins





# ProSelect® Droughtbuster

## Deep rooting mixture to aid drought tolerance

ProSelect Droughtbuster is a brand new introduction for 2023. More frequent summer droughts and higher temperatures are changing our choice of suitable turfgrass species to cope with these demands.

Already proven in Europe, Greenheaven can offer some real drought busting properties. Also in combination with Traction, the number 1 listed Smooth stalked meadow grass for sports, make Droughtbuster an exceptional mixture for all-round use.



### Cultivars and performance

**Greenheaven** Tall Fescue

85%

**Traction** Smooth stalked meadow grass

15%

### Benefits

- › High tolerance to heat and drought
- › Reduced watering
- › Highly ranked STRI varieties
- › Deep rooting
- › Outstanding wear tolerance
- › Stabilises sport and landscaping surfaces

### Application information

Average sowing rate:

50g/m<sup>2</sup>

Mowing height:

10-50mm

### Areas of use

- Sport grounds
- Polo and racecourses
- Drought prone soils
- Lawns & Landscaping
- Airfields

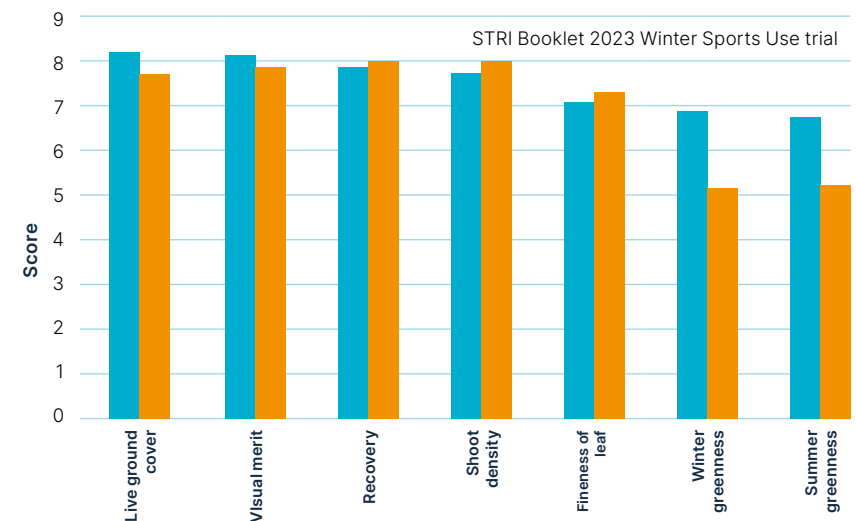


### Characteristics

Pack size:

20kg

#### Mixture score



# ProSelect<sup>®</sup> Classic



## A multi-purpose seed blend

ProSelect Classic is an all-purpose seed blend that can be used for a variety of turfgrass applications.

The blend contains Torsion TRT perennial ryegrass, offering the unique Turf Repairing Tiller growth habit.

Its highly dense fine leaf texture suppresses weed invasion and compliments the fine fescue elements of the blend.



## Cultivars and performance

**Torsion** Perennial ryegrass

**Calico** Perennial ryegrass

**Charlotte** Slender creeping red fescue

**Rubicus** Chewings fescue

**Ryder** Strong creeping red fescue

25%

25%

15%

15%

20%

## Benefits

- › Multiple application
- › Visually attractive
- › Turf Repairing Tillers
- › Tolerates varied management

## Application information

Average sowing rate: **42.5g/m<sup>2</sup>**

Mowing height: **10–25mm**

## Areas of use

**All-purpose**

**Tees**

**Fairways**

**Outfields**

**Lawns**

**Landscaping**



## Characteristics

Pack size:

**20kg**

## Cultivar score (Torsion)



# ProSelect<sup>®</sup> Landscape



## Multi-purpose blend

ProSelect Landscape combines two new perennial ryegrasses from the ICL stable, Greenplanet and Groundforce with a strong creeping red fescue to form a multipurpose, turf seed blend for high quality lawns, landscaping and recreational area.

Exhibiting a rich green colour with excellent disease and drought tolerance, this mix is an ideal choice for any professional undertaking a landscaping project.

