

TURFGRASS SEED FOR THE NORDIC COUNTRIES 2020-2021

RESULTS FROM SCANTURF AND SCANGREEN VARIETY TESTING,
UPDATED 14 MAY 2021

Sterf

INTRODUCTION TO SCANGREEN AND SCANTURF

Evaluation of turfgrass varieties for lawns has long traditions in the Nordic countries, but the testing was reduced or discontinued around the turn of the millennium as governmental agencies pulled out and would no longer fund this activity.

In response to this, SCANGREEN, variety testing for golf greens mown at 3-5 mm, was initiated and funded by the Scandinavian Turfgrass and Environment Research Foundation (STERF) in 2003. Two years later, the turfgrass seed industry started SCANTURF, a joint Nordic evaluation program for turf mown at 10-40 mm, including trials with football-type wear.

Except for a change to cylinder mowers with a maximum mowing height of 20 mm in all SCANTURF trials without wear in 2011, maintenance and observations in SCANTURF and SCANGREEN have mostly been the same since the programs started 14-16 years ago.

The evaluation period remains three years in both programs. However, the number of test sites has been increased in the STERF-funded SCANGREEN, but reduced in SCANTURF. In the beginning, both programs separated the Nordic countries into a northern (mostly continental) zone and

a southern (mostly coastal) zone, the main difference being the risk for winter injury. This is still maintained in SCANGREEN which has two test sites in each zone (Figure 1).

From 2011, SCANTURF recognizes the Nordic countries as one climatic zone with three test sites altogether as the Scandinavian turfgrass seed market is considered too small to split into two zones. For this reason, this booklet contains two SCANGREEN lists, but only one SCANTURF list per species.

Both programs are coordinated by the NIBIO Turfgrass Research Group, Norway. Depending on the number of entries from plant breeders/seed companies, new SCANTURF trials are normally started every second year (2015, 2017, 2019, 2021 etc.) and new SCANGREEN trials every fourth year (2015, 2019, 2023 etc.).

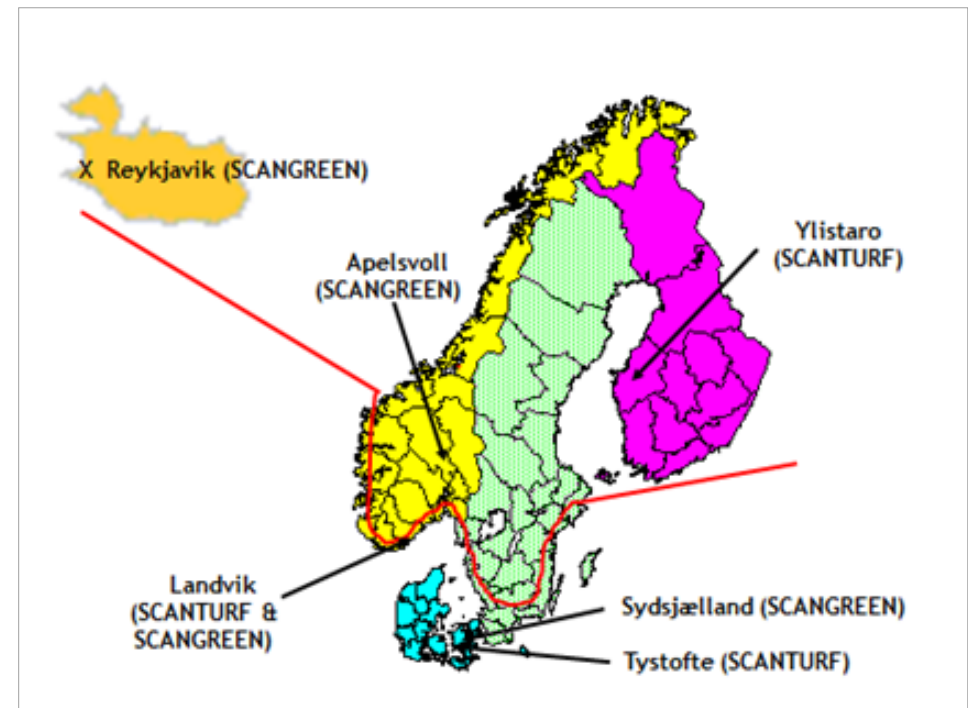


Figure 1: Map of the Nordic countries showing test sites in SCANGREEN and SCANTURF trials. Red line indicates a rough distinction between the northern and southern climatic zone used by SCANGREEN.

HOW TO USE THE LISTS

This booklet is about turfgrass varieties, not turfgrass species. Each table must therefore be regarded separately, with no direct comparison between different species or areas of use. Readers not familiar with species' characteristics and areas of use should read 'The Grass Guide 2015', which is available at www.sterf.org.

The SCANTURF tables not only include varieties that have been tested since the program started in 2005, but also varieties that are still on the market after being tested in the former national programs or at Östra Ljungby Naturbruksgymnasium in Southern Sweden from 2005 to 2008. Results were collated in a common list by calculating performance relative to control varieties (=index 100) which were mostly the same in the different programs and test rounds. Mean values were presented in the case of conflicting results among the former programs. Empty cells in the tables reflect that all characters were not assessed in all programs. Varieties that have been withdrawn or are no longer on the market in 2019 have been omitted from the tables.

Both SCANTURF and SCANGREEN tables contain one main section and one section for new varieties that are still in the ongoing trials and for which results are therefore preliminary and more uncertain.

The tables in this booklet are also available at www.scanturf.org. The advantage of the web versions is that users can sort the varieties for the character that they find most important for their particular area of use, e.g. wear tolerance for *Lolium perenne* or disease resistance in *Agrostis stolonifera*.

In this booklet, varieties have been ranked firstly according to decreasing general impression, secondly according to decreasing density, thirdly according to decreasing winter hardiness and fourthly according to increasing growth rate.

Readers should keep in mind that the varieties on the top of the lists may not be the best for every use.

Variety owners / representatives

Variety owners or representatives in the Nordic countries are indicated in the tables and contact information is given on the last page of this variety guide. In some cases, representatives vary among the Nordic countries. Many variety owners or representatives have a number of distributors, of which a complete list is beyond the scope of this variety guide. The tables indicate which varieties are commercially available in 2021, and users looking for seed of a particular variety can therefore contact the variety owner or representative in the respective country to find the nearest distributor.

Explanation of characters

- **General impression.** General impression is a summary of all other characters and reflects the overall visual merit of the variety in lawns not particularly exposed to wear. In the SCANTURF lists general impression is presented both as an overall mean for all trials using mowing heights in the range 10-40 mm, and as a mean for trials practicing mowing heights from 10 to 20 mm (short-cut lawn). The ranking scale is always 1-9, where 9 is the best turf.

- **Wear tolerance** reflects turfgrass ground coverage and overall appearance after intense use of football-type wear machines in separate trials mowed at 30 mm. Wear tolerance is only evaluated in *Lolium perenne* and *Poa pratensis*. The ranking scale is 1-9, where 9 is the most wear-tolerant turf.
- **Density** reflects the number of tillers per area unit. The ranking scale is 1-9, where 9 is the densest turf (highest tiller number).
- **Leaf fineness** reflects leaf width, in other words the coarseness of the turf. The ranking scale is 1-9, where 9 is the finest leaves.
- **Summer color** indicates the darkness of the green color for unstressed and undiseased turf during the growing season. The ranking scale is 1-9, where 9 is the darkest turf.
- **Winter color** (dormancy color) describes freshness (greenness) vs. fadedness (brownness) of the turf when it is not growing, i.e. during the winter season. The ranking scale is 1-9, where 9 is most freshly green and 1 is completely brown / wilted.
- **Winter hardiness** includes tolerance to all kinds of winter damage whether caused by freezing temperature, prolonged snow cover, desiccation, water, ice, or winter diseases. The ranking scale is 1-9, where 9 is the most winter-hardy turf.
- **Resistance to specific diseases.** The tables sometimes include resistance to specific diseases. The ranking scale is always 1-9, where higher numbers indicate better resistance. Because symp-

toms of disease are not always diagnosed or it can be difficult to identify the primary infection, SCANGREEN tables always include an overall ranking of resistance to all diseases occurring **during the growing season**, such as microdochium patch (*Microdochium nivale* developing without snow cover), red thread (*Laetisaria fuciformis*), rust (*Puccinia* and *Uromyces* sp.), leaf spots (*Drechslera* sp.) and take-all (*Gaeumannomyces graminis*). Resistance to winter diseases such as gray snow mold (*Typhula incarnata*) and pink snow mold (*Microdochium nivale* developing under snow cover) are not included in this overall character for in-season diseases, but part of the winter hardiness character; sometimes they are also specified separately.

- **Relative growth rate** is based on measurements of turf grass height or rate of leaf extension, thus reflecting mowing requirements. Growth rate is presented as a number relative to a control variety which was set to 100.

