

Top bentgrasses in National Turfgrass Evaluation Program tests

| Name | AZ1 | GA1 | GA2 | IA1 | IL1 | IL2 | KS1 | KY1 | KY2 | MA1 | MI1 | MN1 | MO1 | MS1 | NJ1 | OK1 | PA1 | QE1 | RI1 | SC1 | TX1 | VA1 | WA1 | WA3 | WA4 | Mean '95 Rating | |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|----|
| *Lofts L-93 | 7.2 | 4.4 | 1.2 | 5.8 | 5.4 | 6.8 | 7.1 | 8.3 | 6.1 | 6.2 | 5.7 | 7.5 | 6.0 | 7.4 | 7.0 | 7.8 | 7.5 | 6.8 | 5.2 | 7.2 | 6.5 | 7.2 | 5.9 | 5.6 | 6.4 | 7.7 | 2 |
| *Penn A-1 | 6.8 | 4.1 | 1.0 | 5.3 | 5.1 | 5.7 | 6.5 | 7.3 | 5.8 | 5.6 | 6.3 | 7.6 | 5.0 | 7.0 | 7.2 | 7.6 | 7.2 | 6.1 | 6.8 | 6.9 | 6.0 | 6.8 | 5.7 | 5.8 | 6.1 | 7.3 | 4 |
| *Penn G-2 | 6.5 | 4.1 | 1.2 | 6.7 | 5.3 | 5.7 | 5.7 | 7.4 | 5.7 | 6.1 | 6.2 | 6.8 | 4.9 | 6.7 | 7.0 | 7.3 | 7.1 | 6.9 | 5.8 | 6.6 | 5.4 | 6.9 | 5.7 | 5.6 | 6.0 | 7.7 | 8 |
| *Penn A-4 | 7.7 | 3.9 | 1.1 | 4.8 | 4.9 | 6.3 | 5.9 | 7.8 | 4.4 | 6.2 | 5.8 | 7.6 | 4.4 | 6.3 | 7.2 | 7.1 | 7.4 | 5.6 | 6.1 | 7.0 | 5.8 | 7.4 | 6.0 | 6.1 | 6.0 | 7.9 | 1 |
| *Cato | 7.2 | 4.4 | 1.1 | 6.0 | 5.0 | 5.8 | 6.0 | 7.6 | 5.1 | 5.9 | 5.4 | 7.6 | 4.8 | 6.6 | 6.7 | 7.2 | 7.2 | 6.0 | 5.7 | 7.1 | 5.7 | 6.9 | 5.4 | 5.8 | 6.0 | 7.4 | 6 |
| *Providence | 6.8 | 4.7 | 1.1 | 6.0 | 5.1 | 5.7 | 6.3 | 7.7 | 5.6 | 5.9 | 5.4 | 7.4 | 4.9 | 6.1 | 6.7 | 7.1 | 7.1 | 5.7 | 4.6 | 7.1 | 5.7 | 6.6 | 5.7 | 5.5 | 5.9 | 7.6 | 3 |
| *Penn G-6 | 5.9 | 4.2 | 1.0 | 5.4 | 4.8 | 5.6 | 5.9 | 7.6 | 5.1 | 5.8 | 5.9 | 7.0 | 4.9 | 6.3 | 7.4 | 7.1 | 7.3 | 5.9 | 5.6 | 6.8 | 6.0 | 6.9 | 5.6 | 5.3 | 5.9 | 7.3 | 7 |
| *Southshore | 6.4 | 4.5 | 1.0 | 5.2 | 5.4 | 5.9 | 6.0 | 7.3 | 4.7 | 5.7 | 5.0 | 6.8 | 4.8 | 5.6 | 6.7 | 6.8 | 7.3 | 6.2 | 5.7 | 7.2 | 5.2 | 6.7 | 5.4 | 5.3 | 5.8 | 7.3 | 9 |
| Imperial | 6.3 | 4.0 | 1.0 | 5.9 | 5.0 | 7.0 | 4.7 | 7.0 | 5.0 | 5.7 | 4.8 | 7.0 | 4.8 | 5.3 | 6.0 | 5.8 | 7.3 | 6.0 | 4.8 | 7.0 | 5.2 | 6.1 | 5.5 | 6.0 | 5.6 | 7.6 | 11 |
| Century | 7.0 | 4.0 | 1.2 | 5.5 | 5.3 | 5.7 | 4.3 | 7.1 | 5.2 | 5.6 | 5.1 | 6.3 | 4.7 | 4.8 | 6.3 | 5.8 | 7.2 | 6.3 | 4.8 | 6.8 | 4.6 | 6.7 | 5.6 | 5.9 | 5.6 | 7.5 | 10 |
| *Pennlinks | 5.8 | 4.3 | 1.1 | 5.2 | 5.1 | 6.2 | 6.2 | 7.7 | 5.3 | 5.8 | 4.9 | 7.6 | 4.5 | 5.6 | 5.7 | 6.4 | 6.9 | 5.7 | 5.1 | 6.7 | 5.1 | 5.9 | 4.7 | 4.8 | 5.6 | 6.8 | 14 |
| *Crenshaw | 7.0 | 4.7 | 1.0 | 6.2 | 5.0 | 6.0 | 4.2 | 7.2 | 4.9 | 5.7 | 4.5 | 7.0 | 4.7 | 3.8 | 6.2 | 5.1 | 6.9 | 6.5 | 5.9 | 6.8 | 4.5 | 6.8 | 5.0 | 5.0 | 5.5 | 7.7 | 5 |
| BAR WS 42102 | 5.4 | 3.5 | 1.1 | 5.8 | 5.0 | 4.6 | 5.5 | 7.6 | 5.4 | 5.8 | 5.6 | 7.0 | 5.0 | 5.3 | 6.0 | 6.6 | 7.1 | 6.3 | 3.3 | 6.6 | 5.0 | 7.0 | 4.8 | 5.0 | 5.5 | 7.4 | 16 |
| *SR 1020 | 6.8 | 4.1 | 1.1 | 6.1 | 5.0 | 4.5 | 4.5 | 7.2 | 5.0 | 5.8 | 5.2 | 6.9 | 4.7 | 4.7 | 6.3 | 5.8 | 6.6 | 5.7 | 5.0 | 6.8 | 4.6 | 6.7 | 5.2 | 5.6 | 5.5 | 7.4 | 13 |
| DG-P | 5.6 | 4.2 | 1.1 | 5.3 | 5.0 | 6.8 | 5.6 | 7.3 | 5.3 | 5.5 | 4.6 | 7.4 | 4.8 | 5.0 | 6.0 | 6.2 | 6.9 | 5.1 | 3.5 | 6.9 | 4.9 | 6.4 | 5.1 | N/A | 5.5 | 7.0 | 22 |
| LSD | 0.6 | 0.7 | 0.3 | 1.0 | 0.7 | 1.9 | 0.6 | 0.5 | 0.5 | 0.6 | 0.9 | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 | 0.7 | 0.8 | 0.6 | 0.6 | 0.6 | 0.7 | 0.5 | 0.6 | 0.1 | 0.5 | |