### Benefits

- › Fast establishment
- › Aesthetically pleasing
- › Great ground cover and wear characteristic
- › All round lawn and landscaping applications

### Areas of use

Lawns  
Open space landscaping  
Recreational areas



### Application information

Average sowing rate: **42.5g/m<sup>2</sup>**  
Mowing height: **10–25mm**

### Characteristics

Pack size: **20kg**



### Cultivars and performance

**Groundforce** Perennial ryegrass

45%

**Greenplanet** Perennial ryegrass

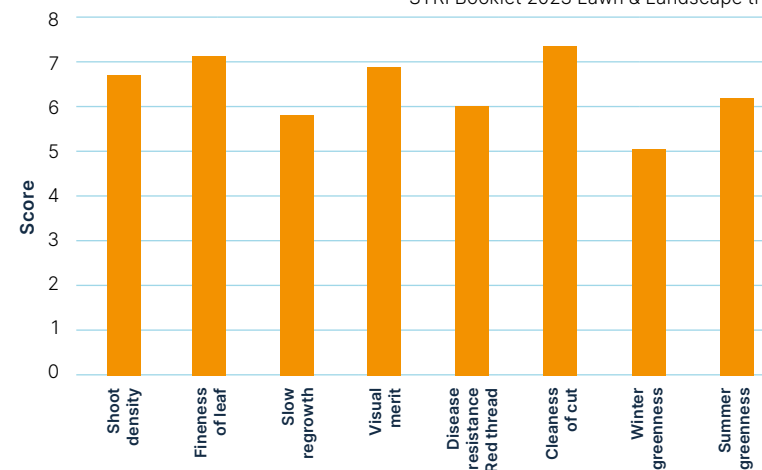
30%

**Ryder** Creeping red fescue

25%

### Cultivar score (Groundforce)

STRI Booklet 2023 Lawn & Landscape trial





**ProSelect®**  
Racecourse



## Stability and recovery

ProSelect Racecourse is a 100% perennial ryegrass renovation blend utilising key performance qualities from five varieties.

The combination of vigorous growth, rapid recovery after use and deep rooting, all provide a stable track for all events.



## Cultivars and performance

<b>Agreement</b>	Perennial ryegrass	20%
<b>Double Tetraploid</b>	Perennial ryegrass	25%
<b>Vermillion</b>	Perennial ryegrass	20%
<b>Torsion</b>	Perennial ryegrass	15%
<b>Carnac</b>	Perennial ryegrass	20%

## Benefits

- › Rapid establishment
- › Aggressive rooting for maximum stability
- › Fast recovery after meetings
- › Cold tolerance from New Zealand origin variety Agreement
- › Turf repair tillers using Torsion
- › Excellent disease tolerance

## Areas of use

**Racecourses**



**Gallops**



## Characteristics

Pack size:

**20kg**

## Application information

Average sowing rate:

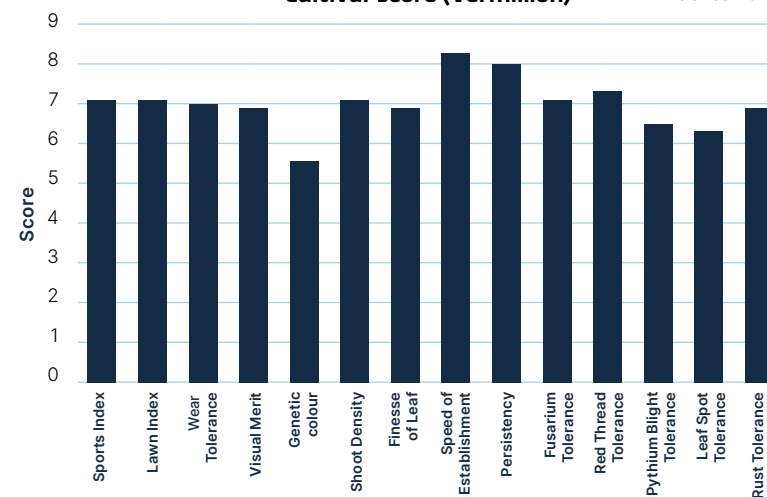
**35g/m<sup>2</sup>**

Mowing height:

**50-100mm**

## Cultivar score (Vermillion)

Geves 2022



# ProSelect<sup>®</sup> Cricket



## For dense, deep rooting

There are many factors determining the playability of a cricket square. Turfgrass choice is just one of them but forms an integral part of providing stability to the wicket construction.

ProSelect Cricket combines the best characteristics of three perennial ryegrasses to create a rapidly establishing blend that offers dense cover and deep rooting capabilities. The inclusion of Torsion TRT adds a unique ingredient for improved recovery and visual appeal.

