

Top 40 Kentucky bluegrasses in national test results

Name	BC1	CA3	DC1	IA1	ID2	IL1	IL2	IN1	KS2	KY1	MD1	MI1	MO1	NE1	NE3	NJ1	NJ2	OR1	RI1	SD1	UB1	VA1	WA1	WA4	MEAN
*Blacksburg	7.0	5.7	1.4	6.1	7.7	6.4	7.7	6.1	7.3	7.0	6.1	4.9	4.9	8.1	5.8	7.7	7.0	7.3	7.0	7.9	6.7	5.9	6.0	6.5	
*Midnight	5.8	6.2	1.7	5.2	8.3	6.3	6.5	7.2	8.3	6.5	6.5	6.6	5.2	6.3	5.7	7.9	6.8	7.1	6.9	7.2	7.8	6.2	5.6	4.3	6.3
*Asset	6.1	5.8	3.9	5.8	7.7	6.8	6.0	6.8	8.0	7.3	4.5	6.0	5.2	5.2	5.3	6.7	6.4	6.8	7.4	7.1	6.9	5.6	5.1	7.3	6.2
*Princeton 104	7.0	5.5	1.7	5.9	7.0	6.9	6.4	6.0	8.0	6.4	6.6	7.4	4.6	4.6	5.4	7.2	7.4	6.8	7.9	6.2	7.7	6.6	6.2	4.0	6.2
*Eclipse	5.4	5.5	1.7	5.8	7.3	6.3	6.6	7.0	7.3	6.8	6.2	6.3	5.0	5.3	5.5	6.7	6.8	7.1	7.8	7.2	7.5	6.2	5.9	5.3	6.2
*Wabash	4.5	5.3	4.4	7.1	7.3	7.1	7.1	6.8	6.0	7.3	6.1	5.5	6.0	6.8	6.2	4.4	5.0	5.0	6.9	7.2	6.7	5.6	5.6	6.7	6.1
*America	4.4	5.7	2.6	5.6	7.0	6.4	6.4	6.8	7.3	7.1	5.4	5.1	5.6	5.8	5.2	5.9	5.6	6.5	7.2	7.4	7.7	6.1	5.8	8.0	6.1
*Julia	5.7	5.7	4.1	6.1	7.7	6.3	6.7	6.8	8.0	6.4	5.0	4.3	6.1	6.0	5.3	5.8	5.6	6.3	7.0	6.9	6.9	5.5	5.4	6.7	6.1
*Chateau	6.8	5.8	2.3	5.1	7.3	6.4	6.6	6.6	8.3	6.0	5.0	4.7	6.6	6.8	5.8	5.5	5.8	5.2	6.8	6.4	6.3	6.0	5.8	8.0	6.1
*Lofts 1757	6.3	6.0	2.5	6.1	7.7	6.7	6.5	6.4	7.3	6.2	5.7	6.0	5.1	4.7	4.8	6.4	6.4	6.6	6.9	6.4	7.6	6.3	5.3	5.7	6.1
*A-34	6.7	5.6	4.3	6.6	7.7	6.6	6.0	6.2	6.7	6.7	6.2	4.0	6.3	7.0	5.8	4.8	4.2	5.8	7.9	5.5	6.5	6.0	5.4	6.7	6.0
*Able I	5.4	5.7	1.5	6.1	8.3	6.9	6.7	6.8	7.3	6.6	5.3	5.4	4.8	4.7	5.2	6.7	5.3	6.5	7.7	6.8	7.5	5.6	4.8	7.0	6.0
