

A photograph of a golf course in Iceland. In the foreground, there is a green lawn with some darker patches. In the middle ground, there is a modern, multi-story building with a yellow and green facade. In the background, there are large, rugged mountains under a cloudy sky. The text "TURFGRASS SEED FOR THE NORDIC COUNTRIES 2023-2024" is overlaid in large white letters on the right side of the image.

# TURFGRASS SEED FOR THE NORDIC COUNTRIES 2023-2024

**RESULTS FROM SCANTURF AND SCANGREEN VARIETY TESTING,  
UPDATED APRIL 2023**

*Photo: Bjarni Hannesson, Reykjavik GC, Iceland*

*Sterk*



# 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.

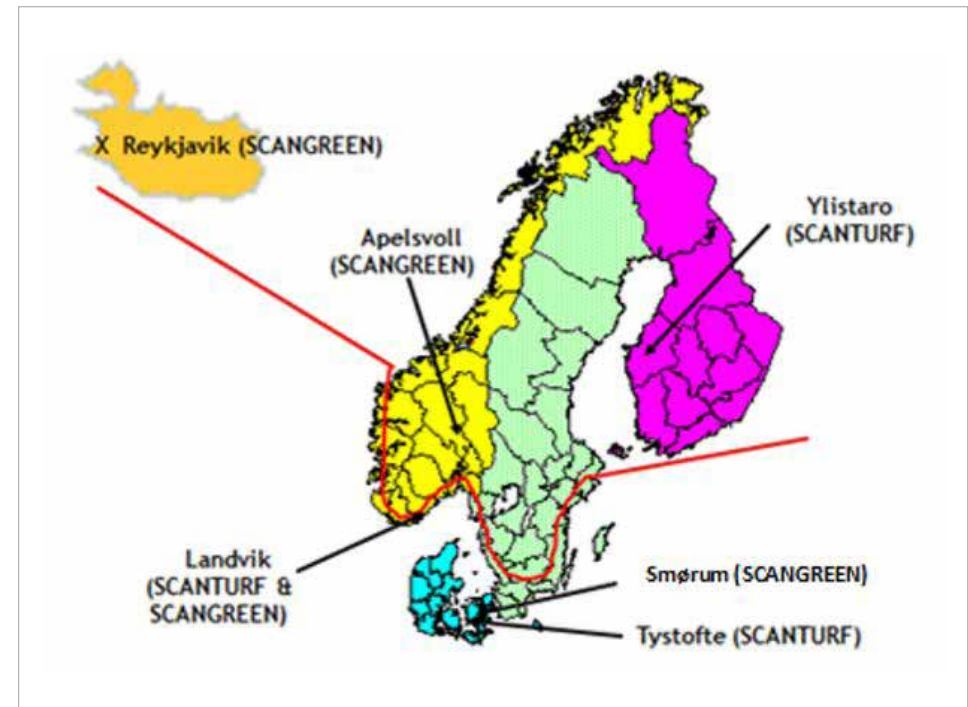
Except for a change to cylinder mowers with a maximum mowing height of 20 mm in all SCANTURF trials without wear in 2011, maintenance and observations in SCANTURF and SCANGREEN have mostly been the same since the programs started 18-20 years ago. The evaluation period remains three years in both programs. 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 (2017, 2019, 2021, 2023 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. The red line indicates the separation 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](http://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 Østra 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 2023 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](http://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 2023, 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*) for lawn and sports turf mown at 10-40 mm

Variety	General impression lawn, mowing height mm 10-40 10-20		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 Drechslera leaf spot	Resistance to red thread	Resistance to \$ spot	Relative growth rate	Owner / representative	Seed available in 2023	Testing programme / period
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	yes	SCANTURF 2015-2018
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	yes	SCANTURF 2013-2016
Comet (SR 2284)	5,2	5,2	4,5	-	5,1	-	-	-	-	-	-	-	-	-	-	-	Berner / Scandinavian Seed	no	Ø. Ljungby 2006-08
Anisha	5,2	5,2	4,9	4,2	4,7	4,8	6,0	5,1	8,0	-	5,8	4,3	-	5	5,6	98	DLF	yes	SCANTURF 2019-2022
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
Barserati	4,9	4,9	-	-	4,6	4,6	6,0	5,0	8,0	-	5,9	4,3	-	5,2	4,6	94	Barenbrug	yes	SCANTURF 2019-2022
Bluechip	4,9	4,9	4,9	4,0	5,3	3,9	6,1	4,9	8,0	-	6,2	4,2	-	5	5,5	94	Scandinavian Seeds	no	SCANTURF 2019-2022

