DLF Seeds is a relatively new seed company in New Zealand, established in 2004. However its roots go back more than 100 years; DLF Seeds is owned by DLF Trifolium, a Danish seed farmers’ cooperative which began business in 1906. DLF is easily the world’s largest seed company involved in the breeding, production and sale of temperate climate grasses and clovers.

DLF is active in both the forage (agriculture) and turf (amenity) sectors. DLF combines the world’s largest grass and clover research programme (spread over its 9 breeding stations worldwide) with local testing in dozens of countries to ensure that customers get the very best solutions to their needs. This makes our motto very appropriate, ‘A world of seed innovation, right here’.

Our professional turf customers are generally very quality-conscious and demand a number of useful traits in turf grass seed. Our new and innovative concepts together with on-going development of our variety portfolio provide our customers with a continuously expanding range of turf solutions.

High quality and documented results from variety lists and independent trials in many countries means that DLF’s turf varieties are appearing in the most prestigious venues. DLF supplied turf seed for many stadiums used for the 2012 European Football Championship, and in the 2012 Olympic Games in London our turf solutions played a dominant role both at the stadiums and the green areas outside the venues. DLF turf varieties can also be seen in some of the most iconic sports grounds and golf courses in Australia and New Zealand.

This Turf Variety Product Guide highlights some of our most successful varieties, all of which have passed intensive local testing. I am sure that these varieties will add value to your business. The DLF Seeds team looks forward to being of service to you.

Tom Bruynel
General Manager, DLF Seeds Ltd.
Introducing DLF Seeds

Turf Perennial Ryegrass
   Keystone 2/ Gator 3/ Derby Xtreme/ Tophat 2/ PR8821/ All*Star 3

Annual Ryegrass  Axcella 2

Long Rotation Ryegrass  Jeta

Tetraploid Perennial Ryegrass  4Turf

Fescue
   Tall  Bingo/ Jamboree/ Rhizing Star
   Creeping Red  Cindy Lou/ Mystic
   Chewings  Longfellow 2/ Calliope
   Slender Creeping  Helena
   Hard  Ridu

Poa trivialis  Sabre 3/ Laser

Browntop Bent  NZ Browntop/ Denso

Creeping Bentgrass  Cobra 2

Kentucky Bluegrass  Conni

Couch  Bermuda

Kikuyu

Microclover®  Pirouette

DLF Blends

Record of Use

Notes

www.dlfseeds.co.nz
Quick Facts

KEYSTONE 2 was one of the top varieties in the NTEP Perennial Ryegrass trials.

The most significant improvements of Keystone 2 over the original Keystone are its increased density, summer performance and disease resistance.

KEYSTONE 2 also has one of the finest leaf textures of any perennial ryegrass variety. KEYSTONE 2 does well under heavy wear traffic. An excellent resistance to Crown Rust and cool season Brown Patch reduces the need for fungicide applications.

Earlier spring green-up means denser turf earlier in the year, which can be an important advantage for sports fields and golf courses.

<table>
<thead>
<tr>
<th>Density</th>
<th>Rust resistance</th>
<th>Wear tolerance</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Rating

USE
- Sports fields
- Golf courses
- Parks & reserves
- Home lawns
- Landscaping

Sowing Rate
30-40 (g/m²)
(20-30 when oversowing)

Endophyte Level
- High

BENEFITS
- Dark green colour
- Consistent
- High disease & rust resistance
- Low maintenance
- Low inputs
Quick Facts

GATOR 3 is heat resistant and disease tolerant, very dark green, fine leaved variety. It is highly recommended for areas where heat and humidity are an establishment factor.

GATOR 3 is placed best overall for turf quality in the 1999 NTEP Perennial Ryegrass Test, competing against 134 other Perennial Ryegrass varieties.

GATOR 3 is recommended for permanent poly-species turfgrass blends and mixtures and is also used extensively in winter oversowing programmes on sports fields, tees and fairways, either alone or in species mixtures.

USE
- Golf courses
- Sports fields
- Parks & reserves
- Landscaping

Sowing Rate
- 30–40 (g/m²)
  (20–30 when oversowing)

Endophyte Level
- High

BENEFITS
- Dark green colour
- Good heat tolerance
- High wear tolerance
- Excellent turf quality
- High disease resistance

Rating

<table>
<thead>
<tr>
<th>Disease resistance</th>
<th>Wear tolerance</th>
<th>Colour</th>
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</thead>
<tbody>
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</tbody>
</table>
Quick Facts

DERBY XTREME is an elite perennial ryegrass featuring a dark green turf colour, a fine leaf texture and excellent autumn density. Based on the latest ANTEP data, this sturdy variety should stand up well against wear, making it a top choice for sports fields and other high traffic areas. DERBY XTREME has demonstrated strong resistance to rust, grey leaf spot and brown patch diseases. DERBY XTREME is a proven standout for high-end sports turf and home lawns.