*Somerset	5.8	5.7	2.0	6.5	7.0	6.7	6.6	6.9	6.7	6.5	5.7	6.2	6.3	5.1	5.5	5.9	4.9	5.7	7.3	6.8	6.7	5.9	4.9	7.3	6.0
*Mystic	5.3	5.5	1.9	6.3	7.3	7.3	5.7	7.1	6.7	7.0	5.5	5.8	5.0	7.0	5.8	5.5	5.0	4.8	7.7	7.4	7.2	5.2	5.1	6.7	6.0
*Aspen	5.3	6.1	2.1	4.9	7.3	7.6	6.8	6.9	7.3	6.8	5.5	5.9	5.4	3.7	5.3	6.6	5.2	5.7	7.2	7.3	7.3	6.2	5.2	5.7	6.0
BA 73-540	6.2	5.8	2.8	5.5	7.0	6.2	6.9	5.2	8.7	6.3	5.4	4.7	5.9	5.6	6.1	5.6	5.2	5.8	7.1	6.6	7.1	5.4	5.9	5.0	5.9
*Freedom 1872	n/a	5.5	n/a	6.1	7.0	6.7	6.3	5.4	6.7	6.5	6.2	5.1	6.3	4.1	4.8	4.7	4.6	5.3	6.6	6.8	6.3	5.7	5.8	7.0	5.9
*Challenger	5.9	5.9	1.6	4.7	7.3	7.2	6.1	6.7	8.0	6.3	4.9	6.2	5.1	5.2	5.1	6.4	4.8	6.1	6.6	6.8	6.0	5.6	5.9	7.0	5.9
*Coventry	6.7	5.9	2.4	5.2	8.0	6.2	6.9	4.9	8.3	6.4	4.9	5.1	6.4	5.0	5.7	5.3	4.3	5.2	7.1	6.4	6.4	6.1	5.3	6.7	5.9
*Ram-1	6.0	6.0	1.9	5.8	8.7	5.6	6.2	5.5	8.0	6.3	5.3	5.2	5.1	5.6	5.3	6.3	6.0	5.1	6.0	7.3	7.0	5.5	5.1	6.3	5.9
*Glade	6.3	6.0	2.5	5.8	7.3	5.7	6.3	6.3	7.0	6.8	5.3	5.0	5.8	6.3	6.1	6.6	5.7	4.6	6.7	6.9	6.9	5.8	5.0	4.0	5.9
NE 80-88	n/a	5.7	n/a	6.1	6.0	7.2	6.4	6.6	7.0	6.8	4.9	5.4	4.9	4.9	6.2	5.2	4.1	5.6	6.3	7.0	6.5	5.1	5.6	N/A	5.9
*Dawn	n/a	5.9	3.4	5.1	7.3	6.8	6.5	6.2	7.7	6.2	5.5	5.4	5.1	4.7	4.8	5.7	4.2	6.1	5.9	7.0	7.1	5.8	5.4	6.7	5.9
*Cheri	6.8	5.9	1.5	4.9	7.3	6.3	6.5	5.4	7.7	6.3	5.0	5.1	5.4	5.2	5.3	5.3	5.0	5.4	7.4	6.2	6.7	6.1	5.8	8.0	5.9
BA 69-82	6.0	5.9	3.1	5.2	7.7	6.8	6.7	6.3	7.7	6.3	5.1	4.5	6.2	4.8	5.3	5.2	4.8	5.4	7.0	6.9	6.1	5.7	5.6	6.3	5.9
*Haga	5.5	5.8	4.2	5.5	7.3	6.8	6.3	6.6	6.7	6.3	5.9	4.8	5.6	4.1	4.9	5.1	4.9	5.6	6.7	7.0	6.3	6.0	5.4	6.7	5.8
