

# LEGENDARY

*Agrostis canina*

 **DLF**  
**TRIFOLIUM**  
SEEDS & SCIENCE



## LEGENDARY

**For most dense fine putting golf greens, and good adaptation to low input.**

Velvet bentgrass (*Agrostis canina*) produces exceptionally dense turf and has the finest texture of all the bentgrasses. In general it has better disease resistance and drought tolerance than other bentgrass species. Nitrogen requirements for this species are exceptionally low compared to other bentgrass species. Velvet bent has better tolerance to prolonged snow cover.

As it is so dense and tillers so vigourously it may need a regular verticutting programme to control thatch. The colour is a little lighter compared to other bent species.

- Top ranked for turf quality
- Very smooth putting surface
- Vibrant, medium green colour
- Excellent winter colour
- Heat/drought tolerant
- Top ranked for brown patch disease
- Shade tolerant
- Adapted to low maintenance conditions



### Usage

LEGENDARY was bred for golf course greens, but can also be used for bowling greens, golf tees, fairways, croquet lawns and tennis courts.

LEGENDARY can also be used as a component in mixtures for the winter overseeding of warm season greens, when combined with *Poa trivialis*.

LEGENDARY exhibits improved shades and drought tolerance and has a reduced requirement for water, fertiliser and fungicide inputs as compared to traditional creeping bentgrass varieties.

Velvet bentgrass is generally more dollar spot resistant than creeping bentgrass and more brown patch resistant than colonial bentgrass.

LEGENDARY performs best in slightly acidic soils. Acidifying fertilisers containing ammonium sulphate will help improve velvet bentgrass in higher pH soils. The high density of velvet bentgrasses requires frequent light topdressing and verticutting to help limit excessive thatch production.

LEGENDARY was selected for improved resistance to dollar spot, copper spot and brown patch, as well as overall turf quality.

The benefits of using velvet bentgrass include reduced nitrogen, water, and fungicide inputs making it an excellent choice for new or renovated golf course greens.

### TECH FACTS

Growth habit	Stolons
Establishment rate (days)	Medium 14-21
12 mm cut tolerance	Excellent
Mowing frequency	Daily
Traffic tolerance (Brinkman)	Good
Disease resistance	Very good
Nitrogen required	Low/medium
Shade tolerance	Fair
Cold tolerance	Good
Drought tolerance	Good

### High quality

LEGENDARY is a brand new cutting edge velvet bentgrass variety ideal for golf course greens. It is the first of an all new generation of velvet bentgrasses that may change the way Golf Course Architects and Superintendents design and manage golf course greens in the future. LEGENDARY Velvet bentgrass delivers the ultimate putting surface.

Preliminary results from Scandinavian trials confirm these excellent results.



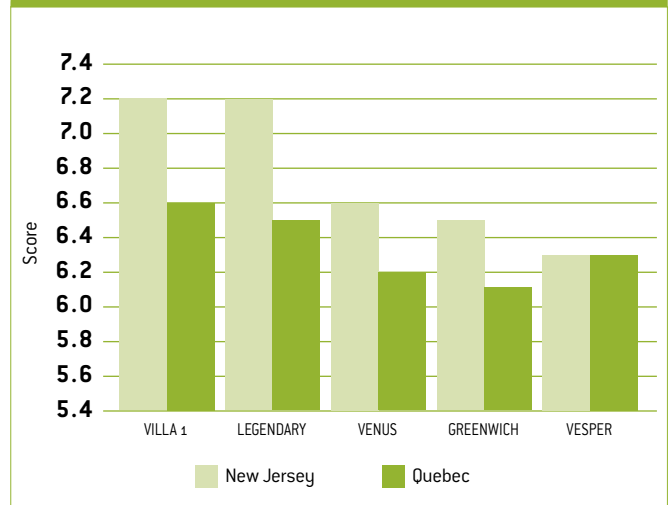
### Appearance

LEGENDARY features a vibrant medium-green color, dense growth habit, and a very smooth consistent putting surface. It ranked #1 for turf quality of velvet bentgrass varieties in the 2004-2007 NTEP greens trial.

LEGENDARY also ranked #2 overall for turfgrass quality under low maintenance programmes, #1 overall for fine leaf texture, seedling vigour, brown patch ratings, and winter colour. It also ranked #1 for fine leaf texture, summer density and spring green up for the velvet bentgrasses.