SECTION I: SCANTURF

Varieties for lawn and sports turf mown at 10-40 mm

a) Smooth meadow grass / Kentucky bluegrass (*Poa pratensis*)

Variety	General impression lawn, mowing height mm		Wear tolerance, recr. lawn / football pitch*	Recovery, recr. lawn / football pitch *	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to grey snow mold	Resistance to microdochium patch	Resistance to rust	Resistance to <i>Drechslera</i> leaf spot	Resistance to red thread	Resistance to \$ spot	Relative growth rate	Owner / representative	Seed available in 2021	Testing programme / period
	10-40	10-20																	
Becca	6,1	6,1	5,2	2,8	6,2	5,6	6,0	5,0	8,0	-	6,0	4,6	-	5,0	-	95	DLF	no	SCANTURF 2015-2018
Julius	6,0	-	5,8	-	6,2	4,3	6,0	4,3	7,4	-	-	4,0	-	-	-	90	DLF	yes	Finland 1995-2002, Norway 2003-06, Sweden 2002-05
Limousine	6,0	6,0	5,6	4,0	6,1	5,4	6,0	4,9	8,0	7,0	6,0	4,0	5,5	5,0	5,0	96	DSV	yes	Norway, 1990-93, 1995-98, 1998-01, SCANTURF 2005-08, 2007-10, SCANTURF south 2011-14, SCANTURF 2013-16, Ø.Ljungby 2005-08
Traction	6,0	6,0	5,4	7,2	6,1	5,7	6,0	4,9	8,0	-	6,0	4,4	-	5,0	-	96	Everris	yes	SCANTURF 2015-2018
Dakisha	5,9	5,9	5,5	4,4	4,9	4,5	6,0	4,8	7,6	-	6,0	4,5	-	4,7	-	97	DLF	yes	SCANTURF 2015-2018
Markus	5,8	5,8	5,5	-	5,6	4,5	6,0	5,4	8,0	-	5,7	7,9	-	-	-	101	DSV	yes	SCANTURF 2013-2016
Yvette	5,7	5,6	5,7	-	5,7	5,2	6,1	5,2	7,8	6,3	5,6	4,0	5,4	-	-	95	DLF	yes	Norway 2003-2006, Ø. Ljungby 2005-08, SCANTURF south 2011-14
Sombrero	5,5	5,5	5,6	-	5,2	4,8	6,1	4,5	7,8	-	5,9	3,7	-	-	-	105	DLF	yes	SCANTURF 2013-2016
Baranello	5,4	5,4	5,1	-	5,1	4,3	6,7	5,8	7,9	-	5,9	8,0	-	-	-	105	Barenbrug	no	SCANTURF 2013-2016
Comet (SR 2284)	5,2	5,2	4,5	-	5,1	-	-	-	-	-	-	-	-	-	-	-	Berner / Scandinavian Seed	no	Ø. Ljungby 2006-08
Conni	5,1	5,1	4,7	3,8	4,9	4,6	6,0	4,6	7,6	6,4	5,5	4,3	6,1	4,5	5,5	101	DLF	yes	SCANTURF 2005-08, 2007-10, SCANTURF south 2011-14, SCANTURF 2013-16, Ø. Ljungby 2005-08
Miracle	5,1	5,0	3,1	-	4,7	4,4	6,8	5,6	7,8	6,4	5,8	5,0	6,0	-	-	93	DLF	yes	Norway 1990-93, Ø. Ljungby 2006-08, SCANTURF south 2011-14

* Based on separate wear trials

Smooth meadow grass / Kentucky bluegrass (continued)

Variety	General impression lawn, mowing height mm		Wear tolerance, recr. lawn / football pitch*	Recovery, recr. lawn / football pitch *	Density	Leaf fine-ness	Color	Winter color	Winter hardi-ness	Resist-ance to grey snow mold	Resist-ance to micro-dochium patch	Resist-ance to rust	Resist-ance to Dreckslera leaf spot	Resist-ance to red thread	Resist-ance to \$ spot	Relative growth rate	Owner / representative	Seed avail-able in 2021	Testing programme / period
	10-40	10-20																	
Baronial	4,7	-	-	-	4,2	4,5	6,0	4,8	8,0	-	-	-	-	-	-	115	Barenbrug	yes	Norway 2003-06
Opal	4,5	3,6	-	-	4,4	4,2	6,3	3,9	7,5	-	7,0	-	-	-	-	106	Lantmännen Ek. För.	yes	Norway 1985-89, 1995-98
Baron	4,3	3,9	-	-	4,1	3,6	5,8	3,9	7,4	-	4,0	-	-	-	-	109	Barenbrug	yes	Norway 1995-98, Finland 1995-2002
Evora	3,9	-	-	-	3,7	-	-	-	6,2	-	-	-	-	-	-	-	DLF	yes	Finland 1995-02, Sweden 2002-05
New varieties																			
Barserati	5,7	5,7	-	-	6,2	4,4	5,9	4,2	4,9	-	6,3	4,3	-	4,5	4,5	105	Barenbrug	yes	SCANTURF 2019-2022
Anisha	5,6	5,6	5,1	1,9	5,2	4,8	6,2	4,4	4,9	-	4,2	4,3	-	4,5	4,8	109	DLF	yes	SCANTURF 2019-2022
Hilda	5,0	5,0	4,9	2,6	6,2	4,4	6,7	5,4	4,3	-	5,5	4,1	-	4,5	5,5	116	Scandinavian Seeds	yes	SCANTURF 2019-2022
Bluechip	5,0	5,0	5,0	2,5	5,8	3,6	6,0	4,2	4,9	-	5,4	4,2	-	4,5	5,5	102	Scandinavian Seeds	no	SCANTURF 2019-2022
Strenuus	4,9	4,9	-	-	6,0	4,2	6,0	4,4	4,9	-	5,5	4,3	-	4,5	5,0	106	Landmark Turf and Native Seed	yes	SCANTURF 2019-2022
Phily	4,8	4,8	5,2	2,0	5,1	3,8	6,7	4,2	4,3	-	5,4	4,1	-	4,5	5,8	112	Scandinavian Seeds	no	SCANTURF 2019-2022
Geisha	4,6	4,6	-	-	5,0	3,9	6,0	4,2	4,9	-	4,2	4,1	-	4,5	4,5	112	DLF	yes	SCANTURF 2019-2022
Jackpot	4,5	4,5	4,8	3,2	5,4	4,5	6,1	4,9	4,3	-	5,5	4,2	-	4,5	5,8	109	Scandinavian Seeds	yes	SCANTURF 2019-2022
Impact	4,4	4,4	4,8	2,8	4,6	3,9	7,5	4,5	4,9	-	5,2	4,0	-	4,5	5,4	118	Scandinavian Seeds	yes	SCANTURF 2019-2022
Liberator	4,3	4,3	4,6	3,2	4,6	4,3	7,6	4,6	4,2	-	5,8	3,9	-	4,4	5,5	103	Scandinavian Seeds	yes	SCANTURF 2019-2022

* Based on separate wear trials

SCANTURF

b) Perennial ryegrass (*Lolium perenne*)

Variety	General impression lawn, mowing height mm		Wear tolerance, recr. lawn / football pitch*	Recovery, recr. lawn / football pitch*	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to grey snow mold	Resistance to microdochium patch	Resistance to rust	Resistance to <i>Drechslera</i> leaf spot	Resistance to red thread	Relative growth rate	Owner / representative	Seed available in 2021	Testing programme / period
	10-40	10-20																
Eventus	6,3	6,3	6,9	4,0	6,4	6,2	4,8	5,7	5,2	5,0	5,0	4,9	-	3,4	98	DSV	yes	SCANTURF 2017-2020
Tetrastar (4x)	6,3	6,3	-	-	6,3	5,2	6,8	6,8	5,1	-	5,2	5,0	-	3,3	112	DLF	yes	SCANTURF 2015-2018
Mandalay	6,1	6,1	-	-	6,3	5,5	4,7	5,7	4,9	3,3	5,1	5,1	-	3,9	96	DLF	no	SCANTURF 2017-2020
Monroe	6,1	6,1	7,2	3,1	6,2	5,7	5,3	6,0	4,8	-	4,8	4,9	-	3,3	100	DLF	yes	SCANTURF 2015-2018
Anney	6,1	6,1	7,3	3,5	5,9	6,0	4,8	5,4	5,0	-	5,1	5,0	-	3,3	95	DLF	yes	SCANTURF 2015-2018
Fabian (4x)	6,1	6,1	6,2	-	6,0	5,2	5,8	6,1	5,5	-	5,2	-	5,0	3,5	101	DLF	yes	SCANTURF 2013-16
Clementine	6,1	6,1	-	-	6,4	6,1	4,7	5,7	5,0	5,0	5,1	2,5	-	3,5	100	DLF	yes	SCANTURF south 2011-2014
Greenway	6,0	-	6,8	-	5,9	5,5	5,4	5,5	-	-	-	-	-	-	100	DLF	yes	Denmark 2001-04
Bargold	6,0	6,0	6,6	5,6	6,3	6,0	4,8	5,6	4,9	4,5	5,0	5,0	6,0	3,5	100	Barenbrug	yes	SCANTURF 2005-08, 2007-10, SCANTURF south 2011-2014, SCANTURF 2013-16, Ø. Ljungby 2005-08
Eurocordus	5,9	5,9	7,1	-	6,1	5,7	4,7	5,2	4,9	-	5,1	-	5,7	3,3	107	DSV	yes	SCANTURF 2013-16
Columbine	5,7	5,7	6,9	-	6,2	5,7	4,8	5,5	4,9	-	5,1	-	6,0	3,5	103	DLF	yes	SCANTURF 2013-16
Vesuvius	5,7	5,7	7,1	4,3	5,8	5,4	4,7	5,3	4,9	3,3	4,9	5,0	5,8	3,4	110	DSV	yes	SCANTURF 2005-08, SCANTURF south 2011-2014, SCANTURF 2013-16, Ø.Ljungby 2005-08
Greensky	5,7	5,4	7,0	-	5,5	5,3	4,9	5,1	4,7	-	5,1	-	-	-	102	DLF	yes	SCANTURF 2007-10
Double (4x)	5,6	5,6	-	-	5,5	4,5	6,1	6,0	5,8	6,2	5,0	4,5	-	4,6	121	DLF	yes	SCANTURF south 2011-2014
Jubilee EG	5,5	5,5	6,4	-	6,1	5,5	5,4	5,3	4,8	-	4,7	-	6,0	3,4	101	DSV	yes	SCANTURF 2013-16
Zurich	5,4	5,4	7,4	3,6	5,7	4,9	4,9	5,7	4,9	5,0	4,6	5,1	-	3,7	96	Semillas Fito	yes	SCANTURF 2017-2020
Dickens I	5,3	5,4	7,6	-	5,7	5,2	4,7	5,3	4,6	-	5,6	-	-	-	117	DLF	yes	SCANTURF 2007-10
Bareuro	5,3	5,3	-	-	6,0	5,2	4,1	5,5	4,7	-	-	-	-	3,5	110	Barenbrug	yes	Norway 1999-2001, SCANTURF 2005-08

