

Turfgrass Seed 2019

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.

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 2019 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 2019 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
Europitch	8.0	8.2	8.1	7.5	8.2	7.8	4.1	5.3	5.1	DSV
Eurodiamond	8.1	8.0	8.0	7.1	7.9	6.6	4.0	5.3	5.4	DLF/JNS
EuroCordus	8.0	7.8	7.9	7.5	7.8	6.9	-	5.4	5.4	DSV
Eurosport	7.8	7.8	7.8	7.8	7.6	7.0	-	5.7	5.7	DSV
Monroe	7.6	7.8	7.7	7.7	7.6	8.1	6.3	6.0	6.1	DLF/JNS
Barcristalla	7.8	7.6	7.7	6.9	7.4	7.0	5.6	6.1	7.2	BAR
Cameron (LA)	7.6	7.8	7.7	7.8	7.6	7.9	4.3	5.6	5.7	RT/TG
Baradona (LA)	7.8	7.6	7.7	7.6	7.5	7.1	3.7	5.3	6.0	BAR
Barorlando	7.6	7.5	7.5	6.7	7.5	6.8	6.0	5.5	7.3	BAR
Columbine	7.6	7.5	7.5	7.2	7.0	6.1	5.2	6.2	5.7	DLF/JNS/TG
Anney	7.5	7.5	7.5	7.1	6.9	6.7	4.0	5.7	5.3	LMG
Angelina (LA)	7.5	7.5	7.5	7.7	7.7	6.9	6.1	5.0	5.7	RT/TG
Baromario	7.5	7.5	7.5	6.9	7.8	7.4	5.5	5.6	6.1	BAR
Chloe (LA)	7.3	7.6	7.5	7.2	7.3	7.5	5.4	5.5	5.5	DLF
Barlicum	7.3	7.6	7.4	6.5	7.5	7.7	2.9	5.5	5.1	BAR
Berlioz 1	7.4	7.4	7.4	6.8	7.3	6.1	5.5	5.7	5.4	DLF/TG
Poseidon	7.5	7.2	7.4	7.0	7.1	6.1	5.3	5.1	5.1	RT/TG
Gladys	7.3	7.4	7.3	7.5	7.2	7.3	5.5	5.2	5.2	DLF
Chardin	7.2	7.4	7.3	6.6	7.4	7.6	6.0	5.2	5.0	DLF/JNS
Eugenius	7.4	7.2	7.3	6.6	7.5	6.6	4.5	5.3	5.2	G
Carnac	7.1	7.5	7.3	7.4	6.9	6.7	6.5	6.0	5.8	G/SMFR
Cyrena	7.3	7.3	7.3	7.3	7.1	6.3	6.3	5.1	5.8	LMG
Melbourne	7.2	7.3	7.3	6.7	7.4	7.1	6.8	5.4	5.5	LMG
Estelle	7.1	7.4	7.3	7.7	7.5	7.5	6.1	5.6	4.9	RT/TG
Aniston	7.3	7.3	7.3	7.6	7.1	7.8	4.1	5.7	6.0	DLF/JNS
EG Resistus	7.2	7.3	7.3	6.9	7.2	7.6	5.4	5.8	5.8	DSV
Calico	7.2	7.3	7.3	7.8	7.0	6.9	-	5.4	6.3	G/SMFR
Eventus	7.2	7.3	7.2	7.5	7.6	8.1	5.4	5.4	5.7	DSV/BAR
Vesuvius	7.1	7.4	7.2	7.2	7.2	6.4	6.0	5.0	5.5	G
Eurocool (LA)	7.1	7.3	7.2	6.6	7.5	7.1	5.2	4.9	6.2	DSV
Barolympic	7.1	7.2	7.2	7.2	7.2	7.3	-	4.2	4.9	BAR
Vitellius	7.2	7.2	7.2	7.2	6.7	6.0	6.3	5.9	6.1	G
Cadix	6.9	7.4	7.2	7.5	6.9	7.1	5.4	5.8	5.8	G/SMFR
Gianna	7.1	7.2	7.2	7.4	7.1	7.0	5.4	5.1	5.5	RT/TG
Lupita	7.1	7.2	7.2	7.0	7.2	7.8	4.9	5.4	5.4	DLF
Duparc	7.0	7.3	7.2	7.2	6.6	6.7	7.3	5.1	5.2	RT/TG
Himalaya	7.2	7.1	7.1	7.5	7.0	6.3	4.1	5.6	5.9	DLF/LMG
Nerine (LA)	7.1	7.2	7.1	7.0	7.3	7.1	4.2	5.1	6.0	DLF
Promotor	7.1	7.1	7.1	7.4	6.8	6.2	4.9	5.1	5.8	G
Bizet 1	7.0	7.2	7.1	7.5	5.8	5.8	6.9	5.9	6.3	DLF/JNS
Alison	7.1	7.1	7.1	7.1	7.4	7.9	-	5.5	5.7	LMG
Beckham	7.1	7.0	7.1	7.0	6.6	6.4	-	5.3	4.9	DSV
Cleopatra	7.1	6.9	7.0	7.3	6.7	5.9	6.7	4.9	5.3	DLF
Nagano	7.0	7.0	7.0	7.4	6.4	6.1	5.3	5.2	5.1	LMG
Claudine	7.0	7.0	7.0	6.5	7.1	7.0	-	5.4	6.2	DLF
Bareuro	6.9	7.0	7.0	7.3	6.7	6.4	5.4	5.3	5.6	BAR
Montacilla (LA)	6.8	7.1	6.9	6.9	7.0	7.7	5.4	5.5	5.8	DLF
Dickens 1	6.8	7.0	6.9	6.8	7.9	7.3	5.9	5.1	5.3	DLF/JNS
Hayley (LA)	6.8	6.9	6.8	6.9	6.7	6.7	-	5.6	6.0	RT/TG
Meara	6.9	6.8	6.8	6.6	6.9	7.1	6.0	5.2	5.6	DLF
Bellini 1	6.8	6.8	6.8	6.1	6.3	5.9	5.1	5.6	5.5	DLF
Singapore (LA)	6.7	6.8	6.8	7.1	7.0	7.5	7.0	5.5	5.2	LMG
Mercitwo	6.7	6.7	6.7	6.8	6.1	6.6	5.9	5.2	5.1	RT/TG
Penelope (LA)	6.7	6.7	6.7	7.0	7.3	7.7	4.0	5.3	5.3	DLF
Hugo 1	6.6	6.8	6.7	6.7	5.0	5.2	5.3	5.5	5.7	DLF/TG
Greensky	6.7	6.7	6.7	6.7	6.7	6.2	5.9	5.4	5.2	RT/TG
Vertech	6.7	6.7	6.7	6.2	6.3	6.9	4.8	5.7	6.4	G
Barsignum	6.7	6.6	6.7	6.2	7.1	7.8	5.4	5.3	6.3	BAR

