

Turfgrass Seed 2020

The buyers guide to
quality amenity turfgrasses



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The BSPB Amenity Committee and the Turfgrass Seed Trials

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 (Lawns 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 Turfgrass trials are conducted in Bingley, West Yorkshire.

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.

Guide to using Turfgrass Seed 2020

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 2020 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 2020 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, colour and other factors which could influence appearance such as cleanness of cut.

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.

CLEANNES OF CUTTING

Each variety is scored for cleanness of cutting.

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.

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 – 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, Table S2 (page 8). 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 - 20 cm) 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	Fitness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Barzico (LA)	8.2	8.2	8.2	7.6	8.1	7.5	4.3	5.4	5.6	BAR
Barbasten (LA)	8.0	8.0	8.0	7.6	7.5	6.5	5.8	5.0	5.4	BAR
Europitch	7.9	8.0	8.0	7.5	8.0	7.7	4.1	5.3	5.1	DSV
Eurobeat	8.0	7.9	7.9	7.1	7.7	6.9	5.5	5.4	5.4	DSV
Eurodiamond	8.0	7.9	7.9	7.1	7.6	6.5	4.0	5.3	5.4	DLF/JNS
Gildara	7.7	7.8	7.8	6.9	7.7	7.8	4.6	5.4	6.5	DLF/JNS
EuroCordus	7.8	7.7	7.8	7.5	7.6	6.8	-	5.4	5.4	DSV
Monroe	7.7	7.8	7.7	7.6	7.5	7.9	6.3	5.8	6.0	DLF/JNS
Eurosport	7.6	7.7	7.7	7.8	7.5	7.0	-	5.7	5.7	DSV
Barcristalla	7.7	7.5	7.6	7.0	7.1	6.9	6.0	6.2	7.2	BAR
Cameron	7.5	7.7	7.6	7.8	7.5	7.8	4.3	5.6	5.8	TG
Baradona	7.6	7.5	7.6	7.5	7.4	7.0	3.8	5.3	6.0	BAR
Barlicum	7.4	7.6	7.5	6.5	7.7	7.6	3.6	5.5	5.0	BAR
Baromario	7.4	7.5	7.5	6.9	7.6	7.3	5.2	5.6	6.1	BAR
Barorlando	7.5	7.4	7.5	6.8	7.4	6.7	6.3	5.5	7.3	BAR
Columbine	7.5	7.4	7.4	7.2	6.9	6.0	5.3	6.2	5.7	DLF/JNS/TG
Anney	7.4	7.4	7.4	7.1	6.8	6.7	4.1	5.7	5.3	LMG
Angelina	7.4	7.4	7.4	7.7	7.6	6.9	6.1	5.1	5.7	RT/TG
Chloe (LA)	7.2	7.5	7.3	7.2	7.2	7.5	5.5	5.6	5.5	DLF
Cyrena	7.4	7.2	7.3	7.2	6.9	6.2	5.9	5.1	5.8	LMG
Berlioz 1	7.3	7.3	7.3	6.8	7.2	6.1	5.5	5.8	5.4	DLF/TG
Poseidon	7.4	7.1	7.3	7.0	7.0	6.1	5.4	5.1	5.1	RT/TG
Gladys	7.2	7.2	7.2	7.5	7.1	7.2	5.5	5.2	5.2	LMG
Chardin	7.1	7.3	7.2	6.6	7.3	7.5	6.0	5.2	5.1	DLF/JNS
Eugenius	7.3	7.1	7.2	6.6	7.4	6.6	4.6	5.3	5.2	G
Nagano	7.2	7.2	7.2	7.1	6.9	6.1	5.4	4.9	5.1	LMG
Carnac	7.0	7.3	7.2	7.4	6.8	6.6	6.5	6.0	5.8	G/SMFR
Melbourne	7.1	7.2	7.2	6.6	7.3	7.0	6.8	5.5	5.5	LMG
Estelle	7.0	7.3	7.2	7.7	7.3	7.4	6.1	5.7	5.0	RT/TG
Aniston	7.2	7.2	7.2	7.6	7.0	7.7	4.2	5.7	6.0	DLF/JNS
EG Resistus	7.1	7.2	7.2	6.8	7.1	7.5	5.5	5.8	5.8	DSV
Calico	7.1	7.2	7.2	7.8	6.9	6.9	-	5.5	6.4	G/SMFR
Eventus	7.1	7.2	7.1	7.5	7.5	8.0	5.5	5.5	5.7	DSV/BAR
Vesuvius	7.0	7.3	7.1	7.2	7.0	6.3	6.0	5.1	5.5	G
Cadix	7.0	7.2	7.1	7.3	6.8	6.8	5.4	5.8	5.9	G/SMFR
Eurocool	7.0	7.2	7.1	6.6	7.3	7.0	5.2	4.9	6.3	DSV
Bizet 1	7.1	7.1	7.1	7.4	6.0	5.7	6.5	5.7	6.1	DLF/JNS
Barolympic	7.0	7.1	7.1	7.2	7.1	7.2	-	4.3	5.0	BAR
Vitellius	7.1	7.1	7.1	7.2	6.6	5.9	6.3	5.9	6.1	G
Gianna	7.0	7.1	7.1	7.4	7.0	6.9	5.5	5.1	5.5	RT/TG
Lupita (LA)	7.0	7.1	7.1	7.0	7.1	7.7	5.0	5.5	5.4	DLF
Himalaya	7.1	7.0	7.0	7.4	6.9	6.3	4.2	5.7	5.9	DLF/LMG
Nerine (LA)	7.0	7.1	7.0	7.0	7.2	7.0	4.2	5.2	6.1	DLF
Etienna (LA)	6.9	7.1	7.0	6.9	7.3	7.4	6.1	5.1	5.8	DLF
Alison	7.0	7.0	7.0	7.1	7.2	7.8	-	5.5	5.8	LMG
Duparc	6.8	7.1	7.0	7.1	6.6	6.6	7.0	5.0	5.2	RT/TG
Beckham	7.0	6.9	7.0	6.9	6.5	6.3	-	5.4	4.9	DSV
Cleopatra	7.0	6.8	6.9	7.3	6.6	5.9	6.7	4.9	5.3	G
Claudine	6.9	6.9	6.9	6.5	7.0	6.9	-	5.5	6.2	DLF
Bareuro	6.8	6.9	6.9	7.3	6.6	6.3	5.4	5.3	5.6	BAR
Gwynett (LA)	6.8	6.9	6.8	7.4	7.0	7.7	5.7	5.3	5.6	DLF
Penelope	6.8	6.8	6.8	7.1	7.4	7.7	4.4	5.3	5.3	DLF
Dickens 1	6.7	6.9	6.8	6.8	7.8	7.2	5.9	5.2	5.4	DLF/JNS
Promotor	6.8	6.8	6.8	7.4	6.7	6.3	5.4	5.1	5.8	G/SMFR
Barsignum	6.8	6.8	6.8	6.5	7.2	7.6	5.7	5.3	6.3	BAR
Hayley	6.7	6.8	6.7	6.9	6.6	6.7	-	5.7	6.1	RT/TG

Table S1 Continued

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fitness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Meara (LA)	6.8	6.7	6.7	6.6	6.8	7.0	6.0	5.2	5.6	DLF
Bellini 1	6.7	6.7	6.7	6.1	6.2	5.8	5.2	5.6	5.5	DLF
Shazam	6.6	6.8	6.7	7.4	7.6	7.3	6.0	5.4	5.7	BAR
Singapore	6.7	6.7	6.7	7.1	6.9	7.5	7.0	5.6	5.2	LMG
Mercitwo	6.7	6.6	6.6	6.7	6.1	6.5	5.9	5.2	5.2	RT/TG
Greensky	6.6	6.6	6.6	6.7	6.6	6.1	5.9	5.5	5.2	RT/TG
Alboka	6.6	6.6	6.6	6.4	6.9	6.6	7.0	6.6	6.6	BAR
Vertech	6.6	6.6	6.6	6.2	6.2	6.9	4.9	5.7	6.4	G
Clementine	6.5	6.5	6.5	7.1	6.9	7.2	5.8	5.3	5.4	DLF/JNS/TG
Bargold	6.4	6.6	6.5	6.8	7.0	7.8	6.1	5.5	5.4	BAR
Zurich	6.6	6.4	6.5	5.5	6.3	5.5	5.3	5.9	5.5	G
Barillion	6.5	6.3	6.4	6.1	6.7	5.6	6.4	5.7	6.3	BAR
Concerto (LA)	6.3	6.5	6.4	7.0	5.9	5.1	6.0	6.1	5.9	RGT
Greenway	6.4	6.4	6.4	6.0	6.4	7.0	6.1	6.3	5.8	SUT/TG
RGT Klaxon	6.4	6.4	6.4	6.4	6.5	6.6	6.7	5.7	5.9	RGT
Fandango	6.4	6.3	6.3	6.5	6.1	5.6	6.0	6.1	6.1	BAR
Greenglide	6.4	6.2	6.3	6.1	6.0	5.6	5.0	5.4	5.1	DLF
Transate	6.4	6.2	6.3	5.9	6.3	5.7	7.0	6.0	6.1	DSV
Ceretec Centurion	6.3	6.2	6.3	5.6	6.0	5.7	5.1	7.3	7.1	PGW
Flamenco	6.3	6.2	6.2	5.8	6.3	6.4	5.4	5.9	5.9	BAR
Stolawn	6.1	6.3	6.2	5.7	6.2	5.9	6.2	6.3	6.1	RT/TG
Escapade	6.1	6.4	6.2	6.7	6.4	7.7	4.7	6.0	5.5	G/SMFR
Barlennium	6.3	6.1	6.2	5.3	5.9	5.3	5.9	7.9	7.8	BAR
Ponderosa	6.3	6.0	6.2	5.8	6.2	5.5	5.3	6.7	6.0	LMG
Zenia (LA)	6.1	6.2	6.2	6.2	6.3	6.5	-	5.1	5.6	DLF
Bardorado	6.3	6.0	6.2	5.8	6.0	5.1	6.8	5.1	5.5	BAR
Essence	6.3	6.0	6.1	5.2	6.5	6.2	4.8	6.4	5.8	DLF
Galleon	6.2	6.1	6.1	4.5	5.8	5.3	6.9	8.3	8.2	G
Barprrium	6.1	6.1	6.1	6.9	6.7	7.1	6.1	5.0	7.1	BAR
Platinum	6.4	5.8	6.1	5.6	5.3	4.7	6.0	7.2	6.4	DLF
Mistral	5.9	6.1	6.0	5.3	5.5	5.5	6.7	8.2	8.0	ICL
Alyssa (LA)	6.0	6.0	6.0	6.3	6.6	7.1	5.5	5.6	5.5	DLF
Transpose	5.9	6.0	6.0	5.4	6.3	6.7	6.4	5.6	7.3	ICL
Sirtaky	6.0	5.9	5.9	6.3	6.4	6.4	6.3	5.9	5.5	BAR
Stravinsky	6.2	5.7	5.9	5.4	5.6	4.8	6.6	8.4	8.1	DLF
Agreement	5.9	6.0	5.9	5.4	6.2	5.6	5.5	6.3	6.2	G
Antonella	6.1	5.8	5.9	6.4	5.9	6.6	-	5.7	6.3	DLF
Pascal	5.9	5.9	5.9	5.7	6.1	5.6	6.3	6.3	6.4	DSV
Jubilee EG	5.9	5.8	5.9	5.8	5.8	5.5	5.5	6.2	6.5	DSV
Limonica	5.9	5.6	5.7	5.5	5.3	5.0	6.4	7.4	7.4	DSV
Esquire	5.9	5.5	5.7	5.3	5.3	4.9	6.1	6.9	7.0	DLF
Traffic	5.7	5.7	5.7	6.3	5.9	6.5	5.9	5.5	6.0	DSV
Fancy	5.9	5.5	5.7	4.6	5.2	5.3	6.0	6.6	5.7	FF
Turfgold	5.7	5.6	5.7	6.0	5.5	5.2	6.3	6.9	6.9	DSV
Kokomo	5.5	5.6	5.6	5.0	4.9	4.8	7.0	8.6	8.2	DLF/LMG
Neruda 1	5.7	5.3	5.5	5.1	4.8	5.0	6.7	8.6	8.0	DLF/TG
New Cultivars										
Torsion	7.3	7.1	7.2	6.6	7.1	6.5	5.8	7.8	8.6	ICL
Creepstar (LA)	6.9	6.9	6.9	6.9	6.6	7.2	6.1	6.6	7.4	DLF