* Based on separate wear trials

Perennial ryegrass (continued)

Variety	General impression lawn, mowing height mm		Wear tolerance, recr. lawn / football pitch*	Recovery, recr. lawn / football pitch*	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to grey snow mold	Resistance to microdochium patch	Resistance to rust	Resistance to <i>Drechslera</i> leaf spot	Resistance to red thread	Relative growth rate	Owner / representative	Seed available in 2021	Testing programme / period
	10-40	10-20																
Promotor	5,3	5,3	7,3	-	5,8	5,2	5,1	5,3	5,0	-	5,2	-	-	-	98	DSV	yes	SCANTURF 2007-10
Turfsun	5,2	5,2	-	-	5,6	4,4	5,4	5,1	4,9	3,0	4,6	4,8	-	3,5	97	DSV	yes	SCANTURF 2017-2020
SW Corvus	5,1	-	-	-	5,1	4,6	4,3	5,5	4,5	-	-	-	-	-	125	Lantmännen Ek. För.	yes	Norway 2003-06
Esquire	5,1	4,8	-	-	5,3	4,8	6,6	5,9	4,8	-	4,4	-	-	4,3	112	DLF	yes	SCANTURF 2005-08
Platinum	4,9	-	-	-	5,0	4,8	5,3	5,8	4,1	-	-	-	-	-	90	DLF	yes	Norway 2003-06
New varieties																		
LMG LGD-3911 (Mumbai)	6,0	6,0	8,0	2,3	6,7	6,3	4,6	5,2	4,9	-	-	-	-	2,5	89	DLF	no	SCANTURF 2019-2022
Angelina	6,0	6,0	-	-	6,2	5,9	4,8	5,7	4,9	-	-	-	-	3,4	91	DLF	yes	SCANTURF 2019-2022
Beckham	5,7	5,7	7,0	5,4	5,8	5,6	3,7	5,1	5,0	-	-	-	-	3,5	100	DSV	yes	SCANTURF 2019-2022
Sirtaky	5,6	5,6	6,7	6,1	5,4	4,0	4,2	5,9	4,8	-	-	-	-	3,4	91	Scand. Seeds	yes	SCANTURF 2019-2022
Strauss	5,5	5,5	7,4	2,1	6,1	5,7	4,7	5,8	4,8	-	-	-	-	3,5	95	Scand. Seeds	no	SCANTURF 2019-2022
Baradona	5,4	5,4	-	-	6,1	5,9	5,2	5,0	4,9	-	-	-	-	3,4	100	Barenbrug	yes	SCANTURF 2019-2022
Corsica	5,1	5,1	7,4	2,2	5,1	4,0	5,8	6,3	4,5	-	-	-	-	3,5	99	Scand. Seeds	yes	SCANTURF 2019-2022
Adagio	5,0	5,0	6,9	4,5	5,4	5,6	5,6	6,1	4,5	-	-	-	-	3,5	114	Scand. Seeds	yes	SCANTURF 2019-2022
Confidence	5,0	5,0	6,8	5,3	5,3	4,4	5,7	6,2	4,9	-	-	-	-	3,4	85	Scand. Seeds	yes	SCANTURF 2019-2022
Firebird	4,9	4,9	6,8	2,7	5,4	5,4	5,5	6,0	4,5	-	-	-	-	2	93	Scand. Seeds	yes	SCANTURF 2019-2022
Allie	4,9	4,9	7,3	4,9	5,2	4,4	5,2	6,4	4,8	-	-	-	-	3,5	100	Scand. Seeds	yes	SCANTURF 2019-2022
Top Gun	4,8	4,8	6,0	7,4	4,2	3,1	3,9	5,9	4,9	-	-	-	-	3,3	119	Scand. Seeds	no	SCANTURF 2019-2022
Double Time (4n)	3,6	3,6	5,3	8,2	3,0	2,0	6,5	6,1	4,9	-	-	-	-	3,3	86	Scand. Seeds	yes	SCANTURF 2019-2022

* Based on separate wear trials

SCANTURF

c) Chewings fescue (*Festuca rubra* ssp. *commutata*)

Variety	General impression lawn, mowing height mm 10-40 10-20		Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to grey snow mold	Resistance to microdochium patch	Resistance to rust	Resistance to <i>Drechslera</i> leaf spot	Resistance to red thread	Relative growth rate	Owner / representative	Seed available in 2021	Testing programme / period
Lystig	6,6	6,4	7,0	7,5	6,1	5,7	6,0	-	5,8	-	-	4,9	98	Graminor	yes	SCANTURF 2015-2018
Greensleeves	6,6	6,1	7,0	7,5	6,5	6,4	5,7	-	4,8	-	-	3,8	94	DLF	yes	SCANTURF 2005-08
Musica	6,5	6,3	7,1	7,4	6,3	6,6	5,6	-	6,0	-	6,0	5,7	99	Barenbrug	yes	Ø.Ljungby 2005-2008, SCANTURF south 2010-14, SCANTURF 2013-16
Wagner I	6,5	6,1	7,0	7,5	7,4	6,2	6,6	-	6,3	-	-	6,2	107	DLF	yes	SCANTURF 2005-08
Barlineus	6,4	6,3	7,2	7,7	6,3	5,9	5,6	-	6,1	-	6,0	5,1	91	Barenbrug	yes	SCANTURF 2007-10, 2013-16
Greenmile	6,4	6,2	7,1	7,4	6,3	6,7	5,6	-	6,0	-	5,9	5,4	100	DLF	yes	SCANTURF 2013-2016
Siskin	6,3	6,1	7,0	7,3	6,6	6,8	5,4	-	6,1	-	-	5,9	93	DLF	yes	SCANTURF 2017-2020
Bargreen	6,3	6,3	6,9	7,5	6,3	6,2	5,7	-	3,2	-	-	6,7	101	Barenbrug	yes	Sweden 2002-05, SCANTURF 2005-08
Humboldt	6,3	6,1	7,1	7,5	6,3	6,5	5,3	-	5,6	-	5,9	6,1	93	DLF	yes	SCANTURF 2013-2016
Bardiva	6,3	6,0	6,8	7,6	6,5	6,2	5,5	-	3,3	-	-	5,3	95	Barenbrug	yes	SCANTURF 2005-08
Blenheim	6,1	-	6,4	7,7	6,5	5,7	6,1	-	-	-	-	-	99	DLF	no	Norway 2003-06
Capriccio	6,1	5,7	6,9	7,5	6,2	6,5	6,3	-	4,8	-	-	6,4	94	DLF	yes	SCANTURF 2005-08
Annalena	6,1	5,9	6,9	7,1	6,9	6,2	5,4	-	5,9	-	-	4,7	92	DSV	yes	SCANTURF 2017-2020
Rubicus	6,0	6,0	6,5	7,0	7,4	6,2	5,4	-	5,5	-	-	5,0	98	Everris	yes	SCANTURF 2015-2018
Calliope	6,0	5,7	6,5	7,5	6,1	5,5	5,2	6,5	5,7	5,0	5,9	4,4	97	DLF	yes	Finland 1995-02, Sweden 2002-05, Norway 2003-06, SCANTURF south 2010-14, SCANTURF 2013-16
Joanna	5,9	6,0	6,5	7,1	7,3	6,2	5,3	-	6,1	-	-	5,2	98	DSV	yes	SCANTURF 2015-2018
Linda	5,9	5,5	6,6	7,4	6,0	5,8	6,2	-	6,4	-	-	4,5	104	Graminor	yes	Norway 2003-06, SCANTURF south 2007-10
SW Cygnus	5,7	-	5,4	7,6	6,3	5,5	6,5	-	-	-	-	-	104	Lantmännen Ek. För.	yes	Norway 2003-06

c) Chewings fescue (continued)

