

Turfgrasses Seed 2013

The buyers guide to
quality amenity turfgrasses

Produced by the British Society
of Plant Breeders Limited,
in conjunction with the STRI

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Introduction

The development of grass varieties for amenity uses is a long-term, costly and sophisticated business. Plant breeding (crossing, selecting and conducting trials) typically takes a decade or more, before varieties are ready for release into Governmental registration and Industry performance trials. Subsequent investment in production, stock-holding, manufacturing and marketing is expensive. The exploitation and utilisation of the superior varieties made available by this process require expert guidance and advice.

The purpose of Turfgrass Seed is to report comprehensive results of available varieties in trials designed to test suitability for:

Use in winter sports pitches, such as football and rugby fields, and municipal recreation areas (Sports Uses Trials)

Use in lawns, summer sports pitches, tennis courts, turf and general landscaping (Lawn Landscaping, Summer Sports and Turf Trials)

Use in the intensive management seen on golf and bowling greens (Greens, Close Mown Trials).

Turfgrass Seed presents the best available interpretation of correctly designed, accurately analysed and independently supervised trials to our collective customer, the professional user of high quality amenity grass cultivars.



The BSPB Amenity Committee and the STRI

The BSPB Amenity Committee

BSPB is the trade association, based at Ely in Cambridgeshire, which represents the interests of companies with plant breeding and seeds supply businesses in the UK. Companies can participate as Full Members or Associates and the Society caters for businesses with large or small turnovers.

The major functions of BSPB include:

- Acting on behalf of plant breeders to Licence and collect Royalties for the production of seed of protected varieties by third parties.
- Representing the interests of its members opposite Government and the European Commission.
- Co-ordinating agreements with independent trialling organisations to facilitate the production of recommended and descriptive lists of varieties.

The BSPB Amenity Committee comprises representatives of all the major breeders developing new cultivars for customers in the UK. Its objectives include the long term:

- Coordination and funding of independent amenity variety trialling.
- Continuity of the integrity of Turfgrass Seed as a source of impartial and valid information to buyers and users of amenity grass seed.

The STRI

The STRI is based in Bingley, West Yorkshire, but has advisory staff based throughout the UK and Ireland. It was established in 1929 by the Royal & Ancient Golf Club of St. Andrews (R&A) and the Home Golf Unions to undertake research and provide an advisory service for golf clubs. In 1951 the work of the STRI expanded to encompass all turf sports and amenity grass areas and has continued as such since that time. It is the leading independent research and technology organisation in turf research and agronomy and is recognised as a world centre of excellence in turfgrass research. The STRI has been involved since its inception in the testing and evaluation of grass cultivars for sports and amenity uses and in producing reports for end users based on the results of these trials.

The STRI is a not for profit organisation limited by guarantee, managed by a small Executive Committee consisting of representatives from major sport governing bodies. It maintains strong and close links with all governing bodies, which provide the STRI with a unique position, acting as a facilitator between governing bodies and end users.

Guide to using Turfgrass Seed 2013

The lists contained in this booklet are designed to enable users of Turfgrass Seed to evaluate the suitability of different cultivars for various amenity uses. Information for the major turfgrass species is presented in the form of numerical scores. In each column, larger numbers indicate a higher score for the relevant characteristic. For instance, cultivars with a score of 8.0 for shoot density would be expected to produce denser turf than those with a score of 7.0.

The only exception to this general rule is the rating for colour. On this scale higher numbers are darker green. These colour scores are descriptive, to help with colour matching when blending varieties in mixtures. They are not merit ratings and in this case larger numbers do not indicate a higher merit score.

Users should read the text regarding the selection of grasses for each table to determine which grasses best suit their particular needs. Cultivars of the major turfgrass species have been placed in order of suitability for particular uses. The characteristics that have been used to determine this ranking order have been shaded. Where more than one characteristic has been used, a mean has been calculated and added to the table. When calculated, this mean has been placed within the shaded area, to the right of the characteristics used in its calculation.

Cultivars at the top of each list may not be the best cultivars for every use. Users should identify which characteristics are most important for their intended use and then select cultivars accordingly.

The tables are numbered according to their applicability to different end uses, thus:

S	Sports
L	General lawn and landscaping
G	Golf and bowling greens and other close mown situations

Seed of all cultivars named should be available in the UK in 2013 but in smaller amounts where shown as LA (Limited Availability). The full names and addresses for the main seed suppliers representing grasses in the tables are presented on page 28. For grasses where no main agent is identified, users should contact BSPB for further information.

The tables have been split into two sections to give a main table and a new cultivar table. The latter section is reserved for cultivars that have been tested in only the most recent set of trials. The scores in this section of the tables should be regarded with less certainty than the scores in the main sections of the tables. Please note that ratings are not directly comparable among species and uses.

The information presented in Turfgrass Seed 2013 is from trials conducted at the STRI. As with any trial of living material, the performance of the cultivars may vary in commercial management.

Assessment of characters

VISUAL MERIT

Visual merit is an overall measure of the suitability of the sward for its potential use. Visual merit is a combination of sward density, leaf width, disease resistance and colour.

SHOOT DENSITY

In most applications of amenity grass a dense sward is required, especially when a uniform and true surface is needed, such as golf greens. The number of shoots per unit area is assessed to give a measure of sward density of the sown species.

LIVE GROUND COVER

The live ground cover is regarded as more important than shoot density in winter sports turf. The ground cover of the sown species is recorded monthly during the application of artificial football wear to determine wear tolerance.

SLOW RE-GROWTH

Mowing accounts for the majority of the cost of maintaining amenity grass. During the growing season (April to October) the sward height is measured immediately prior to each cut.

FINENESS OF LEAF

The leaf width of different varieties of grasses varies, especially for perennial ryegrasses and smooth-stalked meadow-grass. Fine leaves are desirable in fine turf and ornamental lawns. This assessment is not undertaken for Chewings fescues, hard & sheep's fescues, slender creeping red fescues or strong creeping red fescues where there is little difference among these fine-leaved grasses.

CLEANNESS OF CUTTING

Each variety is scored for cleanness of cutting. Some data shown for this characteristic in the intensive wear trials are taken from the lawn/landscaping trials.

DISEASE RESISTANCE

At a time when the usage of pesticides and the products available for use on amenity grasses are declining, disease resistance is of ever increasing importance. All trials are monitored for disease and scored when significant disease infections occur.

COLOUR

Cultivars are assessed for genetic colour in both summer and winter. This is a relative assessment between different varieties and colour will vary depending upon management and fertiliser use.

RECOVERY

The winter sports turf trial is scored for two months following the application of artificial football wear to give an indication of individual varieties ability to recover from wear. Higher scoring varieties are less likely to need intensive renovation in the closed season. Care should be taken when considering varieties for this characteristic as data are available only from a limited number of trials.

Series S

Sports Uses (Mown at 25mm)

Perennial ryegrass (Table S1)

Smooth-stalked meadow-grass (Table S2)

Tall fescue (Table S3)

Tufted hair-grass (Table S4)

Applications

Winter sports pitches

Football and Rugby pitches

Municipal sports areas

Other intensively used areas

The perennial ryegrass cultivars in Table S1 (pages 6 and 7) are ranked on the mean of live ground cover and visual merit during wear. These characteristics are important for sports pitches receiving intensive wear during winter, such as football and Rugby pitches.

Users should identify the particular properties that are important in their individual situations and choose cultivars that score well for those characteristics. In football and Rugby pitches for example, it may be better to choose a cultivar with reduced susceptibility to red thread, if this can be done without compromising too much on wear tolerance. Where good appearance is required before wear, or in low wear situations, good shoot density, fineness of leaf and cleanness of cut scores will be important.

In all wear situations regular over-seeding can have beneficial results. It is strongly advised that this forms part of the end of season renovation programme. Also the addition of new grasses through over-seeding during the playing season will help maintain ground cover.

Cultivars of smooth-stalked meadow-grasses are shown in order of their performance under football-type wear for inclusion in winter pitches (Table S2). Once established, smooth-stalked meadow-grass can be as hard wearing as perennial ryegrass and usually has better tolerance of close mowing.

Its rhizomes give good recovery from wear and some drought tolerance. However, establishment of this grass is slow and best results can only be achieved if at least 12 months is left between sowing and use. Some of the data in Table S2 (page 8) are from trials allowed to establish for one year before the application of wear. Current trials are sown in spring with wear being applied the following autumn.

Generally, cultivars of tall fescue form turf that would be acceptable for many coarse turfgrass uses. However, they are no substitute for perennial ryegrass in normal turf situations in the UK. Tall fescues are slower in establishment, coarser in leaf texture, and as a result, less attractive in appearance. They may however, have a place under dry or low fertility conditions. Tall fescues have also been used successfully where fairly tall (15- 20cm) but still erect swards are desirable, such as the grassed areas surrounding airfields. New improved varieties of this grass type, some with rhizomes, are starting to become available. These produce acceptable lawns but still do not match perennial ryegrass for wear tolerance.

Tufted hair-grass is tolerant of damp and shady conditions and has been included in some seed mixtures for stadiums. This grass can accumulate a little more organic matter at the surface than some of the traditional sports grasses like perennial ryegrass.

Series S

Sports Uses (Mown at 25mm)

Table S1
Perennial ryegrass (*Lolium perenne*)

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Cleanliness of cut	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Barorlando	8.6	8.5	8.5	7.2	8.5	7.7	7.5	5.7	5.5	7.7	BAR
Eurodiamond	8.2	8.0	8.1	7.7	8.0	6.6	-	2.8	5.3	5.4	DLF
Monroe (LA)	8.0	8.2	8.1	7.8	8.2	8.6	5.5	6.4	5.9	6.5	DLF/JNS
Barcristalla (LA)	8.1	8.0	8.1	7.0	7.9	7.6	7.2	5.7	6.0	7.6	BAR
Columbine	8.1	8.0	8.1	7.8	7.6	6.8	4.3	5.4	5.6	6.2	DLF/JNS/TG
Madrid	7.8	7.9	7.9	7.9	7.8	6.8	-	6.1	5.4	6.3	LMG
Eugenius	7.8	7.8	7.8	6.8	7.9	7.3	7.0	4.3	5.0	5.5	BSH
Milan	7.5	7.9	7.7	8.1	7.9	7.5	-	6.4	5.3	5.8	LMG
Cyrena	7.6	7.7	7.7	7.4	7.7	6.9	7.0	6.4	5.0	6.3	LMG
Chardin	7.5	7.7	7.6	6.6	7.7	8.2	8.0	5.9	5.0	5.5	DLF/JNS
Poseidon	7.8	7.5	7.6	7.2	7.5	6.5	4.4	5.5	4.9	5.6	RT/TG
Shorty	7.5	7.6	7.5	6.7	7.1	7.2	4.4	4.3	5.3	5.4	DLF
Duparc (LA)	7.4	7.7	7.5	7.3	7.2	7.3	6.5	7.4	5.0	5.7	DLF
Promotor (LA)	7.5	7.5	7.5	7.5	7.4	6.8	5.0	5.0	5.0	6.2	BSH
Cadix	7.1	7.6	7.4	7.6	7.1	7.3	5.9	5.4	5.9	5.9	BSH/CARN
Vesuvius	7.1	7.5	7.3	7.6	7.4	6.6	-	5.7	4.8	5.7	BSH
Bizet 1	7.2	7.4	7.3	7.6	6.0	6.1	5.8	6.9	5.9	6.4	DLF/JNS
Berlioz 1	7.3	7.4	7.3	6.9	7.3	6.4	-	6.2	5.8	5.6	DLF/TG
Bareuro	7.3	7.3	7.3	7.8	6.9	6.7	7.1	5.2	5.1	5.8	BAR
Carnac	7.0	7.4	7.2	7.4	6.7	6.7	6.2	6.7	6.2	5.8	BSH/CARN
Himalaya	7.2	7.1	7.2	7.8	7.0	6.4	-	4.1	5.6	6.1	DLF/LMG
Ligala	6.9	7.4	7.1	8.0	7.0	7.6	5.3	5.8	5.4	5.5	DLF/JNS
Melbourne	7.0	7.2	7.1	6.6	7.6	7.4	-	7.5	5.5	5.8	LMG
Hugo 1	6.8	7.4	7.1	6.9	4.8	5.3	6.4	5.3	5.8	5.8	DLF/TG
Lucius	6.8	7.4	7.1	6.3	7.8	7.6	6.3	5.2	5.0	5.2	BSH
Vitellius	6.9	7.2	7.1	7.5	6.7	6.2	-	6.1	6.0	6.4	BSH
Romance	7.0	7.1	7.0	6.8	7.0	6.3	5.2	5.5	6.1	5.5	BAR
Barillion	7.1	7.0	7.0	6.4	7.3	6.2	6.5	6.0	5.5	6.6	BAR
Gallius (LA)	7.0	7.1	7.0	6.5	6.8	5.5	-	6.2	6.8	7.6	BSH
Greenfair	6.9	7.1	7.0	6.5	6.6	6.5	6.2	5.9	5.6	6.2	SUT/TG
Clementine (LA)	6.8	7.0	6.9	7.0	7.3	7.9	7.8	6.0	5.3	6.0	DLF/JNS/TG
Barsignum	6.9	6.9	6.9	6.1	7.5	8.2	4.8	5.1	5.2	6.6	BAR
Busoni 1	6.8	6.8	6.8	6.6	6.1	5.7	4.8	5.9	5.8	6.7	DLF
Mercitwo	6.8	6.9	6.8	6.6	6.4	7.2	7.3	5.5	4.9	5.4	RT/TG
Cerotec Centurion	6.9	6.7	6.8	6.0	6.5	6.2	6.8	5.1	7.4	7.4	PGW
Alboka	6.7	6.8	6.8	6.5	7.5	7.3	7.0	7.7	6.5	7.0	RAGT
Bocelli	6.8	6.7	6.8	6.5	7.4	6.9	6.6	5.7	4.9	6.6	LMG
Bellini 1	6.7	6.8	6.8	6.3	6.2	5.9	-	5.1	5.6	5.7	DLF
Greenway	6.7	6.8	6.7	6.4	6.7	7.4	5.6	6.3	6.2	6.0	SUT/TG
Toldo (LA)	6.7	6.8	6.7	5.6	7.1	7.2	6.0	6.0	4.8	5.5	DLF
Cleopatra	6.6	6.8	6.7	7.5	6.4	5.8	-	7.1	4.7	5.5	DLF
Verdi	7.0	6.4	6.7	6.3	5.6	5.3	5.7	5.9	6.5	6.9	DLF
Fandango	6.7	6.7	6.7	7.2	6.9	6.1	-	5.9	5.9	5.7	BAR/DLF
Ponderosa	6.9	6.5	6.7	6.3	7.0	5.7	5.7	5.5	6.4	5.7	LMG
Concerto	6.5	6.8	6.7	7.4	6.0	5.0	6.4	5.7	6.3	6.1	BAR
Ritmo (LA)	6.5	6.7	6.6	6.5	7.4	6.4	6.7	5.9	5.7	6.4	BAR
Essence	6.8	6.4	6.6	5.5	6.9	6.5	6.1	4.6	6.2	5.5	DLF
Dickens 1	6.4	6.8	6.6	6.9	8.2	7.7	-	6.2	4.8	5.5	DLF
Greensky	6.6	6.6	6.6	6.7	6.5	6.3	-	5.9	5.3	5.2	RT/TG
Lourega	6.6	6.6	6.6	6.2	6.8	5.1	-	7.2	6.4	6.6	EG