LA = Limited availability

- = Data not available

Series S Sports Uses (Mown at 25mm)

Table S1s Tetraploid ryegrasses

Diploid perennial ryegrass cultivars have traditionally been used in sports turf mixtures. In like-for-like comparisons with tetraploid cultivars of perennial ryegrass, good diploid grasses will be more persistent, have greater wear tolerance and produce a more attractive sward than tetraploid grasses. Under cool conditions it would be expected that the major differences in germination and speed of establishment would be due to variety differences rather than ploidy differences. The ratings on Table S1s are directly comparable with those on Table S1.

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Fabian	6.6	6.2	6.4	6.7	5.6	5.4	6.1	6.5	6.8	DLF/JNS
Tetrastar	6.0	5.6	5.8	5.7	5.6	5.2	8.0	7.5	8.1	TG
Tetragame (LA)	5.8	5.5	5.6	5.5	4.9	4.7	7.3	6.8	7.4	DLF/JNS/TG
Tetramagic (LA)	5.4	5.3	5.3	5.2	4.6	4.4	6.8	7.0	7.1	LMG
Tetradry (LA)	5.6	5.0	5.3	5.0	4.1	4.3	7.4	7.6	7.8	DLF
Double	5.2	4.7	4.9	4.5	4.2	3.5	7.9	7.7	7.6	DLF
Tetragreen	5.1	4.7	4.9	4.5	5.0	4.5	7.3	7.5	7.6	RT/TG
Tetrasport	4.6	4.6	4.6	4.5	4.5	4.6	7.4	7.7	8.1	DSV

Table S2 Smooth-stalked meadow-grass (*Poa pratensis*)

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Traction	7.8	8.1	7.9	8.2	8.1	7.6	4.7	5.3	5.4	ICL
Becca (LA)	7.8	7.9	7.9	7.4	7.9	8.2	5.1	5.5	6.6	LMG
Rihanna (LA)	7.7	7.9	7.8	7.6	7.7	7.0	4.7	6.2	6.4	LMG
Julius	7.3	7.4	7.3	7.4	7.2	6.6	5.0	5.0	5.4	DLF
Harmonie	7.3	7.2	7.2	7.2	7.3	7.3	5.1	6.2	6.1	DLF/TG
Joker	7.1	7.3	7.2	7.2	7.4	7.7	6.0	6.0	6.1	DSV
Bariris	7.2	7.1	7.2	6.5	7.0	6.6	4.9	6.5	5.9	BAR
Greenplay	7.0	7.2	7.1	7.4	7.4	7.1	5.1	5.8	5.7	RT/TG
Sombrero	7.0	7.1	7.1	7.0	7.3	7.2	4.9	6.0	6.1	DLF
Limousine	7.0	7.2	7.1	7.4	8.0	7.3	4.7	6.3	5.5	DSV
Linares	7.1	7.0	7.0	6.5	7.5	7.6	5.2	5.4	6.2	DSV
Barhelene	7.1	7.0	7.0	7.4	7.3	7.4	5.1	5.2	5.7	BAR
Panduro	6.9	7.0	6.9	6.4	6.4	5.9	5.8	6.8	5.7	DLF
Lincolnshire	6.7	7.1	6.9	6.9	7.0	6.9	4.4	6.2	5.0	DSV
Tetris	6.7	7.0	6.8	7.1	7.1	7.6	6.6	8.0	7.4	G
Dakisha (LA)	6.7	6.9	6.8	6.9	6.3	5.5	5.7	5.8	5.7	DLF
PowerPlay	6.7	6.8	6.7	6.6	6.6	6.5	7.0	5.4	7.4	DSV
Enigma	6.5	6.6	6.5	6.2	6.4	6.2	6.8	7.8	6.8	ICL
Yvette	6.5	6.5	6.5	6.1	6.7	6.8	6.4	6.1	5.8	LMG
Aramintha (LA)	6.5	6.5	6.5	6.3	6.4	6.9	6.0	5.4	5.8	DLF
Cocktail	6.2	6.4	6.3	5.8	6.7	6.5	6.6	6.1	5.4	LMG
Borsala (LA)	6.2	6.4	6.3	6.3	6.2	6.8	6.4	6.5	5.6	DLF
Miracle	5.9	5.9	5.9	5.3	6.0	5.5	7.0	5.4	6.7	DLF
Conni	5.6	5.6	5.6	5.8	6.0	6.3	5.6	6.2	5.8	DLF
Markus	5.2	5.4	5.3	5.8	4.8	5.7	7.2	5.8	5.3	DSV
Zeptor	4.6	4.7	4.7	4.5	4.6	4.6	7.1	5.4	5.5	DSV
Evora	4.6	4.6	4.6	4.5	4.4	4.7	6.1	5.5	6.9	DLF

Table S2
 Continued

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
New Cultivars										ICL
Dauntless	5.6	5.5	5.6	5.6	5.4	4.9	-	7.4	6.8	DSV
Bluenote	4.9	5.0	4.9	5.0	5.3	5.1	-	5.8	7.0	DSV

LA = Limited availability

- = Data not available

Table S3
 Tall Fescue (*Festuca arundinacea*)

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Winter Greenness	Summer Greenness	UK Agent
Turfway (LA)	8.1	7.9	8.0	7.7	7.4	7.1	7.7	7.2	TG
Foxhound	7.6	7.7	7.6	7.4	7.2	7.5	7.8	7.1	DLF
Armani (LA)	7.0	7.5	7.2	7.5	6.5	7.6	4.7	3.8	RT/TG
Essential	7.2	7.2	7.2	6.5	7.1	7.2	6.7	6.6	TG
Justice	7.1	6.8	6.9	6.6	6.3	5.8	6.8	6.6	BAR
RGT Nuance	6.6	7.0	6.8	6.2	7.1	7.4	4.0	4.1	RGT
Barcesar	6.7	6.7	6.7	6.8	6.9	7.1	5.1	5.0	BAR
Debussy 1	6.6	6.7	6.7	6.4	6.5	6.2	6.8	6.9	DLF/JNS
Granditte	6.2	6.7	6.4	5.7	6.6	6.6	6.7	6.9	TG
Melyane	6.1	6.2	6.2	6.2	6.7	6.6	5.2	5.0	DSV
Grande II	6.2	6.0	6.1	5.4	6.2	6.0	6.7	6.7	RT/TG
Barlexas II	5.6	5.8	5.7	5.3	5.6	6.0	6.7	7.0	BAR
New Cultivars									
Regenerate	7.6	7.7	7.6	7.4	7.8	7.2	6.4	7.0	DSV

LA = Limited availability

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

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Trakaj	7.5	7.5	7.5	6.8	7.6	6.5	6.6	6.1	6.7	DSV
Barcampsia	6.4	6.6	6.5	6.3	6.8	7.4	4.7	6.1	5.0	BAR
Desanto	6.1	5.8	6.0	6.0	6.1	6.1	-	4.7	5.1	DSV
Deshade	5.7	5.6	5.6	5.5	5.3	5.4	-	4.8	4.9	DSV