Variety	General impression lawn, mowing height mm		Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to grey snow mold	Resistance to microdochium patch	Resistance to rust	Resistance to <i>Drechslera</i> leaf spot	Resistance to red thread	Relative growth rate	Owner / representative	Seed available in 2021	Testing programme / period
	10-40	10-20														
Wilma	5,6	4,8	5,8	6,9	6,5	5,8	5,9	-	4,9	-	-	3,5	118	Lantmännen Ek. För.	yes	Norway 1990-93, 1995-98, 1999-01, Sweden 2002-05, SCANTURF 2005-08 and 2007-10
Casanova	5,1	-	5,4	7,5	6,3	5,7	6,0	-	-	-	-	-	125	DLF	yes	Sweden 2002-05, Norway 2003-06
New varieties																
Lykke	6,3	6,0	6,8	7,5	6,7	6,1	5,7	-	6,4	-	-	5,8	98	Graminor	no	SCANTURF 2019-2022
LøRc0010	6,2	5,9	6,5	7,4	6,9	5,6	5,7	-	5,7	-	-	5,7	110	Graminor	no	SCANTURF 2019-2022
Compass II	6,1	5,8	6,2	7,0	7,4	6,1	5,1	-	5,7	-	-	5,7	104	Mountain View Seeds	yes	SCANTURF 2019-2022
Kalle	5,9	5,6	6,0	7,3	6,6	6,7	5,1	-	6,6	-	-	5,8	101	Scandinavian Seeds	yes	SCANTURF 2019-2022
Riparia	5,8	5,5	6,0	7,0	7,4	6,1	5,6	-	6,6	-	-	4,3	98	DLF	yes	SCANTURF 2019-2022

SCANTURF

d) Slender creeping red fescue (*Festuca rubra* ssp. *litoralis* (*trichophylla*))

Variety	General impression lawn, mowing height mm 10-40 10-20		Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to grey snow mold	Resistance to microdochium patch	Resistance to rust	Resistance to <i>Drechslera</i> leaf spot	Resistance to red thread	Relative growth rate	Owner / representative	Seed available in 2021	Testing programme / period
Valdora	6,2	5,9	6,9	7,3	6,2	5,8	5,1	-	3,4	-	-	4,3	122	DLF	yes	SCANTURF south 2007-10
Baroyal	6,0	-	6,5	-	6,6	-	6,0	-	-	-	-	-	95	Barenbrug	yes	Finland 1995-02
Cezanne	5,9	5,8	6,8	7,3	6,1	6,7	5,0	-	5,3	-	5,0	5,1	97	DLF	yes	Sweden 2002-05, Denmark, 2004-2007, Ø.Ljungby 2005-2008, SCANTURF 2013-16
Pinafore	5,9	5,8	6,6	7,3	6,6	6,7	5,3	-	3,8	-	-	4,2	112	DLF	yes	SCANTURF 2017-2020
Archibal	5,8	5,7	6,8	7,3	6,3	6,8	5,0	-	3,4	-	-	4,2	97	DLF	yes	SCANTURF 2017-2020
Cathrine	5,8	5,7	6,7	7,2	6,9	6,1	5,3	-	3,5	-	-	3,9	109	DSV	yes	SCANTURF 2017-2020
Beudin	5,7	5,9	6,6	7,3	6,5	6,7	4,6	3,9	3,5	4,2	-	6,6	105	DLF	yes	SCANTURF south 2011-14
Barcrown	5,5	5,6	6,5	7,3	6,0	6,2	4,4	3,5	3,5	5,0	5,0	6,6	100	Barenbrug	yes	Sweden 1986-89, 1996-99, 2002-05, Denmark 1989-93, SCANTURF 2005-08, 2007-10, SCANTURF south 2011-14, SCANTURF 2013-16, Ø.Ljungby 2005-2008
Borluna	5,5	5,5	6,2	-	-	-	-	-	-	-	-	-	-	Saatzucht Steinach / Germinal	yes	Ø.Ljungby 2005-2008
Reggae	5,5	5,5	6,2	-	-	-	-	-	-	-	-	-	-	Barenbrug	yes	Ø.Ljungby 2005-2008
Sprinkler	5,3	5,3	6,2	7,1	6,3	5,9	5,0	-	5,0	-	-	3,7	110	Barenbrug	yes	SCANTURF 2015-2018
Smirna	5,0	-	6,0	6,8	-	6,0	5,5	-	-	-	-	-	110	DLF	yes	Sweden 1992-95, Denmark 1997-99
New varieties																
DLF FRT-4582	6,1	5,8	6,5	7,1	6,1	7,0	5,5	-	5,1	-	-	4,8	84	DLF	no	SCANTURF 2019-2022
SeaMist	6,0	5,9	6,5	7,1	6,2	5,0	5,5	-	5,1	-	-	4,8	96	Mountain View Seeds	yes	SCANTURF 2019-2022
Joppa	5,2	5,1	5,6	5,9	7,1	5,2	5,5	-	5,5	-	-	4,2	88	Scandinavian Seeds	yes	SCANTURF 2019-2022

SCANTURF

e) Strong creeping red fescue (*Festuca rubra* ssp. *rubra*)

Variety	General impression lawn, mowing height mm 10-40 10-20		Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to grey snow mold	Resistance to microdochium patch	Resistance to rust	Resistance to <i>Drechslera</i> leaf spot	Resistance to red thread	Relative growth rate	Owner / representative	Seed available in 2021	Testing programme / period
Hastings	6,3	5,8	6,1	6,6	5,0	4,8	5,1	-	5,2	-	-	5,0	95	DLF	yes	SCANTURF 2017-2020
Heidrun	6,3	5,8	5,9	6,2	6,7	5,0	5,3	4,7	5,0	4,4	-	5,0	101	DLF	yes	SCANTURF south 2011-14
Rossinante	6,1	5,6	6,1	6,5	6,4	4,8	5,1	4,0	5,0	5,0	5,0	5,0	95	DLF	yes	Denmark 2004-07, SCANTURF south 2011-14, SCANTURF 2013-16
Frigg	6,1	5,0	5,4	6,5	6,2	2,9	6,6	-	5,2	-	5,1	5,2	109	Graminor	yes	Norway 1995-98, SCANTURF north 2005-08 and 2007-10, SCANTURF 2013-16
Mellori	5,9	5,4	5,2	6,4	7,0	4,7	5,0	-	5,2	-	-	5,2	104	DSV	yes	SCANTURF 2017-2020
Barjessica	5,8	5,4	5,9	6,3	6	4,6	4,9	-	5,2	-	5,0	5,1	95	Barenbrug	yes	SCANTURF 2013-16
Merveille	5,7	5,3	5,4	6,4	7,3	5,0	5,1	-	5,1	-	-	5,1	92	Landmark Turf and Native Seed	yes	SCANTURF 2017-2020
Ryder	5,5	-	5,2	6,4	-	4,6	-	-	-	-	-	-	100	DSV	yes	Denmark 2004-07
Camilla	5,4	-	-	-	-	-	5,8	-	-	-	-	-	98	DSV	yes	Finland 1995-02
Corail	5,4	-	-	-	-	-	5,6	-	-	-	-	-	97	DLF	yes	Finland 1995-02
Herald	5,4	-	5,1	6,7	6,1	5,0	5,5	-	-	-	-	-	112	DLF	no	Norway 1990-93, Finland 1995-02
Maxima I	5,2	-	4,7	6,2	6,5	5,1	5,5	-	-	-	-	-	104	DLF	yes	Norway 2003-06, Denmark 2004-07
Polka	4,7	4,7	5,1	-	-	-	-	-	-	-	-	-	-	Barenbrug	no	Ø.Ljungby 2005-2008

SCANTURF

f) Hard fescue (*Festuca trachyphyla*)

Variety	General impression lawn, mowing height		Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to red thread	Relative growth rate	Resistance to microdochium patch	Owner / representative	Seed available in 2021	Testing programme / period
	10-40 mm	10-20 mm											
Shaun/Minimus	5,8	5,8	5,7	7,2	7,0	5,7	5,0	5,0	100	5,2	Landmark Turf and Native Seed	yes	SCANTURF 2017-2020
Dumas I	5,5	5,5	5,5	7,0	7,1	5,3	5,0	5,0	111	5,6	DLF	yes	SCANTURF 2017-2020
Crystal	5,3	5,3	5,0	7,1	7,4	5,6	5,5	5,5	100	5,5	DLF	yes	SCANTURF 2017-2020

SCANTURF

g) Browntop bent / colonial bentgrass (*Agrostis capillaris*)

Variety	General impression lawn, mowing height		Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to microdochium patch	Relative growth rate	Owner / representative	Seed available in 2021	Testing programme / period
	10-40 mm	10-20 mm										
Leirin	6,6	6,2	7,3	6,0	6,0	3,2	6,7	5,0	118	Graminor	yes	SCANTURF north 2005-08, Norway 1995-98
Nor	6,4	5,2	6,5	5,8	6,2	3,3	7,0	6,0	115	Graminor	yes	SCANTURF north 2005-08, Norway 2003-2006, 1999-02
Jorvik	5,8	-	6,8	6,4	6,0	4,8	5,0	-	98	DLF	yes	Norway 2002-06
Barking	5,6	6,2	6,5	6,4	5,9	5,1	4,0	-	95	Barenbrug	yes	Norway 1999-02
Highland bent *	4,9	-	4,8	-	5,0	-	4,0	-	105	DLF	yes	Norway 1981-85