Table S1 Continued

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Cleanliness of cut	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Barlennium	6.7	6.5	6.6	5.6	6.4	5.7	6.5	6.4	7.7	7.8	BAR
AberImp	6.4	6.7	6.6	6.6	6.0	6.0	7.1	6.2	5.5	6.6	BSH
Barcedes	6.3	6.8	6.6	7.0	6.7	7.0	6.3	6.4	4.0	5.7	BAR
Margarita	6.3	6.8	6.6	6.5	6.7	6.7	5.3	5.5	6.2	6.0	DLF
Conrad 1	6.4	6.7	6.6	6.5	6.7	6.5	5.4	6.6	6.9	5.7	DLF
Bardorado	6.6	6.4	6.5	5.9	6.4	5.5	6.8	6.5	5.1	5.4	BAR
Ragtime	6.2	6.8	6.5	6.4	5.9	5.9	6.4	6.5	6.0	6.1	BAR
Sanremo	6.3	6.8	6.5	6.1	5.3	6.2	5.3	5.8	5.9	5.4	LMG
Bargold	6.2	6.6	6.4	6.4	7.3	8.1	7.0	6.0	5.6	5.8	BAR
Doremi	6.1	6.7	6.4	5.8	6.7	6.0	7.0	7.0	5.5	6.7	LMG
Flamenco	6.5	6.3	6.4	6.0	6.4	6.7	-	5.4	5.7	6.0	SEED
Stolawn	6.1	6.6	6.4	5.6	6.4	6.3	6.1	6.2	5.9	6.5	RT/TG/SUT
Sirtaky	6.3	6.3	6.3	6.8	6.9	6.7	-	6.8	6.0	5.7	DLF
Escapade	6.1	6.5	6.3	7.3	6.6	8.4	4.4	4.5	6.0	6.1	BSH/CARN
Augustus (LA)	6.2	6.4	6.3	7.1	6.0	6.8	6.6	6.0	4.9	5.3	EG
Platinum	6.6	5.9	6.3	5.6	5.4	5.0	6.2	5.5	7.3	6.5	DLF
AberElf	6.1	6.4	6.2	7.0	5.9	6.0	7.0	6.5	5.4	6.4	BSH
Jubilee EG	6.2	6.2	6.2	6.0	6.1	5.8	7.2	5.1	5.9	6.7	EG
Stravinsky	6.5	5.8	6.2	5.6	6.0	4.8	5.4	6.8	8.8	8.0	DLF
Transate	6.2	6.1	6.1	5.5	6.0	6.0	-	7.3	5.7	6.1	EG
Banbury	6.1	6.2	6.1	6.0	7.0	6.4	6.3	6.6	5.9	7.1	TG
Greenglide	6.2	6.1	6.1	6.0	6.1	5.9	-	4.9	5.2	5.4	RT/TG
Barminton	6.1	6.1	6.1	5.7	6.1	6.0	6.7	5.1	5.6	6.3	BAR
Traffic	6.1	6.1	6.1	6.5	6.1	7.3	6.1	5.2	5.1	6.3	EG
Cachemire	5.8	6.2	6.0	6.9	6.0	7.2	5.5	5.1	5.5	5.7	GGR
Liromeo	5.9	6.1	6.0	6.2	6.2	5.9	-	7.3	6.5	6.8	EG
Liberio	6.0	5.9	6.0	5.5	6.7	6.8	-	5.5	6.0	6.7	DLF
Brio	6.0	5.9	5.9	5.9	5.7	6.1	6.2	6.2	6.2	6.2	EG
Barrocky	5.8	6.1	5.9	6.4	6.8	6.8	-	5.1	4.7	5.1	BAR
Cassiopeia	5.9	6.0	5.9	5.8	6.8	7.0	-	6.0	5.4	6.0	DLF
Turfgold	5.8	6.0	5.9	6.5	5.7	5.1	-	6.2	6.7	7.0	EG
Disco	5.8	5.8	5.8	5.2	5.2	5.6	5.8	5.6	6.1	5.0	LMG
Limonica	5.8	5.8	5.8	5.8	5.4	5.2	-	6.0	7.2	7.3	EG
Lifrance	5.7	5.8	5.8	5.8	5.0	6.0	5.9	7.1	6.3	6.1	EG
Kokomo	5.6	5.8	5.7	5.3	5.0	5.0	-	6.8	8.5	8.2	DLF
Funk	5.5	5.9	5.7	6.2	6.9	6.8	6.4	5.8	5.7	5.2	SEED
Esquire	5.9	5.4	5.6	5.3	5.3	4.9	5.7	6.3	6.8	6.7	DLF
Recital	5.6	5.6	5.6	5.1	6.5	6.7	6.5	7.1	6.2	6.9	BAR
Capri	5.7	5.4	5.6	5.1	5.0	5.1	5.3	6.3	6.2	5.4	DLF
Vienna	5.3	5.7	5.5	5.6	4.8	4.9	5.5	5.6	5.5	5.2	LMG
Neruda 1	5.8	5.0	5.4	5.1	4.8	5.2	5.9	7.0	9.1	7.7	DLF
Mondial	4.8	4.8	4.8	5.2	4.4	4.4	5.6	6.3	4.9	5.2	LMG

New Cultivars

Cordus (LA)	8.5	8.3	8.4	7.3	9.2	7.7	-	-	5.2	5.7	EG
Nagano (LA)	7.3	7.4	7.4	7.5	7.0	6.8	7.3	5.3	5.1	5.6	LMG
Korfu (LA)	7.3	7.3	7.3	6.7	7.8	6.7	6.6	5.0	4.9	6.0	DLF
Enesco (LA)	7.3	7.3	7.3	6.7	7.6	7.9	5.0	6.0	5.9	6.1	DLF
Florianne (LA)	7.2	7.3	7.3	7.3	7.0	6.9	5.6	5.3	5.6	6.1	DLF
Aiken (LA)	7.0	7.1	7.1	6.8	7.2	8.0	5.6	6.7	5.2	6.2	DLF
Kalmia (LA)	6.4	6.4	6.4	6.1	6.7	6.9	5.0	5.3	4.9	5.8	DLF

The data for disease resistance and colour come from more than one type of trial

- = Data not available.

Series S

Sports Uses (Mown at 25mm)

Table S1s

Tetraploid ryegrasses

Tetraploid cultivars of perennial ryegrass are starting to be used in specialist seed mixtures for sports uses. These grasses should not be confused with more persistent diploid perennial ryegrass that are more commonly used in sports turf mixtures. In like-for-like comparisons, the traditional diploid grasses have greater wear tolerance and produce a more attractive sward. However, the tetraploid grasses have characteristics that can be exploited alongside traditional grasses. The main benefits are quicker germination and establishment in cool conditions and increased seedling vigour. Once established, they also tend to maintain growth longer than diploid cultivars as temperatures fall in the winter. This allows these grasses to replace lost grass cover during winter wear. The ratings presented are comparable with those given for diploid perennial ryegrass cultivars in Table S1.

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Cleanliness of cut	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Double	5.5	5.1	5.3	4.4	4.7	3.9	6.1	7.8	7.4	7.7	DLF/JNS
Tetragreen	5.0	4.8	4.9	4.1	5.3	5.0	6.0	7.1	7.2	7.9	RT/TG/SUT

Table S2

Smooth-stalked meadow-grass (*Poa pratensis*)

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Resistance to Rust	Winter greenness	Summer greenness	Agent
Sombrero	7.5	7.8	7.6	7.6	7.9	7.9	4.9	6.1	6.5	DLF/JNS
Julius	7.3	7.5	7.4	7.6	7.3	6.6	5.2	5.2	5.0	DLF
Harmonie	7.3	7.3	7.3	6.8	7.7	8.0	4.9	6.5	6.2	DLF/TG
Greenplay	7.2	7.4	7.3	7.4	7.5	7.6	4.9	6.2	6.4	RT/TG
Bariris	7.2	7.4	7.3	7.4	7.4	7.5	4.7	6.6	6.2	BAR
Barhelene	7.2	7.3	7.2	7.4	7.7	7.7	4.9	5.6	6.3	BAR
Kaitos (LA)	7.2	7.2	7.2	7.2	7.7	7.6	5.6	6.4	6.5	DLF
Julia	7.0	7.3	7.2	7.5	6.7	6.2	5.6	6.4	6.0	BSH
Linares	7.1	7.1	7.1	6.4	7.8	7.9	6.2	5.1	5.7	EG
Joker	7.0	7.2	7.1	7.0	7.6	8.3	6.1	6.3	5.8	BSH
Limousine	6.9	7.1	7.0	7.1	7.8	6.9	4.8	6.4	5.1	DLF/JNS
Lincolnshire	6.7	7.1	6.9	7.1	6.8	7.0	4.5	6.3	5.0	DLF
Panduro	6.7	6.9	6.8	6.2	6.1	5.9	5.4	6.8	5.4	DLF
Yvette	6.7	6.7	6.7	6.1	6.9	6.5	6.9	6.8	5.5	LMG
Broadway	6.5	6.6	6.6	7.1	6.3	5.3	5.8	6.1	6.4	RT/TG
Mozart 1	6.4	6.7	6.6	6.3	6.8	6.4	6.6	5.9	4.9	DLF
Parsifal	6.2	6.5	6.4	6.6	6.7	8.1	6.6	7.3	6.2	BSH
Cocktail	6.2	6.4	6.3	6.0	7.0	7.0	6.5	5.9	5.6	LMG
Colonia (LA)	6.2	6.3	6.3	6.0	6.4	5.8	6.1	7.4	7.0	DLF
Miracle	6.2	6.1	6.2	5.6	6.2	5.7	7.1	5.5	7.1	DLF
Powerball (LA)	5.7	5.8	5.7	5.9	6.7	6.9	6.7	6.6	6.8	EG
Conni	5.7	5.7	5.7	6.0	6.1	6.4	5.8	5.9	6.1	DLF
Limerick	5.3	5.4	5.3	5.8	6.2	6.4	6.6	5.7	5.6	EG
Evora	4.8	4.7	4.7	4.7	4.7	5.0	6.3	6.2	6.4	DLF
Zeptor	4.4	4.6	4.5	4.6	5.0	5.4	7.1	6.3	5.0	EG
New Cultivars										
Niccolo (LA)	4.6	4.7	4.6	4.8	5.6	6.6	6.7	7.5	6.1	EG