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
Bargold	6.4	6.7	6.5	6.9	7.1	7.9	6.1	5.5	5.4	BAR
Clementine	6.5	6.6	6.5	6.9	6.7	7.3	5.9	5.5	5.5	DLF/JNS/TG
Barillion	6.6	6.4	6.5	6.1	6.8	5.6	6.4	5.6	6.3	BAR
Concerto (LA)	6.4	6.6	6.5	7.0	6.0	5.1	5.9	6.1	5.8	
Greenway	6.5	6.5	6.5	6.0	6.5	7.1	6.1	6.2	5.8	SUT/TG
Lourega	6.6	6.3	6.5	5.9	6.2	5.0	7.0	6.5	6.8	DSV
RGT Klaxon (LA)	6.4	6.4	6.4	6.4	6.6	6.6	6.7	5.7	5.9	
Alboka	6.4	6.4	6.4	6.4	6.9	6.7	7.6	6.6	6.6	BAR
Fandango	6.4	6.4	6.4	6.5	6.2	5.7	5.9	6.1	6.1	BAR
Greenglide	6.5	6.3	6.4	6.1	6.0	5.7	5.0	5.3	5.1	DLF
Barlennium	6.5	6.3	6.4	5.4	6.0	5.3	5.9	7.8	7.8	BAR
Transate	6.4	6.2	6.3	5.8	6.3	5.8	7.2	5.9	6.2	DSV
Ceretek Centurion	6.4	6.2	6.3	5.7	6.1	5.7	5.0	7.3	7.1	PGW
Flamenco	6.4	6.2	6.3	5.8	6.3	6.4	5.3	5.9	5.9	BAR
Stolawn	6.2	6.4	6.3	5.7	6.3	5.9	6.2	6.3	6.1	RT/TG
Escapade	6.1	6.4	6.3	6.7	6.5	7.8	4.6	5.9	5.5	G/SMFR
Ponderosa	6.4	6.1	6.3	5.8	6.3	5.5	5.3	6.7	5.9	LMG
Zenia (LA)	6.1	6.3	6.2	6.2	6.4	6.5	-	5.0	5.6	DLF
Bardorado	6.3	6.1	6.2	5.8	6.0	5.1	6.8	5.0	5.5	BAR
Essence	6.4	6.0	6.2	5.2	6.6	6.3	4.7	6.4	5.8	DLF
Galleon	6.2	6.2	6.2	4.7	5.9	5.3	6.8	8.4	8.2	G
Barprrium	6.1	6.1	6.1	7.0	6.8	7.2	6.1	5.0	7.1	BAR
Platinum	6.4	5.8	6.1	5.6	5.3	4.9	5.6	7.2	6.4	DLF
Mistral	6.0	6.2	6.1	5.3	5.5	5.6	6.7	8.2	8.0	ICL
Alyssa (LA)	6.0	6.1	6.0	6.3	6.7	7.1	5.4	5.5	5.4	DLF
Sirtaky	6.1	5.9	6.0	6.3	6.4	6.4	6.3	5.9	5.5	BAR
Stravinsky	6.2	5.7	6.0	5.4	5.7	4.8	6.6	8.4	8.1	DLF
Agreement	6.0	6.0	6.0	5.4	6.2	5.6	5.4	6.3	6.2	G
Antonella	6.1	5.8	6.0	6.4	5.9	6.6	-	5.7	6.3	RT/TG
Pascal	6.0	5.9	5.9	5.7	6.1	5.6	6.1	6.2	6.4	DSV
Jubilee EG	6.0	5.8	5.9	5.8	5.9	5.5	5.5	6.1	6.5	DSV
Limonica	5.9	5.7	5.8	5.5	5.3	5.0	6.4	7.4	7.4	DSV
Esquire	5.9	5.6	5.8	5.3	5.4	4.9	6.0	6.9	7.0	DLF
Traffic	5.7	5.8	5.7	6.3	5.9	6.6	5.9	5.5	5.9	DSV
Fancy	5.9	5.5	5.7	4.6	5.2	5.3	6.0	6.6	5.7	FF
Turfgold	5.7	5.7	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	6.9	8.6	8.2	DLF/LMG
Neruda 1	5.8	5.3	5.5	5.2	4.8	5.0	6.7	8.6	8.0	DLF/TG
New Cultivars										
Torsion	6.6	6.5	6.6	6.3	6.8	6.4	-	7.6	8.7	ICL
Shazam	6.3	6.4	6.4	6.9	7.5	7.4	5.9	5.4	5.9	BAR
Zurich	6.4	6.2	6.3	5.5	6.4	5.6	4.7	6.0	5.5	G