* *Agrostis castellana*

SECTION II: SCANGREEN, SOUTH

Varieties for greens mowed at 3-5 mm in Denmark and coastal areas of Southern Norway and Southern Sweden

a) Velvet bentgrass (*Agrostis canina*)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Resistance to red thread	Relative growth rate	Owner / representative SE/DK/NO	Seed available in 2021	Testing period(s)
Villa I	6,5	7,5	6,5	5,0	6,5	6,3	5,5	5,5	5,5	6,0	100	DLF	yes	2003-06, 2007-10, 2011-14
Avalon	6,3	7,1	5,9	5,7	-	6,0	-	5,4	-	-	100	Berner /SW Horto /PGM /	no	2003-06
Legendary	6,2	7,5	6,6	5,0	6,5	6,2	-	5,4	-	-	100	DLF	yes	2007-10
Vitagreen	6,2	7,4	6,4	5,7	6,5	6,4	5,4	5,4	5,6	5,8	89	Pick Seed	no	2011-14
Vesper	5,9	7,6	6,5	6,2	8,1	6,6	-	5,4	-	-	100	Berner /SW Horto /	no	2007-10
New varieties														
Nordlys	5,1	5,4	-	4,5	4,4	4,8	4,2	7,5	8,0	6,0	140	Graminor	no	2019-2022

SCANGREEN, SOUTH

b) Colonial bentgrass = browntop (*Agrostis capillaris*)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Resistance to red thread	Relative growth rate	Owner / representative SE/NO/DK	Seed available in 2021	Testing period(s)
Cleek	6,6	6,9	6,1	5,4	5,9	6,8	5,7	5,6	5,6	5,3	106	DLF	yes	2011-14
Greenspeed	6,5	6,8	6,2	4,7	6,4	6,7	-	5,6	-	-	95	DLF	yes	2007-10
Aberroyal	6,4	6,6	5,8	5,2	5,6	6,6	-	5,7	-	-	106	Scandinavian Seed	yes	2007-10
Puritan	6,0	6,6	6,2	5,8	4,8	6,9	5,5	5,3	5,3	5,1	94	Pick Seed	no	2011-14
Heritage	5,6	6,7	5,9	5,4	5,1	6,2	5,2	5,5	5,5	5,0	101	Everris	yes	2015-18, 2019-22
Rhinegold	5,6	6,6	5,9	5,3	5,0	6,7	5,5	5,4	5,6	5,0	99	DLF	no	2015-18
Teetop	5,5	6,8	6,1	5,1	5,4	6,6	5,5	5,4	5,5	5,0	117	DLF	no	2015-18
Jorvik	5,5	6,5	6,0	5,6	5,0	6,7	5,5	5,4	5,5	5,0	100	DLF	yes	2003-06, 2007-10, 2011-14, 2015-18, 2019-22
Barking	5,3	6,2	5,9	5,3	-	6,7	-	5,3	-	-	135	Barenbrug	yes	2003-06
Charles	5,2	6,9	6,3	4,9	5,2	6,2	5,2	5,3	5,4	5,0	85	Barenbrug	no	2015-18
Leirin	4,7	5,1	4,8	5,1	2,4	7,0	5,9	5,4	5,4	5,1	131	Graminor	yes	2003-06, 2007-10, 2011-14
Nor	4,0	4,3	4,0	5,6	-	7,0	-	5,6	-	-	122	Graminor	yes	2003-06
New varieties														
Musket (PPG-AT 104)	5,9	6,9	-	5,3	5,0	6,2	5,2	5,5	5,5	5,0	93	Mountain View Seeds	yes	2019-22

SCANGREEN, SOUTH

c) Creeping bentgrass (*Agrostis stolonifera*)

Variety	Gen. impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resist. to pink snow mold in spring	Resist. to gray snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Resistance to red thread	Resist. to take-all patch	Relative growth rate	Owner / representative SE/NO/DK	Seed available in 2021	Testing period(s)
Luminary	6,2	7,3	5,9	6,0	5,3	6,5	5,8	6,0	6,5	6,0	6,0	6,0	97	Landmark Turf & Native Seed	yes	2015-18, 2019-22
Riptide	6,2	7,3	6,1	5,8	5,2	6,6	6,0	6,0	6,5	6,0	6,0	6,0	103	Everris	yes	2015-18, 2019-22
Flagstick	6,2	7,2	6,0	6,0	5,1	6,5	6,0	6,0	6,5	6,0	6,0	6,0	97	DLF	no	2015-18
Pure Distinction	6,2	7,5	6,2	5,1	5,2	6,4	5,7	6,0	6,4	6,0	6,0	5,9	93	Svensk Jordelit	yes	2015-18, 2019-22
Independence	6,0	7,0	6,0	6,0	5,0	6,7	6,0	6,0	6,5	6,0	6,0	6,0	100	DLF	yes	2003-06, 2007-10, 2011-14, 2015-18, 2019-22
OO7	6,1	7,1	5,9	6,0	5,1	6,7	6,1	5,6	6,6	5,8	6,0	-	108	Barenbrug/SW Horto/PGM	yes	2011-14, 2019-22
Ignite	6,0	7,0	6,0	6,1	5,0	6,1	6,0	6,0	6,5	6,0	6,0	6,0	106	Barenbrug	yes	2015-18
Declaration	6,0	6,9	6,4	5,4	5,7	7,2	-	-	6,5	-	-	-	100	Barenbrug	yes	2007-10
Runner	5,9	7,0	6,2	5,5	4,9	6,0	-	-	6,5	-	-	-	100	DLF	no	2007-10
Tiger Shark	5,8	7,1	6,1	5,8	5,2	6,4	5,7	5,7	6,4	6,0	6,0	-	104	Barenbrug	yes	2011-14
Crystal Blue	5,7	7,0	5,9	6,1	5,4	6,3	5,9	6,0	6,5	6,0	6,0	6,0	108	Svensk Jordelit (Sweden, Norway)	yes	2015-18
Focus	5,7	6,8	5,8	6,0	4,5	6,7	6,0	5,8	6,3	6,0	5,6	-	98	Pick Seed	no	2011-14
Cobra Nova	5,7	6,8	6,0	6,3	5,3	6,3	5,8	5,1	6,4	6,1	5,8	-	114	DLF	yes	2011-14
Memorial	5,5	6,6	5,6	5,9	4,9	6,3	5,9	6,0	6,5	6,0	6,0	6,0	121	Everris	yes	2015-18
MacKenzie	5,5	6,4	6,1	5,4	4,2	6,9	-	-	6,5	-	-	-	100	DSV / SW Horto	yes	2007-10
CY-2	5,5	6,1	5,6	5,1	5,1	6,5	-	-	6,4	-	-	-	100	DLF	yes	2007-10

c) Creeping bentgrass (continued)

Variety	Gen. impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resist. to pink snow mold in spring	Resist. to gray snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Resistance to red thread	Resist. to take-all patch	Relative growth rate	Owner / representative SE/NO/DK	Seed available in 2021	Testing period(s)
Penn G-2	5,4	6,2	5,1	5,7	-	6,1	-	-	6,4	-	-	-	150	Tempoverde	no	2003-06
Teeone (T1)	5,3	6,4	5,7	6,1	5,0	6,4	6,0	4,5	6,3	6,0	5,8	-	112	Barenbrug	no	2011-14
Penn G-6	5,3	6,2	5,3	5,7	-	6,0	-	-	6,4	-	-	-	125	Tempoverde	no	2003-06
L93	5,1	5,9	4,8	5,7	3,6	6,8	-	-	6,5	-	-	-	119	Barenbrug	yes	2003-06, 2007-10
New varieties																
Matchplay	6,5	7,3	-	5,8	5,5	6,6	6,0	-	6,6	6,0	6,0	6,0	98	Landmark Seeds		2019-22
L-93 XD	6,3	7,2	-	5,8	5,6	6,6	6,0	-	6,5	6,0	6,0	6,0	90	Barenbrug		2019-22
Ardent	6,3	7,4	-	6,4	6,0	6,6	6,0	-	6,6	6,0	6,0	6,0	91	Scandinavian Seeds		2019-22
Macdonald	6,3	7,3	-	5,7	5,4	6,5	5,9	-	6,6	6,0	6,0	5,9	97	DLF Seeds		2019-22
777 Tripleseven	6,3	7,2	-	5,9	5,4	6,4	5,8	-	6,6	6,0	6,0	6,0	97	DLF Seeds		2019-22
DC I	6,1	7,2	-	5,9	5,3	6,3	5,6	-	6,5	6,0	6,0	6,0	98	ICL / Everris		2019-22
Tour Pro	6,1	7,4	-	5,9	5,2	6,4	5,8	-	6,5	6,0	6,0	5,9	104	Semillas Fito		2019-22
Valderrama	6,0	7,1	-	5,9	5,2	6,3	5,5	-	6,5	6,0	6,0	6,0	105	Semillas Fito		2019-22
Pure Select	6,0	7,3	-	5,7	4,7	6,1	5,3	-	6,4	6,0	6,0	6,0	99	Svensk Jordelit		2019-22