## Benefits

- › Strong deep rooting
- › Quick germination
- › Close mowing tolerance
- › Great recovery

## Areas of use

Cricket



Lawn Tennis



## Characteristics

Pack size:

20kg

## Application information

Average sowing rate:

35g/m<sup>2</sup>

Mowing height:

7–15mm

## Cultivars and performance

Torsion Perennial ryegrass

40%

Columbine Perennial ryegrass

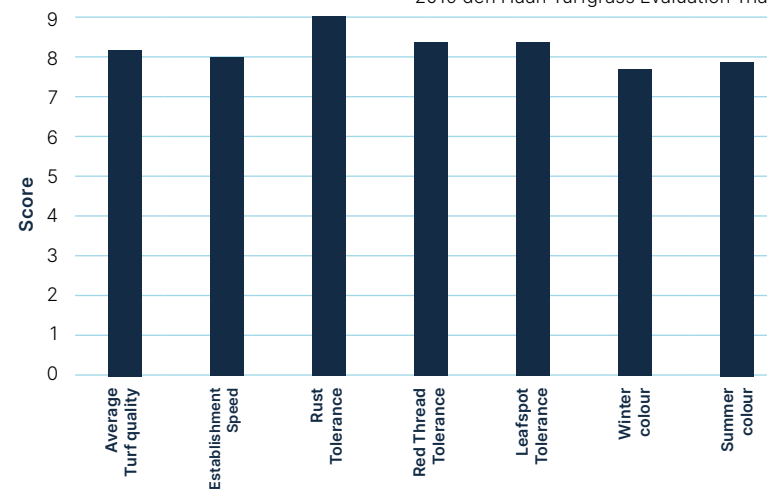
30%

Greenplanet Perennial ryegrass

30%

## Cultivar score (Greenplanet)

2019 den Haan Turfgrass Evaluation Trials



# ProSelect® Tees/Fairways



## Strong divot recovery

A blend of fine fescues and perennial ryegrass that creates a turf surface that can recover strongly from divoting.

Traction smooth-stalked meadow grass, No.1 ranked for wear and Torsion TRT perennial ryegrass, provides rhizomatous and Turf Repairing Tiller (TRT) growth for extra durability and recovery from divots.

Adaptable to variable cutting heights to produce the desired turf composition.



## Cultivars and performance

**Charlotte** Slender creeping red fescue

**Filius** Chewings fescue

**Groundforce** Perennial ryegrass

**Torsion** Perennial ryegrass

**Traction** Smooth stalked meadow grass

20%

20%

25%

25%

10%

## Benefits

- › Turf repairing tillers & rhizomes
- › Provides great colour
- › All-round disease tolerance
- › Close mowing tolerance

## Application information

Average sowing rate:

30g/m<sup>2</sup>

Mowing height:

10–25mm

## Areas of use

Tees/Surrounds

Fairways

Rough

Hard-wearing Lawns

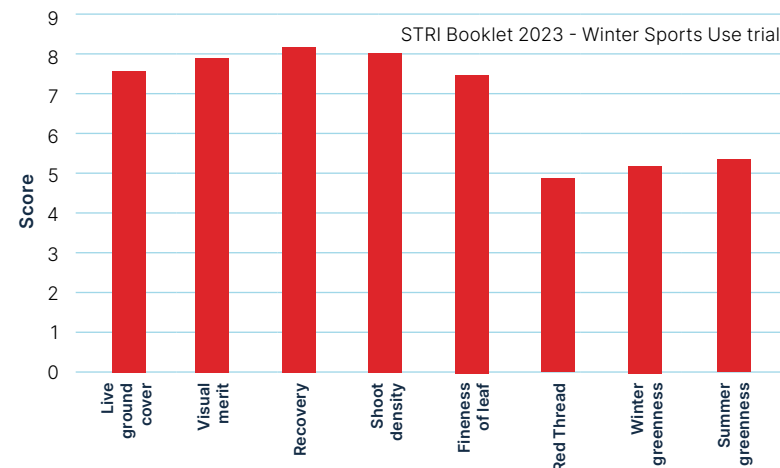


## Characteristics

Pack size:

20kg

## Cultivar score (Traction)





# ProSelect® Fescue Fairways



## Low input and great in the shade

ProSelect Fescue Fairways is our premium fairway blend, ideal for new and existing fairway seeding.

With natural tolerance to salinity, the blend is ideal for links environments and courses looking for shade and drought tolerance.