\* 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 fineness	Color	Winter color	Winter hardiness	Resistance to grey snow mold	Resistance to microdochium patch	Resistance to rust	Resistance to Drechslera leaf spot	Resistance to red thread	Resistance to \$ spot	Relative growth rate	Owner / representative	Seed available in 2023	Testing programme / period
	10-40	10-20																	
Strenuus	4,8	4,8	-	-	5,2	4,3	5,8	4,8	8,0	-	6,3	4,3	-	4,8	3,3	96	Landmark Turf and Native Seed	yes	SCANTURF 2019-2022
Hilda	4,7	4,7	4,7	4,3	5,4	4,9	6,2	5,6	7,6	-	6,0	4	-	5	5,5	101	Scandinavian Seeds	yes	SCANTURF 2019-2022
Baronial	4,7	-	-	-	4,2	4,5	6,0	4,8	8,0	-	-	-	-	-	-	115	Barenbrug	yes	Norway 2003-06
Jackpot	4,6	4,6	4,8	4,8	5,1	4,5	6,1	5,2	7,8	-	6,2	4,3	-	5	5,8	101	Scandinavian Seeds	no	SCANTURF 2019-2022
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
Geisha	4,3	4,3	-	-	3,3	3,6	5,9	4,7	7,6	-	6,0	4	-	5	4,6	101	DLF	yes	SCANTURF 2019-2022
Impact	4,3	4,3	4,7	5,4	4,2	4,3	6,7	5,2	8,0	-	5,8	3,9	-	5	5,3	98	Scandinavian Seeds	no	SCANTURF 2019-2022
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
Liberator	4,3	4,3	4,7	5,6	4,1	4,4	6,8	5,1	7,4	-	6,3	3,6	-	4,8	5,5	94	Scandinavian Seeds	yes	SCANTURF 2019-2022
Evora	3,9	-	-	-	3,7	-	-	-	6,2	-	-	-	-	-	-	-	DLF	yes	Finland 1995-02, Sverige 2002-05
<b>New varieties</b>																			
Julius	6,2	6,2	-	-	6,1	5,4	5,7	5,1	8,0	-	5,7	-	-	4,8	-	96	DLF	yes	SCANTURF 2021-2024
Barclaren	5,4	5,4	-	-	4,5	4,5	6,7	5,9	8,1	-	6,8	-	-	5,8	-	98	Barenbrug	yes	SCANTURF 2021-2024
Yellowstone	4,2	4,2	3,5	3,1	4,1	4,5	7,0	6,0	8,0	-	6,2	-	-	5,2	-	91	Landmark Turf & Native Seed	yes	SCANTURF 2021-2024

