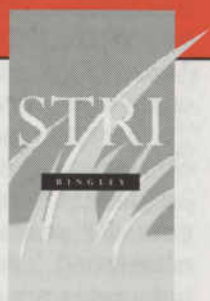


TURFGRASS SEED 1997



Published by STRI, BINGLEY, WEST YORKSHIRE, BD16 1AU, ENGLAND
with financial assistance from members of the UK seed trade

CONTENTS

	Page
Amenity grass testing	2
Using Turfgrass Seed 1997	2
Perennial ryegrass	4-6
Chewings, slender creeping and strong creeping red fescues	7-10
Miscellaneous fescues	11
Browntop and creeping bents	11-12
Smooth-stalked meadow-grass	13-14
Tall fescue	14
Other turfgrass species	15
UK agents	16

AMENITY GRASS TESTING AT THE SPORTS TURF RESEARCH INSTITUTE (STRI)

The STRI is the only independent organisation in the United Kingdom that conducts merit tests on cultivars of amenity grasses. The testing programme has developed over the past 30 years and is now well established. At the STRI the fine turfgrasses are evaluated for use in: close-mown turf for golf and bowling greens, ornamental lawns, golf fairways and for low maintenance uses. Coarse turfgrasses are tested for use in: football and Rugby pitches, lawns and low maintenance situations. All amenity grass cultivars named in this booklet are maintained in current trials at the STRI. These trials can be viewed by appointment.

USING TURFGRASS SEED 1997

The lists contained within 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, with the exception of colour, is presented in the form of numerical scores. In each column larger numbers are better, 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.

Cultivars of the major turfgrass species have been placed in order of suitability for particular uses. Users should read the text regarding the selection of grasses for each table to determine if

this order suits their particular needs. The characteristics that have been used to determine this ranking order have been shaded. Where more than one characteristic has been used a column for the mean has been calculated and added to the table. Where 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.** Columns for colour in summer and winter describe actual greenness. These ratings are not merit ratings. Users should select grasses according to personal preferences. The ratings given are: **LG** = light green; **MG** = mid-green and; **DG** = dark green.

Seed of all cultivars named should be available in the UK in 1997, but in smaller amounts where shown as LA (limited availability). The full names and addresses for the UK agents given in the tables are shown on page 16.

PERENNIAL RYEGRASS (TABLES 1.1 AND 1.2)

Two tables are shown with the cultivars ranked according to different sets of criteria. Table 1.1 is based on mean wear tolerance over low and high fertiliser inputs, recognising the importance of this characteristic for sports pitches receiving intensive wear during winter, such as soccer and Rugby pitches. Table 1.2 is based on

the mean performance for shoot density, fineness of leaf, tolerance of close mowing and cleanness of cut. This table should be taken as a guide for cultivars suitable for finer turf situations, e.g. in lawns, general landscaping, cricket fields etc. Two columns for short growth are given. A column for slow regrowth under frequent cutting in Table 1.1 and both this column and a column for short growth under infrequent cutting (for low maintenance uses) in Table 1.2. To maintain an acceptable grass height for winter sports, cultivars that score highly for short regrowth would require fewer cuts and produce less clippings.

Each of the two tables has been split into two sections to give a main table and a new cultivar table. The latter section is reserved for cultivars that have only been in the most recent set of STRI trials. The scores in this section should be treated with less certainty than the scores in the main section.

Tables 1.1 and 1.2 rank the cultivars according to means of different characteristics. It is unlikely, however, that these rankings will suit all situations. **Users should not, therefore, pick cultivars just because they appear towards the top of the list. They should identify the particular properties that are important in their individual situations and choose cultivars that score well for those characteristics.** In soccer and Rugby pitches, for example, it may be better

to choose a cultivar with reduced susceptibility to red thread disease, if this can be done without compromising too much on wear tolerance. Choosing a shorter growing cultivar with a high score for slow regrowth will help if reduced mowing frequency is required. Additionally, where good appearance is particularly required before wear, or in low wear situations, good shoot density, fineness of leaf and cleanness of cut scores will be important.

CHEWINGS FESCUES AND SLENDER CREEPING RED FESCUES (TABLES 2.1, 2.2, 3.1 AND 3.2)

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 mm) and for more general uses such as lawns and golf fairways. The order for very close mown turf was determined from the mean of each cultivar's tolerance of close mowing and shoot density scores (Tables 2.1 and 3.1). For general turf, the cultivars have been placed in order of shoot density (Tables 2.2 and 3.2). The new cultivar section of each table contains cultivars that have recently become available, but have only been assessed in the latest STRI trials. Information for cultivars in this category should be treated with less certainty than that given for the more established cultivars in the main body of each table. **It should be noted that the individual merit ratings for each characteristic, excluding shoot density scores, are comparable**

TABLE 1.1

PERENNIAL RYEGRASS FOR WINTER PITCHES (SOCCER, RUGBY etc)

Important: Read pages 2 and 3 before evaluating cultivars.

