

Turfgrass Seed

2024

The buyers guide to
quality amenity turfgrasses



Contents

2	Introduction
2	The BSPB Amenity Committee and the Turfgrass Seed Trials
3	Guide to using Turfgrass Seed 2024
4	Assessment of Characters
5	Series S - Sports Uses
10	Series L - Lawns, Landscaping, Summer Sports and Turf Trials
19	Series G - Greens, Close Mown Trials
24	Series M - Miscellaneous Grasses
25	Index
28	UK Agents



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 this year 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 the current Turfgrass Seeds booklet 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

Trials are monitored for differences in cleanness of cutting among cultivars. If differences are seen each variety will be 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 with scores indicating how light or dark a grass is compared to the other varieties in trial. Lower numbers indicate a lighter coloured grass, higher numbers a darker coloured grass. It should be noted that colour will vary depending on weather conditions, 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	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Barzico	8.1	8.1	8.1	7.3	7.8	7.1	4.1	5.5	5.5	BAR
Altivo	7.9	7.9	7.9	7.3	7.9	6.8	5.3	4.9	5.2	BAR
Barbasten	7.8	7.9	7.9	7.3	7.1	6.1	5.7	5.2	5.4	BAR
Europitch	7.8	7.9	7.8	7.3	7.7	7.3	4.1	5.4	5.0	DSV
Clochette (LA)	7.8	7.8	7.8	6.6	8.3	8.0	3.0	5.4	6.1	G/SMFR
Barpersie	7.6	7.9	7.8	7.6	8.2	7.9	6.2	4.3	5.2	BAR
Eurobeat	7.8	7.7	7.8	6.8	7.2	6.6	5.4	5.6	5.4	DSV
Gildara	7.6	7.8	7.7	6.7	7.5	7.5	4.5	5.5	6.4	DLF/JNS
EuroCordus	7.8	7.5	7.7	7.3	7.4	6.7	6.5	5.4	5.3	DSV
Eurodiamond	7.7	7.6	7.6	6.8	7.2	6.2	3.7	5.4	5.2	DSV
Starling	7.6	7.6	7.6	7.8	7.7	7.3	6.9	5.3	5.5	DLF
Alathea	7.6	7.6	7.6	7.3	7.2	7.1	6.1	5.4	5.2	DLF/OAS/TG
Saila	7.6	7.5	7.6	7.0	6.6	6.3	5.6	5.0	5.1	DLF/JNS
Monroe	7.5	7.6	7.5	7.4	7.3	7.7	6.2	5.9	6.0	DLF/JNS
Eurosport	7.6	7.5	7.5	7.3	7.1	6.9	5.5	5.7	5.6	DSV
Lancelot	7.4	7.6	7.5	7.1	7.7	7.8	5.2	5.0	5.4	OAS/TG
Duranova	7.4	7.6	7.5	7.1	7.8	7.5	5.4	5.3	5.1	DLF/JNS
Minnelli (LA)	7.4	7.6	7.5	8.1	8.1	8.2	6.9	5.1	5.6	DLF/MM
Fiona (LA)	7.4	7.6	7.5	6.7	7.1	7.0	2.9	6.0	6.1	DLF
Lionel	7.5	7.4	7.4	6.6	6.7	6.1	4.8	5.5	5.5	DLF/JNS
Baradona	7.5	7.3	7.4	7.3	7.1	6.6	3.7	5.4	5.9	BAR
Barlicum	7.3	7.5	7.4	6.3	7.6	7.5	4.5	5.4	4.9	BAR
Barcristalla	7.5	7.3	7.4	6.8	6.8	6.7	5.9	6.2	7.2	BAR
Lamar (LA)	7.5	7.2	7.4	7.3	7.1	6.3	5.4	5.1	5.6	DSV
Mocora	7.2	7.5	7.4	6.9	7.1	7.3	4.7	5.0	5.4	DLF
Chloe	7.3	7.5	7.4	7.2	7.2	7.4	5.9	5.3	5.4	DLF
Columbine	7.4	7.3	7.4	7.1	6.7	5.9	5.2	6.2	5.7	DLF/TG
Cameron	7.2	7.5	7.3	7.6	7.2	7.5	4.3	5.7	5.7	OAS/TG
AberWin (LA)	7.3	7.3	7.3	6.8	7.2	6.7	5.4	5.6	4.9	G
Barolympic	7.2	7.3	7.3	7.5	7.4	7.4	5.5	4.4	4.8	BAR
Annecy	7.2	7.3	7.3	6.8	6.5	6.3	4.0	5.8	5.2	DLF/MM
Baromario	7.2	7.2	7.2	6.7	7.2	6.9	5.0	5.5	6.2	BAR
Berlioz 1	7.2	7.2	7.2	6.7	6.9	6.1	5.4	5.7	5.5	DLF/TG
Mumbai	7.0	7.3	7.2	6.9	7.5	7.4	4.1	5.0	5.1	DLF/MM
Angelina	7.2	7.1	7.2	7.4	7.3	6.5	6.1	5.2	5.6	OAS/TG
Chardin	7.0	7.2	7.1	6.5	7.1	7.4	5.9	5.2	5.0	DLF/JNS
Calico	7.1	7.2	7.1	7.4	6.8	6.8	4.0	5.5	6.3	G/SMFR
Estelle	7.0	7.2	7.1	7.2	7.2	7.3	5.5	5.5	4.8	OAS/TG
Eventus	7.0	7.2	7.1	7.4	7.2	7.7	6.4	5.3	5.3	DSV
Barthierry	7.1	7.1	7.1	6.5	7.3	7.0	5.2	6.2	6.4	BAR
Elva (LA)	7.0	7.1	7.1	7.3	7.3	7.4	5.8	5.3	5.3	DLF
Cyrena	7.2	7.0	7.1	7.0	6.6	6.0	5.8	5.1	5.8	DLF/MM
Ponyo (LA)	7.0	7.1	7.1	7.3	7.2	7.8	4.9	5.2	6.1	DLF
Cadix	7.0	7.2	7.1	7.1	6.7	6.7	5.3	5.8	5.9	G/SMFR
Barorlando	7.1	7.0	7.1	6.5	6.9	6.3	6.3	5.7	7.2	BAR
Gladys	7.0	7.1	7.1	7.3	6.8	6.9	5.5	5.3	5.1	DLF/MM
Bizet 1	7.1	7.0	7.1	7.3	5.9	5.5	6.4	5.8	6.1	DLF
EG Resistus	7.0	7.0	7.0	6.6	6.9	7.4	5.9	5.7	5.6	DSV
Melbourne	6.9	7.1	7.0	6.6	7.1	6.9	6.7	5.2	5.3	DLF/MM
Saopaulo	6.9	7.1	7.0	7.1	6.9	6.9	5.8	5.8	5.5	DLF/MM
Nagano	6.9	7.0	7.0	6.9	6.6	6.0	5.4	5.0	5.1	DLF/MM
Alison	7.0	7.0	7.0	7.0	7.0	7.2	6.0	5.6	5.5	DLF/MM
Aniston	6.9	6.9	6.9	7.3	6.7	7.3	4.1	5.8	5.9	DLF/JNS
Beckham	6.9	6.9	6.9	7.0	6.3	6.0	6.0	5.4	4.7	DSV
Martinella	6.8	6.9	6.9	6.4	6.4	6.1	4.5	6.0	5.3	DLF