\* Based on separate wear trials

# SCANTURF

## b) Perennial ryegrass (*Lolium perenne*) for lawn and sports turf mown at 10-40 mm

Variety	General impression lawn, mowing height mm 10-40 10-20		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		Owner / representative	Seed available in 2023	Testing programme / period
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
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
Annecy	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
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	yes	SCANTURF 2017-2020
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 2011-14
Mumbai	6,1	6,1	7,7	3,2	6,7	6,3	4,7	5,4	4,9	-	4,9	-	-	3,2	92	DLF	no	SCANTURF 2019-2022
Angelina	6,0	6,0	-	-	6,1	5,7	4,7	5,7	4,8	-	5	-	-	3,8	95	DLF	yes	SCANTURF 2019-2022
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
Greenway	6,0	-	6,8	-	5,9	5,5	5,4	5,5	-	-	-	-	-	-	100	DLF	yes	Denmark 2001-04
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 2011-14, 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 2011-14
Beckham	5,6	5,6	6,9	5,2	5,6	5,4	4,2	5,4	4,8	-	5	-	-	3,4	100	DSV	yes	SCANTURF 2019-2022
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
Sirtaky	5,4	5,4	6,5	5,8	5,0	4,9	4,6	5,9	4,8	-	4,9	-	-	3,8	100	Scand. Seeds	yes	SCANTURF 2019-2022
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
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 10-40 10-20		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 Drechslera leaf spot	Resistance to red thread	Relative growth rate	Owner / representative	Seed available in 2023	Testing programme / period
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
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
Baradona	5,3	5,3	-	-	5,5	5,5	5,2	5,6	4,7	-	5,1	-	-	3,2	99	Barenbrug	yes	SCANTURF 2019-2022
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
Corsica	5,1	5,1	7,1	3,9	5,2	4,9	5,7	6,2	4,7	-	4,9	-	-	3,8	97	Scand. Seeds	yes	SCANTURF 2019-2022
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
SW Corvus	5,1	-	-	-	5,1	4,6	4,3	5,5	4,5	-	-	-	-	-	125	Lantmännen	yes	Norway 2003-06
Allie	5,0	5,0	7,3	3,9	5,4	5,0	5,2	6,2	4,6	-	5	-	-	3,8	104	Scand. Seeds	yes	SCANTURF 2019-2022
Confidence	5,0	5,0	6,6	6,0	5,3	4,9	5,8	6,2	4,7	-	5,2	-	-	3,8	93	Scand. Seeds	yes	SCANTURF 2019-2022
Platinum	4,9	-	-	-	5,0	4,8	5,3	5,8	4,1	-	-	-	-	-	90	DLF	yes	Norway 2003-06
Adagio	4,8	4,8	6,7	3,3	5,3	5,3	5,3	5,9	4,7	-	5,1	-	-	3,8	102	Scand. Seeds	yes	SCANTURF 2019-2022
Firebird	4,6	4,6	6,8	3,4	5,0	4,9	5,5	6,1	4,6	-	5,2	-	-	3,2	90	Scand. Seeds	yes	SCANTURF 2019-2022
Top Gun	4,5	4,5	6,0	6,4	4,2	3,9	5,1	5,9	4,8	-	5	-	-	4	107	Scand. Seeds	no	SCANTURF 2019-2022
Double Time	3,5	3,5	4,6	7,2	2,9	3,0	6,6	5,9	5,2	-	5,3	-	-	4,2	97	Scand. Seeds	yes	SCANTURF 2019-2022
<b>New varieties</b>																		
Eurocool	5,8	5,8	7,0	2,1	5,8	5,6	4,8	5,4	4,9	-	5,4	-	-	3,5	96	DSV	yes	SCANTURF 2021-2024
Gildara	5,7	5,7	6,8	4,8	5,6	5,6	5,0	5,8	4,9	-	5,4	-	-	3,5	97	DLF	yes	SCANTURF 2021-2024
DLF LGD-4191	5,6	5,6	-	-	5,4	5,7	4,6	5,6	4,9	-	5,0	-	-	3,5	98	DLF	no	SCANTURF 2021-2024
Tetragon	5,4	5,4	6,8	4,6	5,3	4,8	5,0	5,6	5,4	-	5,7	-	-	3,8	103	DSV	no	SCANTURF 2021-2024
Torsion	5,0	5,0	-	-	5,4	5,3	5,8	5,9	4,7	-	5,0	-	-	3,5	96	ICL/Everris	yes	SCANTURF 2021-2024
Greenplanet	4,7	4,7	-	-	5,0	5,4	6,0	6,5	4,2	-	5,0	-	-	3,5	94	ICL/Everris	yes	SCANTURF 2021-2024
Intense	4,6	4,6	6,1	5,1	5,3	5,1	6,6	6,6	4,9	-	5,5	-	-	3,5	97	Landmark	yes	SCANTURF 2021-2024

\* Based on separate wear trials

# SCANTURF

## c) Chewings fescue (*Festuca rubra* ssp. *commutata*) for lawn mown at 10-40 mm

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 Drechslera leaf spot	Resistance to red thread	Relative growth rate	Owner / representative	Seed available in 2023	Testing programme / period
	6,6	6,4														
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
Lodde	6,3	6,1	7,0	7,3	6,7	5,9	5,5	-	5,9	-	-	5,7	100	Graminor	no	SCANTURF 2019-2022
Lykke	6,3	6,1	6,9	7,3	6,3	6,3	5,6	-	6,0	-	-	5,7	100	Graminor	yes	SCANTURF 2019-2022
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
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
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
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
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
Compass II	5,9	5,7	6,7	6,8	7,2	6,5	5,5	-	6,1	-	-	5,8	97	Mountain View Seeds	yes	SCANTURF 2019-2022
Kalle	5,8	5,6	6,5	7,0	6,4	7,0	5,5	-	6,1	-	-	5,6	97	Scandinavian Seeds	yes	SCANTURF 2019-2022



c) Chewings fescue (continued)