Table S3**Tall fescue (*Festuca arundinacea*)**

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Winter greenness	Summer greenness	Agent
Greenbrooks	7.9	8.0	7.9	7.3	7.8	7.1	6.6	7.0	RT/TG
Masterpiece	7.5	7.4	7.4	7.5	6.9	5.9	6.7	6.6	DLF/LMG
Debussy 1	7.4	7.4	7.4	7.3	7.3	6.8	7.0	7.2	DLF
Greendwarf	7.1	7.1	7.1	7.6	6.7	6.3	6.9	6.6	RT/TG
Barcesar	7.1	7.1	7.1	7.0	7.4	7.5	5.1	5.0	BAR
Melyane (LA)	6.9	7.0	6.9	6.7	7.4	7.5	5.2	5.1	EG
Grande II	6.7	6.4	6.6	5.8	6.7	6.4	6.4	6.6	RT/TG/SUT
Beagle 1	6.5	6.4	6.4	5.7	6.4	6.3	6.7	6.9	DLF
Susana	5.8	6.6	6.2	6.7	6.2	5.9	6.1	5.1	SEED
Scorpiones	6.3	6.0	6.2	6.5	6.2	6.1	5.9	6.4	RT/TG
Barlexas II	6.0	6.2	6.1	5.9	5.9	6.3	6.7	6.9	BAR
Cochise	6.0	5.7	5.8	5.9	5.5	5.2	6.4	5.7	DLF
Cannavaro	5.7	5.9	5.8	4.9	6.7	7.6	6.8	6.9	DLF
Zuzana (LA)	5.6	5.9	5.8	5.1	6.6	7.7	4.4	4.4	OU
Amalia	4.5	4.9	4.7	4.7	5.7	6.0	6.4	5.5	DLF

Table S4**Tufted hair-grass (*Deschampsia caespitosa*)**

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Cleanliness of cut	Winter greenness	Summer greenness	Agent
Barxera (LA)	6.9	7.0	7.0	7.4	6.6	6.9	6.0	5.6	5.7	BAR
Barcampisia	6.8	6.9	6.8	6.7	7.0	7.0	4.7	5.5	4.6	BAR
Trakaj	6.9	6.8	6.8	6.3	6.9	6.6	6.6	5.7	6.4	EG



Series L

Lawns, Landscaping, Summer Sports and Turf Trials (Mown at 10-15mm)

Perennial ryegrass (Table L1), Smooth-stalked meadow-grass (Table L2), Chewings fescue (Table L3), Slender creeping red fescue (Table L4), Strong creeping red fescue (Table L5), Hard and Sheep's fescue (Table L6), Bentgrasses (Table L7), Tall fescue (Table L8) and Tufted hair-grass (Table L9)

Applications

Professional and domestic lawns

Fairways

Cricket

Tennis courts

General landscaping

Perennial ryegrasses are ranked in Table L1 (pages 11-13), smooth-stalked meadow-grasses in Table L2 (page 13), tall fescues in Table L8 (page 18) and tufted hair-grass in Table L9 (page 18) on their mean performance for shoot density, fineness of leaf, slow regrowth and visual merit.

Fescues are ranked in Tables L3 to L6 (pages 14-17) on their mean performance for shoot density and visual merit.

Bentgrasses are ranked in Table L7 (pages 17 and 18) on the mean of their shoot density, fineness of leaf and visual merit.

In addition to differences among cultivars, there are some general sub-species differences among the red fescues. Chewings fescues in comparison with slender creeping red fescues tend to be more resistant to diseases. They also tend to "green up" faster in the spring. The slender creeping red fescues are more drought tolerant and maintain colour and growth better in the autumn and early winter. Both Chewings and slender creeping red fescues are more tolerant of closer mowing than strong creeping red fescues and produce denser turf at all heights of cut.

Cultivars of hard fescue are shown in order of suitability for use in fine turf in Table L6. These grasses, along with the sheep's fescues may be used for fine turf in very dry or infertile conditions.

They are also suited to low maintenance conditions and may be of value in environmentally sensitive areas, particularly where the natural grasses are of the same species. Please note that sheep's and fine leaved sheep's fescues tend to grow in different directions and as such do not produce a uniform sward. Also, most of these grasses have been found to be fairly intolerant of wear and as a result should only be considered for use in ornamental and low maintenance areas. In contrast Quatro sheep's fescue has been found to be fairly wear tolerant. In golf and bowling green trials at the STRI this cultivar has been shown to have comparable wear tolerance to Chewings and slender creeping red fescues.

Generally, cultivars of tall fescue form turf that would be acceptable for many coarse turfgrass uses. However, they are no substitute for perennial ryegrass in normal turf situations in the UK. Tall fescues are slower in establishment, coarser in leaf texture, and as a result, less attractive in appearance. They may however, have a place under dry or low fertility conditions. Tall fescues have also been used successfully where fairly tall (15- 20cm) but still erect swards are desirable, such as the grassed areas surrounding airfields. New improved cultivars of this grass type, some with rhizomes, are starting to become available. These grasses produce lawns of acceptable quality, particularly where fertility and water might be restricted.

Tufted hair-grass is naturally adapted to damp and shady conditions. In turf the grass forms a dense upright sward, which is fairly tolerant of wear.

Series L

Lawns, Landscaping, Summer Sports and Turf Trials (Mown at 10-15mm)

Table L1

Perennial ryegrass (Lolium perenne)

Cultivar	Shoot density	Finess of leaf	Slow regrowth	Visual merit	Mean	Resistance to Red thread	Cleaness of cut	Winter greenness	Summer greenness	Agent
Clementine (LA)	8.7	8.3	7.4	8.3	8.2	6.2	8.5	5.2	5.8	DLF/JNS/TG
Barsignum	7.9	8.3	7.6	8.5	8.1	5.4	6.8	5.9	6.8	BAR
Monroe (LA)	8.0	8.3	6.6	8.2	7.8	5.7	7.5	6.1	6.2	DLF/JNS
Escapade	7.9	8.5	6.6	7.9	7.7	6.5	6.6	6.2	6.0	BSH/CARN
Chardin	7.8	8.3	6.7	8.1	7.7	7.6	7.8	4.9	5.6	DLF/JNS
Natasha	7.8	8.4	6.5	7.7	7.6	5.1	5.9	6.2	6.3	DLF/JNS
Bargold	7.5	8.3	6.6	7.6	7.5	6.7	6.9	5.5	5.8	BAR
AberImp	8.0	7.2	7.4	7.4	7.5	5.9	7.3	5.5	6.5	BSH
Dickens 1	7.9	7.6	6.0	8.0	7.4	6.8	5.7	5.9	5.6	DLF
Malibu	7.2	8.0	6.2	7.3	7.2	4.6	6.5	5.5	6.2	LMG
Venice	7.6	7.4	6.4	7.3	7.2	8.5	6.9	4.7	5.6	LMG
Dylan	7.1	7.5	6.5	7.5	7.1	8.0	7.3	5.5	6.2	DLF/TG
Melbourne	7.6	7.4	6.0	7.4	7.1	5.6	7.2	5.1	6.2	LMG
Sirtaky	7.9	6.9	5.9	7.5	7.1	7.0	6.6	5.8	5.3	DLF
Poseidon	7.3	6.9	6.8	7.2	7.0	5.1	6.4	4.8	5.3	RT/TG
Carnac	7.9	7.0	6.1	7.0	7.0	6.3	5.8	6.1	6.0	BSH/CARN
Libero	7.4	7.4	6.0	7.2	7.0	4.3	6.1	6.4	6.6	DLF
Banbury	7.7	6.4	6.6	7.2	7.0	6.6	6.1	6.6	6.9	TG
Bocelli	7.3	6.7	6.4	7.4	7.0	5.4	7.4	5.8	6.3	LMG
Traffic	7.2	6.9	6.6	7.1	6.9	5.9	6.3	5.6	6.2	EG
Cyrena	7.0	6.7	6.7	7.2	6.9	5.2	6.9	5.3	5.7	LMG
Mercitwo	7.0	7.1	6.5	7.1	6.9	6.4	8.4	4.6	5.6	RT/TG
Vesuvius	7.6	7.1	5.2	7.7	6.9	6.4	7.0	5.4	5.7	BSH
Madrid	7.1	6.6	6.9	7.0	6.9	4.1	5.8	6.2	5.7	LMG
Ligala	7.1	7.3	5.9	7.2	6.9	5.8	4.4	5.5	5.3	DLF/JNS
Cachemire	7.2	7.2	5.8	7.2	6.8	5.7	6.9	5.9	6.1	GGR
Promotor (LA)	6.8	6.8	6.8	6.9	6.8	6.4	6.3	4.9	5.9	BSH
Cassiopeia	7.0	7.3	6.1	7.0	6.8	6.1	5.8	6.2	5.7	DLF
Alboka	7.2	6.5	6.6	7.0	6.8	6.9	6.9	6.6	6.4	RAGT
Conrad 1	6.9	7.1	6.4	6.9	6.8	6.3	4.8	6.6	5.5	DLF
Barrocky	6.9	7.4	5.7	7.0	6.8	6.2	7.7	4.9	5.6	BAR
Flamenco	7.6	6.6	5.6	7.3	6.8	6.2	6.6	5.9	5.5	SEED
Funk	7.1	6.9	6.2	6.8	6.7	6.6	6.2	5.4	5.5	SEED
Eurodiamond	6.6	7.0	6.3	7.0	6.7	4.9	4.5	5.9	5.7	DLF
Farniente (LA)	7.1	6.7	5.8	7.2	6.7	6.2	5.4	6.0	6.3	EG
Cleopatra	6.8	6.3	6.8	6.8	6.7	6.2	6.4	5.2	5.8	DLF
Evita	7.0	7.3	5.4	7.0	6.7	6.0	4.7	6.3	5.7	DLF
Barcedes	6.9	6.6	6.5	6.8	6.7	7.0	8.1	4.2	5.7	BAR
Himalaya	7.0	6.8	5.7	7.2	6.7	4.5	7.2	5.6	6.3	DLF/LMG
AberElf	7.0	6.6	6.0	7.1	6.7	6.6	7.3	5.3	6.7	BSH
Bareuro	6.9	7.0	6.2	6.6	6.7	5.8	7.1	5.0	5.8	BAR
Fandango	7.1	6.2	6.4	7.1	6.7	6.3	7.0	6.3	5.3	BAR/DLF
Greenway	6.7	7.1	6.1	6.7	6.6	5.8	5.9	5.9	6.1	RT/TG/SUT
Margarita	6.6	7.2	5.6	7.0	6.6	5.1	5.6	6.2	5.9	DLF
Greensky	6.9	6.7	6.3	6.5	6.6	5.7	6.3	5.6	4.9	RT/TG
Milan	6.7	6.8	5.7	7.0	6.5	4.3	7.8	5.9	5.1	LMG
Eugenius	7.1	6.6	5.2	7.2	6.5	5.7	6.3	5.4	5.9	BSH
Cadix	6.5	7.0	6.2	6.3	6.5	5.5	5.5	5.8	5.7	BSH/CARN
Berlioz 1	6.7	6.5	6.2	6.7	6.5	5.6	5.7	6.0	5.5	DLF/TG
Liromeo	6.9	6.2	5.6	7.3	6.5	7.4	7.1	7.0	6.9	EG
Augustus (LA)	6.8	6.5	5.8	6.9	6.5	6.6	7.3	4.7	5.1	EG
Lucius	6.6	6.8	6.1	6.4	6.5	5.0	6.5	5.4	5.5	BSH
Vitellius	6.7	5.9	6.1	7.0	6.4	6.3	6.1	6.0	6.2	BSH