DERBY XTREME was developed for permanent polycultures turfgrass blends and mixtures containing improved perennial ryegrass; Kentucky bluegrass; chewings, slender creeping and strong creeping red rescue; colonial bentgrass and turf type tall fescue. DERBY XTREME can also be used in winter oversowing blends and mixtures on sports fields, tees and fairways where rapid transitional qualities are desired.

Final of ANTEP Perennial Ryegrass & Tall Fescue Variety Trial (2007 & 2008)

<table>
<thead>
<tr>
<th>Variety</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>DERBY XTREME</td>
<td>7.4</td>
</tr>
<tr>
<td>SR 4600</td>
<td>7.3</td>
</tr>
<tr>
<td>FIESTA 4</td>
<td>7.3</td>
</tr>
<tr>
<td>CUTTER 2</td>
<td>7.3</td>
</tr>
<tr>
<td>~~~</td>
<td></td>
</tr>
<tr>
<td>INDIAN</td>
<td>6.4</td>
</tr>
<tr>
<td>PINSTRIPE</td>
<td>6.4</td>
</tr>
<tr>
<td>VICTORIAN RYE</td>
<td>5.2</td>
</tr>
<tr>
<td>MATILDA</td>
<td>4.6</td>
</tr>
</tbody>
</table>

**Quick Facts**

TOPHAT 2 is heat and disease tolerant, very dark green, endophyte enhanced Perennial Ryegrass variety. It can be utilised in all Perennial Ryegrass applications where high quality turf is desired. TOPHAT 2 forms a leafy fine textured turf with rapid germination, excellent traffic tolerance, and poly-species compatibility.

In the 2001 Rutgers Turfgrass Proceedings report, TOPHAT 2 showed resistance to Gray leaf spot, a disease devastating to many turf grasses: “Two experimental selections, RNS comp, and PR-154 (TOPHAT 2) showed very good resistance to this disease.” (2001 Rutgers Turfgrass Proceedings). It is also excellent for winter oversowing programmes on sports fields, tees and fairways, either alone or in species mixtures.

**USE**
- Golf courses
- Sports fields
- Home lawns
- Parks & reserves

**Sowing Rate**
- 30-40 (g/m²)
- (20-30 when oversowing)

**Endophyte Level**
- High

**BENEFITS**
- Dark green colour
- Quick establishment
- Strong wear tolerance
- Leaf spot resistant

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**Rating**

<table>
<thead>
<tr>
<th>Density</th>
<th>Fineness of leaves</th>
<th>Colour</th>
<th>Salt tolerance</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>

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www.dlfseeds.co.nz
Quick Facts

PR8821 is a top quality perennial ryegrass that exhibits a mid green colour, excellent density, disease resistance, and winter-hardiness.

It is compatible with other improved perennial ryegrasses - Kentucky Bluegrass, Chewings, Creeping and Strong Creeping Red Fescue, and Colonial Bentgrass.

It is highly recommended as a component in winter oversowing mixtures and blends on sports fields, tees and fairways where quick transition is desired.

<table>
<thead>
<tr>
<th>Rating</th>
<th>Density</th>
<th>Wear tolerance</th>
<th>Rust resistance</th>
<th>Winter hardiness</th>
</tr>
</thead>
</table>

USE

- Sports fields
- Golf courses
- Home lawns
- Landscaping

Sowing Rate
- 30-40 (g/m²)
  (20-30 when oversowing)

BENEFITS

- Excellent winter-hardiness
- Mid green colour
- Very fine-leaved
- Quick transition
- Good shade tolerance
- Excellent density
- Good wear tolerance
- Excellent disease resistance

NEW FOR 2013

Perennial Ryegrass

www.dlfseeds.co.nz
Quick Facts

ALL*STAR 3 is an elite, new generation, heat and humidity tolerant, very dark green, fine textured variety.

ALL*STAR 3 is an endophyte enhanced variety with high resistance to disease and pests. It is highly recommended for permanent turf applications where heat and humidity may limit the adaptation of perennial ryegrass turf.

ALL*STAR 3 is also recommended for winter oversowing of warm season grasses.
Quick Facts

AXCELLA 2 is the second generation of commercially available turf-type Annual Ryegrass. It was developed from unique Dwarf Annual Ryegrass plants that exhibit greater shoot density, narrower leaf blades, less vertical leaf growth, and a darker green leaf colour than standard Annual Ryegrass cultivars.

AXCELLA 2 exhibits strong seedling vigour for a weed-free turf and requires less pesticide use.

AXCELLA 2 was developed originally for autumn/winter oversowing where rapid spring transition is desired. Recently it has been used in Australia and New Zealand where it can be used in several ways: The most common use is in mixtures with Perennial Ryegrass to provide quick cover.