LA = Limited availability

Table S1 Continued

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Bonnie	6.8	7.0	6.9	6.2	7.3	7.0	5.0	5.3	5.4	TG
Django (LA)	6.8	6.9	6.9	6.5	7.1	6.7	5.3	5.3	5.0	RAGT
Penelope	6.9	6.8	6.8	7.0	7.2	7.5	4.4	5.4	5.3	DLF
Totoro (LA)	6.8	6.8	6.8	7.2	7.5	7.9	7.3	5.5	5.9	DLF
Etienna	6.7	6.9	6.8	6.6	6.9	7.1	6.0	5.2	5.8	DLF
Hayley	6.8	6.8	6.8	6.7	6.7	6.6	5.5	5.7	5.7	OAS/TG
Claudine	6.8	6.8	6.8	6.3	6.8	6.8	5.5	5.4	6.0	DLF
Duparc	6.6	6.9	6.8	6.9	6.4	6.4	7.0	5.1	5.2	OAS/TG
Gianna	6.7	6.7	6.7	7.3	6.8	6.7	6.8	4.9	4.9	OAS/TG
Vesuvius	6.6	6.9	6.7	6.9	6.7	6.1	5.8	4.9	5.2	G
Mandalay	6.7	6.8	6.7	6.8	6.1	6.2	5.8	5.2	5.6	OAS/TG
Carnac	6.6	6.8	6.7	7.2	6.5	6.1	6.2	5.7	5.7	G/SMFR
Gwynett	6.6	6.8	6.7	7.1	6.7	7.4	5.6	5.4	5.5	G/DLF
Cleopatra	6.8	6.5	6.7	7.0	6.3	5.7	6.9	5.0	5.2	DLF
Melisandra	6.7	6.7	6.7	6.9	7.0	7.4	4.7	5.4	5.4	DLF
Dickens 1	6.6	6.8	6.7	6.5	7.5	6.9	5.8	5.2	5.1	DLF/JNS
Acapulco (LA)	6.7	6.7	6.7	7.0	7.2	7.5	6.0	6.0	5.9	DLF/MM
Coldplay (LA)	6.6	6.7	6.6	7.2	7.0	7.0	6.7	5.6	5.5	RAGT
Guinevere (LA)	6.5	6.8	6.6	6.5	7.0	6.9	5.7	6.1	7.1	DLF
Promotor	6.6	6.6	6.6	7.2	6.4	6.1	5.3	5.2	5.7	G
Lize	6.3	6.8	6.6	5.9	6.9	6.6	5.5	5.3	5.3	DLF
Singapore	6.5	6.6	6.6	6.8	6.6	7.1	6.9	5.7	5.2	DLF/MM
Mercitwo	6.6	6.5	6.5	6.6	5.9	6.5	5.8	5.3	5.1	OAS/TG
Bargold	6.4	6.7	6.5	6.8	6.9	7.5	6.0	5.6	5.3	BAR
Meara	6.6	6.5	6.5	6.3	6.5	6.7	6.0	5.3	5.5	DLF
Torsion	6.6	6.5	6.5	6.1	6.4	6.1	5.4	7.8	8.4	ICL
Barsignum	6.5	6.5	6.5	6.3	7.0	7.5	5.6	5.4	6.3	BAR
Shazam	6.4	6.5	6.5	7.1	7.2	6.9	5.9	5.6	5.6	RAGT
Greenway	6.5	6.4	6.4	6.0	6.4	7.0	6.1	6.2	5.8	SUT/TG
Morisot	6.2	6.6	6.4	6.3	6.6	6.4	6.0	5.2	5.1	OAS/TG
Creepstar	6.4	6.4	6.4	6.3	5.9	6.7	6.0	6.6	7.4	DLF/TG
Roseanne	6.4	6.4	6.4	6.8	6.9	6.8	6.8	5.2	5.5	DLF
Alboka	6.4	6.4	6.4	6.2	6.6	6.5	6.9	6.6	6.6	RAGT/BAR
Greensky	6.3	6.3	6.3	6.4	6.3	5.9	6.1	5.4	5.2	OAS/TG
Clementine	6.3	6.3	6.3	6.9	6.6	7.0	5.7	5.4	5.4	DLF/JNS/TG
Zurich	6.3	6.1	6.2	5.2	5.8	5.1	5.2	6.0	5.4	G
Escapade	6.1	6.3	6.2	6.7	6.3	7.6	4.5	6.0	5.5	G/SMFR
Essence	6.4	5.8	6.1	5.2	6.5	6.2	4.7	6.4	5.8	DLF
Vertech	6.1	6.1	6.1	5.8	5.7	6.4	5.1	5.9	6.2	G/FF
Bardorado	6.2	5.9	6.1	5.7	5.9	5.0	6.8	5.1	5.4	BAR
Ponderosa	6.2	5.9	6.1	5.8	5.9	5.4	5.6	6.9	5.9	DLF/MM
Antonella	6.1	5.9	6.0	6.6	6.1	6.7	5.5	5.6	6.0	TG
Fandango	6.1	5.9	6.0	6.4	6.0	5.7	6.1	6.3	6.2	BAR
Lautrec	5.9	6.1	6.0	6.1	6.3	6.6	6.5	5.8	5.5	DLF
Ceretec Centurion	6.0	5.9	6.0	5.4	5.7	5.5	5.0	7.4	7.1	PGG
Platinum	6.4	5.5	5.9	5.5	5.2	4.6	6.0	7.3	6.4	DLF
Transate	5.9	5.8	5.9	5.6	5.7	5.4	6.9	6.1	6.0	DSV
Barprium	5.8	5.9	5.8	6.7	6.4	6.7	6.1	5.1	7.0	BAR
Stravinsky	6.0	5.6	5.8	5.3	5.6	4.8	6.5	8.3	8.1	DLF
Jubilee EG	5.8	5.6	5.7	5.7	5.7	5.4	5.4	6.2	6.5	DSV
Pascal	5.7	5.7	5.7	5.6	5.9	5.3	6.5	6.4	6.4	DSV
Esquire	5.8	5.4	5.6	5.3	5.3	4.9	6.0	7.0	7.0	DLF
Mistral	5.5	5.7	5.6	4.5	5.2	5.3	6.8	8.2	8.0	ICL
Agreement	5.5	5.6	5.5	5.1	5.9	5.5	6.4	6.5	6.1	FF/G
Greenplanet	5.4	5.5	5.5	4.8	5.1	5.1	7.4	8.0	8.2	ICL
Turfgold	5.3	5.2	5.3	5.5	5.2	5.0	6.2	7.0	6.8	DSV
Passion	5.1	5.3	5.2	5.1	5.6	5.4	7.3	5.9	6.0	DLF/MM
Fancy	5.4	4.9	5.2	4.1	4.9	5.0	6.0	6.9	5.5	FF
New Cultivars										
Verallynn (LA)	6.0	5.9	6.0	6.9	5.8	6.7	8.1	4.7	6.7	ICL

LA = Limited availability

Series S
Sports Uses (Mown at 25mm)

Table S1s
Tetraploid ryegrasses

The cultivars in both Tables S1 and S1s are grown in the same trial. 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	6.1	5.7	5.9	6.2	5.0	5.0	6.7	6.7	6.6	DLF/JNS
Tetrastar	5.7	5.4	5.5	5.4	5.2	4.9	8.0	7.7	8.0	OAS/TG
Tetragame	5.5	5.2	5.4	5.3	4.6	4.4	7.3	6.9	7.3	DLF/JNS/TG
Tetramagic	5.1	5.0	5.1	5.0	4.3	4.1	6.8	7.0	7.0	DLF/MM
Tetradry	5.3	4.7	5.0	4.8	3.8	3.9	7.4	7.6	7.6	DLF
Tetragon (LA)	5.0	4.8	4.9	5.1	4.8	4.7	7.5	7.0	6.8	DSV
Double	5.0	4.5	4.7	4.3	4.0	3.5	7.8	7.7	7.5	DLF
Tetragreen	4.9	4.5	4.7	4.4	4.8	4.4	7.2	7.5	7.5	OAS/TG
Tetraboom (LA)	4.2	4.6	4.4	4.7	4.4	4.7	7.3	7.1	7.5	DLF
Tetrasport	4.3	4.4	4.3	4.2	4.2	4.3	7.3	7.8	8.0	DSV

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

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Resistance to Rust	Winter Greenness	Summer Greenness	UK Agent
Traction	7.3	7.6	7.4	7.7	7.7	7.4	4.9	5.1	5.1	ICL
Julius	7.4	7.4	7.4	7.6	7.3	6.7	5.0	4.9	5.4	DLF
Limousine	7.2	7.5	7.3	7.8	8.1	7.2	4.9	6.2	5.3	DSV
Becca	7.1	7.1	7.1	6.5	7.3	8.1	5.3	5.4	6.1	DLF/MM
Joker (LA)	7.0	7.0	7.0	6.9	7.4	7.6	6.2	5.7	5.9	DSV
Lincolnshire	6.8	7.1	6.9	7.0	7.0	6.9	4.4	6.2	5.0	DSV
Arya (LA)	7.0	6.9	6.9	6.4	7.6	7.9	6.5	5.7	5.5	DLF/MM
Sombrero	6.9	7.0	6.9	6.9	7.2	7.0	4.8	5.8	5.8	DLF/JNS
Bariris	6.9	6.8	6.8	6.2	6.8	6.5	4.8	6.6	5.8	BAR
Greenplay	6.7	6.8	6.8	7.1	7.2	7.1	5.0	5.8	5.6	OAS/TG
Barhelene	6.7	6.6	6.7	7.1	7.2	7.3	5.0	5.3	5.6	BAR
Isadora	6.7	6.6	6.7	6.0	6.9	6.4	6.3	5.5	4.6	DLF/MM
Yvette	6.6	6.5	6.5	6.1	6.7	6.6	6.4	5.9	5.7	DLF/MM
PowerPlay	6.5	6.5	6.5	6.5	6.4	6.6	6.7	5.3	7.0	DSV
Tetris	6.2	6.4	6.3	6.5	6.7	7.5	6.8	7.8	7.1	G
Dakisha	6.2	6.3	6.3	6.4	6.0	5.3	6.0	5.6	5.4	DLF/TG
Ximena	6.1	6.1	6.1	5.4	6.3	6.5	6.7	5.4	5.0	DLF/MM
Kyenna (LA)	6.1	6.1	6.1	5.4	6.3	5.9	6.9	5.2	5.2	DLF
Enigma	6.0	6.0	6.0	5.7	6.0	6.0	7.0	7.6	6.6	ICL
Xiamara	6.0	5.9	6.0	5.7	6.1	6.1	-	5.7	5.2	DLF/MM
Abalina	6.0	5.8	5.9	5.7	6.3	6.4	7.1	5.9	5.2	DLF/MM
Miracle	5.9	5.8	5.9	5.3	5.8	5.4	7.0	5.2	6.8	DLF
Borsala	5.7	5.8	5.8	5.7	5.9	6.6	6.6	6.2	5.3	DLF
Conni	5.7	5.7	5.7	5.9	6.0	5.9	5.8	6.5	5.7	DLF
Dauntless	5.3	5.1	5.2	5.7	4.9	4.7	5.7	7.5	6.8	DSV
Bluenote	5.0	5.0	5.0	5.5	5.4	5.2	6.5	6.5	6.6	DSV
Markus	4.7	4.8	4.8	5.3	4.4	5.5	7.4	5.6	5.0	DSV
Evora	4.7	4.6	4.7	4.6	4.4	4.7	6.1	5.5	6.9	DLF
Zeptor	4.5	4.5	4.5	4.5	4.5	4.6	7.1	5.1	5.6	DSV

LA = Limited availability

Table S3Tall Fescue (*Festuca arundinacea*)