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	6.3	6.5	6.7	5.6	5.4	6.1	6.5	6.8	DLF/JNS/TG
Tetragame (LA)	5.8	5.5	5.7	5.5	4.9	4.7	7.3	6.8	7.4	DLF/TG
Tetramagic (LA)	5.4	5.3	5.4	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	4.1	3.5	7.9	7.7	7.6	DLF/JNS
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
New Cultivars										
Tetrastar (LA)	6.2	5.9	6.1	6.1	6.2	5.6	7.7	7.4	8.2	TG

LA = Limited availability

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
Rihanna (LA)	7.7	7.8	7.8	7.5	7.7	6.9	4.7	6.0	6.2	LMG
Traction	7.5	7.9	7.7	8.1	7.9	7.6	4.5	5.1	5.3	ICL
Becca (LA)	7.6	7.7	7.6	7.4	7.7	8.2	4.9	5.3	6.4	LMG
Julius	7.4	7.5	7.5	7.6	7.2	6.4	5.2	5.3	5.2	DLF
Harmonie	7.3	7.2	7.2	7.2	7.2	7.3	5.4	6.1	6.1	DLF/TG
Bariris	7.1	7.2	7.1	6.5	6.9	6.5	5.2	6.5	5.8	BAR
Joker	7.1	7.2	7.1	7.0	7.3	7.6	6.1	6.0	6.0	DSV
Sombrero	7.0	7.2	7.1	7.1	7.3	7.1	5.0	5.9	6.1	DLF/JNS
Greenplay	7.0	7.2	7.1	7.4	7.3	7.1	5.4	5.7	5.7	RT/TG
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	7.4	7.5	5.3	5.3	6.0	DSV
Lincolnshire	6.8	7.2	7.0	7.4	7.0	7.1	4.5	6.4	5.0	DLF
Barhelene	7.0	7.0	7.0	7.5	7.3	7.3	5.4	5.2	5.7	BAR
Panduro	6.8	6.9	6.9	6.3	6.4	5.9	5.8	6.8	5.7	DLF
PowerPlay	6.8	6.9	6.8	6.8	6.8	6.8	6.9	5.1	7.2	DSV
Touche	6.5	6.8	6.7	6.6	6.3	6.0	6.2	7.6	5.9	BAR
Tetris	6.4	6.8	6.6	7.0	6.9	7.6	6.3	7.8	7.2	G
Aramintha (LA)	6.6	6.6	6.6	6.3	6.5	6.8	6.3	5.4	5.7	DLF
Dakisha	6.5	6.7	6.6	6.9	6.2	5.6	5.5	5.6	5.6	DLF
Yvette	6.6	6.6	6.6	6.1	6.7	6.7	6.6	6.1	5.8	LMG
Enigma	6.3	6.4	6.3	6.2	6.3	6.2	6.5	7.6	6.7	ICL
Cocktail	6.2	6.4	6.3	5.8	6.7	6.5	6.6	6.1	5.3	LMG
Mozart 1	6.2	6.4	6.3	5.7	6.2	5.6	7.3	5.7	4.6	DLF
Miracle	5.9	5.9	5.9	5.3	6.0	5.5	6.9	5.4	6.7	DLF
Conni	5.6	5.7	5.6	5.8	6.1	6.3	5.6	6.2	5.9	DLF
Markus	5.0	5.2	5.1	5.8	4.7	5.8	6.9	5.5	5.1	DSV
Evora	4.9	4.8	4.8	4.7	4.3	4.6	6.2	6.3	6.6	DLF
Zeptor	4.6	4.8	4.7	4.7	4.4	4.5	7.3	6.5	4.7	DSV

LA = Limited availability

Series S Sports Uses (Mown at 25mm)

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
Greenbrooks	7.7	7.6	7.6	7.5	7.6	6.7	6.5	6.9	RT/TG
Justice	7.0	6.8	6.9	6.3	6.2	5.7	6.6	6.6	BAR
RGT Nuance	6.7	7.1	6.9	6.3	7.1	7.4	4.1	4.1	
Barcesar	6.7	6.7	6.7	6.7	7.2	7.2	5.2	5.0	BAR
Debussy 1	6.5	6.6	6.6	6.3	6.5	6.1	6.8	7.0	DLF/JNS
Melyane	6.3	6.4	6.4	6.2	7.0	7.1	5.3	5.1	DSV
Grande II	6.2	6.0	6.1	5.4	6.2	6.1	6.6	6.7	RT/TG
Barlexas II	5.6	5.7	5.7	5.3	5.5	6.0	6.6	6.9	BAR
New Cultivars									
Turfway	8.1	7.9	8.0	7.6	7.8	7.1	8.3	7.3	TG
Foxhound	7.5	7.7	7.6	7.1	7.6	7.6	7.9	7.2	DLF
Essential	7.2	7.3	7.2	6.5	7.4	7.1	6.3	6.7	TG
Armani	7.1	7.3	7.2	7.9	6.2	7.2	4.8	3.7	RT/TG
Granditte	6.7	6.8	6.8	6.5	6.6	6.6	6.8	7.0	TG

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
Barxera	7.1	7.2	7.1	7.9	6.7	7.1	6.0	5.8	5.9	BAR
Barcampisia	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

LA = Limited availability

- = 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	Fineness of Leaf	Slow Regrowth	Visual Merit	Mean	Resistance to Red Thread	Cleaness 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 (LA)	7.6	7.3	8.5	7.5	7.7	6.0	7.8	5.1	5.6	RT/TG
Penelope (LA)	7.5	8.0	7.8	7.5	7.7	4.5	7.4	5.5	5.7	DLF
Baradona (LA)	7.8	7.4	7.6	7.8	7.7	4.6	7.4	5.2	6.1	BAR
Cameron (LA)	7.8	7.8	7.0	7.9	7.6	5.8	7.6	5.1	6.2	RT/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
Montacilla (LA)	7.6	7.6	6.0	7.6	7.2	6.5	6.9	5.5	5.8	DLF
Biarritz (LA)	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	RT/TG
Francesca (LA)	7.0	7.3	7.5	6.8	7.1	5.4	6.4	5.2	5.8	DLF
RG T Klaxon (LA)	7.8	6.9	6.0	7.6	7.1	8.3	6.8	5.6	5.7	
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 (LA)	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	DLF
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