AXCELLA 2 can be used in blends and oversowing.

This has been very useful on sports fields that receive almost constant playing pressure, and in situations where adequate turf is needed on very short notice.

USE

- Sports fields
- Golf courses
- Landscaping
- Oversowing of Couch
- Blends

Sowing Rate
25-30 g/m²
(15-25 when oversowing)

BENEFITS

- Fine texture
- Very quick growth
- High tiller density
- Mid/dark green colour
- Low inputs
- Transitional

Rating

<table>
<thead>
<tr>
<th>Fast establishment</th>
<th>Colour</th>
<th>Density</th>
<th>Salt tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>
The No.1 Choice for renovations and oversowing

Quick Facts

Ryegrass is one of the most well-adapted grasses for use under extreme traffic conditions. JETA AR1 long rotation ryegrass provides outstanding regeneration after heavy use making it ideal for stud and equine use. The structure of its leaves, dense growth and vigorous growth rate secures the best wear tolerance for shear damage.

A strong year-round performer, JETA AR1 delivers excellent growth throughout the difficult winter and early spring periods. The animal-friendly AR1 endophyte in JETA provides protection against insect pasture pests.

JETA AR1 is also being used in Ryegrass and Kikuyu blends and has shown to be an outstanding partner seed choice.

<table>
<thead>
<tr>
<th>Rating</th>
<th>Wear tolerance</th>
<th>Regeneration</th>
<th>Establishment</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
What is 4TURF?

4TURF is a new turf type of tetraploid perennial ryegrass bred especially for rapid installation and unique stress tolerance. Tetraploid ryegrasses have long been known to show better stress tolerance and disease tolerance compared to diploids. Now these advantages have become available for turf grasses as 4TURF.

Better sward quality after stress

In southern and continental areas in Europe 4TURF shows better recovery from both drought and heat stress as well as winter stress. Thus it outperforms ordinary diploid ryegrasses.

Rapid installation

4TURF seeds are 1.5 times bigger than normal turf grasses. 4TURF produces stronger seedlings with faster establishment, resulting in less chances for the establishment of weeds. Thus 4TURF is the perfect oversowing choice for perennial ryegrass applications.

4TURF is very well suited for oversowing Bermuda in the transition zone resulting in a fast establishment and excellent turf quality but no more clippings.

Better disease resistance and stress tolerance

4TURF has an improved disease resistance, both under warm and cold conditions. In DLF trials from Scandinavia to the Mediterranean it has proven to be more resistant against F.E. rust, Fusarium, Elminthosporium, Drechslera, and Red Thread. It is very well suited for extensive management conditions.
4turf
Tetraploid Perennial Ryegrass

**BENEFITS**
- Better sward quality after summer stress
- Better sward quality after winter stress
- Reduced fertiliser and chemical input costs
- Reduced labour costs

**Good wear tolerance**
In German trials 4TURF varieties Double and Tetragreen are rated 8 sport/wear conditions using a 1-9 score. The shear strength is enhanced due to the deeper root systems.

**Excellent blend partner**
4TURF is slightly less dense compared to normal Diploid Turf Ryegrasses. As a result its companion species in blends have better establishment. When combined with Annual Ryegrasses and Tall Fescue the larger leaves of 4TURF result in a more homogeneous aspect of the turf.

When combined with an Elite Diploid Perennial Ryegrass, the result will be a dense sward, combining the best of both worlds. When 4TURF is used for oversowing Bermuda, the slightly more open structure compared to diploids, results in a faster re-growth of the Bermuda after dormancy. 4turf is healthier in winter. After winter it outperforms diploid ryegrasses.

**DLF Seeds Research Centre 12 month report:**
To date Double has scored on average, high (between 7-8.5) across establishment, density and uniformity. (Scale 1-9)
Double also scored really high in vigour.

### Better sward quality after winter stress

<table>
<thead>
<tr>
<th>Country</th>
<th>4turf Variety</th>
<th>Fusarium</th>
<th>Rank</th>
<th>Red Thread</th>
<th>Rank</th>
<th>Winter Greenness</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>NL</td>
<td>Tetragreen</td>
<td>8.3</td>
<td>4 out of 46</td>
<td>7.8</td>
<td>1 out of 46</td>
<td>8.0</td>
<td>1 out of 46</td>
</tr>
<tr>
<td>UK</td>
<td>Tetragreen</td>
<td>8.6</td>
<td>3 out of 101</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UK</td>
<td>Double</td>
<td>9.2</td>
<td>1 out of 101</td>
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</tr>
</tbody>
</table>

Source: official trials in the Netherlands (sport, sown in 2006) and UK (lawn, sown in 2007). 
poor = 1 - 9 = ideal
Quick Facts

BINGO is a new and improved, heat and disease resistant, Tall Fescue variety developed for superior turf quality across a wide area of adaptation.