Cultivar	Wear tolerance		Mean	Shoot density	Fineness of leaf	Cleansness of cut	Slow regrowth (regular mowing)	Freedom from red thread	Winter greenness	UK agent
	Low N	High N								
Master	8.3	7.7	8.0	4.5	4.5	4.6	5.6	6.6	DG	SI
Barlinda	7.5	8.2	7.9	5.6	6.4	5.4	6.1	6.2	DG	Bar
Allegro	7.7	7.4	7.5	5.1	4.9	6.1	6.4	4.9	MG	DLF
Bardessa	7.8	7.1	7.4	6.3	6.7	6.5	5.5	7.6	DG	Bar
Meteor	7.5	7.4	7.4	6.0	6.3	4.0	5.8	6.8	DG	BSH
Barlow	7.7	7.0	7.3	5.6	6.3	6.0	6.7	5.8	DG	Bar
Barclay	6.7	7.4	7.1	6.2	6.6	5.8	6.0	6.3	MG	Bar
Barrage	7.4	6.7	7.1	4.9	4.3	5.5	6.2	6.0	DG	Bar
Rambo	6.7	7.1	6.9	6.9	7.1	4.6	5.5	5.9	DG	FL
Chagall	7.1	6.7	6.9	6.1	6.7	5.1	5.3	4.8	DG	SI
Caddy	6.8	6.9	6.8	6.6	5.8	6.7	5.5	6.9	DG	Jns
Cartel	6.6	6.9	6.8	5.8	5.4	3.9	5.8	5.0	DG	Jns
Avenue	6.5	6.6	6.6	6.3	6.1	5.1	6.6	5.6	MG	SIL
Troubadour	6.9	6.2	6.5	6.1	6.9	5.8	6.3	5.8	DG	PC
Taya	6.0	7.0	6.5	5.2	5.5	6.0	7.1	4.5	MG	DLF
Lisabelle	6.7	6.3	6.5	6.4	6.3	5.1	5.8	5.9	LG	PHL
Queens	6.6	6.5	6.5	6.3	6.0	6.1	6.4	6.0	DG	FL
Mondial	6.6	6.4	6.5	5.2	4.7	6.3	5.7	5.5	DG	Mom
Gerona	6.5	6.4	6.5	5.5	5.5	5.6	5.5	5.9	DG	Mom
Cavalier	6.4	6.5	6.5	6.4	5.6	6.3	6.2	6.7	DG	SIL
Score	6.2	6.7	6.4	5.0	4.2	3.1	4.5	5.2	MG	FL
Danilo	6.4	6.4	6.4	6.7	6.6	7.1	5.4	5.8	DG	DLF
Delaware (LA)	6.0	6.7	6.3	6.6	6.0	7.0	7.1	6.6	DG	DLF
Advent (LA)	6.2	6.5	6.3	7.1	6.3	6.8	7.0	7.1	MG	PC
Martina	5.9	6.6	6.3	5.7	5.4	6.2	6.4	6.1	DG	DLF
Liselotte	6.3	6.2	6.2	5.5	6.4	5.4	6.3	5.9	MG	PHL
Superstar	6.1	6.2	6.2	7.0	6.7	4.4	5.4	5.7	MG	FL
Hermes	5.6	6.6	6.1	4.6	3.5	5.1	4.4	6.7	MG	BSH
Jetta	6.4	5.8	6.1	5.0	5.7	4.6	5.7	5.7	DG	PC
Barry	6.0	6.2	6.1	6.1	4.9	5.7	6.9	5.8	DG	Bar
Barcredo	6.5	5.6	6.0	6.6	6.5	7.2	6.6	6.0	MG	Bar
Elka	6.2	5.7	6.0	7.5	7.4	7.0	6.6	5.2	DG	SI
Lorina	6.3	5.5	5.9	7.5	6.1	7.4	7.5	6.0	DG	BSH
Langa	6.0	5.8	5.9	5.5	5.4	5.8	6.0	7.0	DG	SI
Gator	5.9	5.8	5.8	5.2	5.7	6.3	6.2	6.1	DG	BSH
Juwel	5.7	6.0	5.8	4.7	4.5	4.6	6.4	5.0	DG	PHL
Numan	5.9	5.7	5.8	6.7	6.6	7.1	6.1	6.5	DG	PC
Prester	5.4	5.4	5.4	5.7	4.5	7.1	5.6	6.7	DG	Jns
New cultivars										
Eden (LA)	7.1	8.6	7.8	6.5	5.6	6.8	5.6	6.2	DG	FL
Plaisir (LA)	8.0	7.7	7.8	6.9	6.7	5.4	6.1	6.3	DG	PHL
Garros (LA)	7.2	8.1	7.7	5.6	6.5	6.2	5.9	6.5	DG	FL
Dancer	7.4	6.9	7.2	7.5	7.3	6.9	7.1	6.0	—	Mom
Vienna (LA)	7.6	6.9	7.2	5.7	7.1	5.7	5.6	6.0	DG	Mom
Verdi	5.9	8.1	7.0	7.2	4.3	6.4	6.7	6.6	—	PHL
Leon (LA)	8.1	5.1	6.6	5.4	4.5	5.2	3.5	6.0	DG	S2T
Brightstar	6.6	6.3	6.4	7.1	6.6	7.8	7.7	8.2	DG	SI
Ace (LA)	6.7	6.2	6.4	8.0	7.7	7.0	6.0	6.0	DG	FL
Boulevard (LA)	7.7	5.0	6.4	5.1	6.0	7.1	5.4	6.4	—	SIL

TABLE 1.2
PERENNIAL RYEGRASS (*Lolium perenne*) FOR LAWNS,
LANDSCAPING, CRICKET FIELDS etc.

Important: Read pages 2 and 3 before evaluating cultivars.