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Winter Greenness	Summer Greenness	UK Agent
Turfway	8.0	7.8	7.9	7.7	7.7	6.7	7.5	7.5	TG
Greenheaven	7.8	7.8	7.8	6.9	7.8	7.0	6.0	6.6	ICL
Regenerate	7.6	7.7	7.7	6.9	8.1	6.9	6.5	6.3	DSV
Foxhound	7.5	7.6	7.5	7.5	7.3	7.3	7.9	7.3	DLF
Armani	6.9	7.3	7.1	7.6	6.5	7.4	4.7	3.9	OAS/TG
Essential	7.1	7.1	7.1	6.7	7.2	6.9	6.8	6.7	OAS/TG
RGT Nuance	6.9	7.2	7.1	6.9	7.4	7.6	4.3	4.4	RAGT/BAR
Barcesar	6.6	6.6	6.6	6.8	6.8	6.8	5.1	5.0	BAR
Grande II	6.6	6.3	6.5	6.0	6.5	5.8	6.7	6.6	OAS/TG
Debussy 1	6.4	6.4	6.4	6.3	6.3	6.0	6.9	6.9	DLF/JNS
Granditte	6.2	6.5	6.3	5.9	6.6	6.3	6.8	7.0	OAS/TG
Melyane	6.2	6.2	6.2	6.4	6.8	6.3	5.3	5.1	DSV
Barlexas II	5.7	5.8	5.7	5.5	5.5	5.8	6.8	7.1	BAR

Table S4Tufted hair-grass (*Deschampsia caespitosa*)

Cultivar	Live Ground Cover	Visual Merit	Mean	Recovery	Shoot Density	Fineness of Leaf	Winter Greenness	Summer Greenness	UK Agent
Barcampsia	6.3	6.4	6.4	5.9	7.0	7.5	6.3	5.2	BAR
Desanto	5.8	5.6	5.7	5.6	5.8	5.9	4.5	5.2	DSV
Deshade	5.4	5.4	5.4	5.3	5.1	5.3	4.6	5.1	DSV

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 11-12), 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	Cleanliness of Cut	Winter Greenness	Summer Greenness	UK Agent
Barolympic	8.1	8.1	7.1	8.0	7.8	5.5	7.4	4.5	4.9	BAR
Guinevere (LA)	7.6	7.5	8.5	7.5	7.8	6.1	7.0	5.6	6.5	DLF
Cabrio	7.6	8.5	7.1	7.7	7.7	3.7	7.0	5.3	6.0	G/SMFR
Corsica	7.4	7.5	9.0	7.0	7.7	3.9	6.9	7.1	8.0	FF
Clementine	7.8	7.5	7.4	7.8	7.6	5.9	7.7	5.1	5.3	DLF/JNS/TG
Aniston	7.4	7.7	7.5	7.6	7.5	5.0	7.3	5.6	6.3	DLF/JNS
Angelina	7.3	7.1	8.2	7.3	7.5	5.8	7.7	5.2	5.5	OAS/TG
Barprrium	7.3	7.3	7.9	7.5	7.5	5.6	7.4	5.4	6.5	BAR
Barsignum	7.4	7.7	7.3	7.6	7.5	5.2	6.6	5.6	6.5	BAR
Penelope	7.2	7.8	7.6	7.3	7.5	4.3	7.2	5.7	5.6	DLF
Mocora	7.8	7.6	6.7	7.8	7.5	5.2	5.8	4.9	5.2	DLF
Alathea	7.6	7.7	6.8	7.7	7.4	6.2	6.8	5.6	5.3	DLF/OAS/TG
Baradona	7.6	7.3	7.4	7.6	7.4	4.4	7.3	5.3	6.0	BAR
Cameron	7.6	7.6	6.8	7.7	7.4	5.7	7.5	5.2	6.1	OAS/TG
Alison	7.6	7.5	6.8	7.7	7.4	6.5	7.1	5.6	5.7	DLF/MM
Gwynnett	7.8	7.9	6.1	7.7	7.4	4.4	6.7	5.2	5.1	G/DLF
Creepstar	7.3	7.6	7.3	7.2	7.3	5.3	4.6	6.9	7.5	DLF/TG
Singapore	8.0	7.8	5.8	7.8	7.3	6.9	4.6	5.1	5.2	DLF/MM
Torsion	7.3	6.9	7.9	7.2	7.3	5.5	7.8	7.3	8.0	ICL
Escapade	7.5	7.9	6.3	7.5	7.3	6.1	6.3	5.8	6.0	G/SMFR
Chloe	7.6	7.6	6.1	7.7	7.2	6.3	6.2	5.1	5.4	DLF
Estelle	7.7	7.7	5.6	7.9	7.2	5.7	5.5	5.0	4.4	OAS/TG
Barzico	7.0	7.1	7.3	7.4	7.2	6.1	6.0	5.3	5.3	BAR
Bargold	7.3	7.8	6.3	7.4	7.2	6.3	6.8	5.7	5.6	BAR
Shazam	7.5	7.1	6.6	7.5	7.2	5.0	6.7	5.0	5.2	RAGT
Etienna	7.0	7.3	7.2	7.2	7.2	5.9	6.5	5.3	5.8	DLF
Eventus	7.4	8.0	5.4	7.8	7.2	6.6	7.0	5.5	5.9	DSV
Europitch	7.1	7.5	6.5	7.4	7.1	5.3	6.6	5.0	5.7	DSV
Saopaulo	7.5	7.3	6.1	7.5	7.1	5.4	6.7	5.4	5.6	DLF/MM
Gianna	7.5	7.0	6.3	7.6	7.1	7.3	7.4	4.9	5.5	OAS/TG
Chardin	7.3	7.6	5.9	7.6	7.1	7.4	7.3	4.9	5.3	DLF/JNS
EG Resistus	7.3	7.3	6.6	7.2	7.1	4.5	6.5	5.8	6.2	DSV
Gildara	7.5	7.4	5.8	7.6	7.1	4.6	5.3	5.8	6.1	DLF/JNS
Barbasten	7.4	6.8	6.7	7.4	7.1	5.4	6.5	4.9	5.2	BAR
Claudine	7.2	7.1	6.8	7.1	7.1	4.8	6.3	5.2	5.6	DLF
Meara	7.2	7.2	6.5	7.1	7.0	5.5	5.0	5.4	5.7	DLF
Bonnie	7.6	7.4	5.4	7.5	7.0	6.5	6.7	4.8	5.4	TG
Monroe	7.2	7.5	5.6	7.4	6.9	5.1	6.8	5.9	5.8	DLF/JNS
Mandalay	7.0	7.0	6.6	7.0	6.9	5.9	6.6	5.2	5.8	OAS/TG
Saila	6.8	6.6	7.3	6.8	6.9	5.7	6.1	4.5	5.0	DLF/JNS
Django (LA)	7.0	6.9	6.7	7.0	6.9	5.9	6.7	5.2	5.0	RAGT
Antonella	7.1	7.1	6.2	7.1	6.9	5.7	6.6	5.5	5.8	TG
RGT Klaxon	7.5	6.7	5.8	7.4	6.9	8.2	6.7	5.7	5.6	RAGT
Morisot	7.3	6.9	5.9	7.3	6.9	6.8	6.7	5.3	4.7	OAS/TG
Malibu	6.9	7.4	6.2	6.9	6.9	4.7	6.2	5.2	6.1	DLF/MM
Baromario	7.0	7.0	6.3	7.0	6.8	4.5	5.2	5.3	6.1	BAR
Carnac	7.6	6.8	5.9	6.9	6.8	6.4	5.8	6.0	5.9	G/SMFR
Venice	7.0	6.9	6.4	6.7	6.8	7.8	6.6	4.8	5.4	DLF/MM
Dickens 1	7.2	7.0	5.6	7.2	6.7	6.1	5.4	5.6	5.5	DLF/JNS
Duparc	7.3	6.7	5.6	7.2	6.7	8.1	6.5	5.2	5.1	OAS/TG
Groundforce	6.8	7.1	5.8	6.9	6.7	6.0	7.3	5.0	6.3	ICL
Martinella	7.0	6.5	6.4	6.8	6.7	6.6	5.3	5.3	5.5	DLF
EuroCordus	6.9	6.5	6.4	6.9	6.7	6.4	6.1	5.8	5.5	DSV
Eurobeat	6.8	6.9	5.9	7.1	6.7	5.2	2.8	5.3	5.6	DSV