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 2023	Testing programme / period
SW Cygnus	5,7	-	5,4	7,6	6,3	5,5	6,5	-	-	-	-	-	104	Lantmännen Ek. För.	yes	Norway 2003-06
Riparia	5,6	5,5	6,4	6,9	7,2	6,5	5,6	-	6,0	-	-	4,1	97	DLF	yes	SCANTURF 2019-2022
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
<b>New varieties</b>																
LMG FRC-3359	6,7	6,5	7,4	7,6	6,0	6,5	5,5	-	6	-	-	6,1	97	DLF	no	SCANTURF 2021-2024
Orionette	6,5	6,3	7,4	7,4	5,7	6,4	5,6		6,2			5,4	102	DLF	yes	SCANTURF 2021-2024
DLF FRC-3293	6,3	6,1	7,3	7,4	6,5	6,8	5,6	-	6,2	-	-	5,7	94	DLF	no	SCANTURF 2021-2024
Cecil	6,1	5,9	6,8	7,3	6,5	6,4	5,6	-	6	-	-	5,4	101	DSV	no	SCANTURF 2021-2024
Mahindra	6,1	5,9	6,7	7,3	6,8	6,8	5,3	-	5,8	-	-	5,4	102	DLF	yes	SCANTURF 2021-2024

# SCANTURF

d) Slender creeping red fescue (*Festuca rubra* ssp. *litoralis* (*trichophylla*)) for lawn mown at 10-40 mm

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 2023	Testing programme / period
SeaMist	6,2	6,1	6,8	7,0	5,7	5,5	5,2	-	4,5	-	-	5	114	Mountain View Seeds	yes	SCANTURF 2019-2022
Yoga	6,1	6,0	6,8	7,3	6,0	6,5	5,2	-	4,5	-	-	5,1	100	DLF	no	SCANTURF 2019-2022
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	no	Ø.Ljungby 2005-2008
Joppa	5,1	5,0	5,7	6,1	6,3	6,0	5,2	-	5,3	-	-	4,1	111	Scandinavian Seeds	yes	SCANTURF 2019-2022
Smirna	5,0	-	6,0	6,8	-	6,0	5,5	-	-	-	-	-	110	DLF	yes	Sweden 1992-95, Denmark 1997-99
<b>New varieties</b>																
Sarolea	6,2	6,1	6,6	7,4	6,4	6,9	5,0	-	4,0	-	-	4,7	93,0	DLF	yes	SCANTURF 2021-2024

# SCANTURF

e) Strong creeping red fescue (*Festuca rubra* ssp. *rubra*) for lawn mown at 10-40 mm

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 2023	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
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	yes	Ø.Ljungby 2005-2008

## SCANTURF

### f) Hard fescue (*Festuca trachyphyla*) for lawn mown at 10-40 mm

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 2023	Testing programme / period
	10-40 mm	10-20 mm											
Shaun	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

### g) Sheep fescue (*Festuca ovina*) for lawn mown at 10-40 mm

Variety	General impression lawn, mowing height		Density	Leaf fineness	Color	Winter color	Winter hardiness	Resistance to red thread	Resistance to microdochium patch	Relative growth rate	Owner / representative	Seed available in 2023	Testing programme / period
	10-40 mm	10-20 mm											
<b>New varieties</b>													
Quatro (c)	6,1	6,1	7,1	8,3	8,0	6,7	7,0	7,0	6,9	100	DLF	yes	SCANTURF 2021-2024
Blue Hornet	5,5	5,5	7,1	8,3	8,0	6,6	7,0	6,9	7,0	96	ICL/Everris International B.V	yes	SCANTURF 2021-2024

# SCANTURF

## h) 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 2023	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	no	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*) for greens in Southern Scandinavia

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 2023	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	no	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
Nordlys	5,1	5,4	6,4	4,5	4,4	6,2	5,4	5,3	5,2	5,8	140	Graminor	no	2019-2022

## SCANGREEN, SOUTH

b) Colonial bentgrass = browntop (*Agrostis capillaris*) for greens in Southern Scandinavia

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 2023	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
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	5,5	5,1	6,2	5,2	5,4	5,4	5,0	99	Everris	yes	2015-18, 2019-22
Teetop	5,5	6,8	6,1	5,1	5,4	6,6	5,5	5,4	5,5	5,0	117	DLF	yes	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
Musket	5,5	6,6	6,1	5,4	5,1	6,0	5,0	5,3	5,3	5,0	93	Mountain View Seeds	yes	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	yes	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	no	2003-06