BINGO is a special blue/green, moderately fine textured tall fescue with excellent wear tolerance. It exhibits a unique combination of traits including improved turf density and resistance to Brown Patch.

BINGO is bred for added disease resistance and is the perfect choice for sod growers. It is recommended for permanent turf in full or partial shade on golf course roughs, out of bounds areas, and low maintenance sites. It can be utilised in poly-species grass seed mixtures maintained at a moderate height of cut. It can also be mixed with Kentucky Bluegrass for cool and warm season turf in extreme climates for Australia and New Zealand.

| Source: Geves (off. French testing). |
| Comparison of BINGO (Debussy 1 in Europe) with average of all varieties on French list 2005. |
For high traffic & low maintenance

Quick Facts

JAMBOREE was developed for areas with high traffic requiring low maintenance. JAMBOREE will retain its superior turf quality under less than optimum conditions. It has exceptional resistance to Brown Patch disease.

It is widely adapted to varying climatic conditions. JAMBOREE is a top choice for sports fields, home lawns, parks and playing fields.

JAMBOREE is recommended for permanent turf in full or partial shade on golf course roughs, out-of-bounds areas and low maintenance sites. It can be used in poly-species grass seed mixes maintained at a moderate height of cut.

JAMBOREE can be used in dry temperate regions in addition to hot and humid regions with excellent results.

USE
- Home lawns
- Parks & reserves
- Sports fields
- Golf courses

Sowing Rate
35-45 (g/m²)
(25-35 when oversowing)

BENEFITS
- Rapid establishment
- Dense fine blades
- Medium dark green colour
- Excellent wear tolerance

Rating

<table>
<thead>
<tr>
<th>Turf quality</th>
<th>Density</th>
<th>Colour</th>
<th>Wear tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>
Quick Facts

RHIZING STAR is a new and improved, heat and disease resistant tall fescue variety developed for superior turf quality across a wide area of adaptation. RHIZING STAR is a dark green, moderately fine textured variety that exhibits excellent wear tolerance, improved turf density and resistance to Brown Patch. It quickly forms a strong dense turf because of its rhizomatous root system. RHIZING STAR is endophyte enhanced for added disease resistance.

RHIZING STAR is recommended for permanent turf in full or partial shade on golf course roughs and low maintenance sites. It is an excellent choice for sod growers. It can be utilised in poly-species grass seed mixtures maintained at a moderate height of cut.

USE
• High traffic conditions
• Parks & reserves
• Sod turf growers
• Golf courses

Sowing Rate
35-45 (g/m²)
(25-35 when oversowing)

Endophyte Level
- High

BENEFITS
• Good drought tolerance
• Good disease resistance
• Excellent wear tolerance
• Very good density
• Good disease resistance
• Dark green colour
First for Quality!

Quick Facts

CINDY LOU is a dark green, fine leaf textured, rhizomatous variety of Creeping Red Fescue.

CINDY LOU exhibits a distinctly green and aesthetically pleasing growth habit. It has excellent seedling vigour and is best adapted to shady sites where low fertility and moderately high pH conditions prevail.

Data from the 2000 NTEP Fine Fescue Progress Report conducted across 28 locations in the US and UK indicates that CINDY LOU tied for 1st in turf quality among all fine fescue varieties.

<table>
<thead>
<tr>
<th>USE</th>
<th>Sowing Rate</th>
<th>BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sports fields</td>
<td>35-45 (g/m²)</td>
<td>Drought &amp; cold tolerant</td>
</tr>
<tr>
<td>Golf courses</td>
<td>(25-35 when oversowing)</td>
<td>Quick spring green-up</td>
</tr>
<tr>
<td>Landscaping</td>
<td></td>
<td>Very high shoot density</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excellent winter colour</td>
</tr>
</tbody>
</table>

FESCUE18

Cindy Lou
Creeping Red Fescue

Rating

<table>
<thead>
<tr>
<th>Density</th>
<th>Drought tolerance</th>
<th>Winter colour</th>
<th>Cold tolerance</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

www.dlfseeds.co.nz
High shoot density and high disease resistance

Quick Facts

MYSTIC is a robust and adaptable fescue. Among the fastest establishing of the fescue varieties. MYSTIC has excellent recuperation.

Often a variety possesses one strong point in disease resistance, but MYSTIC has several! In the official trials in France, MYSTIC has scored highly not only in rust and helminthosporium resistance, but also against Fusarium.