Cultivar	Tolerance of close mowing	Shoot density	Fineness of leaf	Cleanliness of cut	Mean	Slow regrowth (regular mowing)	Short growth (in-frequent mowing)	Freedom from red thread	Summer greenness	Winter greenness	UK agent
Belleuve	7.9	8.7	8.0	6.5	7.8	6.6	7.8	7.3	—	DG	SI
Dali (LA)	7.8	8.0	7.8	7.3	7.7	6.0	7.2	5.0	MG	DG	Jns/SIL
Amadeus	8.0	7.8	7.5	7.2	7.7	6.3	6.5	5.8	DG	DG	Mom
Lex86	6.9	7.8	7.0	7.6	7.3	7.1	6.6	5.3	MG	MG	BSH
Elka	7.0	7.5	7.4	7.0	7.2	6.6	7.1	5.2	MG	DG	SI
Elegana	6.9	7.3	7.7	7.0	7.2	5.8	6.0	5.3	LG	DG	SI
Merci	7.5	7.6	7.7	5.8	7.1	6.7	7.8	5.6	DG	DG	FL
Lorina	7.5	7.5	6.1	7.4	7.1	7.5	7.6	6.0	DG	DG	BSH
Advent (LA)	7.0	7.1	6.3	6.8	6.8	7.0	6.1	7.1	LG	MG	PC
Danilo	6.7	6.7	6.6	7.1	6.8	5.4	6.4	5.8	MG	DG	DLF
Barcredo	6.4	6.6	6.5	7.2	6.7	6.6	7.2	6.0	DG	MG	Bar
Bardessa	7.0	6.3	6.7	6.5	6.6	5.5	5.5	7.6	DG	DG	Bar
Delaware (LA)	6.9	6.6	6.0	7.0	6.6	7.1	5.8	6.6	LG	DG	DLF
Numan	6.1	6.7	6.6	7.1	6.6	6.1	5.3	6.5	MG	DG	PC
Caddy	6.7	6.6	5.8	6.7	6.5	5.5	6.1	6.9	DG	DG	Jns
Ronja	5.3	5.8	7.6	7.0	6.4	6.6	5.5	5.6	MG	DG	SW
Rambo	7.2	6.9	7.1	4.6	6.4	5.5	6.4	5.9	MG	DG	FL
Barclay	6.8	6.2	6.6	5.8	6.3	6.0	5.6	6.3	DG	MG	Bar
Flair	7.0	6.7	6.9	4.7	6.3	5.9	6.1	6.1	MG	MG	FL
Renoir (LA)	6.6	6.7	6.1	5.9	6.3	6.4	5.6	5.3	DG	DG	SIL
Talgo	6.2	6.1	6.6	6.4	6.3	6.2	5.7	5.8	MG	MG	BSH
Capri	6.1	6.2	6.7	6.2	6.3	6.0	5.4	7.3	DG	DG	FL
Superstar	6.8	7.0	6.7	4.4	6.3	5.4	6.4	5.7	DG	MG	FL
Queens	6.3	6.3	6.0	6.1	6.2	6.4	6.3	6.0	DG	DG	FL
Troubadour	5.7	6.1	6.9	5.8	6.1	6.3	5.7	5.8	MG	DG	PC
Cavalier	6.1	6.4	5.6	6.3	6.1	6.2	5.7	6.7	MG	DG	SIL
Chagall	6.4	6.1	6.7	5.1	6.1	5.3	5.6	4.8	DG	DG	SI
Avenue	6.6	6.3	6.1	5.1	6.0	6.6	6.8	5.6	MG	MG	SIL
Lisabelle	6.3	6.4	6.3	5.1	6.0	5.8	6.2	5.9	DG	LG	PHL
Barlow	5.6	5.6	6.3	6.0	5.9	6.7	6.8	5.8	DG	DG	Bar
Figaro	5.8	6.0	6.8	4.7	5.8	5.4	4.7	5.7	MG	DG	DLF
Barlinda	5.8	5.6	6.4	5.4	5.8	6.1	6.6	6.2	MG	DG	Bar
Liselotte	5.9	5.5	6.4	5.4	5.8	6.3	6.7	5.9	MG	MG	PHL
Martina	5.9	5.7	5.4	6.2	5.8	6.4	6.3	6.1	LG	DG	DLF
Corso	5.5	5.6	5.2	6.9	5.8	6.2	5.4	5.4	DG	DG	PC
Barry	6.3	6.1	4.9	5.7	5.8	6.9	5.5	5.8	LG	DG	Bar
Prester	5.5	5.7	4.5	7.1	5.7	5.6	7.0	6.7	DG	DG	Jns
Kelvin	5.5	5.5	4.9	7.0	5.7	6.3	7.0	7.2	DG	DG	Jns
Meteor	6.1	6.0	6.3	4.0	5.6	5.8	6.2	6.8	DG	DG	BSH
Gator	5.3	5.2	5.7	6.3	5.6	6.2	5.7	6.1	MG	DG	BSH
Langa	5.4	5.5	5.4	5.8	5.5	6.0	5.9	7.0	DG	DG	SI
Gerona	5.3	5.5	5.5	5.6	5.5	5.5	6.1	5.9	DG	DG	Mom
Taya	5.2	5.2	5.5	6.0	5.5	7.1	5.7	4.5	MG	MG	DLF
Boston	4.9	5.0	4.8	7.1	5.5	6.6	5.4	6.5	DG	DG	Mom
Cartel	6.3	5.8	5.4	3.9	5.3	5.8	5.6	5.0	DG	DG	Jns
Allegro	5.2	5.1	4.9	6.1	5.3	6.4	5.9	4.9	MG	MG	DLF
Mondial	5.1	5.2	4.7	6.3	5.3	5.7	6.3	5.5	DG	DG	Mom
Cherokee	5.3	5.2	4.8	5.7	5.2	5.8	5.7	5.9	MG	MG	Jns
Rival	5.3	5.2	4.7	5.5	5.2	5.4	5.3	5.2	MG	MG	SI/Mom

Table 2 continued on next page.

TABLE 1.2 Continued
PERENNIAL RYEGRASS (*Lolium perenne*) FOR LAWNS,
LANDSCAPING, CRICKET FIELDS etc.

Cultivar	Tolerance of close mowing	Shoot density	Fineness of leaf	Cleanness of cut	Mean	Slow regrowth (regular mowing)	Short growth (in-frequent mowing)	Freedom from red thread	Summer greenness	Winter greenness	UK agent
Jetta	4.8	5.0	5.7	4.6	5.0	5.7	6.2	5.7	DG	DG	PC
Barrage	5.1	4.9	4.3	5.5	5.0	6.2	5.3	6.0	MG	DG	Bar
Pavo	4.6	4.7	5.1	5.3	4.9	5.2	4.7	5.8	DG	DG	SW
Hermes	5.0	4.6	3.5	5.1	4.5	4.4	5.0	6.7	DG	MG	BSH
Master	4.2	4.5	4.5	4.6	4.4	5.6	4.7	6.6	MG	DG	SI
Score	5.4	5.0	4.2	3.1	4.4	4.5	5.4	5.2	DG	MG	FL
New cultivars											
Ace (LA)	8.1	8.0	7.7	7.0	7.7	6.0	6.8	6.0	—	DG	FL
Dancer	7.7	7.5	7.3	6.9	7.3	7.1	7.2	6.0	LG	—	Mom
Brightstar	7.3	7.1	6.6	7.8	7.2	7.7	7.1	8.2	—	DG	SI
Livonne	7.3	7.0	6.8	6.7	6.9	6.3	6.7	4.3	—	MG	PHL
Envy	7.7	7.4	5.0	6.6	6.7	4.7	5.5	5.8	MG	—	Jns
Plaisir (LA)	7.5	6.9	6.7	5.4	6.6	6.1	5.3	6.3	—	DG	PHL
Eden (LA)	7.2	6.5	5.6	6.8	6.5	5.6	8.2	6.2	—	DG	FL
Fancy	6.3	6.3	6.3	7.2	6.5	6.8	6.0	7.1	—	DG	SI
Sensation (LA)	7.6	6.8	6.6	4.0	6.3	6.2	5.9	7.5	MG	—	SIL
Verdi	6.9	7.2	4.3	6.4	6.2	6.7	7.3	6.6	LG	—	PHL
Vienna (LA)	6.0	5.7	7.1	5.7	6.1	5.6	5.5	6.0	—	DG	Mom
Garros (LA)	6.2	5.6	6.5	6.2	6.1	5.9	6.7	6.5	—	DG	FL
Repell	6.5	6.6	5.0	6.2	6.1	4.9	6.1	7.3	DG	—	SI
Boulevard (LA)	4.6	5.1	6.0	7.1	5.7	5.4	6.7	6.4	MG	—	SIL

between all red fescue tables.

