

Duo Bent

Golf greens

Usage

Overseeding golf and bowling greens

Key points

- Charles #1 by 0.5!
- L-93XD next-generation creeping bent
- Independently UK- trialled concept of species combination (DUO)

Species Formulation

50% browntop bentgrass
50% creeping bentgrass



DUO BENT is a 100% bentgrass blend designed for overseeding and species exchange in golf and bowling greens. It is of particular interest to golf courses focussed on outcompeting *Poa annua* at low <3.5mm heights of cut on greens.

Charles is a new NZ-bred variety of *capillaris* browntop, named after Bob Charles, the first left-handed golfer to win a major. Like Bob, it breaks new ground, being ranked #1 in Turfgrass Seed 2020 Table G1 - a clear half-point higher than other browntop or creeping bent cultivars (see Figure 1)! Its scores for visual merit and shoot density promise to have a major impact as part of a species exchange programme, improving golf greens and out-competing the ubiquitous *Poa annua*.

L-93XD is part of the latest generation of *stolonifera* creeping bentgrass from USA breeding programmes. In the 2018 NTEP trials, it was ranked very highly by Mean Quality, achieving "top-25%" status in almost two-thirds of locations. This compares very favourably with other cultivars present in the UK market (*777*; *Pure Select* and *Barracuda (Riptide)*).

Barenbrug recently published results of an extensive four-year trial assessed independently by the STRI, which highlighted the potential benefits of combining creeping and browntop cultivars to outcompete *Poa annua*. A copy of this booklet can be found via www.barenbrug.co.uk.

Figure 3 shows the Mean Score of (BAR) DUO BENT at the conclusion of the trial, compared to other species of bentgrass in isolation. This result was largely due to the fact that greens sown with DUO BENT and ALL BENT contained less than 10% *Poa* at the end of the trial, compared to more than double that for creeping bentgrass cultivars alone.

IN THE BAG

50%	CHARLES Browntop bentgrass
50%	L-93XD Creeping bentgrass

Sowing rate:	8-10g per m ²
Overseeding rate:	4-6g per m ²
Sowing depth:	Rootzone contact
Mowing height:	Down to 2mm
Pack size:	10kg

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Golf greens, bowling greens

CULTIVAR	Shoot Density	Visual Merit	Mean
CHARLES	7.6	7.6	7.6
Arrowtown	7.0	7.2	7.1
Cleek (LA)	6.9	7.1	7.0
Manor	6.9	7.0	6.9
BARKING	6.5	7.0	6.7

Figure 1 Top scoring/ranking browntop bentgrass cultivars in BSPB Turfgrass Seed 2020 Table G1.

CULTIVAR	QUALITY Mean (1)	MAXIMUM In Top 25% (2)
777 (DLFPS-AP/3054)	6.5	23.1
Armor	5.9	7.7
BARRACUDA	6.5	23.1
Declaration	6.1	7.7
DLFPS-AP/3018	6.7	38.5
DLFPS-AP/3056	6.2	15.4
DLFPS-AP/3058	6.8	61.5
DLFPS-AP/3059	6.4	15.4
Kingdom	6.4	23.1
L-93 XD	6.5	61.5
Luminary	6.4	15.4
Nightlife	6.4	23.1
Penn A-1	6.0	0.0
Penncross	4.8	0.0
Piranha (DC-1)	6.8	69.2
Pure Eclipse (PST-ROPS)	6.1	30.8
PURE SELECT	6.3	0.0
Shark	6.2	0.0
Tour Pro (GDE)	6.6	53.8
V-8	6.3	15.4
LSD Value	0.3	
C.V. (%)	10.5	

Figure 2 Summary of Turfgrass Quality Ratings for Bentgrass Cultivars Grown on a Green (2018 Data).

Turfgrass QUALITY Ratings 1-9; 9-Ideal Turf.
 */ To determine statistical differences among entries, subtract one entry's mean from another entry's mean. Statistical differences occur when this value is larger than the corresponding LSD Value (LSD 0.05).
 **/ C.V. (Coefficient of Variation) indicates the perfect variation of the mean in each column.
 (1) Mean – an average of all the Turfgrass quality ratings from all locations.
 (2) Maximum in top 25% – The percentage of locations where that entry finished in the top 25% of all entries.

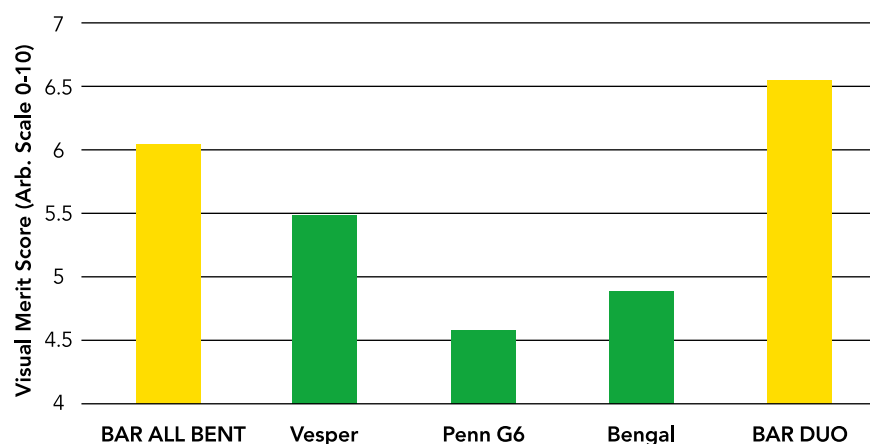


Figure 3 Visual merit mean scores of Agrostis blends and monocultures under standard maintenance inputs