

STOP: 4

### Kentucky Bluegrass Cultivar Evaluation

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Several excellent Kentucky bluegrass cultivars are now available for use where high management lawns are desired. This species performs best on well drained but moist soils with a pH just below neutral (6.0-7.0) and on unshaded sites. High nitrogen feeding is required for optimum performance.

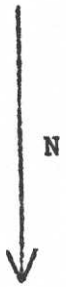
A test of 54 cultivars and experimental strains was established in September, 1975. This test was also seeded at the MSU Muck Farm on organic soil. The plots are 5' x 7' and are replicated three times. The soil type is Conover Silt Loam at the Crops Field Laboratory plots.

A split application of nitrogen has been applied to the varieties with 1/2 of each plot receiving an annual rate of 2-1/2 lbs and the other half 5 lbs of N.

Accumulated data may be found in the following tables, and charts are attached which may be used to identify cultivars in second and third replications.

1975  
KENTUCKY BLUEGRASS VARIETY EVALUATION  
Area F-4

81 A-20-6	80 CHERI	79 PARK	78 A-20	77 MERION	76 NUGGET	75 A-34	74 PLUSH	73 NEWPORT	9
72 FYLKING	71 DELTA	70 BONNIE BLUE	69 ADELPHI	68 GLADE	67 SYDSPORT	66 BARON	65 TOUCH DOWN	64 MAJESTIC	8
63 OLYMPIASP	62 GARDI	61 ORNA	60 MOZA	59 TIVOLI	58 BIRKA	57 DELFT	56 KIMONO	55 GALAXY	7
54 A-20	53 A-34	52 CHERI	51 A-20-6	50 PLUSH	49 MERION	48 FYLKING	47 PARK	46 BARON	6
45 NEWPORT	44 DELTA	43 TOUCH DOWN	42 SYDSPORT	41 NUGGET	40 ADELPHI	39 GLADE	38 BONNIE BLUE	37 MAJESTIC	5
36 OLYMPIASP	35 TIVOLI	34 KIMONO	33 BIRKA	32 GALAXY	31 GARDI	30 MOZA	29 DELFT	28 ORNA	4
27 A-34	26 A-20-6	25 A-20	24 PLUSH	23 CHERI	22 MERION	21 NEWPORT	20 PARK	19 NUGGET	3
18 FYLKING	17 ADELPHI	16 BARON	15 DELTA	14 GLADE	13 TOUCH DOWN	12 BONNIE BLUE	11 SYDSPORT	10 BIRKA	2
9 MAJESTIC	8 ORNA	7 DELFT	6 OLYMPIASP	5 MOZA	4 KIMONO	3 GARDI	2 TIVOLI	1 GALAXY	1
9	8	7	6	5	4	3	2	1	



Location: Crops Lab turfgrass experiment area. Soil type - Conover silt loam.

Procedure: Methyl dibromide fumigation prior to seeding. Seeded September 10, 1975. Plots 5'0" x 7'0". Randomized block - 3 replications.

1975  
 KENTUCKY BLUEGRASS VARIETY EVALUATION  
 Area G-4

81 WW Ag 452	80 P-56	79 EVB 1916	78 WW Ag 436	77 EVB 1942	76 EVB 1146	75 WW Ag 463	74 WW Ag 401	73 EVB 1939	9
72 EVB 532	71 EVB 2481	70 EVB 5585	69 EVB 3965	68 EVB 2453	67 ENKOPPER EVB 307	66 EVB 3702	65 EVB 2461	64 N-1214	8
63 VANTAGE	62 WINDSOR	61 BRUNSWICK P-57	60 CAMPINA	59 PENN STAR	58 ENKOSA EVB 216	57 MERION	56 VICTA	55 BRISTOL	7
54 WW Ag 436	53 WW Ag 463	52 P-56	51 WW Ag 452	50 WW Ag 401	49 EVB 1942	48 EVB 532	47 EVB <del>1916</del> 1916	46 EVB 3702	6
45 EVB 1939	44 EVB 2481	43 EVB 2461	42 ENKOPPER EVB 307	41 EVB 1146	40 EVB 3965	39 EVB 2453	38 EVB 5585	37 N-1214	5
36 VANTAGE	35 PENN STAR	34 VICTA	33 ENKOSA EVB 216	32 BRISTOL	31 WINDSOR	30 CAMPINA	29 MERION	28 BRUNSWICK P-57	4
27 WW Ag 463	26 WW Ag 452	25 WW Ag 436	24 WW Ag 401	23 P-56	22 EVB 1942	21 EVB 1939	20 EVB 1916	19 EVB 1146	3
18 EVB 532	17 EVB 3965	16 EVB 3702	15 EVB 2481	14 EVB 2453	13 EVB 2461	12 EVB 5585	11 ENKOPPER EVB 307	10 ENKOSA EVB 216	2
9 N-1214	8 BRUNSWICK (P-57)	7 MERION	6 VANTAGE	5 CAMPINA	4 VICTA	3 WINDSOR	2 PENN STAR	1 BRISTOL	1
9	8	7	6	5	4	3	2	1	



Location: Crops Lab turfgrass experimental area. Soil type - Conover silt loam.