- = Data not available

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 (page 17) 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	Cleanness of Cut	Winter Greenness	Summer Greenness	UK Agent
Cabrio	7.8	8.7	7.2	7.9	7.9	3.8	7.1	5.2	6.0	G/SMFR
Clementine	8.2	7.7	7.6	8.0	7.9	6.3	8.3	5.0	5.5	DLF/JNS/TG
Barolympic	8.1	8.2	7.2	8.0	7.9	5.6	7.4	4.5	5.2	BAR
Aniston	7.6	7.9	7.7	7.8	7.8	5.2	7.4	5.5	6.3	DLF/JNS
Barsignum	7.6	8.0	7.4	8.0	7.8	5.2	6.6	5.6	6.5	BAR
Angelina	7.6	7.3	8.5	7.5	7.7	6.0	7.8	5.1	5.6	RT/TG
Penelope	7.5	8.0	7.8	7.5	7.7	4.5	7.4	5.5	5.7	DLF
Baradona	7.8	7.4	7.6	7.8	7.7	4.6	7.4	5.2	6.1	BAR
Cameron	7.8	7.8	7.0	7.9	7.6	5.8	7.6	5.1	6.2	TG
Alison	7.8	7.7	6.9	7.9	7.6	6.6	7.1	5.5	5.8	LMG
Torsion	7.6	7.1	8.1	7.4	7.5	5.6	8.0	7.2	8.0	ICL
Escapade	7.7	8.1	6.4	7.6	7.5	6.1	6.3	5.8	6.0	G/SMFR
Chloe (LA)	7.8	7.7	6.3	7.9	7.5	6.4	6.3	5.0	5.5	DLF
Monroe	7.7	7.9	6.3	7.9	7.4	5.6	7.3	6.0	6.1	DLF/JNS
Estelle	7.9	7.8	5.9	8.1	7.4	5.9	5.6	4.9	4.5	RT/TG
Chardin	7.4	7.9	6.5	7.8	7.4	7.5	7.7	4.8	5.5	DLF/JNS
Bargold	7.4	8.0	6.5	7.5	7.4	6.5	6.9	5.6	5.7	BAR
Europitch	7.4	7.7	6.7	7.6	7.3	5.4	6.7	4.9	5.8	DSV
Eventus	7.7	8.2	5.5	7.9	7.3	6.6	7.1	5.4	6.0	DSV/BAR
Gianna	7.8	7.2	6.5	7.8	7.3	7.4	7.5	4.8	5.6	RT/TG
Baromario	7.3	7.3	7.2	7.4	7.3	4.5	5.5	5.1	5.8	BAR
Zenia (LA)	7.7	7.1	6.5	7.7	7.3	5.3	6.8	5.0	5.4	DLF
Claudine	7.3	7.3	7.2	7.3	7.3	4.8	6.2	5.3	5.8	DLF
EG Resistus	7.6	7.4	6.7	7.3	7.3	4.6	6.5	5.7	6.3	DSV
Dickens 1	7.6	7.5	6.2	7.7	7.2	6.4	5.5	5.7	5.6	DLF/JNS
Biarritz	7.4	7.2	6.7	7.4	7.2	6.5	6.7	5.8	6.5	LMG
Nerine (LA)	7.6	7.3	6.0	7.7	7.1	5.7	6.7	5.2	6.1	DLF
Antonella	7.4	7.4	6.3	7.4	7.1	5.8	6.6	5.5	6.0	DLF
RGT Klaxon	7.8	6.9	6.0	7.6	7.1	8.3	6.8	5.6	5.7	RGT
Duparc	7.5	7.1	5.9	7.6	7.0	8.4	6.7	5.2	5.2	RT/TG
Malibu	7.1	7.6	6.3	7.1	7.0	4.7	6.2	5.1	6.1	LMG
Venice	7.2	7.0	6.7	6.9	7.0	7.9	6.7	4.7	5.5	LMG
Carnac	7.7	7.0	6.1	7.0	7.0	6.5	5.8	6.0	5.9	G/SMFR
Barcristalla	7.5	6.6	6.3	7.3	6.9	5.7	5.9	6.2	6.7	BAR
Dylan	6.6	7.1	7.0	7.0	6.9	7.4	7.1	5.7	6.1	DLF/TG
Hayley	7.0	7.0	6.5	7.1	6.9	5.1	5.9	5.3	6.2	RT/TG
Gladys	7.3	7.0	5.6	7.6	6.9	5.8	6.3	4.7	5.6	LMG
Annecy	6.9	6.6	7.0	6.8	6.8	6.1	6.5	5.0	5.4	LMG
Groundforce	7.1	7.2	5.9	7.1	6.8	6.1	7.4	4.9	6.4	ICL
Melbourne	7.2	7.1	6.1	7.0	6.8	5.6	7.0	4.9	5.9	LMG
Mercitwo	6.6	6.8	7.0	6.7	6.8	6.7	8.2	4.8	5.4	RT/TG
Alyssa (LA)	7.3	7.2	5.4	7.2	6.8	5.6	8.0	5.0	5.4	DLF
EuroCordus	7.1	6.6	6.3	7.1	6.8	6.7	6.3	5.8	5.8	DSV
Poseidon	6.8	6.6	6.5	6.8	6.7	5.1	6.2	4.8	5.2	RT/TG
Himalaya	6.9	6.7	6.1	7.0	6.7	4.8	7.1	5.3	6.2	DLF/LMG
Calico	7.1	7.0	5.5	7.1	6.7	4.9	5.6	5.7	6.3	G/SMFR

Table L1
Continued

Cultivar	Shoot Density	Fineness of Leaf	Slow Regrowth	Visual Merit	Mean	Resistance to Red Thread	Cleanness of Cut	Winter Greenness	Summer Greenness	UK Agent
Nagano	6.6	6.8	6.3	6.8	6.6	5.8	7.0	4.8	5.1	LMG
Vesuvius	7.2	6.7	5.4	7.2	6.6	6.4	6.9	5.2	5.4	G
Bareuro	6.6	6.9	6.4	6.5	6.6	5.9	7.1	5.0	5.6	BAR
Eurosport	7.3	6.6	5.3	7.1	6.6	5.9	5.1	5.3	5.8	DSV
Cyrena	6.6	6.4	6.5	6.9	6.6	5.1	6.7	5.3	5.5	LMG
Beckham	6.8	6.4	6.1	7.1	6.6	7.1	4.9	5.4	5.0	DSV
Traffic	6.8	6.6	6.4	6.7	6.6	5.8	6.1	5.6	6.1	DSV
Flamenco	7.2	6.5	5.7	6.9	6.6	6.0	6.8	5.6	5.6	BAR
Margarita (LA)	6.6	7.0	5.7	6.9	6.6	5.2	5.6	5.8	5.5	DLF
Eurodiamond	6.5	6.7	6.4	6.6	6.5	5.0	4.2	5.7	5.7	DLF/JNS
Barlicum	6.8	7.2	5.2	6.9	6.5	6.2	5.3	5.5	5.7	BAR
Greenway	6.6	6.9	5.9	6.6	6.5	5.9	5.9	5.8	5.9	SUT/TG
Cleopatra	6.5	6.2	6.7	6.6	6.5	5.9	6.2	5.0	5.6	G
Promotor	6.4	6.5	6.6	6.5	6.5	6.3	6.1	4.9	5.7	G/SMFR
Alboka	6.8	6.2	6.3	6.6	6.5	6.8	6.8	6.6	6.3	BAR
Sirtaky	7.2	6.4	5.5	6.7	6.5	7.1	6.4	5.6	5.3	BAR
Barorlando	6.7	6.4	5.8	6.8	6.4	5.8	6.8	5.7	6.4	BAR
Cadix	6.4	6.9	6.1	6.2	6.4	5.5	5.5	5.9	5.5	G/SMFR
Greensky	6.3	6.3	6.7	6.0	6.3	6.0	6.1	5.3	4.9	RT/TG
Bellevue	6.6	6.4	5.9	6.3	6.3	6.3	6.5	5.6	5.2	FF
Vulcanus	6.2	5.9	7.1	6.1	6.3	5.8	5.5	6.7	6.4	DSV
Berlioz 1	6.5	6.2	6.1	6.4	6.3	5.5	4.8	5.7	5.5	DLF/TG
Fandango	6.8	5.9	5.9	6.5	6.3	6.6	6.9	6.2	5.4	BAR
Pascal	6.3	5.8	6.6	6.1	6.2	7.6	6.0	6.5	6.6	DSV
Vitellius	6.3	5.7	6.4	6.4	6.2	6.2	5.5	5.8	6.1	G
Eugenius	6.7	6.3	4.8	6.8	6.2	5.6	6.1	5.4	5.7	G
Barminton	5.8	6.0	6.5	6.0	6.1	5.3	6.5	5.1	6.0	BAR
Transate	6.1	5.7	5.9	6.2	6.0	7.0	6.2	6.1	6.0	DSV
Bizet 1	6.0	5.8	5.4	6.4	5.9	7.0	5.4	5.8	6.0	DLF/JNS
Columbine	5.8	5.9	5.7	6.1	5.9	5.7	5.4	5.9	5.5	DLF/JNS/TG
Stravinsky	6.0	4.8	7.0	5.8	5.9	6.3	5.4	8.4	7.9	DLF
Passion	6.2	5.9	5.4	5.9	5.9	6.8	5.8	5.8	5.5	DLF/LMG
Bellini 1	6.0	5.8	5.6	6.0	5.9	5.9	4.1	5.4	5.2	DLF
Barlennium	5.8	5.1	7.0	5.5	5.8	6.1	6.1	7.6	7.4	BAR
Essence	5.7	6.4	5.8	5.5	5.8	4.4	5.9	6.1	5.6	DLF
Stolawn	6.2	5.7	4.9	6.4	5.8	5.6	4.5	5.9	6.2	RT/TG
Turfgold	5.6	5.2	6.8	5.6	5.8	6.0	5.9	6.5	6.3	DSV
Esquire	5.5	5.1	7.1	5.4	5.8	6.0	5.7	6.8	6.8	DLF
Neruda 1	5.8	5.3	6.1	5.8	5.7	7.1	5.9	8.8	8.0	DLF/TG
Limonica	5.5	5.2	6.4	5.7	5.7	5.7	6.0	7.5	7.2	DSV
Platinum	5.6	5.7	5.9	5.3	5.6	5.7	6.0	7.1	6.3	DLF
Kokomo	5.3	5.0	6.6	5.6	5.6	6.7	6.5	8.2	7.8	DLF/LMG
Jubilee EG	5.6	5.7	6.0	5.1	5.6	4.9	5.6	6.0	6.2	DSV
Concerto (LA)	5.8	5.2	5.5	5.7	5.5	5.9	5.8	6.0	5.4	RGT
Greenglide	6.0	5.6	4.6	5.7	5.5	5.5	6.2	5.5	5.4	DLF
Eterlou	5.3	5.0	5.8	5.2	5.3	5.8	5.4	6.5	6.6	DSV
Ponderosa	5.1	5.6	5.7	4.8	5.3	5.4	5.4	6.4	6.0	LMG
New Cultivars										
Barprium	7.7	7.4	8.3	8.0	7.9	7.1	-	5.2	6.5	BAR
Barzico (LA)	7.1	6.9	8.4	7.6	7.5	6.4	-	5.1	5.6	BAR
Singapore	7.9	7.9	6.1	8.0	7.5	6.7	-	4.9	5.3	LMG
Gildara	7.8	7.5	6.6	7.8	7.4	5.0	-	5.6	6.1	DLF/JNS