Table L1 Continued

	Shoot density	Fineness of leaf	Slow regrowth	Visual merit	Mean	Resistance to Red thread	Cleaness of cut	Winter greenness	Summer greenness	Agent
Greenfair	6.4	6.6	6.2	6.6	6.4	6.1	6.2	5.9	6.2	RT/TG/SUT
Recital	6.7	6.3	6.4	6.2	6.4	7.4	6.5	6.2	6.9	BAR
Regane (LA)	6.8	6.7	5.5	6.6	6.4	6.1	7.1	6.5	6.9	EG
Lourega	6.8	5.5	6.2	6.9	6.4	7.5	5.0	6.8	6.6	EG
Transate	6.6	5.9	6.0	6.8	6.3	7.0	6.2	6.3	6.0	EG
Pontiac	6.5	5.4	7.7	5.8	6.3	5.1	6.7	4.5	6.0	LMG
Bartwingo	6.3	6.6	6.2	6.1	6.3	5.9	7.6	4.9	5.9	BAR
Frontliner	6.6	6.6	5.3	6.7	6.3	6.6	6.1	5.0	5.9	EG
Columbine	6.3	6.2	5.9	6.7	6.3	6.0	5.7	6.0	5.4	DLF/JNS/TG
Barsandra	6.8	7.1	5.1	6.1	6.3	5.5	7.2	6.0	4.8	BAR
Barlennium	6.1	5.3	7.7	5.9	6.2	6.3	6.2	7.7	7.4	BAR
Tophat 2	5.9	5.4	7.3	6.2	6.2	6.2	6.5	8.2	8.2	DLF
Stolawn	6.7	6.0	5.2	6.8	6.2	5.7	4.7	6.0	6.3	RT/TG/SUT
Turfgold	6.1	5.4	7.1	6.2	6.2	5.7	5.8	6.4	6.1	EG
Ceretec Centurion	6.3	5.3	6.9	6.2	6.2	5.7	5.8	7.0	7.1	PGW
Passion	6.7	6.2	5.4	6.4	6.2	7.1	6.0	6.2	5.6	DLF
Barminton	6.1	6.1	6.3	6.2	6.2	5.4	6.6	5.1	6.2	BAR
Bellini 1	6.3	6.0	5.9	6.4	6.2	5.9	4.9	5.7	5.3	DLF
Bareine	5.7	6.9	6.4	5.5	6.1	4.4	6.4	4.4	4.7	BAR
Libronco	5.9	5.8	7.2	5.5	6.1	6.5	6.2	7.1	6.6	EG
Ritmo (LA)	6.2	5.9	6.0	6.2	6.1	6.1	6.5	5.5	6.1	BAR
Ragtime	6.3	6.0	5.5	6.5	6.1	5.8	6.3	5.7	6.2	BAR
Bizet 1	6.2	6.0	5.6	6.5	6.1	7.0	5.4	5.7	6.2	DLF/JNS
Applaude	6.1	5.4	6.6	6.1	6.1	6.3	6.5	8.1	7.9	RT/TG
Stravinsky	6.4	4.8	6.9	6.1	6.0	6.7	5.6	8.8	8.0	DLF
Kokomo	5.7	5.3	7.0	6.2	6.0	6.7	6.7	8.5	7.8	DLF
Neruda 1	6.2	5.5	6.2	6.1	6.0	7.2	6.1	9.3	7.8	DLF
Blazer 4	5.9	5.3	6.8	6.1	6.0	6.4	5.8	7.8	7.8	BAR
Lifrance	5.6	6.4	6.0	5.9	6.0	6.5	5.8	6.0	5.8	EG
Jubilee EG	6.1	6.0	6.2	5.6	6.0	5.0	5.8	6.0	6.3	EG
Esquire	5.9	5.1	7.2	5.6	6.0	6.4	5.7	6.8	6.9	DLF
Limonica	5.9	5.3	6.2	6.2	5.9	5.4	6.2	7.7	7.3	EG
Brio	6.4	6.3	4.7	6.3	5.9	6.8	5.8	6.1	6.1	EG
Forever	5.8	4.8	7.1	5.9	5.9	7.5	6.4	8.0	8.1	DLF
Busoni 1	6.2	5.6	5.5	6.0	5.8	5.8	5.0	6.2	5.8	DLF
Greenglide	6.5	5.9	4.7	6.2	5.8	5.4	6.4	5.6	5.5	RT/TG
Essence	5.7	6.4	5.6	5.4	5.8	4.3	5.9	5.9	5.3	DLF
Platinum	5.7	5.8	6.0	5.4	5.7	5.8	5.9	7.1	6.5	DLF
Ponderosa	5.5	6.1	6.2	5.1	5.7	4.8	5.5	6.1	5.8	LMG
Doremi	5.5	5.2	5.9	6.0	5.6	6.9	6.8	5.2	6.7	LMG
Concerto	5.7	5.1	5.5	5.8	5.5	5.8	5.8	6.1	5.6	BAR
Eterlou	5.5	5.1	6.0	5.4	5.5	5.9	5.3	6.4	6.8	EG
Disco	5.4	5.3	5.1	5.7	5.4	5.5	5.6	5.9	5.1	LMG
Sanremo	5.1	5.4	5.2	5.7	5.3	6.1	5.0	5.6	5.4	LMG
Verdi	5.3	5.1	5.8	5.0	5.3	5.8	5.8	6.5	6.4	DLF
Vienna	5.1	5.4	5.1	5.4	5.3	5.8	5.2	5.2	5.2	LMG
Taya	4.7	4.9	5.3	5.0	5.0	6.1	5.7	4.9	5.2	DLF
Capri	4.6	4.9	5.0	5.0	4.9	6.7	4.5	6.1	5.4	DLF
Mondial	4.5	4.7	4.7	4.7	4.7	5.6	5.6	4.6	5.3	LMG
New Cultivars										
Aiken (LA)	7.8	7.7	8.0	7.7	7.8	5.5	6.9	5.8	6.4	DLF
Duparc (LA)	8.1	7.8	6.5	8.3	7.7	8.6	7.4	5.0	5.1	DLF
Korfu (LA)	7.3	7.0	8.4	7.4	7.5	7.3	7.4	5.3	5.6	DLF
Toldo (LA)	7.6	7.8	6.8	7.6	7.5	6.0	5.8	5.0	5.5	DLF
Barcristalla (LA)	7.8	7.2	6.7	7.7	7.4	5.7	5.8	6.5	7.0	BAR
Cordus (LA)	7.5	7.4	7.0	7.6	7.4	7.5	6.2	6.0	6.0	EG
Enesco (LA)	7.8	7.1	6.7	7.6	7.3	5.7	6.1	6.1	5.7	DLF
Shorty	7.3	7.4	7.1	7.3	7.3	4.9	5.6	4.8	5.5	DLF
Nagano (LA)	7.0	7.4	7.1	7.2	7.2	5.1	7.6	4.6	5.1	LMG
Kalmia (LA)	7.3	6.7	6.9	7.5	7.1	5.9	6.9	5.1	5.8	DLF

Table L1 Continued

	Shoot density	Fineness of leaf	Slow regrowth	Visual merit	Mean	Resistance to Red thread	Cleanliness of cut	Winter greenness	Summer greenness	Agent
Barorlando	7.3	6.8	6.8	7.5	7.1	5.8	6.9	5.7	6.4	BAR
Florianne (LA)	7.2	7.0	5.6	7.6	6.8	7.7	6.2	5.9	6.0	DLF
Menuet (LA)	6.8	6.8	6.1	6.8	6.6	6.8	5.5	5.3	5.3	DLF/JNS

Table L2
Smooth-stalked meadow-grass (*Poa pratensis*)

Cultivar	Shoot density	Fineness of leaf	Slow regrowth	Visual merit	Mean	Resistance to Rust	Winter greenness	Summer greenness	Agent
Kaitos (LA)	7.9	7.7	7.7	7.6	7.7	5.9	6.0	4.7	DLF
Sombrero	8.0	7.6	7.0	7.6	7.6	5.8	5.7	4.9	DLF/JNS
Greenplay	8.0	7.7	6.3	7.7	7.4	6.4	5.8	4.9	RT/TG
Linares	8.1	7.9	5.8	7.9	7.4	6.4	5.9	4.9	EG
Lincolnshire	7.9	7.3	6.1	7.9	7.3	4.7	6.6	5.6	DLF
Limousine	7.9	7.5	5.7	7.6	7.2	5.5	6.3	5.2	DLF/JNS
Barhelene	7.6	7.7	6.1	7.2	7.2	5.8	5.1	4.5	BAR
Yvette	7.4	7.1	6.4	7.4	7.1	7.4	6.8	5.5	LMG
Parsifal	6.9	7.4	6.5	6.9	6.9	6.7	6.5	5.3	BSH
Julius	7.7	7.0	5.4	7.2	6.8	5.4	6.1	4.8	DLF
Cocktail	7.0	7.0	5.9	7.5	6.8	6.9	6.7	6.4	LMG
Mozart 1	7.2	7.1	5.6	7.2	6.7	7.0	5.8	5.1	DLF
Powerball (LA)	6.5	6.6	6.8	6.3	6.5	6.0	6.1	6.3	EG
Miracle	6.5	6.3	6.4	6.6	6.4	7.4	6.1	7.1	DLF
Conni	6.4	6.0	5.9	6.8	6.3	5.9	5.9	6.5	DLF
Cynthia	5.8	6.9	5.8	6.0	6.1	5.3	6.2	5.8	LMG
Zeptor	6.1	6.0	6.5	5.8	6.1	6.2	5.1	6.3	EG
Julia	6.0	6.1	5.8	6.0	6.0	6.3	6.3	5.6	BSH
Broadway	6.2	5.2	5.2	6.4	5.8	6.1	6.2	6.6	RT/TG
Limerick	6.0	5.9	4.9	5.9	5.7	6.7	6.0	5.8	EG
Bariris	5.9	6.1	4.9	5.7	5.7	5.4	4.3	5.4	BAR
Panduro	5.8	5.9	5.5	5.4	5.6	6.1	6.0	5.5	DLF
Evora	4.5	4.3	4.2	4.6	4.4	4.3	5.6	6.9	DLF

New Cultivars

Joker	7.5	7.6	5.4	7.3	7.0	6.2	5.3	5.4	BSH
Harmonie	7.6	7.5	4.1	7.5	6.6	4.6	4.9	5.0	DLF/TG
Colonia (LA)	6.0	5.9	5.2	6.2	5.8	5.8	6.4	6.2	DLF

Series L

Lawns, Landscaping, Summer Sports and Turf Trials (Mown at 10-15mm)

Table L3

Chewings fescue (*Festuca rubra commutata*)

Cultivar	Shoot density	Visual merit	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Musica	7.6	7.6	7.6	6.5	5.7	7.7	DLF/JNS
Barlineus	7.8	7.3	7.6	8.0	6.1	4.7	BAR
Greenmile	7.6	7.5	7.5	6.4	7.3	6.1	DLF
Blenheim	7.4	7.5	7.5	6.5	6.7	5.7	DLF/JNS
Carioca	7.2	7.4	7.3	6.3	6.2	6.0	DLF
Dorianna	6.9	7.5	7.2	7.5	7.2	5.9	BSH
Florasol	7.3	7.1	7.2	6.9	5.9	3.5	DLF
Greensleeves	6.9	7.3	7.1	6.7	5.6	5.5	RT/TG
Troville	6.9	7.2	7.1	7.0	6.5	4.7	DLF
Joanna	7.0	7.1	7.0	5.0	6.7	7.3	BSH
Bargreen II	7.2	6.8	7.0	5.8	5.2	5.1	BAR
Barswing	7.0	6.9	7.0	7.8	6.5	5.2	BAR
Mission	6.9	6.9	6.9	6.5	6.4	7.0	DLF
Maritza	6.9	6.8	6.9	6.3	5.6	5.3	LMG
Nikky	6.8	6.8	6.8	5.6	5.4	5.8	LMG
Eurocrown	6.7	6.8	6.8	6.3	5.7	5.3	EG
Charme	6.8	6.6	6.7	5.4	5.1	5.3	EG
Luisa	6.8	6.6	6.7	5.7	6.7	6.7	BSH
Raisa	6.8	6.4	6.6	5.7	5.9	5.5	BSH
Wagner 1	6.6	6.6	6.6	5.8	6.8	6.7	DLF
Greenscoop (LA)	6.5	6.4	6.5	6.5	6.2	5.2	DLF
Monuela	6.6	6.3	6.5	6.9	6.2	7.5	LMG
Barbirdie	6.3	6.4	6.4	5.3	6.2	5.3	BAR
Calliope	6.7	6.0	6.4	5.4	4.4	6.5	DLF/TG
Bargreen	6.3	6.4	6.4	7.3	5.9	6.4	BAR
Belleaire	6.1	6.5	6.3	4.6	6.8	7.1	RT/TG
Lichampion	6.3	6.2	6.3	5.9	5.4	6.6	EG
Trophy	5.7	6.7	6.2	7.0	5.4	6.6	DLF
Excellence	6.2	6.2	6.2	5.0	5.7	5.7	EG
Capriccio	6.1	6.0	6.0	6.1	5.3	6.2	DLF
Olivia	6.1	5.9	6.0	4.9	5.2	6.3	EG
Livista	6.4	5.5	5.9	6.2	4.9	6.6	EG
Liroyal	5.5	6.2	5.8	6.1	6.3	5.7	EG
Lucinda	5.7	5.5	5.6	6.5	5.8	6.4	EG
Raymond	4.6	5.0	4.8	5.9	7.4	6.1	LMG