<table>
<thead>
<tr>
<th></th>
<th>INDEX ORNAMENTAL</th>
<th>RESISTANCE TO RUST</th>
<th>RESISTANCE TO HELMINTHOSPORIUM</th>
<th>RESISTANCE TO FUSARIUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>MYSTIC</td>
<td>6.1</td>
<td>7.3</td>
<td>6.4</td>
<td>6.4</td>
</tr>
<tr>
<td>PERNILLE</td>
<td>5.8</td>
<td>6.6</td>
<td>6.3</td>
<td>6.3</td>
</tr>
<tr>
<td>SUNSET</td>
<td>5.1</td>
<td>7.2</td>
<td>5.6</td>
<td>5.6</td>
</tr>
<tr>
<td>LAXTON</td>
<td>6.0</td>
<td>7.3</td>
<td>6.4</td>
<td>6.4</td>
</tr>
</tbody>
</table>

Source: Geves 2004 1-9, 9 = best.

Rating

<table>
<thead>
<tr>
<th>Density</th>
<th>Colour</th>
<th>Salt tolerance</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

USE

- Sports fields
- Golf courses
- Home lawns
- Parks & reserves
- Landscaping

Sowing Rate

35-45 (g/m²)
(25-35 when oversowing)

BENEFITS

- High persistence
- Very high shoot density
- High rust resistance
- High fusarium resistance
Quick Facts

LONGFELLOW 2 is the newest and highest rated of the improved Chewings Fescues in Australia and New Zealand. It has a deep dark green colour that exhibits aggressive fine textured shoots and a unique, compact winter dormant growth habit.

LONGFELLOW 2 has a reduced rate of vertical growth that results in less mowing. It has good shade tolerance and is adapted to low fertility and moderately high soil pH conditions.

Data from the 2000 NTEP Fine Fescue Program Report conducted across 28 locations in the US and Canada indicates that LONGFELLOW 2 tied for 1st in turf quality among other Chewings Fescue varieties. It is best utilised in poly-species turfgrass mixtures and for winter oversowing.

<table>
<thead>
<tr>
<th>Turfgrass Quality 2000 NTEP Trial data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>LONGFELLOW 2</td>
</tr>
<tr>
<td>JASPER II</td>
</tr>
<tr>
<td>OXFORD</td>
</tr>
<tr>
<td>CINDY LOU</td>
</tr>
<tr>
<td>AMBASSADOR</td>
</tr>
<tr>
<td>ABT-NF-2</td>
</tr>
<tr>
<td>SRX 52961</td>
</tr>
<tr>
<td>HARDTOP</td>
</tr>
<tr>
<td>NAVIGATOR</td>
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<tr>
<td>NORDIC (E)</td>
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</tbody>
</table>

Scale 1-9; 9 = ideal
Quick Facts

CALLIOPE has no rhizomes but the highest density of shoots of all Fescue varieties.

When using CALLIOPE in blends, it is often necessary to add one of the other types of Fescue with rhizomes in order to facilitate the infill and repair of gaps in the sward.

As shoot density is very high, Chewings Fescue is an integral component of blends to tolerate close mowing.

<table>
<thead>
<tr>
<th>Rating</th>
<th>Germination</th>
<th>Shade tolerance</th>
<th>Establishment</th>
<th>Colour</th>
</tr>
</thead>
</table>

USE

- Sports fields
- Golf courses
- Shady areas
- Oversowing of couch & kikuyu

Sowing Rate

35–45 g/m²
(25–35 when oversowing)

BENEFITS

- Excellent shade tolerance
- Quick establishment
- Dark green colour
- Good cold tolerance

Calliope
Chewings Fescue

www.dlfseeds.co.nz
Quick Facts

Adaptable

HELENA has excellent tolerance to close mowing for golf greens in particular which allows mowing down to 5-3mm.

High Performance

HELENA will outperform most other varieties in well maintained conditions.

Confirmed Performance

For many years HELENA has ranked high on the STRI list (Sports Turf Research Institute, UK) both in turf mown at 10-15 mm and close mown (3-7 mm) green trials.

USE

• Golf courses
• Landscaping
• Coastal areas
• Sports fields

Sowing Rate

35-45 (g/m²)
(25-35 when overseeding)

BENEFITS

• Very high shoot density
• Excellent tolerance to close mowing
• Fast establishing
• Good salt tolerance

FESCUE22

Helena
Slender Creeping Red Fescue

Source: Results from Bingley 2006 (STRI) showing HELENA in comparison with the average of all 31 varieties on the list. Close mown trials.

Rating

<table>
<thead>
<tr>
<th>Density</th>
<th>Close mowing tolerance</th>
<th>Colour</th>
<th>Salt tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
Quick Facts
RIDU produces a dark blue/green fine leaved, low growing turf. RIDU has a quick establishment and a medium-slow growth with an early green-up in spring.

Resistant & Tolerant
RIDU has a good resistance against diseases, a high salt tolerance, a high winter-hardiness and drought tolerance. In addition, the shade tolerance is very high.

Use of RIDU
RIDU is recommended in mixtures for less intensive areas like golf fairways, road sides, parks & reserves, among others. However, RIDU can also play an important role in shade tolerant mixtures for ornamental purposes.