Table L1
 Continued

Cultivar	Shoot Density	Fineness of Leaf	Slow Regrowth	Visual Merit	Mean	Resistance to Red Thread	Cleaness of Cut	Winter Greenness	Summer Greenness	UK Agent
Creepstar (LA)	7.4	7.5	7.3	7.4	7.4	5.5	-	6.9	7.0	DLF
Gwynett (LA)	8.0	8.0	5.5	8.1	7.4	4.8	-	5.1	5.5	DLF
Meara (LA)	7.5	7.4	7.3	7.4	7.4	6.0	-	5.2	6.0	DLF
Lupita (LA)	7.9	7.9	5.4	7.8	7.3	7.0	-	5.6	6.0	DLF
Eurocool	7.3	6.6	7.6	7.3	7.2	5.8	-	4.4	6.7	DSV
Coletta	6.6	6.1	6.3	6.8	6.5	5.6	-	5.0	5.9	G
Pollen	6.8	6.0	5.9	6.6	6.3	7.6	-	6.0	6.2	DSV

LA = Limited availability

- = Data not available

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	UK Agent
Rihanna (LA)	8.1	7.8	6.5	7.9	7.6	5.0	6.6	5.6	LMG
Sombrero	7.8	7.5	6.6	7.7	7.4	5.0	6.1	5.2	DLF
Greenplay	7.9	7.7	6.2	7.9	7.4	5.8	6.3	5.2	RT/TG
Lincolnshire	7.9	7.5	6.2	7.8	7.4	5.1	6.5	5.3	DSV
Linares	7.8	7.7	6.1	7.6	7.3	6.0	6.0	5.2	DSV
Barhelene	7.7	7.5	6.3	7.6	7.3	6.0	6.2	5.1	BAR
Limousine	7.9	7.6	5.8	7.7	7.3	5.5	6.3	5.1	DSV
Joker	7.6	7.4	6.6	7.3	7.2	7.1	6.3	5.6	DSV
Borsala (LA)	7.1	7.2	7.2	6.9	7.1	6.3	5.8	5.5	DLF
Yvette	7.3	7.3	6.6	7.3	7.1	7.2	6.0	5.5	LMG
Aramintha (LA)	7.4	7.1	6.1	7.5	7.0	6.8	5.7	5.7	DLF
Julius	7.7	7.1	5.7	7.1	6.9	5.4	6.0	4.7	DLF
Powerplay	6.3	5.9	7.9	6.0	6.5	6.0	6.3	7.3	DSV
Cocktail	6.5	6.6	5.3	6.9	6.3	6.6	6.5	6.2	LMG
Tetris	6.3	6.4	6.5	6.1	6.3	6.3	8.0	6.1	G
Conni	6.3	6.1	6.2	6.6	6.3	6.2	5.5	6.2	DLF
Miracle	6.3	6.1	6.2	6.4	6.3	7.3	5.4	7.0	DLF
Zeptor	6.2	5.7	6.8	6.0	6.2	6.1	6.0	6.9	DSV
Markus	6.7	5.9	5.3	6.6	6.1	6.0	6.1	5.8	DSV
Baris	5.9	5.7	4.9	5.7	5.6	5.5	5.1	6.0	BAR
Panduro	5.6	5.9	5.2	5.2	5.5	6.0	5.5	5.3	DLF
Evora	4.4	4.1	4.3	4.4	4.3	4.3	5.5	7.1	DLF
New Cultivars									
Becca (LA)	8.4	8.1	5.5	8.1	7.5	-	6.0	5.0	LMG
Dakisha (LA)	7.0	6.3	5.7	6.8	6.4	-	5.1	5.9	DLF

LA = Limited availability

- = Data not available

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	UK Agent
Siskin	7.7	7.7	7.7	8.2	6.3	7.6	DLF/JNS
Dancing (LA)	7.6	7.6	7.6	7.1	5.8	6.3	BAR
Ramona	7.5	7.7	7.6	7.0	5.4	5.5	DSV
EuroCarina	7.4	7.4	7.4	6.3	5.7	5.9	DSV
Humboldt	7.4	7.4	7.4	6.7	6.3	6.3	DLF/JNS
Bodega	7.3	7.5	7.4	6.4	6.3	5.5	BAR
Barlineus	7.5	7.2	7.4	7.5	6.6	5.1	BAR
Musica	7.3	7.4	7.3	6.6	5.7	6.6	BAR
Gima (LA)	7.3	7.3	7.3	6.4	5.2	5.8	DLF/JNS
Blenheim	7.3	7.2	7.3	6.4	6.2	6.0	DLF/JNS
Bogart	7.1	7.4	7.2	7.0	5.5	5.2	DLF/JNS
Esparina (LA)	7.2	7.2	7.2	6.9	6.4	8.0	DLF
Filius	7.4	6.9	7.2	5.9	5.9	5.8	DSV
Caldris	7.2	7.1	7.2	5.9	5.2	4.8	LMG
Greenmile	7.1	7.0	7.1	6.2	7.4	6.9	TG
Greensleeves	6.7	7.2	7.0	6.8	5.8	5.6	RT/TG
Highnote	7.1	6.8	6.9	5.2	5.6	6.1	G
Fulmar	6.8	7.0	6.9	7.2	4.4	5.5	DLF
Dorianna	6.7	7.1	6.9	7.7	6.6	5.5	DSV
Bargreen II	7.1	6.7	6.9	5.7	5.2	5.4	BAR
Barchip	6.7	6.8	6.8	5.6	6.9	7.5	BAR
Barswing	6.8	6.6	6.7	7.9	6.6	5.7	BAR
Joanna	6.6	6.8	6.7	5.0	7.2	7.8	G
Mission	6.6	6.6	6.6	6.4	7.0	7.6	DSV
Eurocrown	6.6	6.5	6.6	6.3	5.8	5.7	DSV
Brahms	6.3	6.8	6.6	6.3	7.2	5.8	RT/TG
Annalena	6.8	6.2	6.5	4.3	6.3	7.3	DSV
Katarina	6.6	6.4	6.5	5.0	6.3	6.9	DSV
Nikky	6.5	6.4	6.5	5.5	6.1	6.4	LMG
Raisa	6.6	6.2	6.4	5.7	5.9	5.7	DSV
Bargreen	6.3	6.5	6.4	7.3	5.6	5.8	BAR
Calliope	6.6	5.9	6.2	5.4	4.3	5.9	TG/DLF
Wagner 1	6.2	6.1	6.1	5.6	7.0	7.5	DLF
Trophy	5.6	6.6	6.1	6.9	5.5	6.3	DLF/LMG
Belleaire	5.9	6.2	6.1	4.5	6.8	7.3	SUT/TG
Olivia	6.1	5.9	6.0	5.1	5.1	5.6	DSV
Capriccio	6.1	5.9	6.0	6.3	5.0	5.9	DLF
Excellence	6.0	5.8	5.9	5.1	6.0	6.5	DSV
Livista	6.2	5.3	5.8	6.2	5.0	6.2	DSV
New Cultivars							
Bardeco (LA)	7.8	7.7	7.7	6.6	4.7	7.0	BAR
Brittany (LA)	7.3	7.1	7.2	5.2	5.8	5.7	LMG
Antoinette	7.2	7.0	7.1	6.2	5.8	6.2	DSV
Camanette (LA)	7.2	6.8	7.0	5.2	5.0	6.6	G/SMFR

LA = Limited availability

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	UK Agent
Nigella	7.9	7.9	7.9	7.2	5.8	6.6	DLF/JNS
Absolom (LA)	7.8	7.7	7.8	7.4	4.5	5.3	DLF/JNS
Beudin	7.5	7.9	7.7	6.7	6.1	5.5	DLF/JNS/TG
Aporina	7.5	7.8	7.6	7.3	6.3	5.9	LMG
Barcrown	7.7	7.5	7.6	8.5	5.6	6.4	BAR
Cathy (LA)	7.6	7.4	7.5	6.2	4.8	6.0	LMG
Cezanne	7.3	7.5	7.4	6.2	6.1	6.5	DLF/JNS
Viktorka	7.4	7.3	7.4	7.7	6.0	7.0	BAR
Mirador	7.4	7.2	7.3	7.2	5.6	5.7	G
Papilio (LA)	7.2	7.2	7.2	6.8	5.3	5.6	DLF
Finesto	7.2	7.2	7.2	6.0	5.3	5.3	DLF
Barpearl	7.1	7.2	7.2	7.9	6.0	6.2	BAR
Barswilcan (LA)	7.2	7.0	7.1	7.7	4.6	4.7	BAR
Barmalia	6.9	7.1	7.0	7.7	5.7	4.4	BAR
Valdora	6.9	6.9	6.9	6.0	5.7	5.9	DLF
Archibal	6.8	6.8	6.8	5.4	5.7	6.3	DLF
Charlotte	6.8	6.6	6.7	6.3	5.2	6.0	DSV
AberCharm	6.7	6.5	6.6	6.2	7.4	7.9	G
EuroMarie	6.3	6.6	6.4	5.1	8.0	6.0	DSV
Musette	6.4	6.4	6.4	4.5	6.8	6.4	BAR
Vivien (LA)	6.7	6.1	6.4	5.8	7.6	7.8	LMG
Pinafore	6.4	6.4	6.4	6.1	7.1	6.8	DLF
Cathrine	6.3	5.8	6.1	5.5	8.3	7.9	DSV
Mezzoforte	6.1	5.9	6.0	6.1	7.7	6.4	DSV
Nicole	5.6	5.8	5.7	6.2	6.5	6.7	DSV
Reggae	5.9	5.5	5.7	4.4	6.3	6.0	BAR
Smirna	5.5	5.5	5.5	5.9	5.3	5.3	LMG/DLF
Libano	5.2	5.2	5.2	4.9	5.6	5.5	DSV
Samanta	5.1	5.2	5.2	5.1	5.2	5.2	DLF
New Cultivars							
Sarolea (LA)	7.5	7.2	7.4	5.8	5.5	7.2	DLF
Brumana (LA)	7.6	6.9	7.2	6.2	5.6	6.4	RT/TG
Jolie	7.2	6.7	6.9	6.7	6.7	7.3	DSV
Gillet (LA)	6.9	6.6	6.7	5.3	5.4	7.0	DLF
Teenie	6.7	6.0	6.4	5.6	6.7	6.8	DSV