New Cultivars

Humboldt	7.8	7.5	7.7	6.8	5.4	5.4	DLF/JNS
Caldris (LA)	7.6	7.4	7.5	6.0	4.5	4.3	DLF
Brahms (LA)	6.7	7.1	6.9	6.3	6.6	5.2	DLF
Katarina (LA)	7.0	6.8	6.9	4.9	6.0	5.6	EG

Series L

Lawns, Landscaping, Summer Sports and Turf Trials (Mown at 10-15mm)

Table L4

Slender creeping red fescue (*Festuca rubra litoralis*)

Cultivar	Shoot density	Visual merit	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Viktorka	8.2	8.0	8.1	8.0	5.7	7.7	BAR
Barcrown	7.9	7.6	7.8	8.5	5.7	6.6	BAR
Cezanne	7.5	7.7	7.6	6.5	6.5	6.9	DLF/JNS
Barprince	7.5	7.7	7.6	7.2	5.4	5.2	BAR
Barpearl	7.3	7.4	7.3	8.0	6.4	6.2	BAR
Borluna	7.4	7.1	7.3	5.5	6.9	7.3	BSH
Finesto	7.2	7.2	7.2	5.7	5.6	5.4	DLF
Valdora	7.1	7.1	7.1	6.1	5.5	6.0	DLF
Javelin	6.7	7.4	7.0	8.0	5.4	6.2	EG
Mocassin	6.8	7.0	6.9	7.4	6.1	5.7	LMG
Barmalia	6.7	7.0	6.9	7.5	5.7	4.2	BAR
Corsaire	6.7	7.0	6.8	6.9	6.4	5.4	LMG
Turner 1	6.7	6.6	6.7	5.9	5.8	7.3	RT/TG
AberCharm	6.8	6.3	6.6	6.0	7.9	8.1	BSH
Carousel	6.3	6.8	6.6	5.7	6.0	5.9	LMG
Libeauty (LA)	6.6	6.3	6.5	7.6	7.3	7.6	EG
Amarone	6.4	6.4	6.4	7.0	6.5	5.5	DLF
Musette	6.2	6.5	6.3	4.5	7.1	6.5	DLF
Pinafore	6.3	6.4	6.3	6.4	7.5	6.9	DLF
Corrida	6.1	6.2	6.1	5.4	6.4	7.5	LMG
Euromaster (LA)	6.3	5.9	6.1	6.9	4.5	4.4	EG
Mezzoforte (LA)	6.2	5.9	6.1	5.7	7.6	6.5	EG
Helena	6.1	5.8	5.9	4.9	5.3	5.2	RT/TG
Paganini 1 (LA)	5.8	6.0	5.9	5.2	6.3	5.3	DLF
Reggae	6.1	5.7	5.9	4.4	6.4	6.1	DLF
Smirna	5.5	5.6	5.6	6.2	5.2	5.4	DLF/LMG
Carmania	5.4	5.5	5.4	5.1	6.9	5.7	CARN
Samanta	5.1	5.3	5.2	5.3	4.8	5.2	DLF
Libano	5.2	5.2	5.2	5.1	5.3	5.6	EG
New Cultivars							
Beudin	7.8	8.1	8.0	6.1	5.3	5.1	DLF/JNS
Montjeu (LA)	7.8	7.2	7.5	7.4	6.2	7.3	ATR
Isolde (LA)	7.4	7.5	7.4	5.9	7.0	6.7	DLF
EuroMarie (LA)	6.7	7.0	6.8	4.8	7.9	5.5	EG
Cathrine (LA)	6.6	6.3	6.4	4.6	8.8	7.7	EG
Nicole (LA)	5.6	5.6	5.6	5.3	6.2	6.2	EG

Series L

Lawns, Landscaping, Summer Sports and Turf Trials (Mown at 10-15mm)

Table L5

Strong creeping red fescue (*Festuca rubra rubra*)

Cultivar	Shoot density	Visual merit	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Greenvie	6.2	6.0	6.1	6.0	5.9	5.7	RT/TG
Rossinante	6.1	6.1	6.1	6.0	6.5	6.3	DLF/JNS
Chopin	5.8	5.7	5.7	3.5	6.4	5.9	DLF
Bossanova	5.8	5.6	5.7	5.5	7.0	5.7	BAR
Salsa (LA)	5.5	5.8	5.7	5.4	6.5	6.0	BAR
Carmaniole	5.7	5.5	5.6	6.0	7.5	6.5	CARN
Ryder	5.7	5.4	5.6	5.3	6.6	6.6	EG
Sergei	5.6	5.5	5.5	5.3	6.1	6.2	BAR/DLF
Lisamba	5.4	5.5	5.5	4.6	7.0	7.8	EG
Hightower	5.6	5.4	5.5	4.0	4.3	8.1	EG
Swing	5.6	5.3	5.5	4.9	6.1	5.6	BAR
Cabarette	5.4	5.4	5.4	3.3	6.6	5.4	CARN
Heidrun	5.5	5.3	5.4	5.2	6.0	5.8	LMG
Clemens	5.2	5.4	5.3	4.3	5.9	5.6	DLF
Polka	5.1	5.2	5.2	5.2	6.5	6.2	SEED
Camilla	4.9	5.1	5.0	5.6	7.4	6.3	EG
Litango	5.0	4.9	4.9	4.3	5.7	6.4	EG
Jasperina	4.8	5.0	4.9	4.2	5.5	6.2	EG
Mazurka	4.9	4.9	4.9	3.1	6.3	5.8	BAR
Fashion	5.0	4.8	4.9	3.8	6.5	5.9	EG
Herald	4.8	5.0	4.9	4.5	6.0	5.8	DLF
Dipper (LA)	4.8	4.7	4.8	3.7	6.8	5.8	EG
Barustic	4.5	4.7	4.6	4.1	5.4	5.8	BAR
Relevant	4.5	4.4	4.5	5.3	5.8	5.9	EG
Lambada	4.4	4.5	4.4	5.4	4.8	5.9	BAR
Agnetha	4.5	4.4	4.4	4.1	6.4	8.2	EG
Mystic	4.4	4.4	4.4	5.3	6.5	6.4	RT/TG/SUT
Corail	4.5	4.3	4.4	4.9	5.6	5.8	DLF/LMG
Rumba (LA)	4.2	4.4	4.3	4.8	6.0	4.9	BAR
Maxima 1	4.2	4.2	4.2	4.9	6.9	5.7	DLF
Livision	4.2	4.2	4.2	3.8	5.6	6.0	EG
Felix	4.2	4.1	4.1	5.2	6.1	5.3	LMG
Franklin	3.8	3.7	3.8	5.2	5.0	5.7	LMG
Boreal	3.4	3.6	3.5	4.6	4.1	4.5	Fa*
New Cultivars							
Mellori (LA)	5.8	5.7	5.7	2.6	7.3	7.1	EG

*Freely available

Series L

Lawns, Landscaping, Summer Sports and Turf Trials (Mown at 10-15mm)

Table L6

Hard and Sheep's fescue (*Festuca longifolia*, *Festuca tenuifolia* and *Festuca ovina*)

Cultivar	Shoot density	Visual merit	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Hard fescue (<i>Festuca longifolia</i>)							
Crystal	7.7	7.0	7.3	6.7	6.9	6.7	LMG
Manetto	7.5	7.1	7.3	6.0	7.0	6.9	DLF/JNS
Hardtop	6.8	6.6	6.7	6.0	7.1	5.9	BAR
Reliant II	5.8	5.9	5.9	5.8	5.4	6.3	SEED
Nordic	5.8	5.9	5.8	7.3	6.7	6.1	DLF
Dumas 1	5.8	5.8	5.8	6.0	6.7	5.8	DLF
Mentor	5.5	5.6	5.6	6.3	5.4	5.5	BSH
Fine-leaved sheep's fescue (<i>Festuca tenuifolia</i>)							
Barok	7.6	5.1	6.3	4.4	4.7	3.9	BAR
Sheep's fescue (<i>Festuca ovina</i>)							
Quatro	8.6	7.6	8.1	8.1	8.1	6.8	DLF/JNS
AberFleece	7.6	6.3	6.9	5.1	6.6	7.1	BSH

Table L7

Bentgrasses (*Agrostis* spp.)

Cultivar	Shoot density	Fineness of leaf	Visual merit	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Browntop bent (<i>Agrostis capillaris</i>)								
AberRegal (LA)	7.6	7.3	7.8	7.5	5.5	6.9	7.0	BSH
BarkKing	7.1	7.1	7.6	7.3	5.9	7.4	5.6	BAR
Ambition	6.9	6.8	7.6	7.1	4.8	6.4	4.9	LMG
Troy	6.7	6.6	7.0	6.8	6.5	6.4	6.6	PGW
Manor	6.6	6.6	7.2	6.8	5.4	6.1	6.1	DLF/JNS
Heriot	6.7	6.5	7.2	6.8	5.5	6.8	6.3	BAR
Jorvik	6.7	6.7	6.6	6.7	4.8	5.8	6.4	DLF
Egmont	6.5	6.5	6.9	6.6	6.1	7.1	6.6	RT/TG
Greenspeed	6.6	6.3	6.9	6.6	5.2	6.7	6.0	RT/TG
Greentime (LA)	6.4	6.0	7.2	6.5	5.8	6.1	8.0	DLF
Sefton	6.2	6.4	6.9	6.5	5.0	6.4	5.8	LMG
Denso	6.2	6.5	6.5	6.4	6.6	5.6	7.1	DLF
Arletta	5.6	6.6	6.8	6.3	5.2	6.6	5.4	LMG
Tiger Nova	6.2	6.2	6.5	6.3	6.0	5.5	7.0	DLF
Lance	5.9	6.0	6.6	6.2	5.5	7.2	6.0	ATR
Egmonttwo	6.0	5.9	6.6	6.2	5.4	6.3	5.7	RT/TG
Orient (LA)	5.4	5.5	6.6	5.8	6.1	7.3	5.6	EG
New Cultivars								
Arrowtown	7.6	7.3	7.8	7.6	5.6	4.9	6.1	DLF/JNS

Table L7 Continued

	Shoot density	Fineness of leaf	Visual merit	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Highland bent (<i>Agrostis castellana</i>)								
Highland	4.6	4.6	4.9	4.7	4.9	8.6	4.4	Fa*
Creeping bent (<i>Agrostis stolonifera</i>)								
Runner	6.9	6.6	6.5	6.7	6.3	4.8	5.9	RT/TG
Penn A-1	5.7	5.6	5.6	5.6	6.6	4.8	5.4	EVER
Penn A-4	5.8	5.4	5.6	5.6	7.0	5.2	5.4	EVER
Bueno (18th G)	6.2	5.1	4.8	5.3	5.6	4.3	6.4	RT/TG
Velvet bent (<i>Agrostis canina</i>)								
Villa 1	9.1	8.7	7.5	8.4	5.3	6.6	8.2	DLF/JNS
Avalon	8.6	8.1	8.2	8.3	4.3	7.3	7.8	BSH

*Freely available

Table L8

Tall fescue (*Festuca arundinacea*)