# SCANGREEN, SOUTH

## c) Creeping bentgrass (*Agrostis stolonifera*) for greens in Southern Scandinavia

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 2023	Testing period(s)
Match Play	6,7	7,7	6,2	5,7	5,1	6,6	5,9	-	6,5	6,0	6,0	6,0	93	Landmark Seeds	yes	2019-22
L-93 XD	6,5	7,5	6,3	5,7	5,3	6,7	6,1	-	6,5	6,0	6,0	6,0	90	Barenbrug	yes	2019-22
Luminary	6,5	7,4	5,9	5,8	5,4	6,6	5,9	6,0	6,5	6,0	6,0	6,0	99	Landmark Turf & Native Seed	yes	2015-18, 2019-22
Piranha	6,4	7,5	6,2	5,8	5,3	6,6	5,8	-	6,4	6,0	6,0	6,0	94	ICL / Everris	yes	2019-22
777 Triple Seven	6,3	7,3	6,5	5,8	5,2	6,6	6,1	-	6,5	6,0	6,0	6,0	98	DLF Seeds	yes	2019-22
OO7	6,2	7,4	6,0	6,0	5,4	6,6	6,1	5,6	6,6	5,9	6,0	-	104	Barenbrug/SW Horto/PGM	yes	2011-14, 2019-22
Tour Pro	6,2	7,0	6,0	5,6	5,4	6,6	6,0	-	6,5	6,0	6,0	5,9	98	Semillas Fito	yes	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	yes	2015-18
Valderrama	6,1	7,1	5,9	6,1	5,6	6,6	6,0	-	6,5	6,0	6,0	6,0	105	Semillas Fito	yes	2019-22
Independence I	6,0	7,2	6,0	6,0	5,3	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
Riptide	6,0	7,1	6,3	5,7	5,1	6,5	5,9	6,0	6,5	6,0	6,0	6,0	97	Everris	yes	2015-18, 2019-22
Declaration	6,0	6,9	6,4	5,4	5,7	7,2	-	-	6,5	-	-	-	100	Barenbrug	no	2007-10
Pure Distinction	5,9	7,3	6,3	5,2	4,7	6,3	5,6	6,0	6,4	5,8	6,0	5,9	93	Svensk Jordelit	yes	2015-18, 2019-22
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

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 2023	Testing period(s)
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
Penn G-2	5,4	6,2	5,1	5,7	-	6,1	-	-	6,4	-	-	-	150	Tempoverde	no	2003-06
Pure Select	5,4	6,7	6,3	5,7	4,5	6,0	5,3	-	6,3	5,7	6,0	6,0	98	Svensk Jordelit	yes	2019-22
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	yes	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	no	2003-06, 2007-10

## SCANGREEN, SOUTH

d) Chewings fescue (*Festuca rubra* ssp. *commutata*) for greens in Southern Scandinavia

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 2023	Testing period(s)
Euro Carina	7,0	7,3	7,0	5,7	5,8	6,8	5,9	6,0	6,5	6,0	102	DSV	yes	2019-22
Barlineus	6,9	6,9	7,0	5,4	6,2	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	6,9	7,3	7,0	5,5	5,6	6,8	6,0	6,0	6,5	6,0	100	Barenbrug	yes	2007-10, 2011-14, 2015-18, 2019-22
Lodde	6,8	6,9	7,0	5,6	4,5	6,9	6,0	6,1	6,6	6,0	95	Graminor	no	2011-14, 2019-22
Gima	6,8	6,9	7,0	5,8	5,5	6,9	6,0	6,0	6,5	5,9	98	DLF	yes	2019-22
Orionette	6,7	7,2	7,0	5,5	5,4	6,9	6,1	6,0	6,6	6,0	101	DLF	yes	2019-22
Torona	6,7	6,7	7,0	5,5	5,5	6,9	6,1	6,0	6,6	6,0	100	DLF	yes	2019-22
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
Lystig	6,6	6,9	7,0	5,6	5,6	6,9	6,1	6,0	6,6	6,0	93	Graminor	yes	2011-14, 2019-22
Lykke	6,5	6,6	7,0	5,4	4,9	6,9	6,1	6,1	6,6	6,0	106	Graminor	yes	2011-14, 2019-22
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
Firan	6,3	6,7	7,0	5,8	5,6	6,9	5,9	6,0	6,5	6,0	105	DLF	no	2019-22
Greensleeves	6,2	6,3	7,0	5,9	5,4	6,8	-	6,1	-	-	93	DLF	yes	2007-10
Compass II	6,1	6,3	6,8	6,1	5,8	6,8	5,9	5,9	6,5	5,9	101	Mountain View Seeds	yes	2019-22



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 2023	Testing period(s)
Radar	6,0	6,5	6,7	6,4	5,8	6,8	5,9	5,9	6,5	5,9	99	Mountain View Seeds	yes	2019-22
Linda	5,8	5,8	6,8	5,5	4,2	6,9	-	6,1	-	-	93	Graminor	yes	2007-10
Kalle	5,8	6,2	6,8	5,4	5,5	6,7	5,8	5,9	6,5	5,9	95	Scandinavian Seeds	yes	2019-22
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	yes	2007-10