Table L1
Continued

Lawns	Cultivar	Shoot Density	Fineness of Leaf	Slow Regrowth	Visual Merit	Mean	Resistance to Red Thread	Cleanness of Cut	Winter Greenness	Summer Greenness	UK Agent
	Gladys	7.0	6.8	5.4	7.4	6.7	5.6	6.2	4.9	5.5	DLF/MM
	Barcristalla	7.2	6.2	6.4	6.8	6.7	5.8	5.8	6.4	6.7	BAR
	Annecy	6.6	6.5	6.8	6.6	6.6	6.0	6.3	5.2	5.3	DLF/MM
	Melbourne	7.0	6.9	5.8	6.8	6.6	5.5	6.9	5.0	5.8	DLF/MM
	Mercitwo	6.4	6.7	6.7	6.5	6.6	6.6	8.1	4.9	5.4	OAS/TG
	Lionel	6.8	6.4	6.2	6.8	6.5	5.4	2.6	5.4	5.7	DLF/JNS
	Nagano	6.4	6.6	6.6	6.5	6.5	5.6	6.7	5.0	4.9	DLF/MM
	Barlicum	6.7	7.2	5.2	6.8	6.5	5.5	5.8	5.4	5.1	BAR
	Vesuvius	7.0	6.6	5.2	7.1	6.5	6.4	6.8	5.3	5.4	G
	Greenway	6.6	6.8	5.8	6.6	6.4	5.9	5.8	5.9	6.0	SUT/TG
	Eurosport	7.1	6.5	5.2	7.0	6.4	5.8	5.1	5.4	5.7	DSV
	Alboka	6.5	6.2	6.5	6.5	6.4	6.8	6.7	6.8	6.2	RAGT/BAR
	Eurodiamond	6.2	6.6	6.3	6.5	6.4	5.0	4.2	5.7	5.7	DSV
	Calico	6.8	6.6	5.4	6.8	6.4	4.7	5.6	5.8	6.4	G/SMFR
	Cadix	6.5	6.8	5.9	6.3	6.4	5.7	5.6	5.8	5.5	G/SMFR
	Beckham	6.5	6.2	5.8	6.8	6.3	6.7	5.4	5.3	4.7	DSV
	Promotor	6.1	6.3	6.6	6.3	6.3	6.3	6.2	4.8	5.6	G
	Cleopatra	6.3	6.1	6.4	6.4	6.3	5.8	6.1	5.1	5.6	DLF
	Cyrena	6.2	6.1	6.5	6.4	6.3	5.5	6.5	5.3	5.5	DLF/MM
	Coletta	6.0	6.0	7.0	6.2	6.3	6.2	7.1	5.1	5.6	G
	Sirtaky	7.0	6.3	5.3	6.6	6.3	7.0	6.3	5.7	5.2	RAGT
	Vermillion	6.4	6.2	5.6	6.5	6.2	5.8	5.7	5.9	5.5	FF
	Pascal	6.1	5.8	6.7	6.0	6.1	7.0	6.0	6.6	6.4	DSV
	Berlioz 1	6.3	6.1	5.9	6.3	6.1	5.5	4.8	5.7	5.5	DLF/TG
	Vulcanus	5.9	5.8	7.0	5.9	6.1	5.7	5.4	6.8	6.3	DSV
	Greensky	6.0	6.2	6.4	5.9	6.1	5.9	6.0	5.4	4.8	OAS/TG
	Barorlando	6.3	6.1	5.7	6.3	6.1	5.8	6.5	5.7	6.4	BAR
	Fandango	6.6	5.8	5.7	6.4	6.1	6.6	6.9	6.2	5.4	BAR
	Pollen	6.4	5.9	5.8	6.2	6.1	7.0	6.4	5.9	5.9	DSV
	Bizet 1	6.0	5.9	5.8	6.3	6.0	6.7	5.5	5.7	5.9	DLF
	Transate	5.9	5.6	5.8	6.0	5.8	7.3	6.2	6.1	6.0	DSV
	Essence	5.6	6.3	5.7	5.4	5.8	4.3	5.9	6.1	5.6	DLF
	Stravinsky	5.8	4.8	6.8	5.6	5.7	6.4	5.3	8.3	8.0	DLF
	Columbine	5.6	5.8	5.5	5.9	5.7	5.6	5.3	5.9	5.4	DLF/TG
	Neruda 1	5.6	5.3	6.2	5.7	5.7	7.1	5.9	8.6	8.1	DLF/TG
	Passion	6.0	5.8	5.2	5.7	5.7	6.8	5.7	5.9	5.4	DLF/MM
	Turfgold	5.3	5.2	6.7	5.3	5.6	6.1	6.2	6.7	6.3	DSV
	Platinum	5.6	5.5	6.0	5.3	5.6	5.9	5.9	7.3	6.5	DLF
	Esquire	5.3	5.0	6.7	5.2	5.5	6.0	5.7	6.9	6.9	DLF
	Jubilee EG	5.4	5.7	5.8	5.2	5.5	4.9	5.6	5.9	6.1	DSV
	Eterlou	5.2	5.0	6.0	5.1	5.3	5.9	5.1	6.7	6.7	DSV
	Ponderosa	5.1	5.3	5.2	4.9	5.1	5.4	5.3	6.5	6.0	DLF/MM
	New Cultivars										
	Starling	8.1	7.9	9.1	8.1	8.3	7.5	7.8	5.0	5.4	DLF
	Barpersie	9.0	8.5	5.8	9.0	8.1	5.0	7.0	4.2	5.2	BAR
	Lancelot	8.4	8.4	7.0	8.3	8.0	6.8	6.5	4.8	5.6	OAS/TG
	Mumbai	7.8	7.8	8.4	7.9	8.0	4.4	7.8	5.0	5.0	DLF/MM
	Clochette (LA)	7.6	8.0	8.2	7.9	7.9	4.4	7.4	5.6	6.2	G/SMFR
	Duranova	7.8	7.8	7.1	7.7	7.6	5.4	5.3	5.3	4.8	DLF/JNS
	Melisandra	6.9	8.1	6.9	7.4	7.3	3.9	7.4	4.8	5.1	DLF
	Roseanne	8.0	7.4	5.7	7.9	7.2	7.5	7.8	4.5	5.2	DLF
	Altivo	7.9	7.1	5.5	7.6	7.0	6.6	7.8	4.5	5.7	BAR
	Lize	6.9	6.6	7.4	6.9	7.0	4.9	6.5	5.5	6.0	DLF
	Lamar (LA)	7.1	6.6	6.7	7.2	6.9	6.3	6.1	5.0	5.6	DSV
	Acapulco (LA)	7.0	6.9	6.5	7.0	6.8	4.7	7.8	5.5	5.7	DLF/MM
	Lautrec	7.0	6.6	6.8	6.9	6.8	6.7	6.5	5.9	5.2	DLF
	AberWin (LA)	7.3	6.7	4.5	7.1	6.4	6.4	6.5	5.4	5.4	G

LA = Limited availability

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
Becca	8.3	7.9	5.5	8.1	7.5	7.4	5.4	5.2	DLF/MM
Greenplay	7.8	7.5	6.1	7.8	7.3	6.0	5.9	5.1	OAS/TG
Sombrero	7.6	7.3	6.7	7.5	7.3	5.2	5.6	5.2	DLF/JNS
Lincolnshire	7.9	7.5	5.8	7.9	7.3	4.8	6.2	5.2	DSV
Joker (LA)	7.6	7.5	6.5	7.5	7.3	6.4	6.0	5.4	DSV
Limousine	7.9	7.6	5.8	7.7	7.2	5.3	6.0	5.1	DSV
Barhelene	7.7	7.5	6.0	7.6	7.2	5.5	5.8	5.1	BAR
Borsala	7.0	7.2	7.2	6.9	7.1	6.4	5.3	5.4	DLF
Yvette	7.2	7.3	6.5	7.1	7.1	6.8	5.8	5.6	DLF/MM
Xiamara	7.5	7.2	5.9	7.3	7.0	7.4	5.3	5.6	DLF/MM
Julius	7.6	6.9	5.6	7.2	6.8	5.2	5.8	4.8	DLF
Abalina	7.0	6.7	6.3	6.9	6.7	7.7	5.3	5.7	DLF/MM
Dakisha	7.0	6.4	6.0	7.0	6.6	7.5	4.6	5.6	DLF/TG
Powerplay	6.1	5.9	8.2	5.8	6.5	6.8	6.4	7.1	DSV
Miracle	6.3	6.2	6.2	6.4	6.3	7.2	5.4	7.0	DLF
Conni	6.3	6.0	6.2	6.6	6.3	5.9	5.9	6.1	DLF
Markus	6.6	5.9	5.3	6.5	6.1	6.1	5.6	5.7	DSV
Zeptor	5.8	5.2	6.1	5.8	5.7	6.1	5.8	6.9	DSV
Bluenote	5.8	5.3	5.3	5.7	5.5	5.9	7.3	7.0	DSV
Dauntless	5.9	5.5	4.9	5.7	5.5	7.4	6.7	6.6	DSV
Bariris	5.6	5.6	5.0	5.5	5.4	5.3	5.3	5.9	BAR
Evora	4.5	4.2	4.9	4.5	4.5	4.5	5.9	7.1	DLF
New Cultivars									
Ximena	6.9	6.8	7.5	6.7	7.0	-	5.4	5.8	DLF/MM
Isadora	7.6	6.6	6.1	7.1	6.9	-	5.0	5.7	DLF/MM

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
Orionette	7.6	8.0	7.8	7.3	4.0	4.8	DLF/JNS
EuroCarina	7.5	7.3	7.4	6.6	5.8	5.9	DSV
Dancing	7.4	7.4	7.4	7.0	5.9	6.2	BAR
Caldris	7.4	7.3	7.4	6.3	4.7	4.9	DLF/MM
Ramona	7.3	7.4	7.3	6.8	5.5	5.5	DSV
Brittany	7.4	7.2	7.3	5.8	5.3	5.4	DLF/MM
Barlineus	7.4	7.1	7.3	7.6	6.6	5.4	BAR
Siskin	7.3	7.2	7.2	7.8	5.9	7.4	DLF/JNS
Musica	7.1	7.3	7.2	6.5	5.6	6.3	BAR
Camanette	7.3	7.1	7.2	5.5	5.0	6.4	G/SMFR
Bodega	7.1	7.2	7.1	6.3	6.4	5.5	RAGT/BAR
Gima	7.1	7.1	7.1	6.4	5.2	5.8	DLF/JNS
Bogart	6.9	7.2	7.1	6.9	5.3	5.2	DLF/JNS
Greensleeves	6.9	7.1	7.0	6.7	5.6	5.7	OAS/TG
Esparina	7.0	6.9	7.0	6.8	6.5	8.0	DLF
Fillius	7.2	6.7	7.0	5.8	5.9	5.7	DSV
Humboldt	7.0	6.9	6.9	6.6	6.2	6.4	DLF/JNS
Greenmile	7.0	6.9	6.9	6.2	7.3	6.8	TG
Balkan	6.9	6.9	6.9	7.2	4.8	5.9	DLF
Antoinette	6.7	6.8	6.8	6.5	5.6	6.0	DSV
Highnote	6.9	6.5	6.7	5.1	5.7	6.1	DLF
Nikky	6.6	6.6	6.6	5.8	5.9	6.5	DLF/MM
Joanna	6.6	6.6	6.6	5.1	7.0	7.7	G
Barchip	6.6	6.6	6.6	5.8	6.6	7.4	BAR
Mission	6.5	6.5	6.5	6.5	7.0	7.7	DSV
Annalena	6.7	6.1	6.4	4.6	6.3	7.1	DSV
Capriccio	6.3	6.1	6.2	6.2	4.8	5.8	DLF
Trophy	5.6	6.5	6.1	6.8	5.6	6.2	DLF/MM
Wagner 1	6.0	6.0	6.0	5.6	6.9	7.4	DLF
Belleaire	5.8	6.1	5.9	4.6	6.8	7.3	SUT/TG
New Cultivars							
Nightclub (LA)	8.2	8.3	8.2	7.8	4.2	4.7	BAR
Hiphop	7.5	7.6	7.5	6.2	5.1	5.7	RAGT