Cultivar	Shoot density	Fineness of leaf	Slow regrowth	Visual merit	Mean	Winter greenness	Summer greenness	Agent
Cannavaro	7.9	8.1	7.3	7.9	7.8	7.2	7.5	DLF
Greenbrooks	7.2	6.9	7.2	7.7	7.3	7.4	7.3	TG
Barcesar	7.2	7.6	6.1	7.2	7.0	6.1	5.5	BAR
Debussy 1	7.2	6.7	6.4	7.1	6.9	7.5	7.5	DLF
Beagle 1	7.0	7.1	6.1	7.0	6.8	6.9	7.3	DLF
Masterpiece	6.2	6.4	7.1	6.8	6.6	6.7	7.0	DLF/LMG
Greendwarf	6.6	6.0	6.8	6.8	6.6	7.1	6.7	TG
Barlexas II	6.5	6.5	6.8	6.3	6.5	6.5	7.0	BAR
Meandre	6.4	6.7	6.2	6.5	6.5	5.5	6.0	EG
Divyna	6.8	6.4	5.9	6.3	6.4	5.3	5.1	EG
Barleroy	5.9	6.7	5.9	6.0	6.1	6.2	5.9	BAR
Amalia	6.5	5.9	5.4	6.5	6.1	6.1	5.4	DLF
Susana	5.9	6.1	5.3	6.1	5.8	5.6	5.2	SEED
Starlett	5.8	5.7	5.8	5.9	5.8	6.6	6.3	DLF
Cochise	5.5	5.0	5.8	5.1	5.3	6.6	5.8	DLF
New Cultivars								
Melyane (LA)	7.2	6.9	6.7	7.4	7.1	5.3	5.5	EG

Table L9

Tufted hair-grass (*Deschampsia caespitosa*)

Cultivar	Shoot density	Visual merit	Fineness of leaf	Slow regrowth	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Barcampsia	8.2	8.2	8.3	5.0	7.4	4.8	6.7	4.5	BAR
Trakaj	6.7	6.2	6.6	6.7	6.6	5.9	4.8	6.1	EG
Barxera (LA)	6.2	5.5	6.3	6.5	6.1	6.0	4.0	4.6	BAR
Candela	6.0	6.1	6.0	6.0	6.0	4.6	6.0	6.3	DLF

Series G

Greens, Close Mown Trials (Mown at 4-7mm)

Bentgrasses (Table G1), Chewings fescue (Table G2), Slender creeping red fescue (Table G3), Perennial ryegrass (Table G4)

Applications

Golf greens

Bowling greens

Ornamental lawns

Cultivars of bentgrass species are listed in order of their suitability for use in very close mown turf, such as golf and bowling greens in Table G1 (page 20).

For the very fine turf, such as golf greens and bowling greens, the finer and denser cultivars of *A. capillaris* appear to perform best under traditional UK management and growing conditions. Higher management inputs are required to maintain creeping bentgrasses.

Velvet bentgrass (*A. canina*) produces exceptionally dense turf and generally has better drought tolerance than the other bentgrass species. However, it also produces more thatch than other bents and this would need to be controlled to maintain the very good surface, which this grass can produce.

Cultivars of Chewings fescue and slender creeping red fescue are shown in order of their suitability for use in very close mown turf (golf and bowling greens, mown at 4-7mm) in Tables G2 (page 21) and G3 (page 22). As for the bentgrasses, the order was determined from the mean of each cultivars visual merit and shoot density scores. These grasses can produce acceptable greens under restricted watering and fertility regimes that would limit the performance of some bentgrasses.

Table G4 (page 23) describes the performance of perennial ryegrass cultivars that have been evaluated under close mowing (4 mm summer and 7 mm winter). These grasses should be used in situations where the need for quick establishment and wear tolerance is combined with a degree of close mowing. They should not be seen as a replacement for bentgrasses or fine fescues in golf or bowling greens.

Series G

Greens, Close Mown Trials (Mown at 4-7mm)

Table G1

Bentgrasses (*Agrostis* spp.)

Greens

Cultivar	Shoot density	Visual merit	Mean	Fineness of leaf	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Browntop bent (<i>Agrostis capillaris</i>)								
Manor	7.1	7.1	7.1	6.7	5.6	6.2	6.3	DLF/JNS
BarkKing	6.8	7.4	7.1	6.7	5.9	7.0	6.1	BAR
AberRegal (LA)	6.8	7.1	7.0	6.4	6.3	6.9	6.9	BSH
Heriot	6.7	7.1	6.9	6.9	5.6	6.5	6.3	BAR
AberRoyal	6.6	7.1	6.9	7.0	5.8	7.5	6.7	BSH
Greenspeed	6.7	6.9	6.8	6.7	6.0	6.1	6.1	RT/TG
Sefton	6.7	7.0	6.8	7.0	5.0	5.9	5.3	LMG
Egmont	6.7	6.8	6.8	6.4	6.2	6.9	6.5	RT/TG
Troy	6.7	6.8	6.8	6.3	6.6	5.7	6.3	PGW
Jorvik	6.7	6.7	6.7	6.5	5.0	6.2	6.9	DLF/JNS
Galina	6.4	6.9	6.7	5.7	6.6	6.1	6.5	DLF
Egmontwo	6.6	6.7	6.6	6.7	5.9	5.8	5.9	RT/TG
Ambition	6.5	6.6	6.5	6.5	6.5	4.3	4.4	LMG
Denso	6.2	6.4	6.3	6.1	6.4	6.0	7.0	DLF
Tiger Nova	6.0	6.3	6.2	5.6	6.2	6.3	7.1	DLF
Greentime (LA)	6.0	6.3	6.2	5.2	6.3	6.8	8.8	DLF
Polana	5.9	6.4	6.1	5.4	6.5	6.0	6.4	DLF
Aretta	5.8	6.3	6.0	7.5	5.0	7.0	5.5	LMG
Lance	5.9	6.1	6.0	5.7	6.0	6.8	6.3	ATR
Vitek	5.7	6.0	5.9	6.2	6.3	6.5	7.5	OU
New Cultivars								
Arrowtown	7.6	8.2	7.9	7.2	6.4	3.6	5.5	DLF/JNS
Velvet bent (<i>Agrostis canina</i>)								
Vesper	9.0	8.3	8.6	8.5	4.3	6.3	8.2	BSH
Villa 2	8.5	8.3	8.4	8.5	3.7	4.6	7.4	DLF/JNS
Villa 1	8.6	7.7	8.1	7.8	3.8	5.5	7.7	DLF/JNS
Avalon	8.3	7.6	8.0	8.2	4.0	6.5	7.9	BSH
Creeping bent (<i>Agrostis stolonifera</i>)								
Cobra nova	7.1	7.3	7.2	7.0	6.2	6.8	6.3	DLF/JNS
OO7 DSB	6.9	7.1	7.0	6.9	6.1	6.4	5.6	BSH
Independence 1	6.8	7.0	6.9	6.3	6.0	5.7	5.7	DLF/JNS
CY2	6.8	7.0	6.9	6.0	5.9	5.7	5.0	DLF
Runner	6.9	6.7	6.8	6.7	6.3	5.7	5.5	TG
Mackenzie	6.8	6.8	6.8	6.7	5.3	6.0	5.7	EG
Tyee	6.6	6.5	6.5	6.2	6.3	6.0	5.6	BSH
Penn G-6	6.5	6.3	6.4	6.1	6.6	6.6	6.4	EVER
Penn A-1	6.3	6.3	6.3	6.1	6.4	6.3	5.7	EVER
Penn A-4	6.1	6.0	6.1	6.4	6.3	6.0	5.7	EVER
SR 1119	5.8	5.9	5.8	4.8	7.4	5.5	5.8	BSH
Bueno (18th G)	5.9	5.2	5.6	5.3	5.8	4.5	6.6	RT/TG

Series G

Greens, Close Mown Trials (Mown at 4-7mm)

Table G2

Chewings fescue (*Festuca rubra commutata*)

Cultivar	Shoot density	Visual merit	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Musica	7.9	7.9	7.9	6.3	5.8	7.9	DLF/JNS
Bargreen II	7.9	7.7	7.8	6.6	6.4	5.7	BAR
Eurocrown	7.8	7.7	7.8	7.3	6.9	6.3	EG
Nikky	7.9	7.6	7.7	5.4	7.3	7.4	LMG
Greensleeves	7.8	7.3	7.6	6.7	6.6	6.0	RT/TG
Carioca	7.0	7.1	7.1	6.1	6.0	6.0	DLF
Barswing	7.2	6.9	7.1	7.6	6.4	5.9	BAR
Belleaire	6.9	7.3	7.1	4.5	6.4	6.8	RT/TG
Troville	7.1	7.0	7.0	7.4	5.3	5.5	DLF
Barbirdie	6.8	7.2	7.0	5.6	6.5	5.7	BAR
Calliope	7.2	6.6	6.9	5.1	5.0	5.6	DLF/RT/TG
Monuela	6.7	7.1	6.9	6.9	5.3	6.8	LMG
Greenmile (LA)	6.8	7.0	6.9	7.0	6.5	6.7	DLF
Margret	6.8	6.9	6.8	7.4	4.8	6.2	LMG
Dorianna	6.5	6.9	6.7	7.4	7.2	6.6	BSH
Luisa	6.6	6.8	6.7	6.0	6.6	6.2	BSH
Florasol	6.9	6.4	6.7	6.6	5.0	4.3	DLF
Excellence	6.5	6.8	6.6	5.8	7.1	7.3	EG
Wagner 1	6.7	6.5	6.6	5.9	6.6	7.7	DLF
Lichampion	6.5	6.7	6.6	6.3	5.9	7.0	EG
Bargreen	6.4	6.7	6.6	7.3	5.7	5.7	BAR
Charme	6.6	6.4	6.5	5.8	5.3	6.3	EG
Blenheim	6.7	6.3	6.5	6.4	6.2	6.8	DLF/JNS
Greenscoop (LA)	6.4	6.5	6.4	6.5	6.0	5.8	DLF
Brahms (LA)	6.4	6.4	6.4	5.6	7.2	5.6	DLF
Raisa	6.7	6.0	6.4	5.4	5.6	5.5	BSH
Maritza	6.5	6.1	6.3	6.4	6.1	6.9	LMG
Trophy	5.9	6.5	6.2	6.5	5.1	6.3	DLF
Waldorf	6.1	6.2	6.2	7.3	6.0	6.3	LMG
Olivia	6.2	6.1	6.2	5.1	5.5	5.7	EG
Barborka	6.1	6.1	6.1	7.4	5.5	6.4	OU
Capriccio	6.1	6.0	6.0	6.3	5.5	6.2	DLF
Lucinda	6.2	5.7	6.0	6.7	5.8	5.9	EG
Livista	5.9	5.4	5.7	6.8	4.0	5.4	EG
Liroyal	5.1	6.0	5.5	6.3	6.9	5.7	EG
Raymond	4.9	5.1	5.0	6.4	6.9	5.7	LMG
Lifalla	4.8	5.1	4.9	6.6	6.1	6.3	EG
New Cultivars							
Barlineus	8.9	8.5	8.7	7.6	7.0	5.0	BAR
Humboldt	7.8	7.3	7.6	7.1	6.6	6.2	DLF/JNS
Caldris	7.4	7.2	7.3	5.8	5.3	5.3	DLF
Mission	6.9	7.0	6.9	6.6	8.2	8.0	DLF
Joanna	6.4	6.2	6.3	4.2	7.6	7.5	BSH

Table G3**Slender creeping red fescues (*Festuca rubra litoralis*)**

Cultivar	Shoot density	Visual merit	Mean	Resistance to Red thread	Winter greenness	Summer greenness	Agent
Viktorka	8.2	8.1	8.2	8.0	6.5	7.8	BAR
Cezanne	7.6	7.9	7.8	6.4	4.8	5.5	DLF/JNS
Barcrown	7.8	7.5	7.6	8.2	6.2	6.8	BAR
Barpearl	7.1	7.4	7.3	8.0	6.3	6.2	BAR
Turner 1	7.0	7.5	7.2	5.3	6.3	7.0	RT/TG
Valdora	7.1	7.3	7.2	6.3	5.5	6.0	DLF/JNS
Finesto	7.1	7.2	7.1	6.1	5.2	5.3	DLF
Mocassin	6.9	7.3	7.1	7.3	6.4	6.0	LMG
Isolde (LA)	7.1	7.1	7.1	5.9	6.2	7.5	DLF
Corsaire	6.9	7.3	7.1	7.4	5.8	5.0	LMG
Reggae	6.9	7.2	7.1	4.4	6.3	6.0	DLF
Amarone	7.2	6.9	7.1	6.8	5.7	4.9	DLF
AberCharm	7.0	6.7	6.9	5.3	7.1	8.0	BSH
Musette	6.8	6.8	6.8	4.6	6.6	6.2	DLF
Carousel	6.3	6.9	6.6	5.8	5.8	5.8	LMG
Libeauty (LA)	6.3	6.7	6.5	6.9	7.1	7.4	EG
Javelin	6.2	6.7	6.4	7.6	3.9	4.4	EG
Helena	6.5	6.3	6.4	5.0	5.6	5.2	RT/TG
Barmalia	6.3	6.4	6.3	7.2	4.9	4.4	BAR
Corrida	6.2	6.2	6.2	6.4	5.9	7.0	LMG
Smirna	6.0	6.1	6.1	5.7	5.6	5.6	LMG/DLF
Libano	5.9	5.8	5.8	5.2	5.7	5.9	EG
Mezzoforte (LA)	5.7	5.2	5.4	4.7	7.7	6.4	EG
Samanta	5.1	5.5	5.3	5.6	5.5	5.4	DLF