LA = Limited availability

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	UK Agent
Laverda	6.2	6.3	6.2	4.6	5.2	6.3	DLF/JNS
Rossinante	5.9	6.0	6.0	6.0	5.6	5.5	DLF/JNS
Barrissee	5.8	6.0	5.9	6.6	5.9	5.2	BAR
Hastings	5.6	5.8	5.7	4.8	5.2	5.5	RT/TG
Magitte	5.4	5.7	5.5	4.8	7.0	6.7	DSV
Sergei	5.5	5.4	5.4	5.9	5.5	5.8	BAR/DLF
Mellori	5.3	5.3	5.3	4.6	7.5	6.8	DSV
Ryder	5.3	5.0	5.2	4.6	6.5	5.9	DSV
Heidrun	5.2	5.1	5.2	5.2	6.1	5.8	LMG
Cabarette (LA)	5.1	5.2	5.2	3.6	5.9	4.9	SMFR/G
Polka	5.0	5.0	5.0	4.9	6.4	5.6	BAR
Quintet (LA)	4.8	5.1	5.0	4.7	5.4	5.2	RGT
Camilla	4.8	5.0	4.9	5.4	7.5	7.0	DSV
Jasperina	4.9	4.8	4.9	4.0	6.5	6.8	DSV
Dipper	4.6	4.5	4.6	4.2	6.3	5.4	DSV
Corail	4.5	4.4	4.5	4.8	6.0	6.0	LMG/DLF
Barustic	4.4	4.5	4.4	4.0	5.3	5.8	BAR
Mystic	4.3	4.4	4.4	5.4	6.7	6.6	SUT/TG
Maxima 1	4.2	4.2	4.2	5.3	6.7	5.7	DLF
Relevant	4.0	3.9	3.9	5.2	5.6	5.5	DSV
Boreal	3.2	3.5	3.3	4.2	4.3	4.6	Fa*
New Cultivars							
Runa (LA)	6.0	6.0	6.0	5.5	5.6	5.6	DLF
Benji (LA)	5.4	5.3	5.4	5.3	6.7	5.9	LMG
Barjessica	4.7	4.9	4.8	6.0	6.6	7.9	BAR
Record	4.0	3.8	3.9	3.6	9.1	8.0	DSV

LA = Limited availability

Fa* = Freely available

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

Table L6

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

Cultivar	Shoot Density	Visual Merit	Mean	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
<i>Hard Fescue (Festuca longifolia)</i>							
Crystal	7.6	7.0	7.3	6.8	6.9	6.6	DLF/JNS
Manetto	7.4	7.1	7.2	6.3	7.0	7.0	DLF/JNS
Hardtop	6.6	6.5	6.5	6.5	7.1	5.8	BAR
Nordic	5.6	5.9	5.8	7.4	6.8	5.7	DLF
Dumas 1	5.7	5.7	5.7	6.2	6.7	5.7	DLF
Mentor	5.3	5.5	5.4	6.5	5.5	5.3	G
<i>Sheep's fescue (Festuca ovina)</i>							
Quatro	8.6	7.9	8.2	8.2	7.3	6.9	DLF/JNS
AberFleece	8.2	7.1	7.7	5.1	6.2	6.5	G

Table L7

Bentgrasses (*Agrostis ssp*)

Cultivar	Shoot Density	Fineness of Leaf	Visual Merit	Mean	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
<i>Browntop bent (Agrostis capillaris)</i>								
Charles	7.7	7.6	7.5	7.6	4.8	5.9	6.2	BAR
Arrowtown	7.2	7.1	7.6	7.3	5.2	5.5	6.0	DLF/JNS
BarkKing	6.9	6.7	7.3	7.0	5.6	7.0	5.8	BAR
Cleek (LA)	6.9	6.4	7.3	6.9	5.5	5.4	6.2	DLF
AberRegal	6.9	6.6	7.2	6.9	5.8	7.4	6.8	G
Manor	6.7	6.4	7.1	6.7	5.8	5.8	5.6	DLF/JNS
Heriot	6.5	6.3	7.1	6.7	5.6	6.7	6.3	BAR
Egmont	6.5	6.3	7.0	6.6	6.3	6.8	6.6	TG
Jorvik	6.4	6.3	6.5	6.4	5.0	6.1	7.0	DLF
Sefton	6.0	6.2	6.8	6.3	5.3	6.4	5.6	LMG
Arietta	5.9	6.3	6.7	6.3	5.2	6.3	5.3	LMG
Denso	5.9	6.1	6.2	6.1	6.4	6.4	7.0	DLF
<i>Highland bent (Agrostis castellana)</i>								
Highland	4.3	4.4	4.5	4.4	5.2	8.0	4.8	Fa*
<i>Creeping bent (Agrostis stolonifera)</i>								
Penn A-1	5.6	5.5	5.3	5.4	6.7	5.6	5.6	ICL
<i>Velvet bent (Agrostis canina)</i>								
Villa 1 (LA)	8.4	8.0	7.0	7.8	4.5	6.4	7.4	DLF/JNS

LA = Limited availability

Fa* = Freely available

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

Table L8

Tall fescue (*Festuca arundinacea*)

Cultivar	Shoot Density	Fineness of Leaf	Slow Regrowth	Visual Merit	Mean	Winter Greenness	Summer Greenness	UK Agent
RGT Nuance	8.5	8.8	6.0	8.6	8.0	4.1	4.4	RGT
Justice	7.2	6.8	6.6	7.1	6.9	7.0	7.0	BAR
Barcesar	7.0	7.2	6.2	6.6	6.8	5.6	5.1	BAR
Melyane	7.1	6.8	6.0	6.7	6.6	5.1	5.1	DSV
Debussy 1	6.7	6.1	6.5	6.6	6.5	7.2	7.3	DLF/JNS
Barlexas II	6.0	6.2	7.5	5.9	6.4	6.7	7.0	BAR
Grande II	6.4	6.1	6.1	6.2	6.2	6.9	6.8	RT/TG
Meandre	5.9	6.5	6.0	6.1	6.1	5.5	6.1	DSV
Masterpiece	5.9	5.6	6.9	6.2	6.1	6.5	6.9	DLF/LMG
Starlett	5.5	4.9	5.5	5.4	5.3	6.3	6.1	DLF
New Cultivars								
Essential	8.0	7.4	7.5	7.8	7.7	7.1	6.7	TG

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	UK Agent
Barcampsia	8.5	8.1	8.5	4.8	7.4	5.3	6.5	4.9	BAR
Trakaj	6.7	6.1	6.5	6.6	6.5	6.2	4.8	6.3	DSV
New Cultivars									
Desanto	6.3	7.2	6.4	6.7	6.7	5.4	6.0	5.4	DSV
Deshade	5.3	5.6	6.1	6.2	5.8	4.1	6.6	4.4	DSV

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), Hard, Sheep's and Strong creeping red fescues (*Festuca* ssp.) (Table G5)

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 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 5 – 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 (5 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.)

Cultivar	Shoot Density	Visual Merit	Mean	Finess of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Browntop bent (<i>Agrostis capillaris</i>)								
Charles	7.6	7.6	7.6	7.4	-	5.2	5.7	BAR
Arrowtown	7.0	7.2	7.1	6.8	5.9	4.6	5.9	DLF/JNS
Cleek (LA)	6.9	7.1	7.0	6.3	-	4.9	5.7	DLF
Manor	6.9	7.0	6.9	6.5	5.5	5.5	5.5	DLF/JNS
BarkKing	6.5	7.0	6.7	6.4	5.7	6.9	5.9	BAR
Egmont	6.7	6.8	6.7	6.2	6.1	6.4	6.6	TG
Heriot	6.5	6.9	6.7	6.8	5.7	6.4	6.3	BAR
Sefton	6.5	6.8	6.7	6.7	5.1	5.5	5.1	LMG
AberRegal	6.5	6.7	6.6	6.4	6.3	7.0	6.7	G
Teetop (LA)	6.5	6.6	6.6	6.5	-	4.4	5.1	DLF
Heritage	6.4	6.7	6.5	6.1	-	6.3	7.0	ICL
AberRoyal	6.4	6.6	6.5	6.4	5.8	6.9	6.7	G
Troy	6.4	6.5	6.4	6.0	6.3	5.9	6.5	LMG
Jorvik	6.4	6.4	6.4	6.3	5.0	6.6	7.6	DLF
Arletta	5.8	6.2	6.0	7.0	5.0	6.3	5.5	LMG
New Cultivars								
Puritan (LA)	6.8	7.2	7.0	6.6	-	6.5	6.8	DLF
Musket	6.6	7.0	6.8	6.7	-	5.9	5.8	G
Rhinegold (LA)	6.2	6.8	6.5	6.0	-	5.7	6.1	DLF
Creeping bent (<i>Agrostis stolonifera</i>)								
Riptide	6.6	6.9	6.7	6.7	-	5.8	5.0	ICL
OO7 DSB	6.4	6.5	6.4	6.4	5.9	6.9	5.4	G
Cobra nova	6.3	6.3	6.3	6.4	6.0	7.4	5.9	DLF/JNS
CY2	6.1	6.1	6.1	5.5	5.7	6.2	4.9	DLF
Mackenzie	6.1	6.0	6.1	6.0	5.1	6.6	5.5	DSV
Ignite	5.9	6.0	5.9	6.0	-	7.2	5.4	BAR
Penn A-1	5.9	5.8	5.9	5.9	6.3	7.0	5.7	ICL
Tyee	5.8	5.8	5.8	5.5	6.1	6.6	5.2	G
Velvet bent (<i>Agrostis canina</i>)								
Villa 1 (LA)	8.3	7.6	8.0	7.8	3.9	5.8	7.2	DLF/JNS
Vitagreen (LA)	8.0	7.6	7.8	8.0	-	6.5	6.5	G