<table>
<thead>
<tr>
<th>Density</th>
<th>Close mowing tolerance</th>
<th>Salt tolerance</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

Rating

USE
- Road sides
- Landscaping
- Parks & reserves
- Golf courses
- Home lawns

Sowing Rate
35-45 (g/m²)
(5-15 when oversowing)

BENEFITS
- Fast establishing
- Grows well in light, sandy soil
- Outstanding quality
- High winter-hardiness & drought tolerance
- Good shade tolerance
**Quick Facts**

SABRE 3 is the latest generation of improved *Poa trivialis* from DLF International Seeds’ plant breeding programme.

SABRE 3 was developed to provide turf managers with a denser and darker green turf (and an oversowing option). SABRE 3 has shown improved overall turf quality in comparison to previous *Poa trivialis* varieties.

Other benefits of oversowing with SABRE 3 include rapid establishment and a good level of resistance to leaf spot. SABRE 3 was developed for rapid establishment, easy transitioning winter oversowing turfgrass mixtures. It is also recommended for cool season, shade tolerant, mild climatic zones. SABRE 3 has excellent shade tolerance.

**USE**
- Sports fields
- Shady areas
- Home lawns
- Golf courses

**Sowing Rate**
15-20 (g/m²)
(5-15 when oversowing)

**BENEFITS**
- Excellent shade tolerance
- Quick establishment
- Mid green colour
- Good cold tolerance
- Fine textured

**Rating**

<table>
<thead>
<tr>
<th>Shade tolerance</th>
<th>Fineness of leaves</th>
<th>Colour</th>
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</table>
Quick Facts

LASER is ideal for winter oversowing of Bermuda grass tees and greens. It exhibits fast germination, good shade tolerance, cold tolerance and has better spring transition than most varieties on the market today.

LASER has a stoloniferous growth habit for improved density plus it has fine leaf texture with a deep green colour for a high quality turf area. LASER’s growth habit allows it to recuperate quickly and provides an excellent season-long putting surface.

LASER was developed to provide turf managers with a denser and darker green turf.

<table>
<thead>
<tr>
<th>Germination</th>
<th>Shade tolerance</th>
<th>Establishment</th>
<th>Colour</th>
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</table>

USE

- Sports fields
- Shady areas
- Golf courses
- Home lawns

Sowing Rate

15–20 (g/m²)

(5-15 when oversowing)

Benefits

- Excellent shade tolerance
- Quick establishment
- Dark green colour
- Cold tolerance
NZ Browntop
Browntop Bent

For that Luxury Look!

Quick Facts

Browntop

For high quality prestige golf greens, Browntop Bent is the cultivar of choice. Increasing attention is now paid to Browntop, *Agrostis capillaris*.

The reason is the arrival of a new cultivar NZ BROWNTOP which stands in comparison against the best Bentgrasses in the world.

Shaped for today’s demand

When moderate maintenance and pesticide use is important, Browntop Bent is becoming increasingly popular.

<table>
<thead>
<tr>
<th>Density</th>
<th>Fineness of leaves</th>
<th>Salt tolerance</th>
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</table>

BROWNTOP BENT

USE
- Golf courses
- Landscaping
- Bowling & croquet greens
- Home lawns

Sowing Rate
10-15 (g/m²)
(5-10 when oversowing)

BENEFITS
- Very high density
- Uniform green
- Fine textured
- Fast spring green-up
- Low inputs
- Good salt tolerance

Rating

www.dlfseeds.co.nz
Quick Facts
DENSO is used extensively on golf greens in mixtures with Red Fescue for low input purposes. It tolerates close mowing very well. The shoot density is high and it is very adaptable to changeable growing conditions.

<table>
<thead>
<tr>
<th>Density</th>
<th>Fineness of leaves</th>
<th>Salt tolerance</th>
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</table>

USE
- Golf courses
- Landscaping
- Bowling & croquet greens
- Home lawns

Sowing Rate
10-15 (g/m²)
(5-10 when oversowing)

BENEFITS
- Very dense
- Uniform green
- Fine textured
- Fast spring green-up
- Low inputs
- Very winter hardy in cold conditions
- Good salt tolerance

www.dlfseeds.co.nz

PREMIUM QUALITY
Playing quality and easy maintenance combined!

Quick Facts

Results from official independent field trials in the UK and the US show that COBRA 2 is one of the best, if not the best, creeping bent varieties in the market. COBRA 2 is particularly well adapted to Australia and New Zealand conditions of play, climate and maintenance. The shoot density and visual merit of COBRA 2 are exceptional in trials.

Under close mowing (3-4 mm) COBRA 2 was also the best performing variety in the 2004-2007 NTEP trials.

Use

The original COBRA was well known for its combination of playing quality, disease resistance and efficient fertiliser use. COBRA 2 now brings you these same attributes with the benefits of the new generation of Creeping Bentgrass.