# SCANGREEN, SOUTH

e) Slender creeping red fescue (*Festuca rubra* ssp. *litoralis* (*trichophylla*)) for greens in Southern Scandinavia

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 2023	Testing period(s)
Cezanne	6,3	6,4	7,1	5,6	5,2	6,5	5,5	6,6	6,5	6,5	100	DLF	yes	2003-06, 2007-10, 2010-14, 2015-18, 2019-22
Coptic	6,3	6,0	7,1	5,4	5,1	6,5	5,5	6,7	6,5	6,5	97	DLF	no	2019-22
SeaMist	6,2	5,6	6,9	5,6	4,6	6,6	5,6	6,7	6,4	6,5	124	Mountain View Seeds	yes	2019-22
Barswilcan	6,2	6,0	7,0	5,5	5,2	6,3	5,3	6,6	6,4	6,5	96	Barenbrug	yes	2019-22
Zari	6,1	6,1	7,0	5,2	5,2	6,2	5,3	6,4	6,4	6,5	113	DLF	no	2019-22
Sybillie	6,0	5,5	7,0	5,4	4,7	6,4	5,4	6,6	6,5	6,6	98	DLF	no	2019-22
Viktorka	6,0	6,3	7,3	6,6	5,3	6,3	-	6,6	-	-	122	Barenbrug	yes	2007-10
Absolom	6,0	5,9	7,0	5,5	4,8	6,3	5,3	6,5	6,4	6,6	115	DLF	yes	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	no	2011-14
Baroyal	5,8	5,8	-	5,6	-	6,7	-	6,6	-	-	120	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
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
Barcrown	5,8	6,1	-	5,3	-	6,2	-	6,4	-	-	110	Barenbrug	yes	2003-06
Yoga	5,7	5,8	7,1	5,7	5,7	6,4	5,4	6,6	6,3	6,5	112	DLF	no	2019-22
Charlotte	5,7	5,6	6,9	5,5	5,1	6,0	5,1	6,6	6,3	6,5	96	DSV	yes	2019-22
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

# SCANGREEN, SOUTH

f) Perennial ryegrass (*Lolium perenne*) for greens in Southern Scandinavia

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 2023	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*) for greens in Southern Scandinavia

Variety	General impression	Density	Leaf fine-ness	Color	Winter color	Winter hardi-ness	Overall resistance to in-season diseases	Resistance to in-season M.nivale	Relative growth rate	Owner / representative SE/DK/NO	Seed available in 2023	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	no	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	no	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

h) Smooth meadow grass / Kentucky bluegrass (*Poa pratensis*) for greens in Southern Scandinavia

Variety	General impression	Density	Leaf fine-ness	Color	Winter color	Winter hardi-ness	Overall resistance to in-season diseases	Resistance to in-season M.nivale	Relative growth rate	Owner / representative SE/DK/NO	Seed available in 2023	Testing period(s)
Limousine	5,7	6,0	5,3	5,5	4,1	6,2	6,4	6,4	124	DSV	yes	2015-18, 2019-22
Traction	5,4	6,2	5,6	5,8	4,2	6,3	6,3	6,3	132	ICL/Everris	yes	2019-22

## 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*) for greens in Northern Scandinavia

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 2023	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	no	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
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*) for greens in Northern Scandinavia

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 2023	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	5,6	6,5	6,0	5,7	5,1	6,0	5,4	5,2	5,3	100	Everris	yes	2015-18
Jorvik	5,6	6,5	6,0	5,6	5,0	5,9	5,4	5,3	5,4	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	yes	2015-18
Musket	5,4	6,4	5,9	5,5	5,0	5,8	5,4	5,2	5,3	-	Mountain View Seeds	yes	2019-22
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	no	2003-06
Barking	5,1	6,3	5,6	5,2	-	5,4	-	5,3	-	105	Barenbrug	yes	2003-06
Charles	3,5	*	*	*	*	4,1	*	*	*	*	Barenbrug	yes	2015-18