Therefore, seed specifications may be prepared which contain a mixture of the different types of fescue, using the full range of desirable characteristics found in different cultivars and types of fescue. The ratings for shoot density in Tables 2.1 and 3.1 were calculated from measurements made on trials mown at 5 mm. Ratings in Tables 2.2 and 3.2 are based on measurements made on trials mown at 13 mm.

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. Short growth will be important where the frequency of cutting is low, such as for low maintenance areas. Resistance to disease will be important where the incidence of disease is likely to be high or if disease is unlikely to be controlled. Tolerance of close mowing and shoot density will

TABLE 2.1
CHEWINGS FESCUE (*Festuca rubra* ssp. *commutata*) FOR USE IN
GOLF GREENS AND BOWLING GREENS

Important: Read pages 2, 3 and 6 before evaluating cultivars.

Cultivar	Tolerance of close mowing	Shoot density	Mean	Shoot growth	Freedom from red thread	Freedom from dollar spot	Summer greenness	Winter greenness	UK agent
Center	7.3	7.4	7.4	6.8	7.1	7.3	MG	MG	Jns/SI
Frida	7.2	7.4	7.3	6.6	7.3	7.2	MG	MG	BSH
Nimrod	7.1	7.3	7.2	6.4	6.0	6.7	DG	MG	Jns/SIL
Lobi	7.1	7.3	7.2	6.1	6.8	6.4	DG	MG	PC
Enjoy	7.1	7.2	7.1	6.7	6.6	6.8	MG	MG	PC
Darwin (LA)	7.2	6.9	7.1	7.8	6.4	7.2	MG	LG	PC/SIL
Trophy	7.1	7.0	7.1	6.9	7.5	7.3	DG	MG	SIL
Waldorf	7.0	7.1	7.0	6.3	7.5	7.3	MG	MG	Jns
Bargreen	7.1	7.0	7.0	7.5	7.2	7.0	DG	MG	Bar
Olivia	7.0	7.0	7.0	7.1	6.5	6.4	DG	MG	BSH
Baruba	6.9	6.9	6.9	6.3	7.1	7.1	DG	MG	Bar
Atlanta	6.9	6.9	6.9	6.6	6.2	5.1	MG	MG	SI
Roulette	6.9	6.8	6.8	7.2	7.3	7.1	MG	MG	FL
Rainbow	6.8	6.8	6.8	7.0	7.0	7.0	MG	MG	Mom
Wilma	6.8	6.7	6.8	6.5	6.1	6.2	MG	LG	SW
Bingo	6.7	6.7	6.7	6.3	6.1	6.4	MG	MG	FL
Alltop (LA)	6.6	6.7	6.6	6.3	7.3	7.0	MG	MG	SI
Licato (LA)	6.6	6.5	6.6	6.5	6.7	6.8	MG	MG	PHL
Mary	6.6	6.5	6.5	6.1	6.6	6.4	MG	MG	Mom
Simone	6.5	6.5	6.5	6.5	7.2	6.4	MG	LG	DLF
Baroxi	6.4	6.6	6.5	7.3	7.6	6.9	MG	MG	Bar
Tamara	6.6	6.4	6.5	5.5	7.3	7.2	MG	MG	DLF
Capitol	6.3	6.3	6.3	6.5	6.5	6.6	MG	MG	SIL
Raymond	6.3	6.3	6.3	6.6	6.5	6.3	MG	MG	Mom/SI
Angela (LA)	6.1	6.1	6.1	6.9	6.2	5.9	MG	MG	DLF
Lustre	6.2	6.0	6.1	6.2	7.1	7.3	MG	MG	FL
Lifalla	6.1	5.8	6.0	6.5	7.5	7.7	MG	MG	PHL
Banner	5.9	5.7	5.8	5.6	6.1	6.1	MG	LG	Jns
New cultivars									
Trump (LA)	7.1	6.9	7.0	6.4	7.0	4.6	MG	DG	FL
Melody	6.9	7.0	6.9	7.0	6.9	6.3	—	LG	PHL
Medina	6.1	5.9	6.0	5.0	6.2	5.7	LG	MG	DLF

TABLE 2.2
CHEWINGS FESCUE (*Festuca rubra* ssp. *commutata*) FOR LAWNS,
GOLF FAIRWAYS AND LANDSCAPING

Important: Read pages 2, 3, 6 and 8 before evaluating cultivars.

Cultivar	Shoot density	Short growth	Freedom from red thread	Freedom from dollar spot	Summer greenness	Winter greenness	UK Agent
Baroxi	8.3	7.3	7.6	6.9	MG	MG	Bar
Lobi	7.8	6.1	6.8	6.4	DG	MG	PC
Frida	7.5	6.6	7.3	7.2	MG	MG	BSH
Center	7.5	6.8	7.1	7.3	MG	MG	Jns/SI
Nimrod	7.4	6.4	6.0	6.7	DG	MG	Jns/SIL
Olivia	7.4	7.1	6.5	6.4	DG	MG	BSH
Bargreen	7.3	7.5	7.2	7.0	DG	MG	Bar
Enjoy	7.3	6.7	6.6	6.8	MG	MG	PC
Darwin (LA)	7.3	7.8	6.4	7.2	MG	LG	PC/SIL
Waldorf	7.0	6.3	7.5	7.3	MG	MG	Jns
Simone	7.0	6.5	7.2	6.4	MG	LG	DLF
Baruba	7.0	6.3	7.1	7.1	DG	MG	Bar
Rainbow	7.0	7.0	7.0	7.0	MG	MG	Mom
Alltop (LA)	6.9	6.3	7.3	7.0	MG	MG	SI
Roulette	6.9	7.2	7.3	7.1	MG	MG	FL
Bingo	6.8	6.3	6.1	6.4	MG	MG	FL
Trophy	6.7	6.9	7.5	7.3	DG	MG	SIL
Atlanta	6.7	6.6	6.2	5.1	MG	MG	SI
Mary	6.5	6.1	6.6	6.4	MG	MG	Mom
Wilma	6.3	6.5	6.1	6.2	MG	LG	SW
Lifalla	6.1	6.5	7.5	7.7	MG	MG	PHL
Tamara	6.1	5.5	7.3	7.2	MG	MG	DLF
Raymond	6.0	6.6	6.5	6.3	MG	MG	Mom/SI
Capitol	6.0	6.5	6.5	6.6	MG	MG	SIL
Lustre	5.7	6.2	7.1	7.3	MG	MG	FL
Banner	5.4	5.6	6.1	6.1	MG	LG	Jns
New cultivars							
Trump (LA)	7.5	6.4	7.0	4.6	MG	DG	FL
Melody	7.1	7.0	6.9	6.3	—	LG	PHL