New Cultivars

Montjeu (LA)	7.3	7.4	7.4	7.8	5.9	7.1	ATR
Beudin	7.4	7.1	7.3	6.5	5.2	4.3	DLF/JNS
Barprince	6.9	6.7	6.8	7.3	5.1	5.1	BAR
Borluna	6.6	6.5	6.6	5.7	4.9	7.5	BSH
Nicole (LA)	6.6	6.3	6.4	6.1	6.6	6.2	EG

Series G

Greens, Close Mown Trials (Mown at 4-7mm)

Table G4

Perennial ryegrass (*Lolium perenne*)

Cultivar	Shoot density	Visual merit	Mean	Fineness of leaf	Resistance to Red thread	Cleanliness of cut	Winter greenness	Summer greenness	Agent
Bargold	6.9	7.0	6.9	7.2	5.6	-	6.3	6.0	BAR
Natasha	6.9	6.9	6.9	7.1	5.2	-	6.2	6.3	DLF/JNS
Greenway	5.9	6.1	6.0	6.2	4.6	-	6.2	6.0	RT/TG/SUT
Greenfair	5.1	5.1	5.1	5.4	6.4	6.3	6.6	6.2	RT/TG/SUT
New Cultivars									
Clementine (LA)	7.9	7.9	7.9	7.4	6.7	-	5.1	5.2	DLF/JNS/TG
Monroe (LA)	7.2	7.4	7.3	7.6	6.2	-	5.8	6.7	DLF/JNS
Dickens 1	7.2	7.3	7.2	6.3	5.7	-	6.1	5.7	DLF
Chardin	7.0	7.0	7.0	7.2	5.2	-	4.2	4.8	DLF/JNS
Cyrena	6.7	6.8	6.7	6.4	7.2	-	5.4	5.2	LMG
Mercitwo	6.1	6.1	6.1	6.2	6.7	-	4.7	5.6	RT/TG



Series M

Miscellaneous grasses

Miscellaneous Grasses

Other Grasses (Table M1)

Table M1 lists the availability of minor turfgrass species. The performance of these grasses may differ from the more traditional amenity grass species and these differences have yet to be fully determined. They should, therefore, be treated with some caution as their growth characteristics and susceptibility to disease will differ from more commonly used grass species.

Table M1

Other Grasses

Cultivar	Wear Tolerance	Shoot density	Fineness of leaf	Visual merit	Slow regrowth	Short growth	Agent
Crested hair grass (<i>Koeleria cristata</i>) Note 1							
Barkoel	-	6.4	7.1	7.2	2.5	6.2	BAR
Rough-stalked meadow-grass (<i>Poa trivialis</i>) Note 2							
Boganis (LA)	-	5.7	8.2	5.1	7.9	-	DLF/JNS
Sabrene 1	-	5.4	8.2	5.0	8.0	-	DLF
Solo	4.9	7.3	7.4	4.2	7.7	-	DLF
Prostrate meadow-grass (<i>Poa supina</i>) Note 2							
Supra (LA)	7.9	6.9	4.7	5.9	5.6	-	BSH
Timothy (<i>Phleum bertolonii</i>) Note 2							
Piccolo	5.6	4.3	3.6	4.8	6.2	-	SEED

- = No data

Notes:

- 1 Comparable with browntop & creeping bents
- 2 Comparable with smooth-stalked meadow-grass

Index

Cultivar	Species	Tables			
AberCharm	Slender creeping red fescue	L4 G3	Berlioz 1	Perennial ryegrass	S1 L1
AberElf	Perennial ryegrass	S1 L1	Beudin	Slender creeping red fescue	L4 G3
AberFleece	Sheep's fescue	L6	Bizet 1	Perennial ryegrass	S1 L1
AberImp	Perennial ryegrass	S1 L1	Blazer 4	Perennial ryegrass	L1
AberRegal (LA)	Browntop bent	L7 G1	Blenheim	Chewings fescue	L3 G2
AberRoyal	Browntop bent	G1	Bocelli	Perennial ryegrass	S1 L1
Agnetha	Strong creeping red fescue	L5	Boganis (LA)	Rough stalked meadow-grass	M
Aiken (LA)	Perennial ryegrass	S1 L1	Boreal	Strong creeping red fescue	L5
Alboka	Perennial ryegrass	S1 L1	Borluna	Slender creeping red fescue	L4 G3
Amalia	Tall fescue	S3 L8	Bossanova	Strong creeping red fescue	L5
Amarone	Slender creeping red fescue	L4 G3	Brahms (LA)	Chewings fescue	L3 G2
Ambition	Browntop bent	L7 G1	Brio	Perennial ryegrass	S1 L1
Applaud	Perennial ryegrass	L1	Broadway	Smooth-stalked meadow-grass	S2 L2
Arelta	Browntop bent	L7 G1	Bueno (18th G)	Creeping bent	L7 G1
Arrowtown	Browntop bent	L7 G1	Busoni 1	Perennial ryegrass	S1 L1
Augustus (LA)	Perennial ryegrass	S1 L1	Cabarette	Strong creeping red fescue	L5
Avalon	Velvet bent	L7 G1	Cachemire	Perennial ryegrass	S1 L1
Banbury	Perennial ryegrass	S1 L1	Cadix	Perennial ryegrass	S1 L1
Barbirdie	Chewings fescue	L3 G2	Caldris	Chewings fescue	G2
Barborka	Chewings fescue	G2	Caldris (LA)	Chewings fescue	L3
Barcampsia	Tufted hair-grass	S4 L9	Calliope	Chewings fescue	L3 G2
Barcedes	Perennial ryegrass	S1 L1	Camilla	Strong creeping red fescue	L5
Barcesar	Tall fescue	S3 L8	Candela	Tufted hair-grass	L9
Barcistalla (LA)	Perennial ryegrass	S1 L1	Cannavaro	Tall fescue	S3 L8
Barcrown	Slender creeping red fescue	L4 G3	Capri	Perennial ryegrass	S1 L1
Barlorado	Perennial ryegrass	S1	Capriccio	Chewings fescue	L3 G2
Bareine	Perennial ryegrass	L1	Carioca	Chewings fescue	L3 G2
Bareuro	Perennial ryegrass	S1 L1	Carmania	Slender creeping red fescue	L4
Bargold	Perennial ryegrass	S1 L1 G4	Carmaniole	Strong creeping red fescue	L5
Bargreen	Chewings fescue	L3 G2	Carnac	Perennial ryegrass	S1 L1
Bargreen II	Chewings fescue	L3 G2	Carousel	Slender creeping red fescue	L4 G3
Barhelene	Smooth-stalked meadow-grass	S2 L2	Cassiopaia	Perennial ryegrass	S1 L1
Barillion	Perennial ryegrass	S1	Cathrine (LA)	Slender creeping red fescue	L4
Bariris	Smooth-stalked meadow-grass	S2 L2	Cerete Centurion	Perennial ryegrass	S1 L1
BarKing	Browntop bent	L7 G1	Cezanne	Slender creeping red fescue	L4 G3
Barkoel	Crested hair grass	M	Chardin	Perennial ryegrass	S1 L1 G4
Barlennium	Perennial ryegrass	S1 L1	Charme	Chewings fescue	L3 G2
Barleroy	Tall fescue	L8	Chopin	Strong creeping red fescue	L5
Barlexas II	Tall fescue	S3 L8	Clemens	Strong creeping red fescue	L5
Barlineus	Chewings fescue	L3 G2	Clementine (LA)	Perennial ryegrass	S1 L1 G4
Barmalia	Slender creeping red fescue	L4 G3	Cleopatra	Perennial ryegrass	S1 L1
Barminton	Perennial ryegrass	S1 L1	Cobra nova	Creeping bent	G1
Barok	Fine-leaved sheep's fescue	L6	Cochise	Tall fescue	S3 L8
Barorando	Perennial ryegrass	S1 L1	Cocktail	Smooth-stalked meadow-grass	S2 L2
Barpearl	Slender creeping red fescue	L4 G3	Colonia (LA)	Smooth-stalked meadow-grass	S2 L2
Barprince	Slender creeping red fescue	L4 G3	Columbine	Perennial ryegrass	S1 L1
Barrocky	Perennial ryegrass	S1 L1	Concerto	Perennial ryegrass	S1 L1
Barsandra	Perennial ryegrass	L1	Conni	Smooth-stalked meadow-grass	S2 L2
Barsignum	Perennial ryegrass	S1 L1	Conrad 1	Perennial ryegrass	S1 L1
Barswing	Chewings fescue	L3 G2	Corail	Strong creeping red fescue	L5
Barwingo	Perennial ryegrass	L1	Cordus (LA)	Perennial ryegrass	S1 L1
Barustic	Strong creeping red fescue	L5	Corrida	Slender creeping red fescue	L4 G3
Barxera (LA)	Tufted hair-grass	S4 L9	Corsaire	Slender creeping red fescue	L4 G3
Beagle 1	Tall fescue	S3 L8	Crystal	Hard fescue	L6
Belleaire	Chewings fescue	L3 G2	CY2	Creeping bent	G1
Bellini 1	Perennial ryegrass	S1 L1	Cynthia	Smooth-stalked meadow-grass	L2
			Cyrena	Perennial ryegrass	S1 L1 G4