Table L1
Continued

Cultivar	Shoot Density	Fitness of Leaf	Slow Regrowth	Visual Merit	Mean	Resistance to Red Thread	Cleaness of Cut	Winter Greenness	Summer Greenness	UK Agent
Calico	7.1	7.0	5.5	7.1	6.7	4.9	5.6	5.7	6.3	G/SMFR
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	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	DLF
Promotor	6.4	6.5	6.6	6.5	6.5	6.3	6.1	4.9	5.7	G
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
Vermillion	6.7	6.4	5.8	6.8	6.4	5.8	5.7	5.8	5.7	ICL
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
Pontiac	6.5	5.7	6.9	6.1	6.3	5.5	6.7	4.8	6.1	LMG
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
Libronco	5.8	5.7	6.7	5.6	5.9	6.4	6.0	7.1	6.6	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	
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
Taya	4.7	5.0	5.1	5.0	4.9	6.3	5.4	4.9	5.1	DLF

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
New Cultivars										
Barprrium	7.7	7.4	8.3	8.0	7.9	7.1	-	5.2	6.5	BAR
Singapore (LA)	7.9	7.9	6.1	8.0	7.5	6.7	-	4.9	5.3	LMG
Meara	7.5	7.4	7.3	7.4	7.4	6.0	-	5.2	6.0	DLF
Lupita	7.9	7.9	5.4	7.8	7.3	7.0	-	5.6	6.0	DLF
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/JNS	
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	DLF	
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	
Harmonie	7.9	7.3	5.4	7.9	7.1	5.9	6.0	5.2	DLF/TG	
Yvette	7.3	7.3	6.6	7.3	7.1	7.2	6.0	5.5	LMG	
Arende (LA)	7.4	7.0	6.5	7.3	7.1	6.7	5.7	5.6	DLF	
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	
Mozart 1	7.0	6.8	5.0	7.1	6.5	6.3	6.3	5.6	DLF	
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	
Touche	6.0	5.5	5.3	6.0	5.7	6.4	7.6	5.6	BAR	
Bariris	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	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
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 (LA)	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
Melitta	6.2	6.3	6.3	6.4	5.9	6.0	DSV
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							
Antoinette	7.2	7.0	7.1	6.2	5.8	6.2	DSV

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
Barprince	7.3	7.6	7.5	7.8	5.5	5.1	BAR
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
Borluna	7.2	7.0	7.1	5.9	7.0	7.1	G
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
Tremont	6.8	6.9	6.9	6.7	5.7	5.6	DSV
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
Turner 1	6.6	6.6	6.6	5.8	5.7	6.7	RT/TG
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
Helena	5.7	5.7	5.7	4.9	5.8	5.5	RT/TG
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	6.9	6.6	6.7	5.3	5.4	7.0	DLF
Teenie (LA)	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 (LA)	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
Barrisse	5.8	6.0	5.9	6.6	5.9	5.2	BAR
Hastings (LA)	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
Hightower	5.6	5.4	5.5	4.7	4.0	8.2	DSV
Sergei	5.5	5.4	5.4	5.9	5.5	5.8	DLF/BAR
Carmaniole	5.5	5.3	5.4	6.2	6.8	6.0	G/SMFR
Mellori	5.3	5.3	5.3	4.6	7.5	6.8	DSV
Clemens (LA)	5.1	5.3	5.2	4.4	5.4	5.3	DLF
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	G/SMFR
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	
Bossanova	5.0	4.9	4.9	5.4	6.8	5.3	BAR
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
Herald	4.6	4.8	4.7	4.1	6.2	5.9	DLF
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
Livision	4.1	4.2	4.2	4.0	5.7	6.1	DSV
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							
Record (LA)	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	LMG
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
Pebbles	6.0	5.9	5.9	5.2	8.1	5.5	DLF
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* spp)

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/JNS
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	RT/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
Aretta	5.9	6.3	6.7	6.3	5.2	6.3	5.3	LMG
Denso (LA)	5.9	6.1	6.2	6.1	6.4	6.4	7.0	DLF
Tiger Nova (LA)	5.8	5.5	6.0	5.8	6.1	6.1	7.1	DLF
New Cultivars								
Europutt	5.5	5.6	5.6	5.6	7.0	9.1	9.5	DSV
<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 (LA)	5.6	5.5	5.3	5.4	6.7	5.6	5.6	ICL

LA = Limited availability

Table L7
Continued

Cultivar	Shoot Density	Fineness of Leaf	Visual Merit	Mean	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Velvet bent (<i>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