be of most importance for ornamental lawns and very close mown turf such as golf and bowling greens.

STRONG CREEPING RED FESCUES (TABLE 4)

Strong creeping red fescues are shown in order of their suitability for use in

general landscaping and low maintenance amenity turf. This ranking was derived from the mean of the ratings for tolerance of close mowing, shoot density and short growth.

It should be noted that cultivars of strong creeping red fescue are not

TABLE 3.1
SLENDER CREEPING RED FESCUES (*Festuca rubra* ssp. *litoralis* etc.)
FOR USE IN GOLF GREENS AND BOWLING GREENS

Important: Read pages 2, 3, 6 and 8 before evaluating cultivars.

Cultivar	Tolerance of close mowing	Shoot density	Mean	Short growth	Freedom from red thread	Freedom from dollar spot	Summer greenness	Winter greenness	UK agent
Barcrown	8.2	8.8	8.5	7.6	8.1	7.5	DG	MG	Bar
Mocassin	7.8	8.2	8.0	6.3	8.0	7.6	DG	MG	Mom
Barskol	7.5	7.3	7.4	6.2	5.3	5.5	DG	MG	Bar
Oriflamme	7.2	7.3	7.2	6.2	5.8	5.3	DG	MG	SI
Smirna	7.2	7.2	7.2	6.9	5.7	5.7	DG	MG	FL
Jupiter	7.1	7.2	7.2	6.7	6.1	5.6	DG	MG	Jns
Helena	6.7	7.5	7.1	6.7	5.5	5.8	DG	MG	FL
Recent	7.0	7.1	7.1	6.1	4.7	5.5	DG	MG	SIL
Logro	6.9	7.2	7.0	6.4	6.6	6.1	DG	MG	BSH
Estica	6.9	7.1	7.0	6.9	5.2	5.3	MG	MG	PC
Libano	6.8	6.8	6.8	6.1	5.2	5.2	MG	MG	PHL
Horizon	6.6	6.9	6.8	5.8	5.9	5.7	DG	MG	Mom
Symphony	6.7	6.8	6.7	6.2	6.8	6.5	DG	MG	FL
Barlander (LA)	6.7	6.8	6.7	8.0	6.3	5.9	MG	MG	Bar
Liprosa	6.7	6.8	6.7	6.4	5.9	5.8	MG	MG	PHL
Dawson	6.5	6.6	6.6	5.5	5.4	5.4	DG	MG	Jns
Cinderella	6.5	6.5	6.5	6.6	5.6	5.2	MG	MG	DLF
Lovisa	6.6	6.5	6.5	6.1	5.4	5.5	MG	MG	SW
Samanta	6.6	6.4	6.5	5.9	5.8	5.6	DG	MG	PC
Rufilla	6.2	6.4	6.3	5.3	6.4	6.4	DG	MG	BSH
Suzette	6.1	6.0	6.1	5.3	5.1	5.8	DG	MG	DLF
Rondo	6.0	6.0	6.0	5.7	5.0	5.3	MG	MG	DLF
Merlin	6.0	5.9	6.0	6.0	6.1	6.5	MG	MG	Bar/Jns
New Cultivars									
Napoli	6.7	6.6	6.7	6.2	5.0	4.9	DG	MG	DLF

generally suitable for use in close mown turf (cutting height less than 13mm). In comparison with Chewings and slender creeping red fescues, they also tend to produce a faster growing and a more open sward at other heights of cut.

MISCELLANEOUS FINE FESCUES (TABLE 5)

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

TABLE 3.2
SLENDER CREEPING RED FESCUES (*Festuca rubra* ssp. *litoralis* etc.)
FOR LAWNS, GOLF FAIRWAYS AND LANDSCAPING
 Important: Read pages 2, 3, 6 and 8 before evaluating cultivars.

Cultivar	Shoot density	Short growth	Freedom from red thread	Freedom from dollar spot	Summer greenness	Winter greenness	UK agent
Barcrown	9.0	7.6	8.1	7.5	DG	MG	Bar
Mocassin	7.7	6.3	8.0	7.6	DG	MG	Mom
Helena	7.6	6.7	5.5	5.8	DG	MG	FL
Logro	7.3	6.4	6.6	6.1	DG	MG	BSH
Smirna	7.3	6.9	5.7	5.7	DG	MG	FL
Jupiter	7.2	6.7	6.1	5.6	DG	MG	Jns
Estica	7.1	6.9	5.2	5.3	MG	MG	PC
Oriflamme	7.0	6.2	5.8	5.3	DG	MG	SI
Barlander (LA)	6.9	8.0	6.3	5.9	MG	MG	Bar
Cinderella	6.9	6.6	5.6	5.2	MG	MG	DLF
Liprosa	6.8	6.4	5.9	5.8	MG	MG	PHL
Symphony	6.7	6.2	6.8	6.5	DG	MG	FL
Recent	6.7	6.1	4.7	5.5	DG	MG	SIL
Libano	6.7	6.1	5.2	5.2	MG	MG	PHL
Horizon	6.6	5.8	5.9	5.7	DG	MG	Mom
Lovisa	6.4	6.1	5.4	5.5	MG	MG	SW
Dawson	6.4	5.5	5.4	5.4	DG	MG	Jns
Suzette	6.0	5.3	5.1	5.8	DG	MG	DLF
Rondo	6.0	5.7	5.0	5.3	MG	MG	DLF
Rufilla	6.0	5.3	6.4	6.4	DG	MG	BSH
Samanta	5.6	5.9	5.8	5.6	DG	MG	PC
Merlin	5.5	6.0	6.1	6.5	MG	MG	Bar/Jns

TABLE 4
STRONG CREEPING RED FESCUE (*Festuca rubra* ssp. *rubra*)
 Important: Read pages 2, 8 and 9 before evaluating cultivars.