SCANGREEN, SOUTH

d) Chewings fescue (*Festuca rubra* ssp. *commutata*)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Resistance to red thread	Relative growth rate	Owner / representative SE/DK/NO	Seed available in 2021	Testing period(s)
Barlineus	7,0	7,2	7,1	5,4	5,6	6,9	6,1	6,1	6,6	6,1	93	Barenbrug	yes	2011-14, 2019-22
Caldris	6,9	7,2	7,2	5,0	6,0	6,7	5,9	5,9	6,4	6,1	103	DLF	yes	2011-14
Musica	6,8	7,0	7,1	5,4	5,9	6,8	6,0	6,0	6,5	6,0	100	Barenbrug	yes	2007-10, 2011-14, 2015-18, 2019-22
LøRc0010	6,8	6,9	7,0	5,6	4,9	6,8	6,0	6,0	6,5	5,9	95	Graminor	no	2011-14
Bargreen II	6,7	7,0	7,0	5,5	5,1	6,7	6,0	6,0	6,5	6,0	101	Barenbrug	yes	2011-14
Valetta	6,7	6,8	7,0	6,3	5,8	6,9	6,0	6,1	6,6	6,1	88	DLF	no	2011-14
Lykke	6,6	6,8	7,0	5,5	5,2	6,9	6,1	6,0	6,6	6,0	106	Graminor	no	2011-14, 2019-22
Nikky	6,6	6,8	7,0	6,6	5,0	6,4	5,8	5,9	6,3	5,9	88	DLF	yes	2011-14
Barchip	6,5	6,8	7,1	6,0	5,8	6,7	5,9	6,0	6,5	6,0	90	Barenbrug	yes	2015-18
Humboldt	6,5	6,4	7,1	5,7	5,9	6,8	6,0	5,9	6,4	6,0	84	DLF	yes	2015-18
Wagner I	6,3	6,5	6,9	6,0	5,9	6,8	6,0	6,0	6,5	6,0	94	DLF	yes	2015-18
Lystig	6,4	6,8	7,0	5,5	5,3	6,9	6,1	6,0	6,5	6,0	93	Graminor	no	2011-14, 2019-22
Greensleeves	6,2	6,3	7,0	5,9	5,4	6,8	-	6,1	-	-	93	DLF	yes	2007-10
Aureline	6,1	6,4	7,1	5,5	5,5	6,6	5,9	5,9	6,4	5,9	96	Barenbrug	no	2015-18
Calliope	5,9	6,4	-	5,6	-	6,7	-	5,9	-	-	93	DLF	yes	2003-06
Linda	5,8	5,8	6,8	5,5	4,2	6,9	-	6,1	-	-	93	Graminor	yes	2007-10
Bellaire	5,7	5,6	-	6,7	-	5,7	-	5,9	-	-	78	DLF	yes	2003-06
Bargreen	5,6	5,8	-	5,6	-	6,8	-	5,9	-	-	93	Barenbrug	yes	2003-06
SW Cygnus	5,0	4,9	-	6,0	-	6,8	-	6,0	-	-	159	Lantmännen Ek. För	no	2007-10

d) Chewings fescue (continued)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Resistance to red thread	Relative growth rate	Owner / representative SE/DK/NO	Seed available in 2021	Testing period(s)
New varieties														
Orionette	7,0	7,3	-	5,0	6,1	6,8	6,0	6,0	6,5	6,0	99	DLF Seeds		2019-22
Euro Carina	7,0	7,3	-	5,6	5,8	6,7	5,9	6,0	6,5	6,0	93	DSV		2019-22
Gima	7,0	7,2	-	5,5	5,9	6,9	6,1	6,0	6,5	6,0	82	DLF Seeds		2019-22
Torona	6,7	7,2	-	5,4	6,2	6,9	6,1	6,0	6,5	6,0	88	DLF Seeds		2019-22
LøRc0010	6,7	6,9	-	5,4	4,8	6,8	6,0	6,0	6,5	6,0	84	Graminor		2019-22
Firan	6,6	6,9	-	5,4	6,0	6,8	6,0	6,1	6,5	6,0	93	DLF Seeds		2019-22
PPG FRC 113	6,4	6,8	-	5,7	5,2	6,8	6,0	5,9	6,5	5,9	93	Mountain View Seeds		2019-22
Radar	6,3	6,9	-	6,0	5,3	6,8	6,0	5,9	6,5	5,9	81	Mountain View Seeds		2019-22
Kalle	6,3	6,4	-	4,9	6,3	6,9	6,1	6,0	6,5	6,0	80	Scandinavian Seeds		2019-22
Dancing*	5,3	5,8	-	5,8	5,9	7,0	6,2	6,1	6,5	6,0	82	Barenbrug		2019-22

*Dancing first seed lot had poor germination and was reseeded fall 2019

SCANGREEN, SOUTH

e) Slender creeping red fescue (*Festuca rubra* ssp. *litoralis* (*trichophylla*))

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Resistance to red thread	Relative growth rate	Owner / representative SE/DK/NO	Seed available in 2021	Testing period(s)
Finesto	6,1	6,4	7,2	5,4	5,0	6,3	5,5	6,6	6,5	-	127	DSV	yes	2007-10, 2019-22
Viktorka	6,0	6,3	7,3	6,6	5,3	6,3	-	6,6	-	-	122	Barenbrug	yes	2007-10
Cezanne	6,0	6,0	7,0	5,5	5,0	6,5	5,5	6,5	6,5	6,5	100	DLF	yes	2003-06, 2007-10, 2010-14, 2015-18, 2019-22
Nigella	5,9	6,1	7,0	5,8	5,2	6,6	5,8	6,5	6,6	6,6	114	DLF	yes	2011-14
Barcrown	5,8	6,1	-	5,3	-	6,2	-	6,4	-	-	110	Barenbrug	yes	2003-06
Aporina	5,8	6,0	7,1	5,4	5,1	6,5	5,5	6,5	6,5	6,5	116	DLF	yes	2015-18
Baroyal	5,8	5,8	-	5,6	-	6,7	-	6,6	-	-	120	Barenbrug	yes	2003-06
Mirador	5,8	5,8	7,2	5,5	5,0	6,4	5,4	6,5	6,5	6,5	107	Germinal	yes	2015-18
Beudin	5,7	6,1	7,1	5,0	5,1	5,9	4,9	6,4	6,3	6,5	125	DLF	yes	2011-14
Borluna	5,6	5,5	6,8	6,0	4,9	6,5	5,5	6,5	6,5	6,5	109	Saatzucht Steinach / Germinal	yes	2015-18
Joppa	5,1	5,3	6,9	5,3	4,0	6,3	5,2	6,1	6,2	6,0	135	Scandinavian Seed	yes	2011-14
New varieties														
Absolom	6,3	5,9	-	5,6	4,4	6,1	5,4	6,5	6,5	6,5	117	DLF Seeds		2019-22
DLF FRT- 4575	6,3	6,0	-	5,9	4,5	6,2	5,4	6,5	6,5	6,5	126	DLF Seeds		2019-22
Sybille	6,2	5,8	-	5,6	4,4	6,4	5,5	6,5	6,5	6,5	107	DLF Seeds		2019-22
Barswilcan	6,0	5,8	-	6,1	4,0	6,1	5,4	6,5	6,5	6,5	105	Barenbrug		2019-22
DLF FRT-4537	6,0	6,0	-	6,1	4,5	6,5	5,5	6,5	6,5	6,5	114	DLF Seeds		2019-22
Charlotte	5,8	5,8	-	6,0	4,0	6,1	5,4	6,4	6,5	6,5	100	DSV		2019-22
PPG FRT 101	5,6	5,4	-	6,2	3,5	6,4	5,5	6,4	6,5	6,4	140	Mountain View Seeds		2019-22
DLF FRT-4582	5,5	5,3	-	6,0	4,8	6,4	5,5	6,5	6,5	6,4	112	DLF Seeds		2019-22
DLF FRR-6039*	5,2	5,2	-	5,6	3,7	6,5	5,5	6,3	6,5	6,4	127	DLF Seeds		2019-22

* *Festuca rubra* ssp. *rubra*

SCANGREEN, SOUTH

f) Perennial ryegrass (*Lolium perenne*)

Variety	General impression	Density	Leaf fine-ness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Resistance to red thread	Relative growth rate	Owner / representative SE/DK/NO	Seed available in 2021	Testing period(s)
Clementine	5,1	5,6	5,1	5,1	4,8	4,6	6,0	6,0	6,0	6,1	84	DLF	yes	2015-18
Bargold	5,1	5,1	4,8	5,5	4,8	4,5	5,9	5,9	5,9	6,1	99	Barenbrug	yes	2011-14
Chardin	5,0	5,0	5,0	5,0	5,0	4,6	6,0	6,0	6,0	6,0	100	DLF	yes	2007-10, 2011-14, 2015-18
Columbine	4,8	4,9	4,5	5,9	4,6	4,7	6,1	6,0	6,0	6,0	110	DLF	yes	2011-14
Rinovo	4,4	4,5	4,4	6,9	4,8	4,6	6,0	6,0	6,0	6,0	92	Semillas Fito	yes	2015-18
Monroe	4,1	4,5	4,4	6,8	4,9	4,6	-	6,0	-	-	89	DLF	yes	2007-10

SCANGREEN, SOUTH

g) Rough bluegrass (*Poa trivialis*) and prostrate bluegrass (*Poa supina*)