COBRA 2 was bred for golf course greens, but can also be used for bowling greens, golf tees, fairways, croquet lawns and tennis courts.

COBRA 2 can also be used as a component in mixtures for the winter oversowing of warm season greens, when combined with Poa trivialis.

### USE
- Golf courses
- Bowling greens
- Croquet lawns
- Tennis courts

### Sowing Rate
10-15 (g/m²)
(5-10 when oversowing)

### BENEFITS
- Excellent turf quality
- Rapid establishment
- High density
- Excellent tolerance to close mowing
- Good disease resistance
- Excellent winter colour
- Good wear tolerance
- Good cold tolerance

### Sowing Rate
10-15 (g/m²)
(5-10 when oversowing)

### USE
- Golf courses
- Bowling greens
- Croquet lawns
- Tennis courts

### BENEFITS
- Excellent turf quality
- Rapid establishment
- High density
- Good disease resistance
- Excellent winter colour
- Good wear tolerance
- Good cold tolerance

### Rating

<table>
<thead>
<tr>
<th>Density</th>
<th>Close mowing tolerance</th>
<th>Wear tolerance</th>
<th>Disease resistance</th>
</tr>
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<tbody>
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</tbody>
</table>
Quick Facts

Growth
CONNI produces a high volume of straight tillers, which give a very dense, uniform turf (the rate of growth is medium to slow).

Wear Tolerance
CONNI has a very good wear tolerance and is highly suitable for both ornamental lawns and sports fields.

Broad Disease Resistance
The high scoring of CONNI in trials all over Europe proves that CONNI contains a very effective and broad resistance to general diseases.

USE
- Sports fields
- Shady areas
- Golf courses
- Home lawns

Sowing Rate
10–15 (g/m²)
(5–10 when oversowing)

BENEFITS
- Excellent salt tolerance
- Good shade tolerance
- Quick establishment
- Mid green colour
- Good cold tolerance
- Good disease resistance
- Good wear tolerance
**Bermuda Couch**

**Quick Facts**

BERMUDA COUCH is possibly the most commonly planted lawn grass species in the tropics and sub tropics. Its general purpose adaptability and speed of establishment means that the results are seen quickly compared with other turf species.

BERMUDA COUCH is a warm season grass with growth slowing down during the cooler months. Optimum growth will occur during temperatures of 17-35°C. It will grow on a wide range of soil types, but will tend to grow best on relatively fertile, well drained soils.

During the warmer months, the mowing interval should be every 7-14 days depending on watering, with frequency decreasing to 21-28 days in the winter months.

Mowing height should be no less than 25mm, and no less than 50mm if there has been excessive plant growth.

**USE**
- Golf courses
- Home lawns
- Parks & reserves
- Landscaping
- Sports fields

**Sowing Rate**
4-8 (g/m²)

**BENEFITS**
- Excellent sun tolerance
- Good drought tolerance
- Good salt tolerance
- Good high traffic tolerance
- Self-repairing

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**Kikuyu**

**Quick Facts**

KIKUYU is a very hardy, spreading turf variety that grows best in the warmer months of the year, but maintains a light green colour throughout winter. KIKUYU is a lush, green, strong and rapidly growing grass. It covers quickly with vigorous runners.

Also KIKUYU is self-repairing.

**USE**
- Home lawns
- Sports fields
- Golf courses
- Parks & reserves
- Landscaping

**BENEFITS**
- Excellent drought tolerance
- Vigorous growing with lush green appearance
- Self-repairing
Quick Facts

**Beautiful Dark Green Colour the Whole Season**

MICROCLOVER® ensures that the companion grasses are well fed with nitrogen which makes them look great. At the same time the MICROCLOVER® itself has a nice darker green colour and together this gives the lawn the most beautiful darker green colour right from spring to autumn.

**Improved Drought Tolerance**

Inclusion of MICROCLOVER® in grass mixtures means that the soil is better shaded and moisture is better retained more in the dry summers. The deep green colour also sustains the overall lush appearance of grass through difficult drought periods.

**Very Healthy Lawn**

The ‘spoon feeding’ of the grasses with nitrogen from MICROCLOVER® secures a nice and more even growth of the grasses in the mixture. The vital growth keeps the grasses healthy and free of diseases.

**USE**

- Landscaping
- Home lawns
- Sports fields
- Parks & reserves
- Blends

**Sowing Rate**

2.5-5 (g/m²)

(5% in mixtures)

**BENEFITS**

- Saves nitrogen fertiliser
- Secures a green lawn right from spring to autumn
- Ensures a very healthy lawn
- Very even & good ground cover
DLF SEEDS has formulated 14 turf blends covering almost every possible turf requirement in one application. Stock is readily available off the shelf and is always well-priced.