LA = Limited availability

- = Data not available

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	UK Agent
Barlineus	8.3	8.0	8.1	7.5	6.9	5.5	BAR
Dancing (LA)	7.8	7.8	7.8	6.2	6.1	6.3	BAR
Filius	7.8	7.6	7.7	5.6	6.1	5.7	DSV
Bogart	7.7	7.7	7.7	6.5	5.3	5.5	DLF/JNS
Bargreen II	7.7	7.6	7.6	6.4	6.1	5.7	BAR
EuroCarina	7.7	7.5	7.6	6.4	6.3	6.3	DSV
Ramona	7.4	7.6	7.5	7.1	6.0	6.2	DSV
Bodega	7.5	7.5	7.5	6.5	5.9	6.2	BAR
Gima (LA)	7.4	7.5	7.5	5.7	5.8	5.9	DLF/JNS
Humboldt	7.6	7.3	7.5	6.9	6.5	6.6	DLF/JNS
Musica	7.4	7.4	7.4	6.2	6.0	6.5	BAR
Greensleeves	7.5	7.3	7.4	6.7	6.2	6.1	RT/TG
Nikky	7.4	7.2	7.3	5.7	6.9	7.2	LMG
Bardeco (LA)	7.4	7.1	7.3	7.3	5.9	6.4	BAR
Siskin	7.0	7.1	7.1	7.1	5.6	7.7	DLF/JNS
Eurocrown	7.0	7.1	7.1	6.8	6.6	6.1	DSV
Annalena	7.2	6.9	7.1	3.9	7.2	7.7	DSV
Caldris	6.9	6.9	6.9	6.2	5.3	5.7	LMG
Esparina (LA)	6.9	6.8	6.8	6.9	6.2	8.0	DLF
Highnote	6.8	6.6	6.7	5.2	6.3	6.5	G
Belleaire	6.6	6.9	6.7	4.6	6.6	6.8	SUT/TG
Antoinette	6.8	6.6	6.7	5.9	6.9	6.1	DSV
Barchip	6.6	6.6	6.6	6.1	7.0	7.5	BAR
Greenmile	6.5	6.6	6.6	7.1	6.5	6.7	TG
Katarina	6.7	6.4	6.5	5.2	6.8	6.9	DSV
Calliope	6.7	6.3	6.5	4.7	5.1	5.6	TG/DLF
Barswing	6.6	6.3	6.5	7.6	6.5	5.9	BAR
Dorianna	6.3	6.5	6.4	7.4	6.3	6.2	DSV
Mission	6.4	6.4	6.4	5.6	7.9	7.8	DSV
Brahms	6.3	6.3	6.3	6.1	7.0	5.9	RT/TG
Fulmar	6.4	6.1	6.2	6.7	4.7	6.0	DLF
Raisa	6.5	5.9	6.2	5.6	5.7	5.8	DSV
Blenheim	6.3	6.1	6.2	6.4	6.1	6.6	DLF/JNS
Wagner 1	6.2	6.1	6.1	6.0	6.7	7.5	DLF
Joanna	6.2	6.0	6.1	4.3	7.7	7.6	G
Trophy	5.7	6.2	6.0	6.6	5.7	6.1	DLF/LMG
Excellence	5.8	6.1	5.9	6.2	7.0	7.1	DSV
Olivia	6.0	5.9	5.9	5.4	5.5	5.4	DSV
Capriccio	5.9	5.7	5.8	6.3	4.7	6.0	DLF
Livista	5.8	5.3	5.6	5.8	5.4	5.9	DSV
New Cultivars							
Camanette (LA)	8.1	7.8	7.9	5.7	5.7	6.7	G/SMFR
Brittany (LA)	7.4	7.3	7.4	6.3	5.8	6.1	LMG

LA = Limited availability

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

Table G3

Slender creeping red fescues (*Festuca rubra litoralis*)

Cultivar	Shoot Density	Visual Merit	Mean	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Barcrown	7.8	7.3	7.6	8.3	6.0	6.4	BAR
Cezanne	7.5	7.6	7.5	6.4	5.7	6.3	DLF/JNS
Absolom (LA)	7.2	7.8	7.5	7.8	4.3	4.9	DLF/JNS
Viktorka	7.6	7.3	7.5	7.8	6.1	7.1	BAR
Brumana (LA)	7.4	7.4	7.4	6.9	5.7	5.6	RT/TG
Nigella	7.2	7.5	7.3	7.7	5.4	6.3	DLF/JNS
Cathy (LA)	7.4	7.2	7.3	6.4	4.6	5.4	LMG
Beudin	7.3	7.3	7.3	6.7	5.7	5.2	DLF/JNS/TG
Barpearl	7.1	7.3	7.2	8.0	6.2	6.2	BAR
Aporina	6.9	7.1	7.0	6.5	6.0	5.5	LMG
Charlotte	7.0	7.0	7.0	5.6	5.6	5.9	DSV
Finesto	6.9	7.0	7.0	6.0	5.0	5.1	DLF
Valdora	6.9	6.9	6.9	6.4	5.5	5.7	DLF
Papilio (LA)	6.9	6.9	6.9	6.6	5.9	5.5	DLF
Gillet (LA)	6.9	6.8	6.9	5.4	5.6	7.1	DLF
Barswilcan (LA)	7.0	6.7	6.8	7.5	4.1	4.9	BAR
Jolie	6.9	6.6	6.7	6.7	7.0	6.7	DSV
Reggae	6.6	6.6	6.6	4.0	6.3	5.7	BAR
AberCharm	6.9	6.3	6.6	4.9	6.9	8.2	G
Sarolea (LA)	6.6	6.6	6.6	6.0	6.0	6.5	DLF
Musette	6.6	6.4	6.5	4.8	6.4	6.2	BAR
Tremont	6.6	6.4	6.5	5.0	5.1	5.2	DSV
Mirador	6.5	6.4	6.4	7.4	4.5	5.4	G
Kasinski (LA)	6.6	6.3	6.4	6.3	8.1	8.2	DLF
Vivien (LA)	6.5	6.3	6.4	5.7	7.3	7.8	LMG
EuroMarie	6.4	6.4	6.4	4.5	7.0	6.1	DSV
Archibal	6.3	6.5	6.4	6.2	5.2	6.4	DLF
Cathrine	6.3	6.0	6.2	5.7	8.2	8.2	DSV
Borluna	6.0	6.1	6.0	6.1	5.5	7.8	G
Nicole	6.0	6.0	6.0	5.2	6.2	6.0	DSV
Smirna	5.8	5.8	5.8	5.7	5.6	5.3	LMG/DLF
Libano	5.6	5.5	5.5	5.3	6.0	5.8	DSV
Samanta	5.0	5.3	5.1	5.6	5.7	5.2	DLF
New Cultivars							
Seroa (LA)	7.7	7.5	7.6	6.7	5.5	5.9	DLF
Teenie	6.9	6.8	6.8	6.2	6.7	6.1	DSV
Cantando (LA)	6.5	7.0	6.8	4.8	6.3	6.2	RGT

LA = Limited availability

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

Table G4
Perennial ryegrass (*Lolium perenne*)

Cultivar	Shoot Density	Visual Merit	Mean	Fitness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Barolympic	8.6	8.8	8.7	8.3	6.2	3.9	4.0	BAR
Clementine	7.7	7.6	7.6	6.8	6.3	5.7	5.5	DLF/JNS/TG
Cabrio	7.3	7.5	7.4	8.4	4.8	5.4	6.0	G/SMFR
Barsignum	7.2	7.2	7.2	7.2	6.6	6.0	7.1	BAR
Monroe	6.8	7.2	7.0	7.1	6.2	6.4	6.8	DLF/JNS
Dickens 1	6.9	7.0	7.0	6.5	6.2	5.5	5.1	DLF/JNS
Estelle	6.5	6.9	6.7	6.6	7.3	5.9	4.5	RT/TG
Bargold	6.6	6.8	6.7	6.9	5.9	6.7	6.1	BAR
Chloe (LA)	6.7	6.7	6.7	6.3	6.2	6.0	5.2	DLF
Cyrena	6.4	6.5	6.5	5.5	7.2	5.4	5.3	LMG
Escapade	6.5	6.1	6.3	6.7	6.6	6.3	6.5	G/SMFR
Antonella	6.2	6.1	6.2	6.4	6.3	6.0	7.0	DLF
Poseidon	6.2	6.0	6.1	5.6	4.8	4.9	5.6	RT/TG
Chardin	6.0	6.1	6.1	6.4	5.1	4.0	4.8	DLF/JNS
Gianna	5.9	6.0	5.9	5.5	7.2	5.4	6.2	RT/TG
Dylan	5.3	5.4	5.4	5.5	5.8	6.1	5.1	DLF/TG
Greenway	5.3	5.3	5.3	5.3	5.0	6.4	6.3	SUT/TG
Columbine	5.3	5.2	5.2	5.4	3.1	7.1	6.6	DLF/JNS/TG
Venice	5.1	5.0	5.1	5.3	5.8	4.8	5.4	LMG
Mercitwo	5.0	4.9	5.0	5.2	6.7	5.3	5.5	RT/TG
New Cultivars								
Eventus	5.9	5.7	5.8	6.8	7.9	7.3	7.5	DSV/BAR

LA = Limited availability

Table G5
Hard, Sheep's and Strong creeping red fescues (*Festuca ssp.*)

The performance of strong creeping red fescues, hard fescues and Sheep's fescues have been evaluated as a group for use in close mown turf (Table G5). These grasses tolerate a degree of close mowing and can form an attractive close mown turf. They could be used as an alternative to, or in combination with, Chewings and slender creeping red fescue for many fine turf uses. However, they will not match superior Chewings and slender creeping red fescue cultivars for use in high quality golf greens. Sheep's fescues tend to form noticeable growth patterns (whorls) in fine turf. This is not unattractive but can make them difficult to stripe up with a mower.