Variety	General impression	Density	Leaf fine-ness	Color	Winter color	Winter hardiness	Overall resistance to in-season diseases	Resistance to red thread	Relative growth rate	Owner / representative SE/DK/NO	Seed available in 2021	Testing period(s)
Supranova (<i>Poa sup.</i>)	4,0	5,5	3,2	2,9	3,5	5,0	6,0	5,9	175	Eurogreen	yes	2011-14
Sabrena I (<i>Poa triv.</i>)	3,5	5,3	5,2	6,3	3,0	4,0	6,0	6,0	91	DLF	yes	2015-18
Qasar (<i>Poa triv.</i>)	3,5	5,0	5,0	6,0	3,0	4,0	6,0	6,0	100	SW Horto / SW Horto/PGM	yes	2007-10, 2015-18
Winterway (<i>Poa triv.</i>)	3,4	5,0	4,9	6,1	2,8	4,0	6,0	6,0	100	Semillas Fito	yes	2015-18
Dark Horse (<i>Poa triv.</i>)	3,4	4,9	5,2	6,1	2,9	3,9	6,0	6,0	94	Berner / Scandinavian Seed	yes	2011-14, 2015-18
Race Horse (<i>Poa triv.</i>)	3,4	4,9	4,9	5,9	3,5	4,0	6,0	-	100	Scandinavian Seed	yes	2007-10

SECTION III: SCANGREEN, NORTH

Varieties for greens mowed at 3-5 mm in Iceland, Finland and northern and continental parts of Norway and Sweden

a) Velvet bentgrass (*Agrostis canina*)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
Villa I	6,5	7,5	6,5	5,0	6,5	5,5	5,5	5,5	5,5	100	DLF	yes	2003-06, 2007-10, 2011-14, 2019-22
Vesper	6,4	7,4	6,5	5,5	6,7	5,5	-	5,4	-	120	Berner/SW Horto	no	2007-10
Legendary	6,2	7,5	6,6	5,0	6,6	5,4	-	5,5	-	100	DLF	yes	2007-10
Vitagreen	6,2	7,3	6,5	5,2	6,6	5,4	5,7	5,5	5,6	86	Berner/Pick Seed/ Pick Seed	no	2011-14
Avalon	6,1	7,2	6,5	5,3	-	3,6	-	5,4	-	100	Berner/SW Horto / PGM	no	2003-06
New varieties													
Nordlys	5,5	6,4	-	-	5,4	5,5	-	5,5	5,6	-	Graminor	no	2019-22

SCANGREEN, NORTH

b) Colonial bentgrass / browntop (*Agrostis capillaris*)

Variety	General impression	Density	Leaf fine-ness	Color	Winter color	Winter hardi-ness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
Puritan	6,4	7,0	6,3	5,9	5,4	6,1	5,3	5,4	5,4	88	Berner/Pick Seed/ Pick Seed	no	2011-14
Heritage	5,7	6,5	6,0	5,7	5,1	6,7	5,5	5,2	5,3	100	Everris	yes	2015-18
Jorvik	5,5	6,5	6,0	5,6	5,0	5,8	5,3	5,3	5,3	100	DLF	yes	2003-06, 2007-10, 2011-14, 2015-18
Teetop	5,4	6,5	6,0	5,5	4,8	6,1	5,5	5,3	5,3	122	DLF	no	2015-18
Rhinegold	5,4	6,4	6,0	5,6	4,7	6,2	5,2	5,3	5,3	96	DLF	no	2015-18
Cleek	5,2	6,6	6,1	5,6	4,9	6,0	5,2	5,2	5,2	88	DLF	yes	2011-14
Leirin	5,2	6,0	5,6	5,4	4,0	6,5	5,2	5,3	5,3	111	Graminor	yes	2003-06, 2007-10, 2011-14
Nor	5,2	5,6	4,9	5,9	3,0	6,7	-	5,5	-	111	Graminor	yes	2003-06
Barking	5,1	6,3	5,6	5,2	-	5,4	-	5,3	-	105	Barenbrug	yes	2003-06
Aberroyal	4,9	6,0	6,0	5,5	5,0	5,0	-	5,3	-	100	Scandinavian Seed	yes	2007-10
Greenspeed	4,7	6,1	6,1	5,3	6,0	4,3	-	5,2	-	95	DLF	yes	2007-10
Charles	3,5	*	*	*	*	4,1	*	*	*	*	Barenbrug	no	2015-18
New varieties													
Musket (PPG-AT 104)	5,4	6,5	-	5,5	5	5,8	-	5,2	5,4	-	Mountain View Seeds		2019-22

* Could not be evaluated due to abiotic winter damage

SCANGREEN, NORTH

c) Creeping bentgrass (*Agrostis stolonifera*)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
CY-2	6,2	7,1	6,0	6,1	5,2	4,5	-	5,4	-	100	DLF	yes	2007-10
Luminary	6,3	7,0	6,0	5,8	4,7	4,9	5,3	5,3	5,3	67	Landmark Turf & Native Seed	yes	2015-18, 2019-22
Riptide	6,3	7,0	6,0	5,8	5,0	4,8	5,3	5,3	5,3	90	Everris	yes	2015-18, 2019-22
Ignite	6,0	7,0	6,0	6,1	5,0	4,9	5,3	5,3	5,3	94	Barenbrug	yes	2015-18
Independence	6,0	7,0	6,0	6,0	5,0	4,8	5,3	5,3	5,3	100	DLF	yes	2003-06, 2007-10, 2011-14, 2015-18, 2019-22
Flagstick	6,0	7,0	6,0	5,9	4,9	4,7	5,3	5,3	5,3	92	DLF	no	2015-18
Teeone (TI)	6,1	6,9	6,0	6,0	5,5	4,9	5,3	5,2	5,2	114	Barenbrug	no	2011-14
Cobra Nova	5,9	6,8	6,0	6,1	5,3	4,8	5,2	5,2	5,2	100	DLF	yes	2011-14
L93	5,8	6,6	5,9	6,0	4,7	4,7	-	5,3	-	127	Barenbrug	yes	2003-06, 2007-10
Focus	5,7	7,2	6,1	6,0	5,0	4,7	5,2	5,3	5,3	100	Berner/Pick Seed/Pick Seed	no	2011-14
OO7	5,9	7,0	6,1	5,9	5,2	4,9	5,2	5,2	5,2	114	Barenbrug/SW Horto/PGM	yes	2011-14, 2019-22
Tiger Shark	5,7	7,0	6,1	6,0	5,1	4,7	5,3	5,2	5,2	100	Barenbrug	yes	2011-14
Crystal Blue	5,9	6,9	5,8	5,9	4,9	4,8	5,3	5,3	5,3	98	Svensk Jordelit (Sweden, Norway and Finland)	yes	2015-18, 2019-22
Memorial	5,7	6,8	5,8	6,0	4,8	4,9	5,4	5,3	5,3	127	Everris	yes	2015-18
Penn G-6	5,7	6,6	5,9	6,0	-	4,5	-	5,2	-	120	Tempoverde	no	2003-06
MacKenzie	5,6	6,8	6,1	6,0	5,0	4,2	-	5,4	-	133	DSV / SW Horto	yes	2007-10
Penn G-2	5,6	6,6	6,1	5,9	-	2,7	-	5,3	-	120	Tempoverde	no	2003-06

SCANGREEN, NORTH

c) Creeping bentgrass (continued)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to pink snow mold in spring	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
Declaration	5,4	6,6	5,9	6,1	5,0	4,3	-	5,4	-	100	Barenbrug	yes	2007-10
Pure Distinction	4,2	*	*	*	*	3,2	*	*	*	*	Svensk Jordelit (Sweden, Norway and Finland)	yes	2015-18
New varieties													
Matchplay	6,7	-	-	5,8	4,8	4,9	-	5,3	5,3	-	Landmark Seeds		2019-22
Ardent	6,6	-	-	6,6	5,5	4,9	-	5,3	5,3	-	Scandinavian Seeds		2019-22
Valderrama	6,3	-	-	5,9	5,1	4,9	-	5,3	5,3	-	Semillas Fito		2019-22
DC I	6,2	-	-	5,8	4,6	4,8	-	5,3	5,3	-	ICL/Everris		2019-22
777 Tripleseven	6,2	-	-	5,9	4,6	4,8	-	5,3	5,3	-	DLF		2019-22
Macdonald	6,1	-	-	5,8	4,6	4,8	-	5,3	5,3	-	DLF		2019-22
Penntrio	6,1	-	-	5,8	4,6	4,8	-	5,2	5,2	-	Tempo Verde		2019-22
Tour Pro	6,1	-	-	5,8	4,6	4,8	-	5,3	5,3	-	Semillas Fito		2019-22
L-93 XD	6,0	-	-	5,8	4,9	4,9	-	5,3	5,3	-	Barenbrug		2019-22