Debussy 1	Tall fescue	S3 L8	Jasperina	Strong creeping red fescue	L5
Denso	Browntop bent	L7 G1	Javelin	Slender creeping red fescue	L4 G3
Dickens 1	Perennial ryegrass	S1 L1 G4	Joanna	Chewings fescue	L3 G2
Dipper (LA)	Strong creeping red fescue	L5	Joker	Smooth-stalked meadow-grass	S2 L2
Disco	Perennial ryegrass	S1 L1	Jorvik	Browntop bent	L7 G1
Divyna	Tall fescue	L8	Jubilee EG	Perennial ryegrass	S1 L1
Doremi	Perennial ryegrass	S1 L1	Julia	Smooth-stalked meadow-grass	S2 L2
Dorianna	Chewings fescue	L3 G2	Julius	Smooth-stalked meadow-grass	S2 L2
Double	Perennial ryegrass	S1s	Kaitos (LA)	Smooth-stalked meadow-grass	S2 L2
Dumas 1	Hard fescue	L6	Kaimia (LA)	Perennial ryegrass	S1 L1
Duparc (LA)	Perennial ryegrass	S1 L1	Katarina (LA)	Chewings fescue	L3
Dylan	Perennial ryegrass	L1	Kokomo	Perennial ryegrass	S1 L1
Egmont	Browntop bent	L7 G1	Korfu (LA)	Perennial ryegrass	S1 L1
Egmontwo	Browntop bent	L7 G1	Lambada	Strong creeping red fescue	L5
Enesco (LA)	Perennial ryegrass	S1 L1	Lance	Browntop bent	L7 G1
Escapade	Perennial ryegrass	S1 L1	Libano	Slender creeping red fescue	L4 G3
Esquire	Perennial ryegrass	S1 L1	Libeauty (LA)	Slender creeping red fescue	L4 G3
Essence	Perennial ryegrass	S1 L1	Libero	Perennial ryegrass	S1 L1
Eterlou	Perennial ryegrass	L1	Libronco	Perennial ryegrass	L1
Eugenius	Perennial ryegrass	S1 L1	Lichampion	Chewings fescue	L3 G2
Eurocrown	Chewings fescue	L3 G2	Lifalla	Chewings fescue	G2
Eurodiamond	Perennial ryegrass	S1 L1	Lifrance	Perennial ryegrass	S1 L1
EuroMarie (LA)	Slender creeping red fescue	L4	Ligala	Perennial ryegrass	S1 L1
Euromaster (LA)	Slender creeping red fescue	L4	Limerick	Smooth-stalked meadow-grass	S2 L2
Evita	Perennial ryegrass	L1	Limonica	Perennial ryegrass	S1 L1
Evora	Smooth-stalked meadow-grass	S2 L2	Limousine	Smooth-stalked meadow-grass	S2 L2
Excellence	Chewings fescue	L3 G2	Linares	Smooth-stalked meadow-grass	S2 L2
Fandango	Perennial ryegrass	S1 L1	Lincolnshire	Smooth-stalked meadow-grass	S2 L2
Famiente (LA)	Perennial ryegrass	L1	Liromeo	Perennial ryegrass	S1 L1
Fashion	Strong creeping red fescue	L5	Liroyal	Chewings fescue	L3 G2
Felix	Strong creeping red fescue	L5	Lisamba	Strong creeping red fescue	L5
Finesto	Slender creeping red fescue	L4 G3	Litango	Strong creeping red fescue	L5
Flamenco	Perennial ryegrass	S1 L1	Livision	Strong creeping red fescue	L5
Florasol	Chewings fescue	L3 G2	Livista	Chewings fescue	L3 G2
Florianne (LA)	Perennial ryegrass	S1 L1	Lourega	Perennial ryegrass	S1 L1
Forever	Perennial ryegrass	L1	Lucinda	Chewings fescue	L3 G2
Franklin	Strong creeping red fescue	L5	Lucius	Perennial ryegrass	S1 L1
Frontliner	Perennial ryegrass	L1	Luisa	Chewings fescue	L3 G2
Funk	Perennial ryegrass	S1 L1	Mackenzie	Creeping bent	G1
Galina	Browntop bent	G1	Madrid	Perennial ryegrass	S1 L1
Gallius (LA)	Perennial ryegrass	S1	Malibu	Perennial ryegrass	L1
Grande II	Tall fescue	S3	Manetto	Hard fescue	L6
Greenbrooks	Tall fescue	S3 L8	Manor	Browntop bent	L7 G1
Greendwarf	Tall fescue	S3 L8	Margaria	Perennial ryegrass	S1 L1
Greenfair	Perennial ryegrass	S1 L1 G4	Margret	Chewings fescue	G2
Greenglide	Perennial ryegrass	S1 L1	Maritza	Chewings fescue	L3 G2
Greenmile	Chewings fescue	L3	Masterpiece	Tall fescue	S3 L8
Greenmile (LA)	Chewings fescue	G2	Maxima 1	Strong creeping red fescue	L5
Greenplay	Smooth-stalked meadow-grass	S2 L2	Mazurka	Strong creeping red fescue	L5
Greenscoop (LA)	Chewings fescue	L3 G2	Meandre	Tall fescue	L8
Greensky	Perennial ryegrass	S1 L1	Melbourne	Perennial ryegrass	S1 L1
Greensleeves	Chewings fescue	L3 G2	Mellori (LA)	Strong creeping red fescue	L5
Greenspeed	Browntop bent	L7 G1	Melyane (LA)	Tall fescue	S3 L8
Greentime (LA)	Browntop bent	L7 G1	Mentor	Hard fescue	L6
Greenvie	Strong creeping red fescue	L5	Menuet (LA)	Perennial ryegrass	L1
Greenway	Perennial ryegrass	S1 L1 G4	Mercitwo	Perennial ryegrass	S1 L1 G4
Hardtop	Hard fescue	L6	Mezzoforte (LA)	Slender creeping red fescue	L4 G3
Hamonie	Smooth-stalked meadow-grass	S2 L2	Milan	Perennial ryegrass	S1 L1
Heidrun	Strong creeping red fescue	L5	Miracle	Smooth-stalked meadow-grass	S2 L2
Helena	Slender creeping red fescue	L4 G3	Mission	Chewings fescue	L3 G2
Herald	Strong creeping red fescue	L5	Mocassin	Slender creeping red fescue	L4 G3
Heriot	Browntop bent	L7 G1	Mondial	Perennial ryegrass	S1 L1
Highland	Highland bent	L7	Monroe (LA)	Perennial ryegrass	S1 L1 G4
Hightower	Strong creeping red fescue	L5	Montjeu (LA)	Slender creeping red fescue	L4 G3
Himalaya	Perennial ryegrass	S1 L1	Monuela	Chewings fescue	L3 G2
Hugo 1	Perennial ryegrass	S1	Mozart 1	Smooth-stalked meadow-grass	S2 L2
Humboldt	Chewings fescue	L3 G2	Musette	Slender creeping red fescue	L4 G3
Independence 1	Creeping bent	G1	Musica	Chewings fescue	L3 G2
Isolde (LA)	Slender creeping red fescue	L4 G3	Mystic	Strong creeping red fescue	L5

Nagano (LA)	Perennial ryegrass	S1 L1	Scorpiones	Tall fescue	S3
Natasha	Perennial ryegrass	L1 G4	Sefton	Browntop bent	L7 G1
Neruda 1	Perennial ryegrass	S1 L1	Sergei	Strong creeping red fescue	L5
Niccolo (LA)	Smooth-stalked meadow-grass	S2	Shorty	Perennial ryegrass	S1 L1
Nicole (LA)	Slender creeping red fescue	L4 G3	Sirtaky	Perennial ryegrass	S1 L1
Nikky	Chewings fescue	L3 G2	Smirma	Slender creeping red fescue	L4 G3
Nordic	Hard fescue	L6	Solo	Rough stalked meadow-grass	M
Olivia	Chewings fescue	L3 G2	Sombrero	Smooth-stalked meadow-grass	S2 L2
OO7 DSB	Creeping bent	G1	SR 1119	Creeping bent	G1
Orient (LA)	Browntop bent	L7	Starlett	Tall fescue	L8
Paganini 1 (LA)	Slender creeping red fescue	L4	Stolawn	Perennial ryegrass	S1 L1
Panduro	Smooth-stalked meadow-grass	S2 L2	Stravinsky	Perennial ryegrass	S1 L1
Parsifal	Smooth-stalked meadow-grass	S2 L2	Supra (LA)	Prostrate meadow-grass	M
Passion	Perennial ryegrass	L1	Susana	Tall fescue	S3 L8
Penn A-1	Creeping bent	L7 G1	Swing	Strong creeping red fescue	L5
Penn A-4	Creeping bent	L7 G1	Taya	Perennial ryegrass	L1
Penn G-6	Creeping bent	G1	Tetragreen	Perennial ryegrass	S1s
Piccolo	Timothy	M	Tiger Nova	Browntop bent	L7 G1
Pinafore	Slender creeping red fescue	L4	Toldo (LA)	Perennial ryegrass	S1 L1
Platinum	Perennial ryegrass	S1 L1	Tophat 2	Perennial ryegrass	L1
Polana	Browntop bent	G1	Traffic	Perennial ryegrass	S1 L1
Polka	Strong creeping red fescue	L5	Trakaj	Tufted hair-grass	S4 L9
Ponderosa	Perennial ryegrass	S1 L1	Transate	Perennial ryegrass	S1 L1
Pontiac	Perennial ryegrass	L1	Trophy	Chewings fescue	L3 G2
Poseidon	Perennial ryegrass	S1 L1	Troville	Chewings fescue	L3 G2
Powerball (LA)	Smooth-stalked meadow-grass	S2 L2	Troy	Browntop bent	L7 G1
Promotor (LA)	Perennial ryegrass	S1 L1	Turfgold	Perennial ryegrass	S1 L1
Quatro	Sheep's fescue	L6	Turner 1	Slender creeping red fescue	L4 G3
Ragtime	Perennial ryegrass	S1 L1	Tyee	Creeping bent	G1
Raisa	Chewings fescue	L3 G2	Valdora	Slender creeping red fescue	L4 G3
Raymond	Chewings fescue	L3 G2	Venice	Perennial ryegrass	L1
Recital	Perennial ryegrass	S1 L1	Verdi	Perennial ryegrass	S1 L1
Regane (LA)	Perennial ryegrass	L1	Vesper	Velvet bent	G1
Reggae	Slender creeping red fescue	L4 G3	Vesuvius	Perennial ryegrass	S1 L1
Relevant	Strong creeping red fescue	L5	Vienna	Perennial ryegrass	S1 L1
Reliant II	Hard fescue	L6	Viktorka	Slender creeping red fescue	L4 G3
Ritmo (LA)	Perennial ryegrass	S1 L1	Villa 1	Velvet bent	L7 G1
Romance	Perennial ryegrass	S1	Villa 2	Velvet bent	G1
Rossinante	Strong creeping red fescue	L5	Vitek	Browntop bent	G1
Rumba (LA)	Strong creeping red fescue	L5	Vitellius	Perennial ryegrass	S1 L1
Runner	Creeping bent	L7 G1	Wagner 1	Chewings fescue	L3 G2
Ryder	Strong creeping red fescue	L5	Waldorf	Chewings fescue	G2
Sabrene 1	Rough stalked meadow-grass	M	Yvette	Smooth-stalked meadow-grass	S2 L2
Salsa (LA)	Strong creeping red fescue	L5	Zeptor	Smooth-stalked meadow-grass	S2 L2
Samanta	Slender creeping red fescue	L4 G3	Zuzana (LA)	Tall fescue	S3
Sanremo	Perennial ryegrass	S1 L1			

Agents

The seed merchants listed below are primary agents for grasses listed in this booklet. Short codes have been given so that the grasses listed in the different tables can be cross-referenced with their suppliers.

BAR Barenbrug UK Ltd.

33 Perkins Road, Rougham Industrial Estate, Bury St. Edmunds, Suffolk IP30 9ND
Tel 01359 272000, Fax 01359 272001
E-mail info@baruk.co.uk www.barenbrug.co.uk

BSH British Seed Houses Ltd.

Camp Road, Witham St. Hughs
Lincoln LN6 9QJ
Tel 01522 868714 Fax 01522 868382
E-mail seeds@bshlincoln.co.uk
www.britishseedhouses.com

CARN Carneau S.A.

21 zac Carrière Dorée BP 20008
59358 Orchies Cedex France
Tel 0033 320718305, Fax 0033 320616646
E-mail: carneau@carneau.com
www.carneau.fr

DLF/JNS DLF –Trifolium Ltd/Johnsons Sports Seed

Thorn Farm, Inkberrow
Worcestershire WR7 4LJ
Tel 01386 793135 Fax 01386 792715
E-mail amenity@dlf.co.uk
www.dlf.co.uk

EG Euro Grass Breeding GmbH & Co. KG

Weissenberger Strasse 5
59557 Lippstadt,
Germany
Tel 0049 2941296307 Fax 0049 2941296100
E-mail info@eurograss.com www.eurograss.com
UK Contact No. 01366 388223

Names and addresses of other breeders and suppliers, with only a restricted number of varieties in the booklet, are available from the BSPB.

LMG Limagrain UK Ltd

Rothwell, Market Rasen, Lincolnshire, LN7 6DT
Tel 01472 371471, Fax 01472 371386
E-mail amenity@limagrain.co.uk
www.limagrain.co.uk/amenity

RT Rigby Taylor Ltd.

Rigby Taylor House, Crown Lane, Horwich,
Bolton, Lancashire BL6 5HP
Tel 01204 677717 Fax 01204 677715

SEED Seedsource (UK) Ltd

12 Forbes Court, Middlefield Industrial Estate
Falkirk, Scotland. FK2 9HQ
Tel: 01324 617730 Fax: 01324 630399
Mobile: 07702 737017
E-mail: billy@seedsourceuk.co.uk

SUT Suttons Consumer Products Ltd.

Woodview Road, Paignton
Devon TQ4 7NG
Tel 01803 696300
E-mail retail@suttons.co.uk

TG Top Green SAS

ZA Les Pains, 49320 Les Alleuds, France
Tel 0033 241 689900
Fax 0033 241 689901
info@tgsas.fr

Contact Details

British Society of Plant Breeders Limited (BSPB)

Woolpack Chambers
Market Street
Ely, Cambridgeshire
CB7 4ND

Tel 01353 653200

Fax 01353 661156

E-mail enquiries@bspb.co.uk

www.bspb.co.uk



Sports Turf Research Institute (STRI)

Bingley, West Yorkshire
BD16 1AU

Tel 01274 565131

Fax 01274 561891

E-mail info@stri.co.uk

www.stri.co.uk