Bar VB 534	5.3	5.7	2.6	5.9	7.3	6.3	6.1	6.3	7.0	6.4	6.1	4.2	5.2	5.1	6.3	5.5	5.9	5.0	7.2	7.4	6.3	5.7	4.2	7.0	5.8
*Sydspart	6.7	5.8	2.8	5.3	7.3	6.2	5.9	5.2	7.0	6.0	4.6	5.1	5.4	6.3	5.3	5.5	6.0	5.4	6.8	6.7	6.5	5.7	6.2	6.0	5.8
*Bristol	5.3	6.0	2.2	5.1	7.3	6.2	6.5	6.4	7.3	6.4	5.9	5.2	5.3	4.7	5.0	5.8	5.1	6.6	6.4	7.0	6.5	5.8	5.2	5.7	5.8
*Monopoly	5.4	5.7	4.4	6.5	6.3	6.9	7.1	6.7	7.3	6.6	5.6	5.4	5.2	4.4	4.3	4.5	4.6	4.9	7.1	6.4	5.7	6.4	5.0	6.0	5.8
*Aquila	5.5	5.9	1.8	5.7	7.3	6.3	6.6	6.6	7.7	6.8	6.0	5.4	5.2	5.6	5.3	5.3	4.6	5.1	6.6	6.4	6.9	5.4	5.0	5.3	5.8
*Classic	5.7	5.8	2.4	5.9	7.7	6.7	6.4	6.3	6.3	6.3	5.1	5.1	5.9	4.2	4.8	5.1	4.2	5.7	6.6	7.1	5.8	5.8	5.4	6.7	5.7
*Conni	n/a	5.8	1.6	5.5	7.3	5.7	5.9	5.9	8.0	6.0	5.4	4.7	3.0	5.3	6.1	6.0	3.4	5.9	7.9	6.9	7.6	5.3	4.9	7.3	5.7
*Georgetown	5.6	5.5	3.4	6.9	6.7	7.2	6.3	6.2	7.0	6.5	5.5	4.4	5.2	3.8	5.3	5.1	4.8	5.0	7.0	6.9	5.9	5.7	5.6	5.7	5.7
*Ikone	5.5	5.8	3.1	6.2	8.0	6.1	6.5	5.8	8.3	6.2	5.3	4.8	5.3	5.2	5.1	5.5	5.1	5.5	6.4	6.7	6.0	5.1	5.1	4.3	5.7
Welcome	7.2	5.8	1.7	5.1	7.0	6.1	6.2	6.7	8.0	6.2	4.3	5.1	4.0	5.4	5.5	5.3	5.2	5.3	6.3	7.5	6.5	5.9	4.7	6.0	5.7
*Kelly	5.7	5.8	2.9	5.8	7.7	5.9	6.4	5.8	7.7	6.2	5.7	5.4	5.2	4.2	4.9	6.1	4.7	5.4	6.7	6.1	6.0	6.0	5.2	5.3	5.7
*Trenton	5.8	5.7	2.6	5.9	6.7	7.1	6.2	6.8	6.3	6.3	5.5	5.1	6.0	4.3	5.4	5.1	4.3	5.4	7.0	6.3	6.3	5.6	5.7	5.3	5.7
*Cynthia	5.7	5.6	2.1	5.9	7.7	7.3	6.4	6.8	6.0	6.3	5.9	4.3	4.7	3.8	5.3	5.6	5.8	4.8	7.4	7.0	7.5	4.9	4.2	6.0	5.7
*Estate	6.5	5.8	2.0	5.4	7.0	5.9	6.9	6.2	7.7	6.1	4.5	3.9	5.6	5.9	6.0	5.7	5.0	5.8	7.3	6.7	6.1	5.3	5.3	4.0	5.7