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
Barquess	7.9	8.5	8.2	7.7	4.1	3.9	BAR
Sybille (LA)	8.2	7.7	8.0	8.3	5.3	7.2	DLF/MM
Nigella	7.7	7.7	7.7	7.0	5.6	6.8	DLF/JNS
Beudin	7.6	7.7	7.7	6.5	5.9	5.6	OAS/TG
Seroa	7.6	7.6	7.6	6.9	5.2	6.3	DLF/JNS
Barcrown	7.7	7.4	7.6	8.5	5.5	6.5	BAR
Absolom	7.5	7.5	7.5	7.3	4.5	5.2	DLF/JNS
Aporina	7.3	7.6	7.4	7.0	6.3	5.8	DLF/MM
Cezanne	7.3	7.4	7.4	6.1	6.2	6.5	DLF/JNS
Cathy	7.2	7.2	7.2	6.0	4.8	5.9	DLF/MM
Ola (LA)	7.0	7.4	7.2	7.1	4.4	4.0	BAR
Tasida (LA)	7.4	6.9	7.1	6.4	6.8	8.3	DSV
Barpearl	7.1	7.1	7.1	7.9	6.1	6.2	BAR
Viktorka	7.1	7.0	7.0	7.5	6.1	7.0	BAR
Mirador	7.1	7.0	7.0	6.8	5.4	5.7	G
Maryse	6.8	6.9	6.8	5.8	6.3	6.1	DLF/MM
Cantando	6.6	6.8	6.7	5.5	6.5	5.9	RAGT
Sarolea	6.7	6.6	6.7	6.2	6.0	6.8	DLF
Aiglon	6.6	6.7	6.6	6.4	5.3	6.0	DLF
Archibal	6.5	6.5	6.5	5.0	5.7	6.2	DLF
Charlotte	6.5	6.4	6.4	6.0	5.2	5.9	G/DSV
AberCharm	6.6	6.3	6.4	6.0	7.3	7.9	G
Teenie	6.4	6.0	6.2	5.9	6.9	6.5	DSV
EuroMarie	6.1	6.3	6.2	5.0	8.0	6.0	DSV
Musette	6.1	6.2	6.1	4.4	6.8	6.3	BAR
Pinafore	6.1	6.1	6.1	6.0	7.1	6.8	DLF
Cathrine	5.9	5.6	5.7	5.3	8.4	7.7	DSV
Reggae	5.9	5.5	5.7	4.2	6.2	6.0	BAR
Nicole	5.4	5.6	5.5	6.0	6.6	6.5	DSV
Smirna	5.5	5.5	5.5	5.8	5.4	5.3	DLF/MM
Samanta	5.0	5.1	5.1	5.0	5.3	5.2	DLF
New Cultivars							
Barnoustie	8.2	8.4	8.3	7.8	6.0	6.0	BAR
Baniva (LA)	6.4	6.5	6.4	6.2	5.7	6.6	DLF

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	6.2	6.2	4.6	5.3	6.2	DLF/JNS
Rossinante	5.9	5.9	5.9	5.9	5.5	5.5	DLF/JNS
Barrissee	5.8	6.0	5.9	6.6	6.0	5.2	BAR
Runa	5.7	5.9	5.8	5.0	5.4	5.6	DLF
Hastings	5.6	5.7	5.7	4.8	5.3	5.4	OAS/TG
Maracas (LA)	5.6	5.5	5.5	4.8	5.3	5.3	BAR
Sergei	5.5	5.3	5.4	5.1	5.8	6.0	BAR/DLF
Joshua	5.6	5.1	5.3	4.6	5.2	5.7	DLF/MM
Benji	5.4	5.2	5.3	5.2	6.9	6.2	DLF/MM
Ryder	5.3	5.0	5.1	4.6	6.6	5.8	DSV
Heidrun	5.2	5.1	5.1	5.2	6.1	5.7	DLF/MM
Barjessica	5.1	5.0	5.0	5.6	5.4	7.2	BAR
Polka	5.0	5.0	5.0	4.9	6.3	5.5	BAR
Mellori	5.0	4.9	5.0	4.9	7.3	6.7	DSV
Magitte	4.9	5.1	5.0	4.6	7.4	6.8	DSV
Quintet	4.8	5.1	5.0	4.7	5.4	5.2	RAGT
Jasperina	4.9	4.8	4.9	4.0	6.6	6.7	DSV
Corail	4.5	4.4	4.4	4.8	6.0	5.9	DLF/MM
Barustic	4.3	4.4	4.4	4.0	5.6	5.8	BAR
Dipper	4.4	4.3	4.3	4.0	6.6	5.6	DSV
Maxima 1	4.0	4.1	4.1	4.7	7.0	5.9	DLF
Kolossos	4.0	4.0	4.0	2.6	7.4	7.1	DLF
Record	3.9	3.9	3.9	3.7	8.7	7.9	DSV
Relevant	4.0	3.9	3.9	5.1	5.6	5.5	DSV
Boreal	3.2	3.5	3.3	3.9	4.9	4.9	Fa*
New Cultivars							
Jazzy (LA)	5.6	5.7	5.7	4.8	4.3	5.6	RAGT

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
Hard fescue (<i>Festuca longifolia</i>)							
Crystal	7.4	6.9	7.1	6.9	6.6	6.9	DLF/JNS/MM
Beacon	7.2	7.0	7.1	6.3	7.2	5.9	BAR
Sword	6.7	6.7	6.7	6.2	7.6	5.9	G
Hardtop	6.3	6.0	6.1	5.5	6.9	6.1	BAR
Dumas 1	5.9	5.9	5.9	6.3	6.7	5.9	DLF
Mentor	5.6	5.6	5.6	6.3	5.1	5.2	DSV
New Cultivars							
Barlegant (LA)	7.4	7.5	7.5	6.3	4.6	3.7	BAR
Sheep's fescue (<i>Festuca ovina</i>)							
Quatro	8.4	7.9	8.2	8.4	6.5	7.0	DLF/JNS
AberFleece	7.8	6.8	7.3	5.4	5.9	6.7	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
Browntop bent (<i>Agrostis capillaris</i>)								
Saulsbury (LA)	8.0	8.5	7.4	7.9	6.2	7.3	6.7	DLF/JNS
Charles	7.7	7.6	7.4	7.6	5.0	5.7	6.2	BAR
Arrowtown	7.1	6.9	7.4	7.1	5.5	5.5	6.1	DLF/JNS
BarkIng	6.8	6.7	7.3	6.9	5.5	7.0	5.8	BAR
Cleek	6.8	6.3	7.1	6.7	5.6	5.4	6.1	DLF/JNS/MM
AberRegal	6.7	6.5	6.9	6.7	5.7	7.4	6.6	G
Manor	6.6	6.4	7.1	6.7	5.9	5.6	5.4	DLF/JNS
Egmont	6.5	6.3	7.1	6.7	6.2	6.8	6.4	TG
Sefton	6.1	6.3	6.9	6.4	5.2	6.0	5.4	DLF/MM
Jorvik	6.3	6.3	6.5	6.4	4.9	6.1	6.9	DLF
New Cultivars								
Teetop	6.9	7.3	7.2	7.1	4.2	5.4	5.4	DLF
Highland bent (<i>Agrostis castellana</i>)								
Highland	4.2	4.3	4.3	4.3	5.0	8.0	4.8	Fa*
Creeping bent (<i>Agrostis stolonifera</i>)								
007 DSB	6.4	6.1	6.1	6.2	6.8	6.9	6.6	G

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	8.0	8.4	5.2	8.3	7.5	3.8	4.1	RAGT/BAR
Essential	7.4	7.2	6.9	7.2	7.2	6.9	6.5	OAS/TG
Armani	6.8	7.5	5.5	7.0	6.7	4.9	4.5	OAS/TG
Melyane	7.2	6.7	6.0	6.8	6.7	5.0	5.1	DSV
Barcesar	6.7	7.2	5.8	6.6	6.6	5.4	5.0	BAR
Granditte	7.2	5.8	6.9	6.5	6.6	7.0	6.7	OAS/TG
Debussy 1	6.6	6.1	6.3	6.6	6.4	7.1	7.2	DLF/JNS
Meandre	5.8	6.1	6.1	5.8	6.0	5.3	5.9	DSV
Foxhound	5.9	5.5	6.7	5.4	5.9	7.3	7.2	DLF
Turfway	5.9	5.7	6.4	5.4	5.9	7.4	7.1	TG
Grande II	5.7	5.4	5.4	5.6	5.5	6.5	6.6	OAS/TG
Starlett	5.4	4.8	5.3	5.3	5.2	6.2	6.0	DLF
New Cultivars								
Regenerate	8.9	6.4	7.4	7.7	7.6	6.9	6.6	DSV
Greenheaven	6.6	4.7	7.6	5.4	6.1	6.6	6.7	ICL

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	8.6	8.2	8.4	4.7	7.5	5.3	6.3	4.9	BAR
Desanto	6.3	6.7	6.4	6.2	6.4	5.4	5.9	5.6	DSV
Deshade	5.8	6.2	6.4	5.8	6.0	4.0	6.9	4.5	DSV

Series G
Greens, Close Mown Trials (Mown at 4-5mm)

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 spp.*) (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, mown at 4mm, in Table G1 (page 20). Currently there are no cultivars of velvet bentgrass listed for Turfgrass Seed.