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	
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
Beagle 1 (LA)	6.6	6.3	6.3	6.4	6.4	6.6	7.1	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
Divyna	6.2	6.0	5.7	5.8	5.9	5.1	5.0	DSV
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
Barxera	6.1	5.4	6.3	6.7	6.1	6.4	3.6	5.1	BAR
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	Fitness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Browntop bent (<i>Agrostis capillaris</i>)								
Charles	7.7	7.6	7.6	7.2	-	5.0	6.0	BAR
Arrowtown	7.0	7.2	7.1	6.8	6.1	4.7	6.0	DLF/JNS
Cleek (LA)	7.0	7.1	7.0	6.3	-	4.8	5.9	DLF
Manor	6.8	6.9	6.9	6.5	5.5	5.7	5.6	DLF/JNS
BarkKing	6.4	7.0	6.7	6.5	5.8	7.2	5.9	BAR
AberRegal	6.5	6.8	6.7	6.4	6.4	7.1	6.6	G
Egmont	6.6	6.7	6.7	6.2	6.1	6.6	6.5	RT/TG
Heriot	6.5	6.8	6.7	6.8	5.6	6.4	6.2	BAR
Sefton	6.5	6.8	6.6	6.7	5.1	5.5	5.1	LMG
AberRoyal	6.4	6.6	6.5	6.4	5.9	6.9	6.5	G
Troy	6.4	6.5	6.4	6.1	6.4	5.9	6.5	LMG
Jorvik	6.4	6.4	6.4	6.4	5.0	6.5	7.4	DLF
Arietta	5.9	6.2	6.0	7.0	5.1	6.1	5.5	LMG
Polana	5.5	5.9	5.7	5.0	6.3	6.6	6.2	DLF
New Cultivars								
Heritage	6.6	6.7	6.6	5.9	-	6.2	7.1	ICL
Teetop (LA)	6.7	6.5	6.6	6.2	-	4.2	5.9	DLF
Europutt	5.4	5.5	5.4	5.2	-	8.0	9.9	DSV
Creeping bent (<i>Agrostis stolonifera</i>)								
Cobra nova	6.7	6.8	6.7	6.6	6.1	7.5	6.1	DLF/JNS
OO7 DSB	6.5	6.5	6.5	6.5	6.0	7.1	5.5	G
CY2	6.3	6.4	6.4	5.6	5.8	6.3	4.9	DLF
Mackenzie	6.4	6.2	6.3	6.3	5.2	6.6	5.5	DSV
Ignite	6.2	6.2	6.2	6.3	-	7.1	5.5	BAR
Tyee	6.1	6.0	6.0	5.8	6.2	6.6	5.4	G
Penn A-1 (LA)	5.9	5.9	5.9	5.9	6.4	6.9	5.7	ICL
Skyfall	6.0	5.7	5.8	6.1	6.3	4.8	5.0	BARNL/SR
New Cultivars								
Riptide	6.8	7.0	6.9	6.9	-	5.9	5.1	ICL
Velvet bent (<i>Agrostis canina</i>)								
Villa 1 (LA)	8.2	7.5	7.9	7.8	3.9	5.7	7.0	DLF/JNS
Vitagreen (LA)	8.0	7.7	7.9	8.1	-	6.3	6.8	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	8.1	8.2	7.4	7.2	5.7	BAR
EuroCarina	7.9	7.8	7.8	5.4	6.6	6.5	DSV
Ramona	7.7	7.8	7.7	7.0	6.4	6.4	DSV
Gima (LA)	7.6	7.8	7.7	5.4	6.1	6.1	DLF/JNS
Bodega	7.7	7.7	7.7	6.8	6.4	6.4	BAR
Humboldt	7.7	7.5	7.6	6.8	6.8	6.7	DLF/JNS
Bargreen II	7.5	7.5	7.5	6.6	6.2	5.9	BAR
Nikky	7.6	7.4	7.5	5.5	7.2	7.3	LMG
Musica	7.5	7.5	7.5	6.1	6.0	6.6	BAR
Greensleeves	7.5	7.4	7.4	6.7	6.3	6.2	RT/TG
Siskin	7.3	7.4	7.3	7.0	6.0	7.8	DLF/JNS
Annalena	7.4	7.2	7.3	3.9	7.5	7.8	DSV
Eurocrown	7.1	7.2	7.1	6.7	6.5	6.2	DSV
Esparina (LA)	7.1	7.0	7.1	6.8	6.6	8.0	DLF
Caldris	7.1	7.0	7.0	6.2	5.6	5.9	LMG
Highnote (LA)	7.1	6.9	7.0	5.0	6.5	6.6	G
Barchip	6.9	6.9	6.9	6.0	7.3	7.6	BAR
Katarina	6.9	6.7	6.8	5.1	7.1	7.0	DSV
Greenmile	6.6	6.8	6.7	7.1	6.4	6.8	TG
Belleaire	6.5	6.9	6.7	4.5	6.4	6.3	SUT/TG
Mission	6.7	6.7	6.7	5.6	8.2	7.8	DSV
Barswing	6.7	6.4	6.6	7.5	6.4	6.0	BAR
Melitta	6.5	6.6	6.6	6.7	6.2	6.2	DSV
Fulmar	6.6	6.5	6.6	6.4	5.1	6.2	DLF
Calliope	6.8	6.3	6.6	4.9	5.2	5.7	TG/DLF
Dorianna	6.4	6.7	6.5	7.4	6.3	6.3	DSV
Wagner 1	6.5	6.4	6.5	6.0	6.5	7.5	DLF
Joanna	6.4	6.2	6.3	4.2	7.9	7.5	G
Blenheim	6.4	6.2	6.3	6.3	6.1	6.6	DLF/JNS
Brahms	6.2	6.3	6.3	5.7	7.0	5.9	RT/TG
Olivia	6.2	6.1	6.1	5.4	5.6	5.6	DSV
Raisa	6.4	5.8	6.1	5.5	5.6	5.3	DSV
Excellence	6.0	6.2	6.1	6.1	7.0	7.1	DSV
Trophy	5.8	6.2	6.0	6.6	5.5	6.0	DLF/LMG
Capriccio	6.1	5.9	6.0	6.3	4.8	6.1	DLF
Livista	5.9	5.4	5.7	6.0	5.3	5.8	DSV
New Cultivars							
Dancing (LA)	7.9	7.8	7.9	5.3	6.4	6.3	BAR
Filius	7.9	7.6	7.7	4.6	6.1	5.8	DSV
Bogart	7.6	7.7	7.6	6.1	5.3	5.6	DLF
Antoinette	6.7	6.7	6.7	5.6	7.1	6.0	DSV

