

NTEP Bentgrass Fairway
John Stier and Stephen H Pearson
Department of Horticulture

OBJECTIVE

Evaluate commercial and experimental varieties of bentgrass species for fairway use.

MATERIALS AND METHODS

Twenty-six varieties representing creeping, colonial, and Idaho bentgrass were planted on silt loam soil 3 Sept. 1998. Mowing height is 0.5 inch. Plots receive 2 lb N/1000 ft² annually, delivered at 0.5 lb N rates four times. Plots are irrigated to prevent visual drought stress. Fungicides were not applied at any time this year.

A plot plan is included (figure 1). Each treatment is replicated three times in a randomized complete block design.

RESULTS

Take-all patch and dollar spot uniformly infested the study this year. However, no fungicides were applied. A summary of all the ratings taken this year are shown in table 1.

Table 1. Creeping bentgrass cultivar evaluation under fairway management regime (1/2" mowing height 3X weekly), Verona, WI.

	Spring Greenup	Snow Mold	%Take All Patch	Dollar Spot	Average Quality	Average Density
Variety	<u>03/30/2000</u>	<u>03/30/2000</u>	<u>05/29/2000</u>	<u>07/17/2000</u>	n/a	n/a
Grand Prix	3.5	2.2	21.7	4.7	4.3	5
Princeville	4.0	1.2	18.3	5.3	4.1	4.8
Backspin	3.7	1.7	18.3	4.7	4	4.8
Trueline	3.8	1.3	26.7	6	3.9	4.5
L-93	3.5	1.7	20	7	4.3	4.9
ABT-Col-2	4.2	1.8	28.3	7.7	4.1	4.9
Century	3.8	2.2	30	4.3	3.6	4.4
Imperial	4.2	1.7	23.3	5	4	4.5
Seaside	4.3	1.2	40	7.7	3.2	3.1
Tiger	4.5	2.3	35	8.7	3.8	4.1
ISI At-5	4.8	1.7	26.7	8	4.1	4.7
SRX 7MOBB	4.3	1.7	35	8	3.9	4.4
SRX 7MODD	4.5	1.7	28.3	8	4	4.6
SR 7100	4.7	1.8	30	8	3.8	4.5
Providence	4	2	28.3	5.3	3.8	4.7
SRX 1BPAA	4	1.5	16.7	5.7	4.2	5.2
SRX 1120	4	1.8	28.3	6	4	4.7
SR 1119	3.8	1.7	25	6	4.1	4.8
GolfStar	4	3.2	46.7	8.3	3.1	3.2
PST-9HG	5	1.5	23.3	8	4.5	4.9
PST-9PM	4.3	1.5	28.3	7.7	3.8	4.3
PST-OVN	4	1.5	30	7.7	4.1	4.5
Seaside II	3.3	1.5	28.3	6.7	4	4.6
Penncross	3.8	1.5	31.7	5.7	3.7	4.2
Penn G-6	3.7	1.5	26.7	6.3	4.1	4.6
Penneagle	3.8	1.3	38.3	5.7	3.9	4.3
LSD 0.05	0.7	0.6	12.1	1.1	0.5	0.6

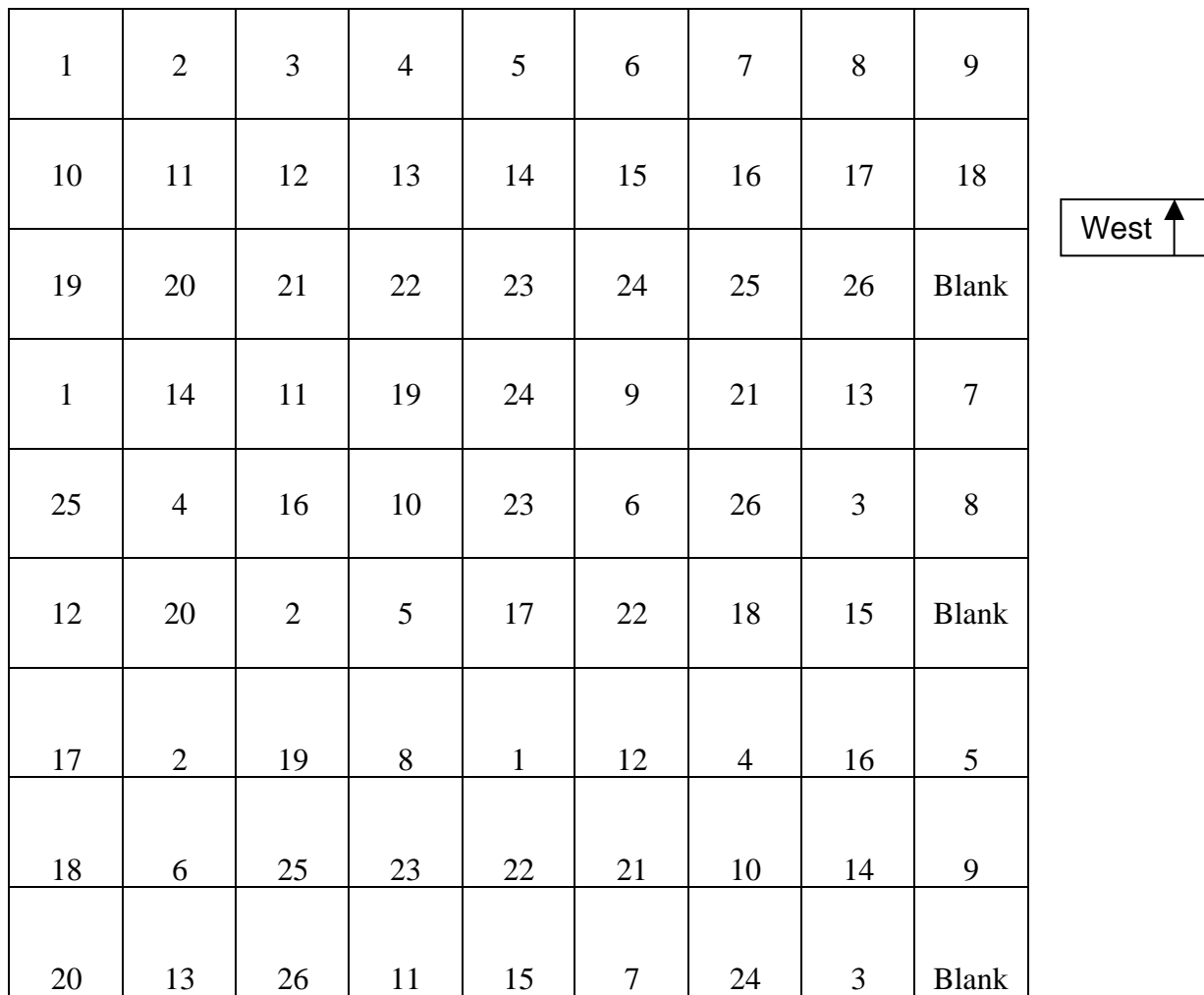


Fig. 1. Plot plan for 1998 bentgrass fairway trial at UW-Madison, WI.