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, such as (golf and bowling greens, mown at (5 mm), 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.

The cutting heights described above may be relaxed if required by turf management or climatic conditions.



Series G

Greens, Close Mown Trials (Mown at 4mm)

Table G1

Bentgrasses (*Agrostis* spp.)

Cultivar	Shoot Density	Visual Merit	Mean	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Browntop bent (<i>Agrostis capillaris</i>)								
Saulsbury (LA)	8.1	8.0	8.1	8.2	-	5.8	6.8	DLF/JNS
Howden (LA)	7.5	7.7	7.6	7.3	-	5.4	6.5	BAR
Charles	7.6	7.6	7.6	7.3	-	5.2	5.7	BAR
Arrowtown	7.0	7.2	7.1	6.8	5.9	4.7	5.7	DLF/JNS
Cleek	6.9	7.0	7.0	6.3	-	4.9	5.7	DLF/JNS/MM
Manor	6.8	7.0	6.9	6.4	5.5	5.4	5.4	DLF/JNS
Musket	6.6	6.9	6.8	6.8	-	5.9	5.6	G
BarKing	6.4	7.0	6.7	6.4	5.7	6.9	5.9	BAR
Egmont	6.6	6.7	6.7	6.2	6.1	6.4	6.6	TG
Sefton	6.5	6.8	6.6	6.7	5.1	5.5	5.1	DLF/MM
AberRegal	6.5	6.7	6.6	6.4	6.3	7.0	6.6	G
Teetop	6.5	6.5	6.5	6.5	-	4.4	5.1	DLF
Heritage	6.3	6.7	6.5	6.1	-	6.3	7.0	ICL
Jorvik	6.3	6.4	6.4	6.3	5.0	6.6	7.6	DLF
AberRoyal	6.2	6.3	6.3	6.2	5.8	6.8	6.7	G
Creeping bent (<i>Agrostis stolonifera</i>)								
Tour Pro (GDE)	6.6	7.0	6.8	6.6	-	5.4	5.3	G
Riptide	6.6	6.8	6.7	6.7	-	5.8	5.0	ICL
007 DSB	6.3	6.5	6.4	6.3	5.9	6.9	5.4	G
Cobra nova	6.3	6.3	6.3	6.3	6.0	7.4	5.9	DLF/JNS
Mackenzie	6.1	6.0	6.0	6.0	5.1	6.6	5.5	DSV
Proclamation	5.8	6.1	5.9	5.7	-	6.8	5.6	DSV

LA = Limited availability

- = Data not available

Series G
Greens, Close Mown Trials (Mown at 5mm)

Table G2
Chewings fescue (*Festuca rubra commutata*)

Cultivar	Shoot Density	Visual Merit	Mean	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Camanette	8.0	7.7	7.9	5.2	6.0	6.7	G/SMFR
Barlineus	8.0	7.7	7.9	7.2	6.9	5.5	BAR
Dancing	7.8	7.7	7.8	6.3	6.1	6.3	BAR
Filius	7.8	7.6	7.7	5.7	6.1	5.7	DSV
Bogart	7.6	7.7	7.7	6.6	5.2	5.5	DLF/JNS
EuroCarina	7.8	7.5	7.7	6.0	6.5	6.2	DSV
Orionette	7.3	7.9	7.6	7.1	5.2	5.0	DLF/JNS
Bargreen II	7.6	7.5	7.6	6.5	6.0	5.7	BAR
Ramona	7.4	7.6	7.5	7.2	6.0	6.2	DSV
Gima	7.4	7.5	7.4	5.7	5.8	5.9	DLF/JNS
Bodega	7.4	7.4	7.4	6.6	6.2	6.1	RAGT/BAR
Brittany	7.4	7.3	7.3	5.6	6.1	6.0	DLF/MM
Greensleeves	7.4	7.3	7.3	6.8	6.2	6.1	OAS/TG
Musica	7.3	7.4	7.3	6.2	6.0	6.5	BAR
Nikky	7.4	7.2	7.3	5.8	6.9	7.2	DLF/MM
Caldris	7.2	7.2	7.2	5.8	5.5	5.6	DLF/MM
Humboldt	7.2	7.0	7.1	5.9	6.6	6.6	DLF/JNS
Siskin	7.0	7.1	7.0	7.2	5.5	7.8	DLF/JNS
Annalena	7.2	6.9	7.0	4.0	7.2	7.7	DSV
Balkan	6.9	6.8	6.9	7.8	5.2	5.8	DLF
Esparina	6.8	6.7	6.8	7.0	6.2	8.0	DLF
Highnote	6.8	6.6	6.7	5.2	6.3	6.5	DLF
Belleaire	6.5	6.8	6.7	4.7	6.5	6.8	SUT/TG
Antoinette	6.8	6.5	6.7	6.1	6.6	6.2	DSV
Barchip	6.6	6.6	6.6	6.1	7.0	7.5	BAR
Greenmile	6.5	6.6	6.5	7.2	6.5	6.7	TG
Calliope	6.6	6.2	6.4	4.8	5.1	5.7	TG/DLF
Mission	6.3	6.3	6.3	5.3	7.6	7.8	DSV
Wagner 1	6.1	6.1	6.1	6.1	6.6	7.5	DLF
Joanna	6.2	5.8	6.0	4.5	7.0	7.5	G
Trophy	5.7	6.2	5.9	6.6	5.6	6.1	DLF/MM
Capriccio	5.9	5.6	5.8	6.4	4.6	6.0	DLF
New Cultivars							
Nightclub (LA)	7.9	7.8	7.9	4.6	5.2	4.9	BAR

LA = Limited availability

Greens

Series G

Greens, Close Mown Trials (Mown at 5mm)

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
Sybillie (LA)	8.4	8.3	8.4	7.6	4.6	6.2	DLF/MM
Barnoustie	8.3	8.5	8.4	7.3	6.1	5.4	BAR
Ola (LA)	7.5	8.2	7.8	7.2	4.6	4.3	BAR
Seroa	7.5	7.5	7.5	6.7	5.8	5.9	DLF/JNS
Barcrown	7.7	7.2	7.5	8.3	5.9	6.4	BAR
Beudin	7.4	7.5	7.4	7.0	5.5	5.1	OAS/TG
Cezanne	7.3	7.5	7.4	6.4	5.6	6.3	DLF/JNS
Absolom	7.1	7.7	7.4	7.8	4.2	5.0	DLF/JNS
Nigella	7.3	7.4	7.4	7.4	5.2	6.1	DLF/JNS
Viktorka	7.5	7.2	7.4	7.8	6.0	7.1	BAR
Cathy	7.2	7.2	7.2	6.4	4.6	5.5	DLF/MM
Barpearl	6.9	7.2	7.1	8.0	6.1	6.2	BAR
Cantando	6.8	7.0	6.9	5.2	6.5	6.2	RAGT
Aporina	6.8	7.0	6.9	6.5	6.0	5.5	DLF/MM
Charlotte	6.9	6.9	6.9	5.6	5.5	5.9	G/DSV
Teenie	6.9	6.5	6.7	6.4	7.2	6.5	DSV
Mirador	6.7	6.6	6.6	7.3	4.7	5.3	G
AberCharm	6.8	6.3	6.6	5.0	6.9	8.2	G
Aiglon	6.4	6.6	6.5	5.0	5.2	5.9	DLF
Sarolea	6.5	6.5	6.5	6.0	6.0	6.5	DLF
Musette	6.4	6.4	6.4	4.7	6.3	6.2	BAR
EuroMarie	6.4	6.4	6.4	4.7	7.2	6.0	DSV
Kasinski	6.5	6.2	6.3	6.3	8.1	8.1	DLF
Archibal	6.2	6.4	6.3	6.0	5.4	6.2	DLF
Reggae	6.3	6.3	6.3	3.8	6.5	6.0	BAR
Cathrine	6.1	6.0	6.0	5.7	8.2	7.8	DSV
Nicole	5.9	5.9	5.9	5.0	6.1	6.2	DSV
Smirna	5.7	5.8	5.7	5.7	5.5	5.3	DLF/MM
Borluna	5.7	5.7	5.7	5.8	5.5	7.5	G
Samanta	4.9	5.2	5.1	5.6	5.7	5.2	DLF
New Cultivars							
Barquess	7.9	8.3	8.1	7.0	5.1	3.7	BAR
Tasida (LA)	7.8	7.1	7.4	6.3	7.2	8.2	DSV
Coptic (LA)	7.3	7.0	7.2	6.3	6.3	6.6	DLF
Maryse	7.1	7.2	7.1	6.0	7.0	5.6	DLF/MM

LA = Limited availability

Series G
Greens, Close Mown Trials (Mown at 5-7mm)

Table G4
Perennial ryegrass (*Lolium perenne*)