Cultivar	Tolerance of close mowing	Shoot density	Short growth	Mean	Freedom from red thread	Freedom from dollar spot	Summer greenness	Winter greenness	UK agent
Diego	5.7	5.3	6.6	5.9	4.6	5.2	MG	LG	DLF
Cindy	5.5	5.4	6.3	5.7	5.7	5.6	DG	MG	SI
Hollywood	5.5	5.8	5.6	5.7	5.2	5.3	MG	LG	FL
Herald	5.3	5.1	5.6	5.4	4.5	5.2	DG	MG	PC
Jasper	5.1	5.1	5.8	5.3	5.3	5.8	MG	MG	BSH
Picnic	5.1	5.3	5.4	5.3	5.0	4.9	LG	LG	FL
Ensylva	5.0	5.2	5.6	5.3	4.9	5.0	MG	MG	SIL
Aniset (LA)	4.7	5.3	5.8	5.3	4.8	4.5	LG	LG	DLF
Elanor	5.2	5.3	5.2	5.2	5.6	5.7	LG	MG	DLF
Pernille	5.1	5.0	5.0	5.0	5.2	5.1	MG	MG	DLF
Sunset	4.7	5.1	5.2	5.0	5.6	5.3	LG	LG	FL
Flyer	4.6	4.7	4.8	4.7	5.0	4.8	LG	MG	Jns
Ceres	4.6	5.0	4.3	4.7	5.2	4.8	MG	MG	SI
Sylvia	4.6	4.6	4.8	4.6	4.7	5.2	MG	LG	SW
Franklin	4.6	4.7	4.4	4.6	5.1	5.2	LG	MG	Mom/SI
Victor	4.7	4.5	4.3	4.5	4.7	4.9	MG	MG	Mom
Boreal	4.6	4.6	4.2	4.5	4.6	4.5	MG	LG	Fa*

*Freely available

TABLE 5
MISCELLANEOUS FESCUES (*Festuca* spp.)
 Important: Read pages 2, 9 and 12 before evaluating cultivars.

Cultivar	Shoot density	Short growth	Freedrom from red thread	Summer greenness	Winter greenness	UK agent
Hard fescue (<i>F. longifolia</i>)						
Crystal	7.8	7.2	6.6	MG	MG	Mom
Valda	6.2	5.3	5.1	MG	MG	SIL
Pintor	6.1	6.9	6.3	MG	MG	BSH
Scaldis	5.8	4.6	6.1	DG	MG	Jns
Eureka	5.7	5.9	6.2	DG	MG	PC
Livina (LA)	5.4	5.7	6.7	LG	LG	PHL
Triana	4.1	4.6	5.7	MG	LG	DLF
Fine-leaved sheep's fescue (<i>F. tenuifolia</i>)						
Barok	7.2	6.9	4.4	DG	MG	Bar
Sheep's fescue (<i>F. ovina</i>)						
Quatro	8.3	7.5	8.1	DG	DG	SIL

TABLE 6.1
BROWNTOP AND CREEPING BENTS (*Agrostis* spp.) FOR USE IN VERY CLOSE MOWN TURF (GOLF AND BOWLING GREENS)
 Important: Read pages 2, 12 and 13 before evaluating cultivars.

Cultivar	Shoot density	Fineness of leaf	Short growth	Freedrom from red thread	Summer greenness	Winter greenness	UK agent
<i>A. tenuis</i>							
Lance	7.4	7.2	6.9	6.3	MG	MG	Jns
Heriot	7.2	7.2	7.0	5.7	MG	DG	Bar
Sefton	7.2	7.3	5.7	4.6	MG	DG	SI
Egmont	6.7	6.3	6.5	6.1	MG	MG	FL
Bardot	6.5	7.0	6.6	6.0	MG	MG	Bar
Duchess	6.3	7.3	6.6	5.6	MG	MG	BSH
Tracenta	5.6	6.4	6.5	4.6	MG	LG	Mom
New cultivars							
Denso	7.0	6.7	6.8	6.3	MG	MG	SIL
Litenta (LA)	5.3	6.4	4.9	5.8	MG	MG	PHL
<i>A. castellana</i>							
Highland	5.1	5.3	3.5	3.5	LG	DG	Fa*
<i>A. stolonifera</i>							
Carmen	5.8	5.9	5.4	6.7	LG	MG	Mom
Penneagle	5.8	5.4	6.3	7.0	MG	MG	SI
Penncross	5.6	5.8	6.4	6.4	MG	MG	SI
Prominent	5.5	6.1	5.6	6.8	MG	MG	FL
New cultivars							
Providence	6.6	6.1	6.8	6.4	LG	MG	BSH
18th Green	6.6	5.8	6.4	5.7	LG	LG	—

* Freely available

TABLE 6.2
BROWNTOP AND CREEPING BENTS (*Agrostis* spp.) FOR USE IN
LAWNS, GOLF FAIRWAYS AND LANDSCAPING

Important: Read pages 2, 12 and 13 before evaluating cultivars.