* Could not be evaluated due to abiotic winter damage

SCANGREEN, NORTH

d) Chewings fescue (*Festuca rubra ssp. commutata*)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardiness	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
Caldris	6,5	6,6	7,2	5,9	5,3	5,8	6,5	6,5	100	DLF	yes	2011-14
Barlineus	6,5	6,7	-	6,2	5,0	5,4	6,4	6,4	105	Barenbrug	yes	2011-14, 2019-22
Valetta	6,4	6,5	6,9	6,9	4,7	5,9	6,6	6,6	91	DLF	no	2011-14
Lykke	6,4	6,4	6,9	6,3	5,0	6,6	6,5	6,5	111	Graminor	no	2011-14, 2019-22
Bargreen II	6,3	6,6	7,0	6,2	4,6	5,7	6,4	6,4	100	Barenbrug	yes	2011-14
Musica	6,3	6,5	7,0	6,2	5,3	5,8	6,5	6,5	100	Barenbrug	yes	2007-10, 2011-14, 2015-18, 2019-22
Humboldt	6,3	6,4	7,0	6,9	6,2	6,1	6,5	6,5	91	DLF	yes	2015-18
LøRc0010	6,3	6,4	6,9	6,3	4,4	5,7	6,6	6,6	91	Graminor	no	2011-14
Greensleeves	6,3	6,3	7,0	6,2	5,4	5,6	6,5	-	78	DLF	yes	2007-10
Barchip	6,2	6,5	7,0	7,3	6,2	5,9	6,5	6,5	106	Barenbrug	yes	2015-18
Lystig	6,2	6,4	7,0	6,2	5,0	6,7	6,6	6,6	95	Graminor	no	2011-14, 2019-22
Wagner I	6,2	6,4	7,0	7,3	5,5	5,7	6,4	6,5	104	DLF	yes	2015-18
Nikky	6,1	6,5	7,1	7,1	4,4	5,7	6,5	6,5	82	DLF	yes	2011-14
Bargreen	6,1	6,0	-	5,4	-	5,8	6,5	-	86	Barenbrug	yes	2003-06
Linda	5,8	5,9	7,0	6,1	4,8	5,8	6,5	-	78	Graminor	yes	2007-10
Aureline	5,7	6,5	7,0	6,2	6,4	5,4	6,6	6,5	94	Barenbrug	no	2015-18
Calliope	5,4	6,0	-	5,4	-	4,7	6,5	-	78	DLF	yes	2003-06

d) Chewings fescue (continued)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardness	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
SW Cygnus	5,3	5,5	-	5,8	-	5,8	6,5	-	86	Lantmännen Ek. För	no	2003-06
Bellaire	4,9	5,9	-	6,8	-	3,5	6,4	-	69	DLF	yes	2003-06
New varieties												
Euro Carina	6,5	6,3	-	6,2	5,1	8,1	6,5		93	DSV		2019-22
Orionette	6,4	6,6	-	6,2	5,8	8,5	6,6	6,5	120	DLF		2019-22
Gima	6,4	6,3	-	6,2	5,4	4,3	6,4	6,4	102	DLF		2019-22
Torona	6,3	6,4	-	6,2	5,5	8,6	6,5	6,5	130	DLF		2019-22
Firan	6,3	6,1	-	6,3	5,6	8,1	6,6	6,5	130	DLF		2019-22
PPG FRC 113	6,2	6,1	-	6,8	5,1	7,0	6,6	6,5	91	Mountain View Seeds		2019-22
Radar	6,2	6,1	-	6,8	5,1	4,4	6,6	6,5	98	Mountain View Seeds		2019-22
Kalle	5,9	6,4	-	6,0	6,1	8,7	6,5	6,5	89	Scandinavian Seeds		2019-22

SCANGREEN, NORTH

e) Slender creeping red fescue (*Festuca rubra* ssp. *litoralis* (*trichophylla*))

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardness	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
Nigella	6,2	6,1	6,9	5,7	5,2	5,3	6,9	6,9	100	DLF	yes	2011-14
Baroyal	6,1	5,8	-	5,7	-	5,7	7,0	-	113	Barenbrug	yes	2003-06
Cezanne	6,0	6,0	7,0	5,5	5,0	5,3	7,0	7,0	100	DLF	yes	2003-06, 2007-10, 2011-14, 2015-18, 2019-22
Viktorka	5,9	6,0	7,0	5,6	4,8	5,0	6,9	-	100	Barenbrug	yes	2007-10
Beudin	5,8	5,9	7,2	5,3	5,0	5,1	6,9	6,9	102	DLF	yes	2011-14
Mirador	5,8	5,9	7,0	5,6	5,0	5,0	7,0	7,0	115	Germinal	yes	2015-18
Finesto	5,8	5,9	7,0	5,3	4,9	5,2	7,0	-	115	DSV	yes	2007-10, 2019-22
Borluna	5,6	6,0	7,0	5,7	5,3	5,2	7,0	7,0	108	Saatzucht Steinach / Germinal	yes	2015-18
Aporina	5,6	6,0	7,0	5,6	5,0	4,9	6,9	6,9	114	DLF	yes	2015-18
Joppa	5,6	5,4	6,8	5,4	4,6	5,5	6,9	6,9	107	Scandinavian Seed	yes	2011-14
Barcrown	5,0	5,6	-	5,6	-	4,7	7,0	-	88	Barenbrug	yes	2003-06
New varieties												
Barswilcan	6,2	6,3	-	5,4	4,7	5,3	7,0	7,0	110	Barenbrug		2019-22
Cezanne	6,0	6,0	-	5,5	5,0	5,3	7,0	7,0	100	DLF		2019-22
Charlotte	6,0	6,0	-	5,4	4,8	5,3	7,0	6,9	87	DSV		2019-22
DLF FRT-4537	5,8	6,2	-	5,4	5,0	5,3	7,0	7,0	85	DLF		2019-22
Absolom	5,8	6,2	-	5,2	5,0	5,3	7,0	7,0	103	DLF		2019-22
Finesto	5,8	5,9	-	5,3	4,9	5,2	7,0	7,0	115	DSV		2019-22
Sybille	5,8	6,3	-	5,3	4,7	5,3	7,0	7,0	100	DLF		2019-22
PPG FRT 101	5,6	6,1	-	5,4	4,0	5,2	7,0	7,0	118	Mountain View Seeds		2019-22
DLF FRT- 4575	5,5	6,3	-	5,3	5,0	5,3	7,0	6,9	115	DLF		2019-22
DLF FRR-6039	5,3	6,0	-	5,4	4,4	4,4	7,0	7,0	121	DLF		2019-22
DLF FRT-4582	5,0	6,0	-	5,3	5,0	5,3	7,0	7,0	105	DLF		2019-22

SCANGREEN, NORTH

f) Perennial ryegrass (*Lolium perenne*)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardness	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
Columbine	5,9	4,9	5,0	5,3	5,0	4,6	6,0	6,0	100	DLF	yes	2011-14
Bargold	5,4	5,0	5,0	5,3	5,0	4,1	6,0	6,0	103	Barenbrug	yes	2011-14
Clementine	5,1	5,1	4,7	5,2	5,0	3,1	6,0	6,0	94	DLF	yes	2015-18
Chardin	5,0	5,0	5,0	5,0	5,0	3,5	6,0	6,0	100	DLF	yes	2007-10, 2011-14, 2015-18
Rinovo	4,8	5,1	4,7	5,9	5,0	3,2	6,0	6,0	91	Semillas Fito	yes	2015-18
Monroe	4,6	4,7	5,0	5,4	5,4	3,7	6,0	-	122	DLF	yes	2007-10

SCANGREEN, NORTH

g) Rough bluegrass (*Poa trivialis*) and prostrate bluegrass (*Poa supina*)

Variety	General impression	Density	Leaf fineness	Color	Winter color	Winter hardness	Overall resistance to in-season diseases	Resistance to in-season <i>M.nivale</i>	Relative growth rate	Owner / representative FIN/SE/NO/ICE	Seed available in 2021	Testing period(s)
Supranova (<i>Poa sup</i>)	6,7	6,8	3,4	3,3	3,0	5,5	6,4	6,4	95	Eurogreen	yes	2011-14
Dark Horse (<i>Poa triv.</i>)	4,8	6,2	5,5	6,0	3,0	3,7	6,0	6,0	105	Berner / Scandinavian Seed	yes	2011-14, 2015-18
Sabrena I (<i>Poa triv.</i>)	4,8	6,0	5,5	6,0	3,0	3,8	6,0	6,0	102	DLF	yes	2015-18
Winterway (<i>Poa triv.</i>)	4,7	6,1	5,5	6,0	3,0	3,9	6,0	6,0	107	Semillas Fito	yes	2015-18
Race Horse (<i>Poa triv.</i>)	4,6	6,0	5,5	6,0	3,0	4,0	6,0	6,0	75	Scandinavian Seed	yes	2007-10
Qasar (<i>Poa triv.</i>)	4,5	6,0	5,5	6,0	3,0	3,9	6,0	6,0	100	SW Horto / SW Horto/ PGM	yes	2007-10, 2015-18

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Eurogreen	Betzdorfer Str. 25-29, 57520 Rosenheim, Germany	Harald Nonn	+49 2741 281856	Harald.Nonn@eurogreen.de
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Graminor	Hommelstadvegen 60, NO-2322 Ridabu, Norway	Stig Rune L. Herbrandsen	+47 414 72 186	stig.herbrandsen@graminor.no
Landmark Turf and Native Seed	4908 S. Hayford Rd., Spokane, WA 99224, USA	John Patton	+1 (912)660-7292	jpatton@turfandnativeseed.com
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PGM	Postboks 390, NO-1411 Kolbotn, Norway	Thomas Nicolaysen	+ 47 95 05 15 76	thomas@pgm.no

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