* Available on the market in 1996.
 The following are conditions at the sites of the bentgrass national tests, including, in order, location, soil texture, soil pH, nitrogen applied (in pounds per 1,000 square feet) and mowing height (in inches). All sites were irrigated only to prevent stress, except GA2, which was watered only during severe stress:
 AZ1 — Tucson, Ariz., sand, 7.6-8.5, 5.1-6.0, 0-5.
 GA1 — Griffin, Ga. (high soil pH), sandy clay loam, 5.6-6.0, 3.1-4.0, 0.6-1.0.
 GA2 — Griffin, Ga. (low soil pH), sandy clay loam, 5.6-6.0, 3.1-4.0, 0.6-1.0, only during severe stress.
 IA1 — Ames, Iowa, silty clay loam, 7.1-7.5, 3.1-4.0, 0-5.
 IL1 — Urbana, Ill., silt loam and silt, N/A, 3.1-4.0, 0-5.
 IL2 — Carbondale, Ill., silty clay loam, 6.1-6.5, 4.1-5.0, 0-5.
 KS1 — Manhattan, Kan., sand, 7.6-8.5, 3.1-4.0, 0-5.
 KY1 — Lexington, Ky., sand, 7.1-7.5, 4.1-5.0, 0-5.
 KY2 — Lexington (Griffin Gate GC), sand, 7.1-7.5, 4.1-5.0, 0-5.
 MA1 — Amherst, Mass., loam, 6.1-6.5, 4.1-5.0, 0-5.
 MI1 — East Lansing, Mich., sand, 7.1-7.5, N/A, 0-5.