Cultivar	Shoot density	Fineness of leaf	Short growth	Freedom from red thread	Summer greenness	Winter greenness	UK agent
<i>A. tenuis</i>							
Heriot	7.1	7.2	7.0	5.7	MG	DG	Bar
Lance	7.0	7.2	6.9	6.3	MG	MG	Jns
Sefton	6.9	7.3	5.7	4.6	MG	DG	SI
Egmont	6.7	6.3	6.5	6.1	MG	MG	FL
Bardot	6.5	7.0	6.6	6.0	MG	MG	Bar
Duchess	6.1	7.3	6.6	5.6	MG	MG	BSH
Tracenta	5.6	6.4	6.5	4.6	MG	LG	Mom
New cultivars							
Denso	6.8	6.7	6.8	6.3	MG	MG	SIL
Litenta (LA)	5.5	6.4	4.9	5.8	MG	MG	PHL
<i>A. castellana</i>							
Highland	4.9	5.3	3.5	3.5	LG	DG	Fa*
<i>A. stolonifera</i>							
Carmen	6.1	5.9	5.4	6.7	LG	MG	Mom
Penneagle	6.1	5.4	6.3	7.0	MG	MG	SI
Prominent	5.7	6.1	5.6	6.8	MG	MG	FL
Penncross	5.7	5.8	6.4	6.4	MG	MG	SI
New cultivars							
Providence	7.0	6.1	6.8	6.4	LG	MG	BSH
18th Green	6.8	5.8	6.4	5.7	LG	LG	—

* Freely available

However, sheep's fescues tend to grow in different directions and as such, do not produce a uniform sward. Both types of grass are fairly intolerant of wear and as a result, should only be considered for use in ornamental and low maintenance areas.

BROWNTOP AND CREEPING BENTS (TABLES 6.1 AND 6.2)

Cultivars of browntop bent (*Agrostis tenuis*) and creeping bent (*A. stolonifera*) are listed in order of their

suitability for use in very close mown turf, such as golf and bowling greens (Table 6.1), and for use in more general turf such as ornamental lawns and golf fairways (Table 6.2). The new cultivar section of these lists includes cultivars that have recently become available but have only been tested in the latest STRI trials.

'Highland' browntop bent is generally acceptable for most UK situations in which bent is sown and seed of this

TABLE 7.1
SMOOTH-STALKED MEADOW-GRASS (*Poa pratensis*)
FOR USE IN WINTER PITCHES (SOCCER, RUGBY, Etc.)
 Important: Read pages 2, 13 and 15 before evaluating cultivars.

Cultivar	Wear tolerance	Shoot density	Fineness of leaf	Slow regrowth (regular mowing)	Freedom from leaf spot	Orange stripe rust resistance	Summer greenness	Winter greenness	UK agent
Julia	7.6	6.3	5.9	5.0	7.1	6.1	MG	MG	BSH
Limousine	7.2	8.5	7.7	6.0	6.2	4.0	MG	MG	PHL
Haga	7.1	5.7	5.0	6.4	5.7	6.5	MG	DG	SW
Minstrel	6.8	5.9	5.4	5.0	5.2	7.0	MG	MG	Jns
Miracle	6.8	7.4	5.5	6.8	4.5	7.1	MG	MG	SI
Broadway	6.8	6.3	5.0	5.8	6.5	5.5	MG	MG	FL
Barvictor	6.8	6.4	5.9	5.9	4.9	5.6	DG	DG	Bar
Cocktail	6.7	7.8	7.6	6.0	6.9	5.7	DG	MG	Jns
Cesar (LA)	6.5	6.4	7.2	7.0	5.7	5.4	MG	MG	PC
Parade	6.4	4.7	5.2	5.9	5.2	6.6	MG	DG	Jns
Cynthia	6.4	6.2	7.5	5.9	5.5	5.1	MG	MG	Mom
Asset	6.3	5.5	5.0	5.6	6.0	6.3	DG	MG	SI
Entopper	5.9	5.2	4.5	6.0	5.7	6.0	MG	LG	SIL
Nimbus (LA)	5.9	5.6	5.3	5.9	5.4	6.6	DG	DG	S2T
Rocardo (LA)	5.7	8.4	8.0	5.9	6.9	7.0	MG	MG	PC
Fortuna	5.7	5.7	5.8	7.3	5.4	6.4	MG	MG	SIL
Conni	5.7	7.0	6.5	6.3	5.8	6.2	DG	MG	DLF
Saskia	5.7	6.4	6.2	6.2	6.9	6.8	MG	MG	Mom
Trampas	5.6	6.5	6.0	6.5	5.2	6.0	MG	MG	DLF
Andante	5.4	6.1	6.2	5.9	7.1	6.0	MG	MG	DLF
Enprima	5.1	5.6	6.3	6.4	5.1	4.6	MG	MG	PC
Opal	4.5	6.1	7.1	6.3	5.7	4.3	MG	MG	SW
New cultivars									
Barcelona (LA)	7.2	6.3	5.6	6.5	5.7	6.9	MG	MG	Bar
Lily (LA)	7.1	5.6	4.8	5.9	4.6	5.7	MG	LG	PHL
Unique (LA)	6.1	7.0	6.9	7.7	7.0	5.0	MG	DG	SIL

species is usually more readily available than that of other cultivars of bent. However, for very fine turf such as golf greens and bowling greens the finer and denser cultivars of *A. tenuis* should be used in preference to 'Highland'. In other situations the appearance and disease resist-

ance of bentgrass turf can be improved by replacing some or all of its 'Highland' content with a finer browntop bent.

SMOOTH-STALKED MEADOW-GRASS (TABLES 7.1 AND 7.2)

Cultivars of smooth-stalked meadowgrass are shown in order of their

TABLE 7.2
SMOOTH-STALKED MEADOW-GRASS (*Poa pratensis*)
FOR USE IN LAWNS, LANDSCAPING, etc.
 Important: Read pages 2, 13 and 15 before evaluating cultivars.