\* Could not be evaluated due to abiotic winter damage

# SCANGREEN, NORTH

## c) Creeping bentgrass (*Agrostis stolonifera*) for greens in Northern Scandinavia

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 2023	Testing period(s)
L-93 XD	6,4	7,5	6,3	5,8	5,5	4,9	5,3	5,4	5,4	-	Barenbrug	yes	2019-22
777 Triple Seven	6,4	7,4	6,3	5,9	5,2	4,8	5,3	5,3	5,3	-	DLF	yes	2019-22
Valderrama	6,3	7,1	5,9	6,0	5,0	4,8	5,3	5,3	5,3	-	Semillas Fito	yes	2019-22
Match Play	6,3	7,2	6,2	5,7	4,9	4,8	5,3	5,3	5,2	-	Landmark Seeds	yes	2019-22
Luminary	6,2	6,9	6,0	5,8	4,9	4,8	5,3	5,3	5,3	67	Landmark Turf & Native Seed	yes	2015-18, 2019-22
Tour Pro	6,2	7,2	6,2	5,8	5,0	4,8	5,3	5,2	5,2	-	Semillas Fito	yes	2019-22
Piranha	6,2	7,2	6,2	5,8	5,1	4,7	5,2	5,3	5,3	-	ICL/Everris	yes	2019-22
Riptide	6,1	7,0	6,0	5,8	4,9	4,8	5,3	5,3	5,3	90	Everris	yes	2015-18, 2019-22
INDEPENDENCE I	6,1	7,1	6,0	6,0	5,0	4,8	5,3	5,3	5,3	100	DLF	yes	2003-06, 07-10, 11-14, 15-18, 19-22
Teeone (TI)	6,1	6,9	6,0	6,0	5,5	4,9	5,3	5,2	5,2	114	Barenbrug	yes	2011-14
Crystal Blue	6,1	7,1	5,9	5,9	5,0	4,8	5,3	5,3	5,3	98	Svensk Jordelit (SE,NO,FI)	yes	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	yes	2015-18
OO7	6,0	7,0	5,9	5,9	4,8	4,9	5,2	5,2	5,2	114	Barenbrug/SW Horto/PGM	yes	2011-14, 2019-22
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
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
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
Pure Select	5,7	6,8	6,0	5,9	4,6	4,6	5,1	5,1	5,1	-	Svensk Jordelit	yes	2019-22
Penntrio	5,7	6,6	5,6	5,9	4,4	4,6	5,1	5,1	5,1	-	Tempo Verde	yes	2019-22
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
Declaration	5,4	6,6	5,9	6,1	5,0	4,3	-	5,4	-	100	Barenbrug	no	2007-10
Pure Distinction	4,2	*	*	*	*	3,2	*	*	*	*	Svensk Jordelit (SE,NO,FI)	yes	2015-18

\* Could not be evaluated due to abiotic winter damage

## SCANGREEN, NORTH

d) Chewings fescue (*Festuca rubra* ssp. *commutata*) for greens in Northern Scandinavia

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 2023	Testing period(s)
Barlineus	6,5	6,5	7,1	6,2	5,0	6,0	6,7	6,5	105	Barenbrug	yes	2011-14, 2019-22
Euro Carina	6,5	6,6	7,1	6,3	5,0	6,2	6,6	6,3	-	DSV	yes	2019-22
Caldris	6,5	6,6	7,2	5,9	5,3	5,8	6,5	6,5	100	DLF	yes	2011-14
Orionette	6,4	6,7	7,0	6,1	5,1	6,2	6,7	6,5	-	DLF	yes	2019-22
Musica	6,4	6,7	7,1	6,2	4,9	6,1	6,7	6,5	100	Barenbrug	yes	2007-10, 2011-14, 2015-18, 2019-22
Gima	6,4	6,5	7,0	6,3	5,1	6,0	6,7	6,4	-	DLF	yes	2019-22
Lykke	6,3	6,4	6,9	6,2	5,0	6,2	6,8	6,5	111	Graminor	yes	2011-14, 2019-22
Torona	6,3	6,4	7,1	6,2	5,0	6,2	6,7	6,4	-	DLF	yes	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
Humboldt	6,3	6,4	7,0	6,9	6,2	6,1	6,5	6,5	91	DLF	yes	2015-18
Lodde	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
Firan	6,2	6,3	7,0	6,2	5,0	6,2	6,7	6,5	-	DLF	no	2019-22
Barchip	6,2	6,5	7,0	7,3	6,2	5,9	6,5	6,5	106	Barenbrug	yes	2015-18
Wagner I	6,2	6,4	7,0	7,3	5,5	5,7	6,4	6,5	104	DLF	yes	2015-18
Lystig	6,1	6,4	6,9	6,2	5,0	6,2	6,7	6,4	95	Graminor	yes	2011-14, 2019-22
Bargreen	6,1	6,0	-	5,4	-	5,8	6,5	-	86	Barenbrug	yes	2003-06
Compass II	6,0	6,1	6,9	6,6	5,0	6,1	6,7	6,4	-	Mountain View Seeds	yes	2019-22
Radar	6,0	6,1	6,7	6,7	5,0	6,0	6,7	6,4	-	Mountain View Seeds	yes	2019-22
Linda	5,8	5,9	7,0	6,1	4,8	5,8	6,5	-	78	Graminor	yes	2007-10
Kalle	5,6	6,1	6,7	6,3	5,3	6,2	6,4	6,2	-	Scandinavian Seeds	yes	2019-22
SW Cygnus	5,3	5,5	-	5,8	-	5,8	6,5	-	86	Lantmännen Ek. För	yes	2003-06