DLF SEEDS turf blends are a very convenient way to save you time and effort, and removes any potential errors in getting the proportions just right. Using DLF SEEDS turf blends also minimises your losses as you won’t be stuck with left-over part bags.

DLF SEEDS uses only the top certified varieties in each blend.

<table>
<thead>
<tr>
<th>DLF MIX #</th>
<th>USES</th>
<th>BLEND</th>
<th>% IN MIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FAIRWAYS, NEW LAWNS</td>
<td>Perennial Ryegrass (1)</td>
<td>25%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perennial Ryegrass (2)</td>
<td>25%</td>
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<tr>
<td></td>
<td></td>
<td>Creeping Red Fescue (1)</td>
<td>20%</td>
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<tr>
<td></td>
<td></td>
<td>Creeping Red Fescue (2)</td>
<td>15%</td>
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<tr>
<td></td>
<td></td>
<td>Chewings Fescue</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Browntop</td>
<td>5%</td>
</tr>
<tr>
<td>2</td>
<td>DUAL TURF RYE BLEND, SPORTS FIELDS, FAIRWAYS</td>
<td>Perennial Ryegrass (1)</td>
<td>50%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perennial Ryegrass (2)</td>
<td>50%</td>
</tr>
<tr>
<td>3</td>
<td>STADIUMS, SPORTS FIELDS, FAIRWAYS</td>
<td>Perennial Ryegrass (1)</td>
<td>34%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perennial Ryegrass (2)</td>
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<tr>
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<td></td>
<td>Perennial Ryegrass (3)</td>
<td>33%</td>
</tr>
<tr>
<td>4</td>
<td>FESCUE BLEND, FAIRWAYS, HYDRO SEEDING</td>
<td>Tall Fescue</td>
<td>90%</td>
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<td>Creeping Red Fescue</td>
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<tr>
<td></td>
<td></td>
<td>Chewings Fescue</td>
<td>5%</td>
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<tr>
<td>5</td>
<td>FESCUE PLUS, ORNAMENTAL, FAIRWAYS</td>
<td>Chewings Fescue</td>
<td>50%</td>
</tr>
<tr>
<td>6</td>
<td>RYE/FESCUE MIX, SHADY AREAS</td>
<td>Chewings Fescue</td>
<td>25%</td>
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<tr>
<td></td>
<td></td>
<td>Perennial Ryegrass</td>
<td>50%</td>
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<td>Creeping Red Fescue</td>
<td>25%</td>
</tr>
<tr>
<td>7</td>
<td>LAWN LAWNS, HYDRO SEEDING</td>
<td>Perennial Ryegrass (1)</td>
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<td>Perennial Ryegrass (2)</td>
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<td>Creeping Red Fescue</td>
<td>20%</td>
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<tr>
<td>8</td>
<td>FESCUE/RYE BLEND, DRY AREAS, GOLF COURSE ROUGHS</td>
<td>Tall Fescue</td>
<td>50%</td>
</tr>
<tr>
<td>9</td>
<td>BIACHUS BLEND, VINEYARDS, LANDSCAPING</td>
<td>Perennial Ryegrass</td>
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<td>Perennial Ryegrass</td>
<td>60%</td>
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<td></td>
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<td>Chewings Fescue</td>
<td>30%</td>
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<tr>
<td></td>
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<td>Brown Top</td>
<td>10%</td>
</tr>
<tr>
<td>10</td>
<td>FAIRWAYS, HOME LAWNS, LANDSCAPING</td>
<td>Perennial Ryegrass</td>
<td>80%</td>
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<td>Creeping Red Fescue</td>
<td>10%</td>
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<td>Chewings Fescue</td>
<td>10%</td>
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<tr>
<td>11</td>
<td>PARKS &amp; RESERVES, NEW LAWNS</td>
<td>Perennial Ryegrass</td>
<td>75%</td>
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<tr>
<td></td>
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<td>Creeping Red Fescue</td>
<td>25%</td>
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<tr>
<td>12</td>
<td>HYDRO SEEDING, ROAD SIDES, PARKS &amp; RESERVES</td>
<td>Perennial Ryegrass</td>
<td>95%</td>
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<tr>
<td></td>
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<td>White Clover</td>
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<td>13</td>
<td>ROAD FIX</td>
<td>Perennial Ryegrass</td>
<td>80%</td>
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<tr>
<td></td>
<td></td>
<td>Creeping Red Fescue</td>
<td>10%</td>
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<td></td>
<td></td>
<td>Chewings Fescue</td>
<td>10%</td>
</tr>
<tr>
<td>14</td>
<td>HOMESTRAIGHT, RACE TRACKS, POLO FIELDS</td>
<td>Hybrid Perennial Ryegrass</td>
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<td>Italian Perennial Ryegrass</td>
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## Record of Use

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Dedicated to bringing out the very best in seed