* — Brands that are available on the marketplace. Locations submitting data for the National Kentucky Bluegrass Test follow, with their code names; type of soil; nitrogen in pounds per square foot; mowing height

in inches; and irrigation practices: BC1: Agassiz, British Columbia; loam; 2.1-3.0; 1.1-1.5; to prevent dormancy. CA3: Riverside; sandy loam; 5.1-6.0; 1.6-2.0; to prevent

stress. DC1: Washington Monument grounds; loam; 1.1-2.0; 2.1-2.5; no irrigation. IA1: Ames; sandy clay loam; 3.1-4.0; 1.6-2.0; no irrigation. ID2: Post Falls; sandy loam; 2.1-3.0; 1.1-1.5; to prevent stress. IL1: Carbondale (high maintenance); silty clay and clay; 4.1-5.0; 1.1-1.5; to prevent stress. IL2: Carbondale (low maintenance); silty clay and clay; 0.0-1.0; 2.1-2.5; no irrigation. IN1: West Lafayette; silt loam and silt; 3.1-4.0; 2.1-2.5; to prevent stress. KS2: Wichita; sandy loam; 3.1-4.0; 2.6-3.0; to prevent stress. KY1: Lexington; silt loam and silt; 2.1-3.0; 1.6-2.0; no irrigation. MD1: Silver Spring; sandy loam; 3.1-4.0; 2.1-2.5; to prevent dormancy. MI1: East Lansing; sandy loam; 2.1-3.0; 1.6-2.0; to prevent stress. MO1: Columbia; silty clay loam; 2.1-3.0; 2.1-2.5; to prevent stress. NE1: Lincoln; silty clay loam; 3.1-4.0; 0.6-1.0; to pre-

vent stress. NE3: Mead; silty clay loam; 3.1-4.0; 0.6-1.0; to prevent stress. NJ1: Adelphia; sandy loam; 4.1-5.0; 1.6-2.0; to prevent dormancy. NJ2: Adelphia; sandy loam; 4.1-5.0; 1.6-2.0; to prevent dormancy. OH1: Columbus; silty clay loam; 2.1-3.0; 1.1-1.5; to prevent stress. OR1: Hubbard; silt loam and silt; 4.1-5.0; 1.1-1.5; to prevent dormancy. RI1: Kingston; silt loam and silt; 3.1-4.0; 1.1-1.5; to prevent stress. SD1: Brookings; silty clay loam; N/A; 2.1-2.5; to prevent stress. UB1: Beltsville, Md.; silt loam and silt; 2.1-3.0; 1.1-1.5; to prevent dormancy. VA1: Blacksburg; silt loam and silt; 3.1-4.0; 1.6-2.0; to prevent dormancy. WA1: Pullman; silt loam and silt; 2.1-3.0; 1.6-2.0; to prevent stress. WA4: Ritzville (dense shade); silt loam and silt; 0.0-1.0; 2.1-2.5; only during severe stress.

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National bluegrass tests confirm earlier findings

By Mark Leslie

Fifth-year results of the National Kentucky Bluegrass Test are complete and, in most cases, confirm the position of the better cultivars, according to the head of the project.

Kevin Morris, national director of the National Turfgrass Evaluation Program, said, "Generally, after three to five years, if a variety still looks good, it is."

Morris said superintendents investigating the varieties should first look at those that performed well in locations near them. The 72 bluegrass varieties were tested at 24 sites around the United States and in British Columbia.

"Look at the locations. Look at how they are managed at those locations. Then look at the mean (test results) of all sites because it gives you an idea how they perform in different management situations," he said. "At a lot of the test locations, they are not mowing as close as on a fairway.

"Supers will be looking at which is the best grass for certain diseases."

Morris said bluegrass performance from one location to the other is "much more variable than with ryegrasses and tall fescues."

He said the trend is to blend different

varieties of bluegrasses to avoid losing an entire area to a disease.

"With bluegrasses, you're dealing with apomictic varieties. (That is, within a variety about 95 percent of the plants are genetically identical). So if you have a very narrow base genetically, it is possible a disease could come along and wipe it out. Therefore, the trend is to blend several varieties of bluegrasses to negate that problem," Morris explained.

When choosing varieties to blend, a superintendent should try to match genetic color, leaf density, and other factors, he said.

Available from Morris' office at the U.S. Department of Agriculture's Agricultural Research Center in Beltsville, Md., the 30-page report also includes results of testing for spring greenup, genetic color, leaf texture, wear tolerance, spring and summer density, spring and summer living ground cover, and resistance to leafspot, red thread, stripe smut and crown rust.

Morris said an LSD (Least Significant Difference) value of .05 was used in the accompanying results. For instance, a variety rated at 6.7 might not be better than others rated as low as 6.2.