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
Cathy (LA)	7.7	7.8	7.7	6.5	4.8	5.5	LMG
Viktorka	7.7	7.6	7.6	7.8	6.1	7.1	BAR
Cezanne	7.5	7.7	7.6	6.4	5.8	6.3	DLF/JNS
Barcrown	7.7	7.3	7.5	8.4	5.9	6.4	BAR
Charlotte	7.4	7.5	7.5	5.6	5.6	5.9	DSV
Nigella	7.3	7.7	7.5	7.7	5.5	6.3	DLF/JNS
Aporina	7.3	7.6	7.4	6.6	6.2	5.5	LMG
Beudin	7.4	7.5	7.4	6.7	5.8	5.3	DLF/JNS/TG
Papilio (LA)	7.3	7.5	7.4	6.9	6.0	5.4	DLF
Barswilcan (LA)	7.4	7.2	7.3	7.6	4.3	5.0	BAR
Turner 1	7.1	7.3	7.2	5.4	6.1	6.5	RT/TG
Valdora	7.0	7.1	7.1	6.3	5.4	5.7	DLF
Barpearl	6.9	7.1	7.0	8.1	6.1	6.1	BAR
EuroMarie	7.0	7.0	7.0	4.8	7.1	6.1	DSV
Reggae	6.9	7.0	6.9	4.0	6.2	5.6	BAR
Finesto	6.8	6.9	6.8	5.9	5.3	5.3	DLF
AberCharm	7.0	6.5	6.8	4.8	6.8	8.0	G
Tremont	6.7	6.6	6.7	4.9	5.2	5.3	DSV
Musette	6.7	6.6	6.6	4.6	6.3	6.1	BAR
Mirador	6.6	6.6	6.6	7.5	4.7	5.5	G
Archibal	6.4	6.7	6.6	6.2	5.3	6.4	DLF
Cathrine	6.6	6.5	6.6	5.9	8.1	8.1	DSV
Borluna	6.1	6.4	6.3	6.1	5.6	7.7	G
Nicole	6.2	6.2	6.2	5.2	6.2	6.0	DSV
Javelin	6.0	6.2	6.1	7.5	5.1	5.9	DSV
Smirna	5.9	5.9	5.9	5.8	5.6	5.4	LMG/DLF
Libano	5.7	5.5	5.6	5.4	6.0	5.8	DSV
Samanta	5.1	5.4	5.2	5.6	5.8	5.3	DLF
New Cultivars							
Absolom (LA)	7.7	8.1	7.9	8.3	4.0	4.5	DLF/JNS
Brumana (LA)	7.6	7.9	7.8	7.0	5.6	5.8	RT/TG
Gillet	7.1	7.5	7.3	5.1	5.4	6.6	DLF
Sarolea (LA)	7.2	7.3	7.3	6.0	5.8	6.5	DLF
Kasinski	6.9	7.0	6.9	6.6	7.9	7.9	DLF
Vivien (LA)	6.6	6.7	6.7	5.6	6.8	7.7	LMG
Jolie	6.7	6.2	6.4	6.6	7.0	6.9	DSV

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	Finess of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Barolympic	8.5	8.7	8.6	8.2	6.9	4.0	4.1	BAR
Clementine	7.6	7.5	7.6	6.7	6.3	5.8	5.7	DLF/JNS/TG
Cabrio	7.3	7.5	7.4	8.2	4.9	5.5	6.1	G/SMFR
Barsignum	7.2	7.1	7.1	7.0	6.4	6.1	7.1	BAR
Monroe	6.7	7.1	6.9	7.0	6.2	6.5	6.8	DLF/JNS
Dickens 1	6.8	7.0	6.9	6.4	6.3	5.6	5.2	DLF/JNS
Bargold	6.7	6.9	6.8	7.1	5.8	6.5	6.1	BAR
Cyrena	6.4	6.5	6.4	5.5	7.3	5.5	5.4	LMG
Gianna	6.3	6.3	6.3	5.8	6.4	5.4	6.1	RT/TG
Escapade	6.5	6.1	6.3	6.6	6.6	6.5	6.6	G/SMFR
Antonella	6.2	6.1	6.1	6.3	6.4	6.1	7.1	RT/TG
Poseidon	6.1	6.0	6.1	5.5	4.9	5.0	5.7	RT/TG
Chardin	6.0	6.0	6.0	6.3	5.1	4.1	5.0	DLF/JNS
Greenway	5.6	5.8	5.7	5.9	4.8	6.4	6.1	SUT/TG
Dylan	5.3	5.4	5.4	5.5	5.9	6.2	5.3	DLF/TG
Columbine	5.3	5.2	5.2	5.4	3.2	7.2	6.6	DLF/JNS/TG
Venice	5.1	5.0	5.1	5.3	5.9	4.8	5.5	LMG
Mercitwo	5.0	4.9	5.0	5.2	6.8	5.4	5.6	RT/TG
New Cultivars								
Estelle	7.0	7.1	7.0	6.8	-	5.4	3.7	RT/TG
Chloe (LA)	6.7	6.6	6.7	6.8	-	5.6	4.9	DLF
Montacilla (LA)	6.8	6.5	6.6	7.1	-	5.9	5.4	DLF

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
<i>Hard fescue (Festuca longifolia)</i>							
Manetto	7.0	6.3	6.6	6.9	7.2	7.5	DLF/JNS
Hardtop	6.4	6.2	6.3	6.8	7.5	6.7	BAR
<i>Sheep's fescue (Festuca ovina)</i>							
Quatro	7.6	7.4	7.5	7.0	6.9	7.2	DLF/JNS
<i>Strong creeping red fescue (Festuca rubra rubra)</i>							
Rossinante	5.9	6.2	6.1	5.6	5.4	5.3	DLF/JNS
Barrissee	6.0	6.0	6.0	-	5.1	4.9	BAR

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)