Cultivar	Shoot Density	Visual Merit	Mean	Fineness of Leaf	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Barolympic	8.3	8.8	8.6	8.4	5.4	3.8	4.0	BAR
Clementine	7.1	7.2	7.2	6.5	6.1	5.6	5.3	DLF/JNS/TG
Cabrio	6.9	7.1	7.0	8.0	5.0	5.4	6.2	G/SMFR
Barsignum	6.8	6.9	6.8	6.9	6.5	5.8	7.1	BAR
Estelle	6.2	6.7	6.4	6.5	6.9	5.7	4.4	OAS/TG
Bargold	6.3	6.6	6.4	6.8	5.5	6.5	6.0	BAR
Chloe	6.4	6.5	6.4	6.2	5.8	5.8	5.1	DLF
Monroe	6.2	6.5	6.4	6.8	5.7	6.5	6.4	DLF/JNS
Barprrium	6.2	6.4	6.3	6.2	5.1	7.1	6.1	BAR
Singapore	6.3	6.3	6.3	6.9	6.7	5.0	4.9	DLF/MM
Dickens 1	6.2	6.3	6.3	6.0	5.7	5.6	5.0	DLF/JNS
Chardin	6.0	6.1	6.1	6.3	5.7	4.1	4.8	DLF/JNS
Cyrena	6.0	6.1	6.1	5.2	6.7	5.5	5.5	DLF/MM
Alison	5.9	6.1	6.0	5.9	5.9	7.1	6.1	DLF/MM
Escapade	6.1	5.8	6.0	6.1	6.8	6.1	6.6	G/SMFR
Antonella	5.9	5.9	5.9	6.0	6.6	6.0	6.8	TG
Eventus	5.7	6.0	5.8	6.9	6.8	6.5	7.1	DSV
Gianna	5.7	5.8	5.7	5.4	6.8	5.3	6.2	OAS/TG
Greenway	5.1	5.1	5.1	5.1	4.7	6.2	6.3	SUT/TG
Venice	5.1	5.0	5.0	5.1	7.0	5.0	5.3	DLF/MM
Columbine	5.1	4.9	5.0	5.0	4.9	6.9	6.5	DLF/TG
Mercitwo	4.8	4.8	4.8	4.9	6.6	5.4	5.6	OAS/TG
New Cultivars								
Totoro (LA)	8.3	7.6	7.9	7.4	8.6	5.2	5.5	DLF
Ponyo (LA)	7.3	7.0	7.2	7.1	5.8	5.7	6.1	DLF
Elva (LA)	6.9	7.1	7.0	7.0	7.5	6.1	5.9	DLF
Clochette (LA)	7.0	7.0	7.0	7.5	6.9	5.9	7.3	G/SMFR
Aniston	6.1	6.2	6.2	6.1	6.6	6.6	5.6	DLF/JNS

LA = Limited availability

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

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.

Series G
Greens, Close Mown Trials (Mown at 4-5mm)

Table G5
Continued

Cultivar	Shoot Density	Visual Merit	Mean	Resistance to Red Thread	Winter Greenness	Summer Greenness	UK Agent
Hard fescue (<i>Festuca longifolia</i>)							
Hardtop	6.6	6.3	6.5	7.1	7.9	7.1	BAR
New Cultivars							
Mentor	4.8	4.9	4.8	7.0	5.4	6.3	DSV
Sheep's fescue (<i>Festuca ovina</i>)							
Quatro	8.2	8.1	8.2	7.2	7.4	7.5	DLF/JNS
Strong creeping red fescue (<i>Festuca rubra rubra</i>)							
Rossinante	5.9	6.3	6.1	5.9	5.7	5.4	DLF/JNS
Barrissee	6.0	6.0	6.0	0.0	5.4	5.1	BAR
Runa	5.5	5.6	5.5	5.8	5.6	5.0	DLF
Hastings	5.3	5.5	5.4	4.9	5.4	5.2	OAS/TG

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						
Sabrena 1	-	5.4	8.2	5.0	8.0	DLF

Notes:
1 Comparable with smooth-stalked meadow-grass
- = Data not available

Cultivar	Species	Tables	Cultivar	Species	Tables
Abalina	Smooth-stalked meadow-grass	S2 L2	Baromario	Perennial ryegrass	S1 L1
AberCharm	Slender creeping red fescue	L4 G3	Barorlando	Perennial ryegrass	S1 L1
AberFleece	Sheep's fescue	L6	Barpearl	Slender creeping red fescue	L4 G3
AberRegal	Browntop bent	L7 G1	Barpersie	Perennial ryegrass	S1 L1
AberRoyal	Browntop bent	G1	Barprrium	Perennial ryegrass	S1 L1 G4
AberWin (LA)	Perennial ryegrass	S1 L1	Barquess	Slender creeping red fescue	L4 G3
Absolom	Slender creeping red fescue	L4 G3	Barrisre	Strong creeping red fescue	L5 G5
Acapulco (LA)	Perennial ryegrass	S1 L1	Barsignum	Perennial ryegrass	S1 L1 G4
Agreement	Perennial ryegrass	S1	Barthierry	Perennial ryegrass	S1
Aiglon	Slender creeping red fescue	L4 G3	Barustic	Strong creeping red fescue	L5
Alathea	Perennial ryegrass	S1 L1	Barzico	Perennial ryegrass	S1 L1
Alboka	Perennial ryegrass	S1 L1	Beacon	Hard Fescue	L6
Alison	Perennial ryegrass	S1 L1 G4	Becca	Smooth-stalked meadow-grass	S2 L2
Altivo	Perennial ryegrass	S1 L1	Beckham	Perennial ryegrass	S1 L1
Angelina	Perennial ryegrass	S1 L1	Belleaire	Chewings fescue	L3 G2
Aniston	Perennial ryegrass	S1 L1 G4	Benji	Strong creeping red fescue	L5
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	Bizet 1	Perennial ryegrass	S1 L1
Antonella	Perennial ryegrass	S1 L1 G4	Bluenote	Smooth-stalked meadow-grass	S2 L2
Aporina	Slender creeping red fescue	L4 G3	Bodega	Chewings fescue	L3 G2
Archibal	Slender creeping red fescue	L4 G3	Bogart	Chewings fescue	L3 G2
Armani	Tall fescue	S3 L8	Bonnie	Perennial ryegrass	S1 L1
Arrowtown	Browntop bent	L7 G1	Boreal	Strong creeping red fescue	L5
Arya (LA)	Smooth-stalked meadow-grass	S2	Borluna	Slender creeping red fescue	G3
Balkan	Chewings fescue	L3 G2	Borsala	Smooth-stalked meadow-grass	S2 L2
Baniva (LA)	Slender creeping red fescue	L4	Brittany	Chewings fescue	L3 G2
Baradona	Perennial ryegrass	S1 L1	Cabrio	Perennial ryegrass	L1 G4
Barbasten	Perennial ryegrass	S1 L1	Cadix	Perennial ryegrass	S1 L1
Barcampsia	Tufted hair-grass	S4 L9	Caldris	Chewings fescue	L3 G2
Barcesar	Tall fescue	S3 L8	Calico	Perennial ryegrass	S1 L1
Barchip	Chewings fescue	L3 G2	Calliope	Chewings fescue	G2
Barcristalla	Perennial ryegrass	S1 L1	Camanette	Chewings fescue	L3 G2
Barcrown	Slender creeping red fescue	L4 G3	Cameron	Perennial ryegrass	S1 L1
Bardorado	Perennial ryegrass	S1	Cantando	Slender creeping red fescue	L4 G3
Bargold	Perennial ryegrass	S1 L1 G4	Capriccio	Chewings fescue	L3 G2
Bargreen II	Chewings fescue	G2	Carnac	Perennial ryegrass	S1 L1
Barhelene	Smooth-stalked meadow-grass	S2 L2	Cathrine	Slender creeping red fescue	L4 G3
Bariris	Smooth-stalked meadow-grass	S2 L2	Cathy	Slender creeping red fescue	L4 G3
Barjessica	Strong creeping red fescue	L5	Ceretec		
BarKing	Browntop bent	L7 G1	Centurion	Perennial ryegrass	S1
Barlegant (LA)	Hard Fescue	L6	Cezanne	Slender creeping red fescue	L4 G3
Barlexas II	Tall fescue	S3	Chardin	Perennial ryegrass	S1 L1 G4
Barlicum	Perennial ryegrass	S1 L1	Charles	Browntop bent	L7 G1
Barlineus	Chewings fescue	L3 G2	Charlotte	Slender creeping red fescue	L4 G3
Barnoustie	Slender creeping red fescue	L4 G3	Chloe	Perennial ryegrass	S1 L1 G4
Barolympic	Perennial ryegrass	S1 L1 G4	Claudine	Perennial ryegrass	S1 L1

Cultivar	Species	Tables
Cleek	Browntop bent	L7 G1
Clementine	Perennial ryegrass	S1 L1 G4
Cleopatra	Perennial ryegrass	S1 L1
Clochette (LA)	Perennial ryegrass	S1 L1 G4
Cobra nova	Creeping bent	G1
Coldplay (LA)	Perennial ryegrass	S1
Coletta	Perennial ryegrass	L1
Columbine	Perennial ryegrass	S1 L1 G4
Conni	Smooth-stalked meadow-grass	S2 L2
Coptic (LA)	Slender creeping red fescue	G3
Corail	Strong creeping red fescue	L5
Corsica	Perennial ryegrass	L1
Creepstar	Perennial ryegrass	S1 L1
Crystal	Hard Fescue	L6
Cyrena	Perennial ryegrass	S1 L1 G4
Dakisha	Smooth-stalked meadow-grass	S2 L2
Dancing	Chewings fescue	L3 G2
Dauntless	Smooth-stalked meadow-grass	S2 L2
Debussy 1	Tall fescue	S3 L8
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
Django (LA)	Perennial ryegrass	S1 L1
Double	Perennial ryegrass	S1s
Dumas 1	Hard Fescue	L6
Duparc	Perennial ryegrass	S1 L1
Duranova	Perennial ryegrass	S1 L1
EG Resistus	Perennial ryegrass	S1 L1
Egmont	Browntop bent	L7 G1
Elva (LA)	Perennial ryegrass	S1 G4
Enigma	Smooth-stalked meadow-grass	S2
Escapade	Perennial ryegrass	S1 L1 G4
Esparina	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	Perennial ryegrass	S1 L1
Eurobeat	Perennial ryegrass	S1 L1
EuroCarina	Chewings fescue	L3 G2
EuroCordus	Perennial ryegrass	S1 L1
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
Fabian	Perennial ryegrass	S1s
Fancy	Perennial ryegrass	S1
Fandango	Perennial ryegrass	S1 L1
Filius	Chewings fescue	L3 G2
Fiona (LA)	Perennial ryegrass	S1
Foxhound	Tall fescue	S3 L8
Gianna	Perennial ryegrass	S1 L1 G4