The use of highly ranked varieties ensures it performs well in UK & Ireland conditions.



## Cultivars and performance

**Charlotte** Slender creeping red fescue

**Filius** Chewings fescue

**Ryder** Strong creeping red fescue

30%

30%

40%

## Benefits

- › 100% fine fescue blend
- › Premium varieties
- › Strong recovery from divoting
- › Shade and salt tolerant

## Application information

Average sowing rate: **30g/m²**

Mowing height: **10–25mm**

## Areas of use

Tees

Fairways

Outfields

Fine Lawns

Landscaping



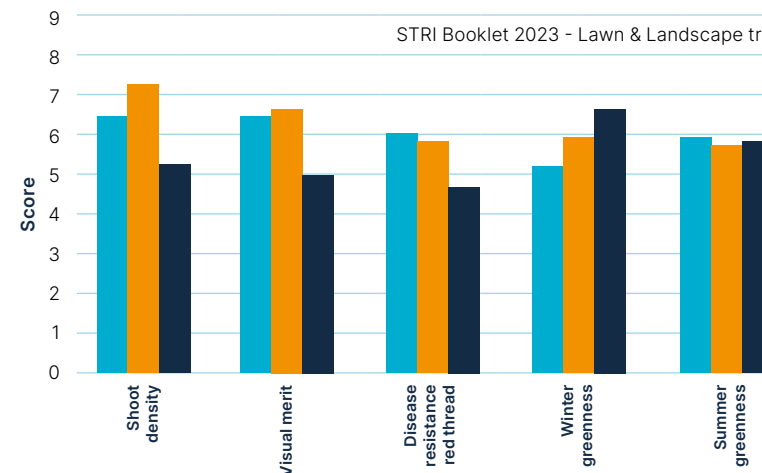
## Characteristics

Pack size:

**20kg**

## Mixture score

STRI Booklet 2023 - Lawn & Landscape trial



# ProSelect® Fescue Greens



## Low input greens blend

ProSelect Fescue Greens is a combination of Slender and Chewings fescue selected for their high shoot density, tolerance to close mowing and excellent disease tolerance.

For courses with a lower input system of minimum sustainable nutritional levels and little or no fungicide, this seed blend is an excellent choice. Using only highly ranked STRI-listed varieties, this blend is ideal for those wishing to produce turf sustainably.



## Cultivars and performance

**Charlotte** Slender creeping red fescue

**Filius** Chewings fescue

50%

50%

## Benefits

- › 100% fine fescue
- › Low nutrient input
- › All-round disease tolerance
- › Close mowing tolerance

## Application information

Average sowing rate: **30g/m<sup>2</sup>**

Mowing height: **3-7mm**

## Areas of use

**Golf Greens**

**Bowling Greens**

**Fine Lawns**

**Croquet Lawns**



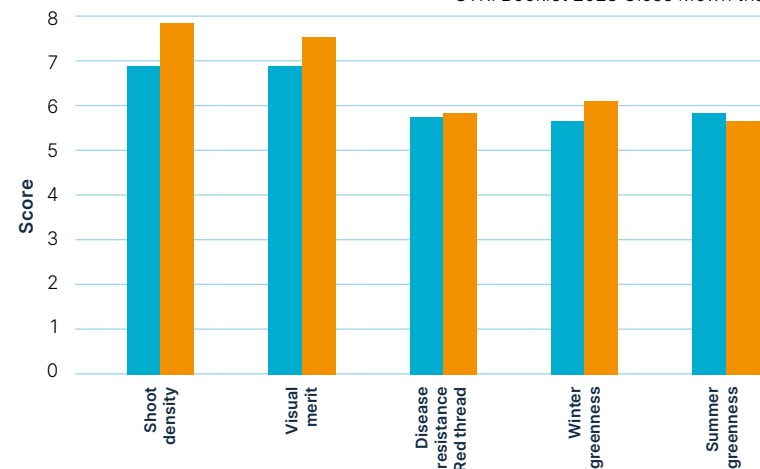
## Characteristics

Pack size:

**20kg**

## Mixture score

STRI Booklet 2023 Close Mown trials



# ProSelect® 80/20 Greens



## A traditional fescue and bent grass blend

ProSelect 80/20 is a traditional fescue/bent grass blend.

Heritage browntop bent is a newly listed *Agrostis* which maintains excellent winter and summer colour.

The blend is further improved through the incorporation of high-performing fine fescues.