Miscellaneous

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)	-	5.5	8.1	4.7	7.2	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	Cultivar	Species	Tables
AberCharm	Slender creeping red fescue	L4 G3	Barsignum	Perennial ryegrass	S1 L1 G4
AberFleece	Sheep's fescue	L6	Barswilcan (LA)	Slender creeping red fescue	L4 G3
AberRegal	Browntop bent	L7 G1	Barswing	Chewings fescue	L3 G2
AberRoyal	Browntop bent	G1	Barustic	Strong creeping red fescue	L5
Absolom (LA)	Slender creeping red fescue	L4 G3	Barxera	Tufted hair-grass	S4 L9
Agreement	Perennial ryegrass	S1	Beagle 1 (LA)	Tall fescue	L8
Alboka	Perennial ryegrass	S1 L1	Becca (LA)	Smooth-stalked meadow-grass	S2 L2
Alison	Perennial ryegrass	S1 L1	Beckham	Perennial ryegrass	S1 L1
Alyssa (LA)	Perennial ryegrass	S1 L1	Belleaire	Chewings fescue	L3 G2
Angelina (LA)	Perennial ryegrass	S1 L1	Bellevue	Perennial ryegrass	L1
Aniston	Perennial ryegrass	S1 L1	Bellini 1	Perennial ryegrass	S1 L1
Annalena	Chewings fescue	L3 G2	Berlioz 1	Perennial ryegrass	S1 L1
Annecy	Perennial ryegrass	S1 L1	Beudin	Slender creeping red fescue	L4 G3
Antoinette	Chewings fescue	L3 G2	Biarritz (LA)	Perennial ryegrass	L1
Antonella	Perennial ryegrass	S1 L1 G4	Bizet 1	Perennial ryegrass	S1 L1
Aporina	Slender creeping red fescue	L4 G3	Blenheim	Chewings fescue	L3 G2
Aramintha (LA)	Smooth-stalked meadow-grass	S2 L2	Bodega	Chewings fescue	L3 G2
Archibal	Slender creeping red fescue	L4 G3	Boganis (LA)	Rough stalked meadow-grass	M
Arende (LA)	Smooth-stalked meadow-grass	L2	Bogart	Chewings fescue	L3 G2
Arietta	Browntop bent	L7 G1	Boreal	Strong creeping red fescue	L5
Armani	Tall fescue	S3	Borluna	Slender creeping red fescue	L4 G3
Arrowtown	Browntop bent	L7 G1	Bossanova	Strong creeping red fescue	L5
Baradona (LA)	Perennial ryegrass	S1 L1	Brahms	Chewings fescue	L3 G2
Barcampsia	Tufted hair-grass	S4 L9	Brumana (LA)	Slender creeping red fescue	L4 G3
Barcesar	Tall fescue	S3 L8	Cabarette (LA)	Strong creeping red fescue	L5
Barchip	Chewings fescue	L3 G2	Cabrio	Perennial ryegrass	L1 G4
Barcristalla	Perennial ryegrass	S1 L1	Cadix	Perennial ryegrass	S1 L1
Barcrown	Slender creeping red fescue	L4 G3	Caldris	Chewings fescue	L3 G2
Bardorado	Perennial ryegrass	S1	Calico	Perennial ryegrass	S1 L1
Bareuro	Perennial ryegrass	S1 L1	Calliope	Chewings fescue	L3 G2
Bargold	Perennial ryegrass	S1 L1 G4	Cameron (LA)	Perennial ryegrass	S1 L1
Bargreen	Chewings fescue	L3	Camilla	Strong creeping red fescue	L5
Bargreen II	Chewings fescue	L3 G2	Capriccio	Chewings fescue	L3 G2
Barhelene	Smooth-stalked meadow-grass	S2 L2	Carmaniole	Strong creeping red fescue	L5
Barillion	Perennial ryegrass	S1	Carnac	Perennial ryegrass	S1 L1
Bariris	Smooth-stalked meadow-grass	S2 L2	Cathrine	Slender creeping red fescue	L4 G3
BarKing	Browntop bent	L7 G1	Cathy (LA)	Slender creeping red fescue	L4 G3
Barlennium	Perennial ryegrass	S1 L1	Ceretec Centurion	Perennial ryegrass	S1
Barlexas II	Tall fescue	S3 L8	Cezanne	Slender creeping red fescue	L4 G3
Barlicum	Perennial ryegrass	S1 L1	Chardin	Perennial ryegrass	S1 L1 G4
Barlineus	Chewings fescue	L3 G2	Charles	Browntop bent	L7 G1
Barmalia	Slender creeping red fescue	L4	Charlotte	Slender creeping red fescue	L4 G3
Barminton	Perennial ryegrass	L1	Chloe (LA)	Perennial ryegrass	S1 L1 G4
Barolympic	Perennial ryegrass	S1 L1 G4	Claudine	Perennial ryegrass	S1 L1
Baromario	Perennial ryegrass	S1 L1	Cleek (LA)	Browntop bent	L7 G1
Barorlando	Perennial ryegrass	S1 L1	Clemens (LA)	Strong creeping red fescue	L5
Barpearl	Slender creeping red fescue	L4 G3	Clementine	Perennial ryegrass	S1 L1 G4
Barprince	Slender creeping red fescue	L4	Cleopatra	Perennial ryegrass	S1 L1
Barprrium	Perennial ryegrass	S1 L1	Cobra nova	Creeping bent	G1
Barrisse	Strong creeping red fescue	L5 G5	Cocktail	Smooth-stalked meadow-grass	S2 L2