Cultivar	Shoot Density	Visual Merit	Mean	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Hard fescue (<i>Festuca longifolia</i>)							
Manetto	7.3	6.8	7.1	7.0	7.3	7.5	DLF/JNS
Hardtop	6.4	6.3	6.4	6.9	7.4	6.8	BAR

Table G5
Continued

Cultivar	Shoot Density	Visual Merit	Mean	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Sheep's fescue (<i>Festuca ovina</i>)							
Quatro	7.7	7.6	7.6	7.0	6.9	7.3	DLF/JNS
Strong creeping red fescue (<i>Festuca rubra rubra</i>)							
Rossinante	5.8	6.1	5.9	5.6	5.4	5.3	DLF/JNS
Barrissee	5.8	5.8	5.8	0.0	5.1	4.9	BAR
New Cultivars							
Hastings	5.6	5.6	5.6	4.6	5.4	5.3	RT/TG
Runa (LA)	5.4	5.4	5.4	5.7	5.3	5.1	DLF

LA = Limited availability

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.

Miscellaneous Grasses

Other Grasses (Table M1)

Cultivar	Wear Tolerance	Shoot Density	Fineness of Leaf	Visual Merit	Slow Regrowth	UK Agent
Rough stalked meadow-grass (<i>Poa trivialis</i>) Note 1						
Boganis (LA)	-	5.7	8.2	5.1	7.9	DLF/JNS
Sabrena 1	-	5.4	8.2	5.0	8.0	DLF

Notes:

1 Comparable with smooth-stalked meadow-grass

LA = Limited availability

- = Data not available

Index

Cultivar	Species	Tables
AberCharm	Slender creeping red fescue	L4 G3
AberFleece	Sheep's fescue	L6
AberRegal	Browntop bent	L7 G1
AberRoyal	Browntop bent	G1
Absolom (LA)	Slender creeping red fescue	L4 G3
Agreement	Perennial ryegrass	S1
Alboka	Perennial ryegrass	S1 L1
Alison	Perennial ryegrass	S1 L1
Alyssa (LA)	Perennial ryegrass	S1 L1
Angelina	Perennial ryegrass	S1 L1
Aniston	Perennial ryegrass	S1 L1
Annalena	Chewings fescue	L3 G2
Annecy	Perennial ryegrass	S1 L1
Antoinette	Chewings fescue	L3 G2
Antonella	Perennial ryegrass	S1 L1 G4
Aporina	Slender creeping red fescue	L4 G3
Aramintha (LA)	Smooth-stalked meadow-grass	S2 L2
Archibal	Slender creeping red fescue	L4 G3
Arletta	Browntop bent	L7 G1
Armani (LA)	Tall fescue	S3
Arrowtown	Browntop bent	L7 G1
Baradona	Perennial ryegrass	S1 L1
Barbasten (LA)	Perennial ryegrass	S1
Barcampsia	Tufted hair-grass	S4 L9
Barcesar	Tall fescue	S3 L8
Barchip	Chewings fescue	L3 G2
Barcristalla	Perennial ryegrass	S1 L1
Barcrown	Slender creeping red fescue	L4 G3
Bardeco (LA)	Chewings fescue	L3 G2
Bardorado	Perennial ryegrass	S1
Bareuro	Perennial ryegrass	S1 L1
Bargold	Perennial ryegrass	S1 L1 G4
Bargreen	Chewings fescue	L3
Bargreen II	Chewings fescue	L3 G2
Barhelene	Smooth-stalked meadow-grass	S2 L2
Barillion	Perennial ryegrass	S1
Bariris	Smooth-stalked meadow-grass	S2 L2
Barjessica	Strong creeping red fescue	L5
BarKing	Browntop bent	L7 G1
Barlennium	Perennial ryegrass	S1 L1
Barlexas II	Tall fescue	S3 L8
Barlicum	Perennial ryegrass	S1 L1
Barlineus	Chewings fescue	L3 G2
Barmalia	Slender creeping red fescue	L4
Barminton	Perennial ryegrass	L1
Barolympic	Perennial ryegrass	S1 L1 G4
Baromario	Perennial ryegrass	S1 L1
Barorlando	Perennial ryegrass	S1 L1
Barpearl	Slender creeping red fescue	L4 G3
Barprium	Perennial ryegrass	S1 L1

Cultivar	Species	Tables
Barrissee	Strong creeping red fescue	L5 G5
Barsignum	Perennial ryegrass	S1 L1 G4
Barswilcan (LA)	Slender creeping red fescue	L4 G3
Barswing	Chewings fescue	L3 G2
Barustic	Strong creeping red fescue	L5
Barzico (LA)	Perennial ryegrass	S1 L1
Becca (LA)	Smooth-stalked meadow-grass	S2 L2
Beckham	Perennial ryegrass	S1 L1
Belleaire	Chewings fescue	L3 G2
Bellevue	Perennial ryegrass	L1
Bellini 1	Perennial ryegrass	S1 L1
Benji (LA)	Strong creeping red fescue	L5
Berlioz 1	Perennial ryegrass	S1 L1
Beudin	Slender creeping red fescue	L4 G3
Biarritz	Perennial ryegrass	L1
Bizet 1	Perennial ryegrass	S1 L1
Blenheim	Chewings fescue	L3 G2
Bluenote	Smooth-stalked meadow-grass	S2
Bodega	Chewings fescue	L3 G2
Boganis (LA)	Rough stalked meadow-grass	M
Bogart	Chewings fescue	L3 G2
Boreal	Strong creeping red fescue	L5
Borluna	Slender creeping red fescue	G3
Borsala (LA)	Smooth-stalked meadow-grass	S2 L2
Brahms	Chewings fescue	L3 G2
Brittany (LA)	Chewings fescue	L3 G2
Brumana (LA)	Slender creeping red fescue	L4 G3
Cabarette (LA)	Strong creeping red fescue	L5
Cabrio	Perennial ryegrass	L1 G4
Cadix	Perennial ryegrass	S1 L1
Caldrix	Chewings fescue	L3 G2
Calico	Perennial ryegrass	S1 L1
Calliope	Chewings fescue	L3 G2
Camanette (LA)	Chewings fescue	L3 G2
Cameron	Perennial ryegrass	S1 L1
Camilla	Strong creeping red fescue	L5
Cantando (LA)	Slender creeping red fescue	G3
Capriccio	Chewings fescue	L3 G2
Carnac	Perennial ryegrass	S1 L1
Cathrine	Slender creeping red fescue	L4 G3
Cathy (LA)	Slender creeping red fescue	L4 G3
Ceretec	Perennial ryegrass	S1
Centurion		
Cezanne	Slender creeping red fescue	L4 G3
Chardin	Perennial ryegrass	S1 L1 G4
Charles	Browntop bent	L7 G1
Charlotte	Slender creeping red fescue	L4 G3
Chloe (LA)	Perennial ryegrass	S1 L1 G4
Claudine	Perennial ryegrass	S1 L1
Cleek (LA)	Browntop bent	L7 G1

Cultivar	Species	Tables
Clementine	Perennial ryegrass	S1 L1 G4
Cleopatra	Perennial ryegrass	S1 L1
Cobra nova	Creeping bent	G1
Cocktail	Smooth-stalked meadow-grass	S2 L2
Coletta	Perennial ryegrass	L1
Columbine	Perennial ryegrass	S1 L1 G4
Concerto (LA)	Perennial ryegrass	S1 L1
Conni	Smooth-stalked meadow-grass	S2 L2
Corail	Strong creeping red fescue	L5
Creepstar (LA)	Perennial ryegrass	S1 L1
Crystal	Hard Fescue	L6
CY2	Creeping bent	G1
Cyrena	Perennial ryegrass	S1 L1 G4
Dakisha (LA)	Smooth-stalked meadow-grass	S2 L2
Dancing (LA)	Chewings fescue	L3 G2
Dauntless	Smooth-stalked meadow-grass	S2
Debussy 1	Tall fescue	S3 L8
Denso	Browntop bent	L7
Desanto	Tufted hair-grass	S4 L9
Deshade	Tufted hair-grass	S4 L9
Dickens 1	Perennial ryegrass	S1 L1 G4
Dipper	Strong creeping red fescue	L5
Dorianna	Chewings fescue	L3 G2
Double	Perennial ryegrass	S1s
Dumas 1	Hard Fescue	L6
Duparc	Perennial ryegrass	S1 L1
Dylan	Perennial ryegrass	L1 G4
EG Resistus	Perennial ryegrass	S1 L1
Egmont	Browntop bent	L7 G1
Enigma	Smooth-stalked meadow-grass	S2
Escapade	Perennial ryegrass	S1 L1 G4
Esparina (LA)	Chewings fescue	L3 G2
Esquire	Perennial ryegrass	S1 L1
Essence	Perennial ryegrass	S1 L1
Essential	Tall fescue	S3 L8
Estelle	Perennial ryegrass	S1 L1 G4
Eterlou	Perennial ryegrass	L1
Etienna (LA)	Perennial ryegrass	S1
Eugenius	Perennial ryegrass	S1 L1
Eurobeat	Perennial ryegrass	S1
EuroCarina	Chewings fescue	L3 G2
Eurocool	Perennial ryegrass	S1 L1
EuroCordus	Perennial ryegrass	S1 L1
Eurocrown	Chewings fescue	L3 G2
Eurodiamond	Perennial ryegrass	S1 L1
EuroMarie	Slender creeping red fescue	L4 G3
Europitch	Perennial ryegrass	S1 L1
Eurosport	Perennial ryegrass	S1 L1
Eventus	Perennial ryegrass	S1 L1 G4
Evora	Smooth-stalked meadow-grass	S2 L2
Excellence	Chewings fescue	L3 G2
Fabian	Perennial ryegrass	S1s
Fancy	Perennial ryegrass	S1
Fandango	Perennial ryegrass	S1 L1
Filius	Chewings fescue	L3 G2
Finesto	Slender creeping red fescue	L4 G3
Flamenco	Perennial ryegrass	S1 L1
Foxhound	Tall fescue	S3
Fulmar	Chewings fescue	L3 G2
Galleon	Perennial ryegrass	S1