## SCANGREEN, NORTH

e) Slender creeping red fescue (*Festuca rubra* ssp. *litoralis* (*trichophylla*)) for greens in Northern Scandinavia

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 2023	Testing period(s)
Nigella	6,2	6,1	6,9	5,7	5,2	5,3	6,9	6,9	100	DLF	no	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
Sybille	6,0	6,3	7,0	5,5	5,0	5,2	7,0	7,1	-	DLF	no	2019-22
Viktorka	5,9	6,0	7,0	5,6	4,8	5,0	6,9	-	100	Barenbrug	yes	2007-10
Barswilcan	5,8	5,8	6,8	5,4	4,6	5,1	7,0	7,0	-	Barenbrug	yes	2019-22
Charlotte	5,8	5,7	7,0	5,6	4,6	5,1	7,0	7,0	-	DSV	no	2019-22
Beudin	5,8	5,9	7,2	5,3	5,0	5,1	6,9	6,9	102	DLF	yes	2011-14
Coptic	5,8	5,9	6,9	5,5	4,9	5,1	6,9	6,9	-	DLF	no	2019-22
Mirador	5,8	5,9	7,0	5,6	5,0	5,0	7,0	7,0	115	Geminal	yes	2015-18
Absolom	5,7	5,9	7,0	5,2	4,8	5,4	7,0	7,1	-	DLF	yes	2019-22
Zari	5,6	5,9	7,0	5,4	4,4	5,3	7,0	7,1	-	DLF	no	2019-22
Borluna	5,6	6,0	7,0	5,7	5,3	5,2	7,0	7,0	108	Saatzucht Steinach / Geminal	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
SeaMist	5,5	5,9	7,0	5,6	0,4	5,3	7,1	7,1	-	Mountain View Seeds	yes	2019-22
Yoga	5,1	5,6	6,9	5,7	4,9	5,3	7,0	7,0	-	DLF	no	2019-22
Barcrown	5,0	5,6	-	5,6	-	4,7	7,0	-	88	Barenbrug	yes	2003-06

## SCANGREEN, NORTH

f) Perennial ryegrass (*Lolium perenne*) for greens in Northern Scandinavia

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 2023	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*) for greens in Northern Scandinavia

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 2023	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	no	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	no	2007-10, 2015-18

## SEED OWNER / REPRESENTATIVE

Company	Address	Contact person	Telephone	E-mail
Barenbrug Holland BV	Stationsstraat 40, 6515 AB Nijmegen, Netherlands	Olaf Bos	+31 24 348 81 52	obos@barenbrug.nl
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DSV	Weissenburger Strasse 5, D-59557 Lippstadt, Germany	Jerzy Krzyzak	+48 664 920 434	jerzy.krzyzak@dsv-seeds.com
Deutsche Saatveredelung AG		Ole Sams Falkenberg	+45 4045 9704	ole.sams.falkenberg@dsv-froe.dk
Eurogreen	Betzdorfer Str. 25-29, 57520 Rosenheim, Germany	Harald Nonn	+49 2741 281856	Harald.Nonn@eurogreen.de
Everris International	P.O.Box 40, NL-4190 CA Geldermalsen, Netherlands	Simon Taylor	+31 418 655 700	simon.taylor@everris.com
Germinal Seeds	Camp Road, Witham, St. Hughs, Lincoln, LN6 9QJ, UK	Richard Brown	+44 (0) 1522 868714	richard.brown@germinal.com
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
Lantmännen Ek. För	Att: Annika Nilsson, von Troils väg 1, 205-03 Malmö, Sweden	Annika Nilsson	+ 46 (0)10 55 61 581	annika.x.nilsson@lantmannen.com
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PGM	Postboks 390, NO-1411 Kolbotn, Norway	Thomas Nicolaysen	+ 47 95 05 15 76	thomas@pgm.no

DLF Pick Seed	1 Greenfield Rd., ON K9V 4R2, Canada	Leah Brilman	+1 705-878-9240	lbrilman@dlfna.com
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*Sterf*