Cultivar	Species	Tables
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
Crystal	Hard Fescue	L6
CY2	Creeping bent	G1
Cyrena	Perennial ryegrass	S1 L1 G4
Dakisha	Smooth-stalked meadow-grass	S2 L2
Dancing (LA)	Chewings fescue	L3 G2
Debussy 1	Tall fescue	S3 L8
Denso (LA)	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
Divyna	Tall fescue	L8
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
Eugenius	Perennial ryegrass	S1 L1
EuroCarina	Chewings fescue	L3 G2
Eurocool (LA)	Perennial ryegrass	S1
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
Europutt	Browntop bent	L7 G1
Eurosport	Perennial ryegrass	S1 L1
Eventus	Perennial ryegrass	S1 L1
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
Francesca (LA)	Perennial ryegrass	L1
Fulmar	Chewings fescue	L3 G2
Galleon	Perennial ryegrass	S1
Gianna	Perennial ryegrass	S1 L1 G4
Gillet	Slender creeping red fescue	L4 G3
Gima (LA)	Chewings fescue	L3 G2
Gladys	Perennial ryegrass	S1 L1
Grande II	Tall fescue	S3 L8

Cultivar	Species	Tables
Granditte	Tall fescue	S3
Greenbrooks	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
Hardtop	Hard Fescue	L6 G5
Harmonie	Smooth-stalked meadow-grass	S2 L2
Hastings (LA)	Strong creeping red fescue	L5
Hayley (LA)	Perennial ryegrass	S1 L1
Heidrun	Strong creeping red fescue	L5
Helena	Slender creeping red fescue	L4
Herald	Strong creeping red fescue	L5
Heriot	Browntop bent	L7 G1
Heritage	Browntop bent	G1
Highland	Highland bent	L7
Highnote (LA)	Chewings fescue	L3 G2
Hightower	Strong creeping red fescue	L5
Himalaya	Perennial ryegrass	S1 L1
Hugo 1	Perennial ryegrass	S1
Humboldt	Chewings fescue	L3 G2
Ignite	Creeping bent	G1
Jasperina	Strong creeping red fescue	L5
Javelin	Slender creeping red fescue	G3
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	Slender creeping red fescue	G3
Katarina	Chewings fescue	L3 G2
Kokomo	Perennial ryegrass	S1 L1
Laverda (LA)	Strong creeping red fescue	L5
Libano	Slender creeping red fescue	L4 G3
Libronco	Perennial ryegrass	L1
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
Livision	Strong creeping red fescue	L5
Livista	Chewings fescue	L3 G2
Lourega	Perennial ryegrass	S1
Lupita	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	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	Perennial ryegrass	S1 L1
Melbourne	Perennial ryegrass	S1 L1

Cultivar	Species	Tables
Melitta	Chewings fescue	L3 G2
Mellori	Strong creeping red fescue	L5
Melyane	Tall fescue	S3 L8
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
Montacilla (LA)	Perennial ryegrass	S1 L1 G4
Mozart 1	Smooth-stalked meadow-grass	S2 L2
Musette	Slender creeping red fescue	L4 G3
Musica	Chewings fescue	L3 G2
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
Pebbles	Hard Fescue	L6
Penelope (LA)	Perennial ryegrass	S1 L1
Penn A-1 (LA)	Creeping bent	L7 G1
Pinafore	Slender creeping red fescue	L4
Platinum	Perennial ryegrass	S1 L1
Polana	Browntop bent	G1
Polka	Strong creeping red fescue	L5
Pollen	Perennial ryegrass	L1
Ponderosa	Perennial ryegrass	S1 L1
Pontiac	Perennial ryegrass	L1
Poseidon	Perennial ryegrass	S1 L1 G4
PowerPlay	Smooth-stalked meadow-grass	S2 L2
Promotor	Perennial ryegrass	S1 L1
Quatro	Sheep's fescue	L6 G5
Quintet (LA)	Strong creeping red fescue	L5
Raisa	Chewings fescue	L3 G2
Ramona	Chewings fescue	L3 G2
Record (LA)	Strong creeping red fescue	L5
Reggae	Slender creeping red fescue	L4 G3
Relevant	Strong creeping red fescue	L5
RGT Klaxon (LA)	Perennial ryegrass	S1 L1
RGT Nuance	Tall fescue	S3 L8
Rihanna (LA)	Smooth-stalked meadow-grass	S2 L2
Riptide	Creeping bent	G1
Rossinante	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

Cultivar	Species	Tables
Shazam	Perennial ryegrass	S1
Singapore (LA)	Perennial ryegrass	S1 L1
Sirtaky	Perennial ryegrass	S1 L1
Siskin	Chewings fescue	L3 G2
Skyfall	Creeping bent	G1
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
Taya	Perennial ryegrass	L1
Teenie (LA)	Slender creeping red fescue	L4
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 (LA)	Perennial ryegrass	S1s
Tetris	Smooth-stalked meadow-grass	S2 L2
Tiger Nova (LA)	Browntop bent	L7
Torsion	Perennial ryegrass	S1 L1
Touche	Smooth-stalked meadow-grass	S2 L2
Traction	Smooth-stalked meadow-grass	S2
Traffic	Perennial ryegrass	S1 L1
Trakaj	Tufted hair-grass	S4 L9
Transate	Perennial ryegrass	S1 L1
Tremont	Slender creeping red fescue	L4 G3
Trophy	Chewings fescue	L3 G2
Troy	Browntop Bent	G1
Turfgold	Perennial ryegrass	S1 L1
Turfway	Tall fescue	S3
Turner 1	Slender creeping red fescue	L4 G3
Tyee	Creeping bent	G1
Valdora	Slender creeping red fescue	L4 G3
Venice	Perennial ryegrass	L1 G4
Vermillion	Perennial ryegrass	L1
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

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

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

DLF/JNS DLF/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

DSV UK Ltd

17 Lynn Road
Downham Market
Norfolk
PE38 9NJ
Tel 01366 388223
E-mail info@dsv-uk.co.uk

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

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

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.

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

SUT Sutttons Consumer Products Ltd.

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