Cultivar	Species	Tables
Gianna	Perennial ryegrass	S1 L1 G4
Gildara	Perennial ryegrass	S1 L1
Gillet (LA)	Slender creeping red fescue	L4 G3
Gima (LA)	Chewings fescue	L3 G2
Gladys	Perennial ryegrass	S1 L1
Grande II	Tall fescue	S3 L8
Granditte	Tall fescue	S3
Greenglide	Perennial ryegrass	S1 L1
Greenmile	Chewings fescue	L3 G2
Greenplay	Smooth-stalked meadow-grass	S2 L2
Greensky	Perennial ryegrass	S1 L1
Greensleeves	Chewings fescue	L3 G2
Greenway	Perennial ryegrass	S1 L1 G4
Groundforce	Perennial ryegrass	L1
Gwynett (LA)	Perennial ryegrass	S1 L1
Hardtop	Hard Fescue	L6 G5
Harmonie	Smooth-stalked meadow-grass	S2
Hastings	Strong creeping red fescue	L5 G5
Hayley	Perennial ryegrass	S1 L1
Heidrun	Strong creeping red fescue	L5
Heriot	Browntop bent	L7 G1
Heritage	Browntop bent	G1
Highland	Highland bent	L7
Highnote	Chewings fescue	L3 G2
Himalaya	Perennial ryegrass	S1 L1
Humboldt	Chewings fescue	L3 G2
Ignite	Creeping bent	G1
Jasperina	Strong creeping red fescue	L5
Joanna	Chewings fescue	L3 G2
Joker	Smooth-stalked meadow-grass	S2 L2
Jolie	Slender creeping red fescue	L4 G3
Jorvik	Browntop bent	L7 G1
Jubilee EG	Perennial ryegrass	S1 L1
Julius	Smooth-stalked meadow-grass	S2 L2
Justice	Tall fescue	S3 L8
Kasinski (LA)	Slender creeping red fescue	G3
Katarina	Chewings fescue	L3 G2
Kokomo	Perennial ryegrass	S1 L1
Laverda	Strong creeping red fescue	L5
Libano	Slender creeping red fescue	L4 G3
Limonica	Perennial ryegrass	S1 L1
Limousine	Smooth-stalked meadow-grass	S2 L2
Linares	Smooth-stalked meadow-grass	S2 L2
Lincolnshire	Smooth-stalked meadow-grass	S2 L2
Livista	Chewings fescue	L3 G2
Lupita (LA)	Perennial ryegrass	S1 L1
Mackenzie	Creeping bent	G1
Magitte	Strong creeping red fescue	L5
Malibu	Perennial ryegrass	L1
Manetto	Hard Fescue	L6 G5
Manor	Browntop bent	L7 G1
Margarita (LA)	Perennial ryegrass	L1
Markus	Smooth-stalked meadow-grass	S2 L2
Masterpiece	Tall fescue	L8
Maxima 1	Strong creeping red fescue	L5
Meandre	Tall fescue	L8
Meara (LA)	Perennial ryegrass	S1 L1
Melbourne	Perennial ryegrass	S1 L1
Mellori	Strong creeping red fescue	L5
Melyane	Tall fescue	S3 L8

Cultivar	Species	Tables
Mentor	Hard Fescue	L6
Mercitwo	Perennial ryegrass	S1 L1 G4
Mezzoforte	Slender creeping red fescue	L4
Miracle	Smooth-stalked meadow-grass	S2 L2
Mirador	Slender creeping red fescue	L4 G3
Mission	Chewings fescue	L3 G2
Mistral	Perennial ryegrass	S1
Monroe	Perennial ryegrass	S1 L1 G4
Musette	Slender creeping red fescue	L4 G3
Musica	Chewings fescue	L3 G2
Musket	Browntop bent	G1
Mystic	Strong creeping red fescue	L5
Nagano	Perennial ryegrass	S1 L1
Nerine (LA)	Perennial ryegrass	S1 L1
Neruda 1	Perennial ryegrass	S1 L1
Nicole	Slender creeping red fescue	L4 G3
Nigella	Slender creeping red fescue	L4 G3
Nikky	Chewings fescue	L3 G2
Nordic	Hard Fescue	L6
Olivia	Chewings fescue	L3 G2
OO7 DSB	Creeping bent	G1
Panduro	Smooth-stalked meadow-grass	S2 L2
Papilio (LA)	Slender creeping red fescue	L4 G3
Pascal	Perennial ryegrass	S1 L1
Passion	Perennial ryegrass	L1
Penelope	Perennial ryegrass	S1 L1
Penn A-1	Creeping bent	L7 G1
Pinafore	Slender creeping red fescue	L4
Platinum	Perennial ryegrass	S1 L1
Polka	Strong creeping red fescue	L5
Pollen	Perennial ryegrass	L1
Ponderosa	Perennial ryegrass	S1 L1
Poseidon	Perennial ryegrass	S1 L1 G4
PowerPlay	Smooth-stalked meadow-grass	S2 L2
Promotor	Perennial ryegrass	S1 L1
Puritan (LA)	Browntop bent	G1
Quatro	Sheep's fescue	L6 G5
Quintet (LA)	Strong creeping red fescue	L5
Raisa	Chewings fescue	L3 G2
Ramona	Chewings fescue	L3 G2
Record	Strong creeping red fescue	L5
Regenerate	Tall fescue	S3
Reggae	Slender creeping red fescue	L4 G3
Relevant	Strong creeping red fescue	L5
RGT Klaxon	Perennial ryegrass	S1 L1
RGT Nuance	Tall fescue	S3 L8
Rhinegold (LA)	Browntop bent	G1
Rihanna (LA)	Smooth-stalked meadow-grass	S2 L2
Riptide	Creeping bent	G1
Rossinante	Strong creeping red fescue	L5 G5
Runa (LA)	Strong creeping red fescue	L5 G5
Ryder	Strong creeping red fescue	L5
Sabrena 1	Rough stalked meadow-grass	M
Samanta	Slender creeping red fescue	L4 G3
Sarolea (LA)	Slender creeping red fescue	L4 G3
Sefton	Browntop bent	L7 G1
Sergei	Strong creeping red fescue	L5
Seroa (LA)	Slender creeping red fescue	G3
Shazam	Perennial ryegrass	S1
Singapore	Perennial ryegrass	S1 L1

Cultivar	Species	Tables
Sirtaky	Perennial ryegrass	S1 L1
Siskin	Chewings fescue	L3 G3
Smirna	Slender creeping red fescue	L4 G3
Sombrero	Smooth-stalked meadow-grass	S2 L2
Starlett	Tall fescue	L8
Stolawn	Perennial ryegrass	S1 L1
Stravinsky	Perennial ryegrass	S1 L1
Teenie	Slender creeping red fescue	L4 G3
Teetop (LA)	Browntop bent	G1
Tetradry (LA)	Perennial ryegrass	S1s
Tetragame (LA)	Perennial ryegrass	S1s
Tetragreen	Perennial ryegrass	S1s
Tetramagic (LA)	Perennial ryegrass	S1s
Tetrasport	Perennial ryegrass	S1s
Tetrastar	Perennial ryegrass	S1s
Tetris	Smooth-stalked meadow-grass	S2 L2
Torsion	Perennial ryegrass	S1 L1
Traction	Smooth-stalked meadow-grass	S2
Traffic	Perennial ryegrass	S1 L1
Trakaj	Tufted hair-grass	S4 L9
Transate	Perennial ryegrass	S1 L1
Transpose	Perennial ryegrass	S1
Tremont	Slender creeping red fescue	G3
Trophy	Chewings fescue	L3 G2
Troy	Browntop bent	G1
Turfgold	Perennial ryegrass	S1 L1
Turfway (LA)	Tall fescue	S3
Tyee	Creeping bent	G1
Valdora	Slender creeping red fescue	L4 G3
Venice	Perennial ryegrass	L1 G4
Vertech	Perennial ryegrass	S1
Vesuvius	Perennial ryegrass	S1 L1
Viktorka	Slender creeping red fescue	L4 G3
Villa 1 (LA)	Velvet bent	L7 G1
Vitagreen (LA)	Velvet bent	G1
Vitellius	Perennial ryegrass	S1 L1
Vivien (LA)	Slender creeping red fescue	L4 G3
Vulcanus	Perennial ryegrass	L1
Wagner 1	Chewings fescue	L3 G2
Yvette	Smooth-stalked meadow-grass	S2 L2
Zenia (LA)	Perennial ryegrass	S1 L1
Zeptor	Smooth-stalked meadow-grass	S2 L2
Zurich	Perennial ryegrass	S1

UK 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@barenbrug.co.uk www.barenbrug.co.uk

DLF/JNS DLF/Johnsons Sports Seed

Top Dawkins Barn, Upper Wardington,
Banbury, Oxon, OX17 1FE
Tel: 0129 758800
E-mail: amenity@dlf.co.uk www.dlf.co.uk

DSV UK Ltd

Top Dawkins Barn, Upper Wardington, Banbury,
Oxon, OX17 1FE
Tel: 0129 758800
E-mail: info@dsv-uk.co.uk

G Germinal GB Ltd.

Camp Road, Witham St Hughs,
Lincoln LN6 9QJ
Tel: 01522 868714, Fax: 01522 868382
E-mail: lincoln@germinal.com www.germinal.com

ICL ICL/Everris

P.O.Box 40-4190 CA Geldermalsen
Koeweistraat 4- 4181 CD Waardenburg
The Netherlands
Tel: 00 31 418 655700
Email: simon.taylor@icl-group.com
www.icl-sf.com

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

RGT RAGT Seeds

Grange Road, Ickleton, Essex CB10 1TA
Tel: 01799 533700
www.ragtseeds.co.uk

RT Rigby Taylor Ltd.

1-3 Freeman Court, Jarman Way,
Royston, Herts SG8 5HW
Tel: 01204 677777, Fax: 01204 677715

SMFR Semences de France

62 rue Léon Beauchamp
59930 La Chapelle d'Armentières, France.
Tel: +33 3204 84141, Fax : +33 3204 84162
E-mail: contact@semences-de-france.fr
www.semencesdefrance.com

SUT Suttons Consumer Products Ltd.

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

TG Top Green

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)

BSPB House
114 Lancashire Way Business Park
Ely, Cambridgeshire
CB6 3NX

Tel: 01353 653200

Fax: 01353 661156

E-mail: enquiries@bspb.co.uk

www.bspb.co.uk



STRI Group

Bingley, West Yorkshire
BD16 1AU

Tel: 01274 565131

Fax: 01274 561891

E-mail: info@strigroup.com

www.strigroup.com



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