LEGENDARY is rated #2 velvet bent in the 2004-2007 NTEP Trials on sand and rated #1 on soil greens. In addition LEGENDARY is number one under close mowing, 1/8" (3 mm) or lower.

### NTEP New Jersey results for close mowing (1/8" or lower)



[Source: NTEP 2004 - 2007]

### TRIAL RESULTS (SCANDINAVIA)

VARIETY	VISUAL MERIT OVERALL MEAN	TILLER DENSITY (1-9)	LEAF FINENESS (1-9)	HEIGHT INCREMENT (MM/DAY)
LEGENDARY	3.8	4.9	6.9	0.5
VILLA (C)	4.0	4.8	6.7	0.7
VESPER	3.9	4.9	6.9	0.6

Varieties of velvet (Agrostis canina) - mean of four sites Sown in 2007, first green year results of 2008. Visual merit, 1-9, 9 = highest. [Source: Bioforsk Rapport Vol. 3 Nr. 170 2008]

### TRIAL RESULTS (BINGLEY, UK)

VARIETY	SHOOT DENSITY	VISUAL MERIT	MEAN	DISEASE RESISTANCE RED THREAD
LEGENDARY	7.7	7.3	7.5	6.9
VILLA 1	7.6	7.2	7.4	6.9
AVALON	7.2	6.5	6.8	6.6

Summary of assessments made during 2007 and 2008: Agrostis canina [Source: Breeders report 2009 Bingley]

### TRIAL RESULTS (NTEP, USA)

VARIETY	RATING-SAND	RATING-SOIL	CLOSE MOWING	LOW MAINTENANCE	ANTHRACNOSE RESISTANCE	DOLLAR SPOT RESISTANCE	SNOW MOLD RESISTANCE	MICRODOCHIUM PATCH RES.
LEGENDARY	5.1	5.4	5.5	6.4	7.7	7.4	5.5	8.7
VILLA 1	5.2	5.4	5.6	6.6	6.3	7.7	5.3	9.0
VENUS (EFD)	5.1	5.3	5.5	6.3	7.0	7.4	5.2	9.0
GREENWICH	5.0	5.3	5.4	6.3	6.0	7.4	5.3	8.3
VESPER	4.9	5.0	5.1	6.1	7.0	7.1	5.5	9.0
SR 7200	4.9	4.9	5.0	5.7	7.7	7.6	5.3	8.7

Mean turfgrass quality ratings of creeping bentgrass cultivars grown on a sand green (eleven locations) and a soil green (thirteen locations), and under close mowing to 3-4 mm (thirteen locations) in the USA and Canada, 2004-2007 final data. [Turfgrass quality ratings 1-9, 9 = ideal turf]

### Maintenance of velvet bentgrass (*Agrostis canina*)

Seeding rates (sown as straight on golf green):

New plantings: 100 kg/ha

Overseeding: 50 kg/ha.

Seeding date: Spring or autumn

Fertilisation (pre-sowing and sowing)

Normal seed: pre-plant incorporated: 70 kg N/ha

pre-plant topdressed: 35 kg N/ha

iSeed®: if iSeed® is used no starter fertilization is necessary



Fertilisation (season)

Nitrogen (N): < 80 kg/ha/yr

Phosphorus (P): < 50 kg/ha/yr

Potassium (K): < 250 kg/ha/yr

Micronutrients: depending on soil analysis or plant tissue tests during the year.

Mowing

First mowing at plant heights of 4 - 5 cm

Get to the desired mowing height within seven weeks

Normal 4 - 12 mm, good durability at 4 mm with 3 mm for special tournaments

Irrigation

Irrigate only when necessary

Keep intervals between irrigation cycles as long as possible

Topdressing and verticutting

Frequent verticutting according to seasonal growth, followed by topdressing

DLF-TRIFOLIUM focuses closely on the demands of customers as well as on the market trends of clover and grass seed. Offering one of the world's largest research and breeding programmes for both turf and forage, DLF-TRIFOLIUM is working continually to improve the quality and reliability of all varieties. To meet market expectations, these varieties are tested through a worldwide trialling network for adaptation to different climatic and environmental conditions.

DLF-TRIFOLIUM is the world's largest producer and distributor of grass seed. With subsidiaries in Denmark, Sweden, Holland, Belgium, UK, France, Germany, Czech Republic, Russia, China, New Zealand, South America and United States, an extended distributor and customer network serves the markets worldwide.