## Cultivars and performance

**Charlotte** Slender creeping red fescue

**Filius** Chewings fescue

**Heritage** Browntop bent

## Benefits

- › Dense growth habit
- › Great colour
- › All-round disease tolerance
- › Close mowing tolerance

## Application information

Average sowing rate: **30g/m<sup>2</sup>**

Mowing height: **3–7mm**

## Areas of use

**Golf Greens**

**Bowling Greens**

**Fine Lawns**

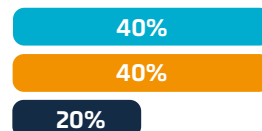
**Croquet Lawns**



## Characteristics

Pack size: **20kg**

## Cultivar score (Filius)





**ProSelect®**  
All Bent



## Dual variety greens blend

ProSelect All Bent is a blend of *Agrostis capillaris* designed for golf and bowling green renovation as well as the establishment of newly constructed greens.

The blend forms a highly competitive surface for out-competing *Poa annua*.

Deep rooting, vibrant summer and winter colour further enhances this blend's appeal.



## Cultivars and performance

**Heritage** Browntop bent

70%

**Egmont** Browntop bent

30%

## Benefits

- › Excellent Microdochium patch tolerance
- › Reduced nutritional inputs
- › Great summer & winter colour
- › STRI-listed varieties

## Areas of use

**Golf Greens**



**Bowling Greens**



## Characteristics

Pack size:

**10kg**

## Application information

Average sowing rate:

**6.5g/m<sup>2</sup>**

Mowing height:

**3–5mm**

## Mixture score



**ProSelect®**  
Heritage



## High performance at low input levels

Nationally listed in the UK and Nordics, Heritage Browntop bent is ideal for over-seeding of golf and bowling green.

Heritage has excellent shoot density, visual appearance aided by excellent tolerance to Microdochium patch.

Heritage is also cold tolerant, retaining good winter colour as well as a vibrant green in summer.

### Benefits

- › Excellent Microdochium patch tolerance
- › Adaptable to UK & Ireland conditions
- › Close mowing tolerance
- › Retains great winter colour

### Areas of use

**Golf Greens**



### Characteristics

Pack size:

**11.35kg**

### Application information

Average sowing rate:

**5g/m<sup>2</sup>**

Mowing height:

**2-7mm**

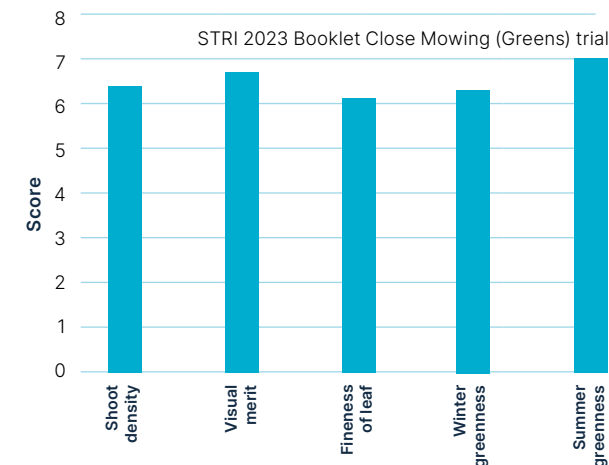


### Cultivars and performance

**Heritage** Browntop bent

**100%**

### Cultivar score (Heritage)



**ProSelect®**  
**Riptide**



## Oustanding greens renovation characteristics

Riptide creeping bent is a leading variety throughout Europe and the US and already has a wide industry following due to its track record.

Riptide exhibits fast establishment, great summer and winter performance with exceptional drought and cold tolerance.

Combined with high tolerance to the major turf diseases, Riptide provides course managers greater success rates for renovation programmes.

### Benefits

- › Aggressive establishment
- › Adaptable to conditions in the UK & Ireland
- › Upright growth habit
- › Lighter colour integrates well into greens

### Areas of use

**Golf Greens**



### Characteristics

Pack size:

**11.35kg**

### Application information

Average sowing rate:

**5g/m<sup>2</sup>**

Mowing height:

**2-7mm**

### Cultivars and performance

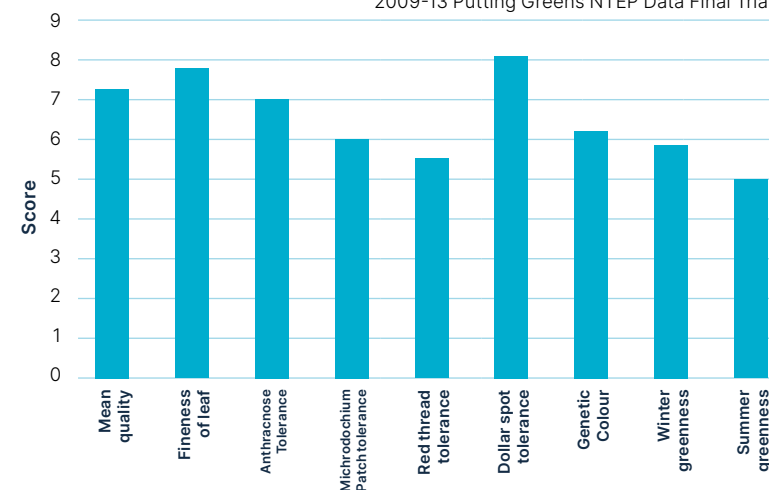
**Riptide** Creeping bent

**100%**



### Cultivar score (Riptide)

2009-13 Putting Greens NTEP Data Final Trials





**ProSelect®**  
Piranha



## Tolerant to all major turf diseases

Piranha is a new creeping bent grass, from the same stable as Riptide.

Piranha offers earlier spring green up, producing a darker green colour as well as excellent tolerance to Anthracnose, Dollar spot and Brown patch disease.

### Benefits

- › High tolerance to turf stresses
- › Retains good colour all year round
- › Early spring green-up
- › Deep rooting

### Areas of use

Golf Greens



### Characteristics

Pack size:

11.35kg

### Application information

Average sowing rate:

5g/m<sup>2</sup>

Mowing height:

2-5mm

### Cultivars and performance

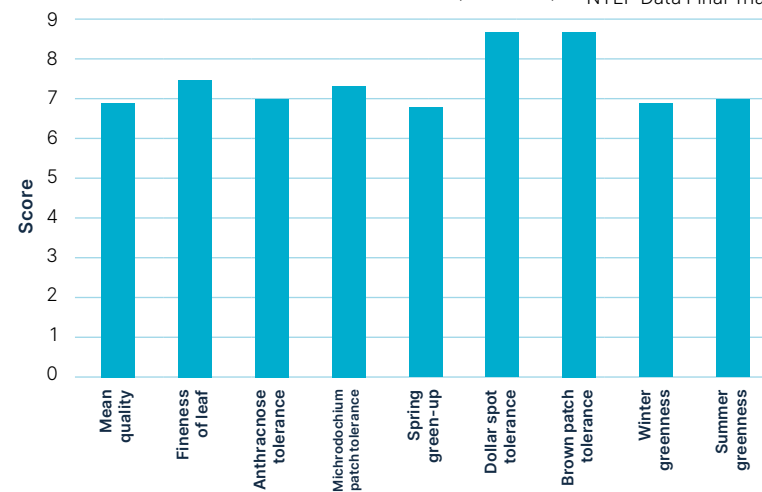
Piranha Creeping bent

100%



#### Cultivar score (Piranha)

2018 Putting Greens NTEP Data Final Trials



## The seven stages of germination

Selected by the pros to exceed expectations.



### Stage 1

A viable seed will consist of a plant embryo protected by a seed coat, and contain a food source, mostly starch, but also including other essential nutrients needed for germination.



### Stage 2

Sufficient water is key for germination to begin. The seed takes in a small amount of water, raising the seed moisture content and the seed swells breaking open the seed coat.



### Stage 3

The moisture triggers enzyme action in processes such as cell respiration. Oxygen is required by the growing embryo for cell respiration, which releases the energy stored in the starch to be used for growth.



### Stage 4

The radicle (embryonic root) emerges from the seed first through the split seed coat.



## Stage 5

The plumule (embryonic shoot) grows towards the light by a combination of gravitropism and phototropism. It is protected by a colourless sheath to prevent damage as it emerges through the soil.



## Stage 6

The young root system must extend to find water and minerals for the plant to develop and uses gravitropism to grow downwards. As the shoot receives light it becomes thicker and stronger, with the leaves unfolding and turning green, allowing the young plant to begin photosynthesis.



## Stage 7

The germination phase ends with the seed carbohydrate source diminished and the young plant producing its own food through photosynthesis which can be used in respiration and growth. The roots will take up water and nutrients to continue to grow and support the plant's development.

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