Cultivar	Shoot density	Fineness of leaf	Mean	Slow regrowth (regular mowing)	Short growth (infrequent mowing)	Freedom from leaf spot	Orange stripe rust resistance	Summer greenness	Winter greenness	UK agent
Rocardo	8.4	8.0	8.2	5.9	5.8	6.9	7.0	MG	MG	PC
Limousine	8.5	7.7	8.1	6.0	6.2	6.2	4.0	MG	MG	PHL
Cocktail	7.8	7.6	7.7	6.0	5.6	6.9	5.7	DG	MG	Jns
Cynthia	6.2	7.5	6.9	5.9	6.5	5.5	5.1	MG	MG	Mom
Cesar	6.4	7.2	6.8	7.0	6.3	5.7	5.4	MG	MG	PC
Conni	7.0	6.5	6.7	6.3	6.6	5.8	6.2	DG	MG	DLF
Opal	6.1	7.1	6.6	6.3	6.3	5.7	4.3	MG	MG	SW
Miracle	7.4	5.5	6.5	6.8	6.9	4.5	7.1	MG	MG	SI
Saskia	6.4	6.2	6.3	6.2	7.1	6.9	6.8	MG	MG	Mom
Trampas	6.5	6.0	6.3	6.5	6.1	5.2	6.0	MG	MG	DLF
Barvictor	6.4	5.9	6.2	5.9	7.0	4.9	5.6	DG	DG	Bar
Andante	6.1	6.2	6.1	5.9	7.0	7.1	6.0	MG	MG	DLF
Julia	6.3	5.9	6.1	5.0	5.2	7.1	6.1	MG	MG	BSH
Enprima	5.6	6.3	5.9	6.4	5.7	5.1	4.6	MG	MG	PC
Fortuna	5.7	5.8	5.7	7.3	7.9	5.4	6.4	MG	MG	SIL
Minstrel	5.9	5.4	5.6	5.0	5.1	5.2	7.0	MG	MG	Jns
Broadway	6.3	5.0	5.6	5.8	5.3	6.5	5.5	MG	MG	FL
Nimbus	5.6	5.3	5.4	5.9	6.6	5.4	6.6	DG	DG	S2T
Haga	5.7	5.0	5.3	6.4	6.2	5.7	6.5	MG	DG	SW
Asset	5.5	5.0	5.2	5.6	6.0	6.0	6.3	DG	MG	SI
Parade	4.7	5.2	5.0	5.9	6.4	5.2	6.6	MG	DG	Jns
Entopper	5.2	4.5	4.9	6.0	6.3	5.7	6.0	MG	LG	SIL
New cultivars										
Unique	7.0	6.9	6.9	7.7	6.3	7.0	5.0	MG	DG	SIL
Elysee	6.3	6.8	6.5	8.1	7.1	7.1	7.6	MG	MG	FL
Lipoa	5.9	6.5	6.2	6.5	7.8	6.3	7.9	MG	MG	PHL
Barcelona	6.3	5.6	6.0	6.5	5.7	5.7	6.9	MG	MG	Bar

TABLE 8
TALL FESCUE (*Festuca arundinacea*)
 Important: Read pages 2 and 15 before evaluating cultivars.

Cultivar Alphabetical order	Wear tolerance	Tolerance of close mowing	Shoot density	Fineness of leaf	Short growth	UK agent
Cochise	6.5	5.7	8.3	6.0	6.0	DLF
Olga	5.7	6.3	5.1	5.0	5.6	Jns
Talisman	5.9	6.0	6.7	5.4	7.1	—

performance under football-type wear for inclusion in winter pitches (Table 7.1), and for finer turf uses such as lawns and landscaping (Table 7.2).

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.

TALL FESCUE (TABLE 8)

The available cultivars of tall fescue have been placed in **alphabetical**

order. It should be noted that the turf-type cultivars of tall fescue are no substitute for perennial ryegrass in normal turf situations in the UK, being slower in establishment, coarser in leaf texture and as a result, less attractive in appearance. They may, however, have a place in dry or low fertility conditions.

OTHER TURFGRASS SPECIES (TABLE 9)

This table lists the availability of minor turfgrass species which may be used in more specialist amenity situations. It also includes, where possible, comparative performance ratings which can be compared with particular grass species listed in other tables.

TABLE 9
OTHER TURFGRASS SPECIES
Important: Read pages 2 and 15 before evaluating cultivars.

Species	Cultivar	UK agent
Flattened meadow-grass (<i>Poa compressa</i>)	Canon	—
Crested hair-grass (<i>Koeleria cristata</i>)	Barkoel	Bar
Performance ratings (comparable with browntop and creeping bents, Table 6.2)		
Shoot density 6.1	Fineness of leaf 5.7	Short growth 6.5
Turfed hair-grass (<i>Deschampsia caespitosa</i>)	Barcampsia	Bar
Performance ratings (comparable with smooth-stalked meadow-grass, Table 7.1)		
Wear tolerance 7.4	Shoot density 7.5	Fineness of leaf 8.0
		Slow regrowth 1.7

NAMES AND ADDRESSES OF UK AGENTS

- Bar** **Barenbrug UK Ltd.**, P. O. Box 2, Rougham Industrial Estate, Bury St. Edmunds, Suffolk, IP30 9NW. ☎ 01359 270766. Fax: 01359 271021.
- BSH** **British Seed Houses Ltd.**, Bewsey Industrial Estate, Pitt Street, Warrington, Cheshire, WA5 5LE. ☎ 01925 654411. Fax: 01925 416676.
- DLF** **DLF-Trifolium UK & Ireland Ltd.**, Priory Industrial Estate, Tetbury, Gloucs., GL8 8HZ. ☎ 01666 502834. Fax: 01666 502401.
- FL** **Force Limagrain Ltd.**, The Old School, High Street, Fen Drayton, Cambridge, CB4 5SJ. ☎ 01954 232020. Fax: 01954 232270.
- Jns** **Johnsons Seeds**, London Road, Boston, Lincs., PE21 8AD. ☎ 01205 365051. Fax: 01205 359857.
- Mom** **Mommersteeg International Ltd.**, The Anderson Centre, Spitfire Close, Ermine Business Park, Huntingdon, PE18 6XY. ☎ 01480 459500. Fax: 01480 459990.
- PHL** **Perryfields Holdings Ltd.**, Thorn Farm, Inkberrow, Worcs., WR7 4LJ. ☎ 01386 793135. Fax: 01386 792715.
- PC** **Pope & Chapman Ltd.**, Woodside, Dunmow Road, Bishop's Stortford, Herts., CM23 5RG. ☎ 01279 653251. Fax: 01279 505849.
- S2T** **Seeds 2000 Ltd.**, Middleton House, Purton, Berkeley, Gloucs., GL13 9HY. ☎ 01453 511930. Fax: 01453 511800.
- SIL** **Seed Innovations Ltd.**, Commercial & Technical Centre, Barroway Drove, Downham Market, Norfolk, PE38 0AR. ☎ 01366 383845. Fax: 01366 384740.
- SI** **Sharpes International Ltd.**, Sleaford, Lincs., NG34 7HA. ☎ 01529 304511. Fax: 01529 413137.
- SW** **Svalöf Weibull**, 49 North Road, Great Abington, Cambridge, CB1 6AS. ☎ 01223 890777. Fax: 01223 890666.