MN1 — St. Paul, Minn., silty clay loam, 7.6-8.5, 5.1-6.0, 0-5.
 MO1 — Columbia (traffic), Mo., sand, 6.6-7.0, 5.1-6.0, 0-5.
 MO2 — Columbia, Mo., (no traffic), silt loam and silt, 6.1-6.5, 1.1-2.0, 0.1562.
 NJ1 — North Brunswick, N.J., sandy loam, 5.6-6.0, 4.1-5.0, 0-5.
 OK1 — Stillwater, Okla., sand, 6.6-7.10, 8.1+, 0-5.
 PA1 — University Park, Pa., loamy sand, 6.1-6.5, 2.1-3.0, 0-5.
 QE1 — Quebec, N/A.
 RI1 — Kingston, silt loam and silt, 6.6-7.0, 4.1-5.0, 0-5.
 SC1 — Florence, S.C., sandy loam, 6.1-6.5, 4.1-5.0, 0-5.
 TX1 — Dallas, Texas, loamy sand, 6.1-6.5, 7.1-8.0, 0-5.
 VA1 — Blacksburg, Va., sand, 5.6-6.0, 5.1-6.0, 0-5.
 WA1 — Pullman, Wash., silt loam and silt, 5.6-6.0, 5.1-6.0, 0-5.
 WA3 — Puyallup, Wash., (native soil), sandy loam, 5.6-6.0, 5.1-6.0, 0-5.
 WA4 — Puyallup, sand, 6.1-6.5, 7.1-8.0, 0-5.

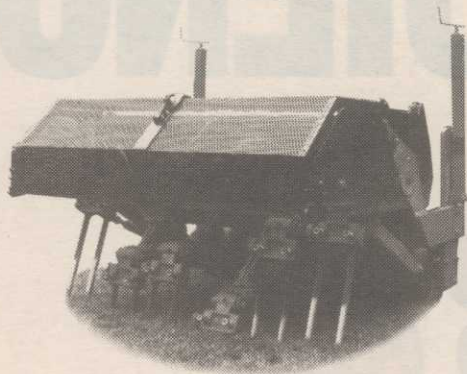
Strides continue in bent breeding

By MARK LESLIE

BELTSVILLE, Md. — Despite its minute sales in the overall turfgrass picture, bentgrass continues to be the trigger on the gun for seed company and university researchers hoping to make their name premiere among golf courses. "Only 1 million pounds [of seed] is sold worldwide annually, but having bentgrass expands your entire produce line," said Kevin Morris, national director of the National Turfgrass Evaluation Program headquartered here. "You have a product to deliver quality and don't have to de-

pend on someone else. That helps your marketing staff." To that end, major bentgrass research efforts are unabated as seed companies and universities work to produce the finest putting surfaces. This year's NTEP results show a juxtapositioning in the top bentgrass cultivars from the previous year's test. "Normally, you don't see a lot of flip-flopping [in the rankings] with bentgrasses," Morris said. "Bents can flip-flop over time if some disease comes along

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