Cultivar	Species	Tables
Gildara	Perennial ryegrass	S1 L1
Gima	Chewings fescue	L3 G2
Gladys	Perennial ryegrass	S1 L1
Grande II	Tall fescue	S3 L8
Granditte	Tall fescue	S3 L8
Greenheaven	Tall fescue	S3 L8
Greenmile	Chewings fescue	L3 G2
Greenplanet	Perennial ryegrass	S1
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
Guinevere (LA)	Perennial ryegrass	S1 L1
Gwynett	Perennial ryegrass	S1 L1
Hardtop	Hard Fescue	L6 G5
Hastings	Strong creeping red fescue	L5 G5
Hayley	Perennial ryegrass	S1
Heidrun	Strong creeping red fescue	L5
Heritage	Browntop bent	G1
Highland	Highland bent	L7
Highnote	Chewings fescue	L3 G2
HipHop	Chewings fescue	L3
Howden (LA)	Browntop bent	G1
Humboldt	Chewings fescue	L3 G2
Isadora	Smooth-stalked meadow-grass	S2 L2
Jasperina	Strong creeping red fescue	L5
Jazzy (LA)	Strong creeping red fescue	L5
Joanna	Chewings fescue	L3 G2
Joker (LA)	Smooth-stalked meadow-grass	S2 L2
Jorvik	Browntop bent	L7 G1
Joshua	Strong creeping red fescue	L5
Jubilee EG	Perennial ryegrass	S1 L1
Julius	Smooth-stalked meadow-grass	S2 L2
Kasinski	Slender creeping red fescue	G3
Kolosos	Strong creeping red fescue	L5
Kyenna (LA)	Smooth-stalked meadow-grass	S2
Lamar (LA)	Perennial ryegrass	S1 L1
Lancelot	Perennial ryegrass	S1 L1
Lautrec	Perennial ryegrass	S1 L1
Laverda	Strong creeping red fescue	L5
Limousine	Smooth-stalked meadow-grass	S2 L2
Lincolnshire	Smooth-stalked meadow-grass	S2 L2
Lionel	Perennial ryegrass	S1 L1
Lize	Perennial ryegrass	S1 L1
Mackenzie	Creeping bent	G1
Magitte	Strong creeping red fescue	L5
Malibu	Perennial ryegrass	L1
Mandalay	Perennial ryegrass	S1 L1
Manor	Browntop bent	L7 G1
Maracas (LA)	Strong creeping red fescue	L5
Markus	Smooth-stalked meadow-grass	S2 L2
Martinella	Perennial ryegrass	S1 L1
Maryse	Slender creeping red fescue	L4 G3
Maxima 1	Strong creeping red fescue	L5
Meandre	Tall fescue	L8

Cultivar	Species	Tables
Meara	Perennial ryegrass	S1 L1
Melbourne	Perennial ryegrass	S1 L1
Melisandra	Perennial ryegrass	S1 L1
Mellori	Strong creeping red fescue	L5
Melyane	Tall fescue	S3 L8
Mentor	Hard Fescue	L6 G5
Mercitwo	Perennial ryegrass	S1 L1 G4
Minnelli (LA)	Perennial ryegrass	S1
Miracle	Smooth-stalked meadow-grass	S2 L2
Mirador	Slender creeping red fescue	L4 G3
Mission	Chewings fescue	L3 G2
Mistral	Perennial ryegrass	S1
Mocora	Perennial ryegrass	S1 L1
Monroe	Perennial ryegrass	S1 L1 G4
Morisot	Perennial ryegrass	S1 L1
Mumbai	Perennial ryegrass	S1 L1
Musette	Slender creeping red fescue	L4 G3
Musica	Chewings fescue	L3 G2
Musket	Browntop bent	G1
Nagano	Perennial ryegrass	S1 L1
Neruda 1	Perennial ryegrass	L1
Nicole	Slender creeping red fescue	L4 G3
Nigella	Slender creeping red fescue	L4 G3
Nightclub (LA)	Chewings fescue	L3 G2
Nikky	Chewings fescue	L3 G2
Ola (LA)	Slender creeping red fescue	L4 G3
007 DSB	Creeping bent	L7 G1
Orionette	Chewings fescue	L3 G2
Pascal	Perennial ryegrass	S1 L1
Passion	Perennial ryegrass	S1 L1
Penelope	Perennial ryegrass	S1 L1
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
Ponyo (LA)	Perennial ryegrass	S1 G4
PowerPlay	Smooth-stalked meadow-grass	S2 L2
Proclamation	Creeping bent	G1
Promotor	Perennial ryegrass	S1 L1
Quatro	Sheep's fescue	L6 G5
Quintet	Strong creeping red fescue	L5
Ramona	Chewings fescue	L3 G2
Record	Strong creeping red fescue	L5
Regenerate	Tall fescue	S3 L8
Reggae	Slender creeping red fescue	L4 G3
Relevant	Strong creeping red fescue	L5
RGT Klaxon	Perennial ryegrass	L1
RGT Nuance	Tall fescue	S3 L8
Riptide	Creeping bent	G1
Roseanne	Perennial ryegrass	S1 L1
Rossinante	Strong creeping red fescue	L5 G5
Runa	Strong creeping red fescue	L5 G5
Ryder	Strong creeping red fescue	L5
Sabrena 1	Rough stalked meadow-grass	M
Saila	Perennial ryegrass	S1 L1

Cultivar	Species	Tables
Samanta	Slender creeping red fescue	L4 G3
Saopaulo	Perennial ryegrass	S1 L1
Sarolea	Slender creeping red fescue	L4 G3
Saulsbury (LA)	Browntop bent	L7 G1
Sefton	Browntop bent	L7 G1
Sergei	Strong creeping red fescue	L5
Seroa	Slender creeping red fescue	L4 G3
Shazam	Perennial ryegrass	S1 L1
Singapore	Perennial ryegrass	S1 L1 G4
Sirtaky	Perennial ryegrass	L1
Siskin	Chewings fescue	L3 G2
Smirna	Slender creeping red fescue	L4 G3
Sombrero	Smooth-stalked meadow-grass	S2 L2
Starlett	Tall fescue	L8
Starling	Perennial ryegrass	S1 L1
Stravinsky	Perennial ryegrass	S1 L1
Sword	Hard Fescue	L6
Sybill (LA)	Slender creeping red fescue	L4 G3
Tasida (LA)	Slender creeping red fescue	L4 G3
Teenie	Slender creeping red fescue	L4 G3
Teetop	Browntop bent	L7 G1
Tetraboom (LA)	Perennial ryegrass	S1s
Tetradry	Perennial ryegrass	S1s
Tetragame	Perennial ryegrass	S1s
Tetragon (LA)	Perennial ryegrass	S1s
Tetragreen	Perennial ryegrass	S1s
Tetramagic	Perennial ryegrass	S1s
Tetrasport	Perennial ryegrass	S1s
Tetrastar	Perennial ryegrass	S1s
Tetris	Smooth-stalked meadow-grass	S2
Torsion	Perennial ryegrass	S1 L1
Totoro (LA)	Perennial ryegrass	S1 G4
Tour Pro (GDE)	Creeping bent	G1
Traction	Smooth-stalked meadow-grass	S2
Transate	Perennial ryegrass	S1 L1
Trophy	Chewings fescue	L3 G2
Turfgold	Perennial ryegrass	S1 L1
Turfway	Tall fescue	S3 L8
Venice	Perennial ryegrass	L1 G4
Veralynn (LA)	Perennial ryegrass	S1
Vermillion	Perennial ryegrass	L1
Vertech	Perennial ryegrass	S1
Vesuvius	Perennial ryegrass	S1 L1
Viktorka	Slender creeping red fescue	L4 G3
Vulcanus	Perennial ryegrass	L1
Wagner 1	Chewings fescue	L3 G2
Xiamara	Smooth-stalked meadow-grass	S2 L2
Ximena	Smooth-stalked meadow-grass	S2 L2
Yvette	Smooth-stalked meadow-grass	S2 L2
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

Thorn Farm, Inkberrow,
Worcestershire, WR7 4LJ
Tel: 01386 790012, Fax: 01386 792715
E-mail: amenity@dlf.co.uk www.dlf.co.uk

DSV DSV United Kingdom Ltd.

Top Dawkins Barn, Upper Wardington, Banbury,
Oxon, OX17 1FE
Tel: 01295 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.

DLF/MM DLF/MM

Thorn Farm, Inkberrow, Worcestershire WR7 4LJ
Tel: 01386 719758
E-mail: mmdesigner@dlf.co.uk
www.mm-seeds.co.uk

OAS Origin Amenity Solutions Ltd

1-3 Freeman Court, Jarman Way, Royston,
Hertfordshire SG8 5HW
Tel: 01763 255500

RGT RAGT Seeds

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

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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