Procedure: Methyl dibromide fumigation prior to seeding. Seeded September 15, 1975  
 Plots 5'0" x 6'3½". Randomized block - 3 replications.

KENTUCKY BLUEGRASS VARIETY TEST  
 Michigan State University  
 East Lansing, Michigan  
 Established 1975  
 Area F-4

Variety	Establishment Vigor (3)*	Color 10/5/76 (3)	Leafspot Rating 5/21/76 (3)	Appearance	
				1976 (15)	1977 (3)
Birka	5.7	2.3	3.0	2.1	2.3
Fylking	5.0	2.0	6.0	2.3	2.7
Nugget	4.3	3.7	2.0	2.4	1.3
Galaxy	2.7	2.7	6.3	2.6	4.0
Gardi	4.3	4.0	5.3	2.5	3.3
Majestic	5.0	1.3	6.7	2.5	1.3
Bonnieblue	5.7	1.3	3.3	2.5	3.0
Touchdown	7.0	2.7	2.7	2.5	2.7
Komono	4.3	3.3	3.3	2.7	2.0
Tivoli	3.0	3.7	5.7	2.7	3.3
A-20-6	5.3	4.0	6.3	2.9	4.0
Cheri	6.3	4.0	6.3	3.1	2.0
Mosa	3.3	2.7	7.7	3.2	2.7
Adelphi	2.7	3.7	7.0	3.3	4.0
Sydsport	5.7	4.3	6.0	3.4	2.0
Baron	7.3	4.3	4.7	3.7	3.7
Orna	4.7	4.0	7.0	3.7	6.0
Plush	6.0	3.3	7.3	3.9	2.3
Glade	1.3	1.7	9.0	4.1	2.3
A-34	6.3	5.0	6.7	4.2	3.7
Delft	2.0	3.0	8.7	4.3	5.7
A-20	8.0	4.7	3.0	4.4	2.0
Delta	1.3	5.7	8.7	4.4	5.7
Merion	5.0	6.3	4.3	4.8	4.3
Olymprisp	4.3	2.7	8.3	5.2	4.0
Newport	1.0	5.7	9.0	7.0	5.3
Park	1.0	6.7	9.0	7.4	6.8

Plots seeded 9/10/75, Conover silt loam, 5' x 7' - 3 replications.

\* ( ) = Number of observations in average.

\*\* 1 = Best 9 = Poorest

KENTUCKY BLUEGRASS VARIETY TEST  
 Michigan State University  
 East Lansing, Michigan  
 Established 1975  
 Area G-4

Variety	Establishment Vigor (3)*	Color 10/5/76 (3)	Leafspot Rating 5/21/76 (3)	Appearance	
				1976 (12)	1977 (3)
P-56	6.7**	1.0	3.0	1.1	3.0
EVB 3965	5.3	2.3	6.3	1.4	4.0
EVB 2461	2.7	2.0	6.0	1.5	5.0
Pennstar	7.3	1.7	2.3	1.8	4.3
EVB 2481	3.3	3.0	6.0	1.9	5.0
EVB 1942	4.3	3.0	6.7	1.9	4.3
Entopper (EVB 307)	2.0	2.3	8.0	2.0	5.0
N-1214	2.3	4.0	5.7	2.0	2.7
EVB 2453	4.7	2.3	7.3	2.1	5.0
EVB 5585	3.7	3.3	6.3	2.2	6.0
EVB 1916	2.7	3.0	7.3	2.4	6.0
Bristol	5.3	2.3	3.7	2.5	3.7
EVB 532	3.3	3.3	7.3	2.9	7.3
Campina	5.7	3.0	8.0	3.2	7.3
Merion	7.3	4.3	3.3	3.2	4.7
Victa	2.3	3.3	8.0	3.3	5.0
EVB 3702	1.7	3.3	7.7	3.3	5.7
EVB 1939	3.7	3.3	7.3	3.4	5.3
WW Ag 452	3.0	4.0	7.0	3.4	4.3
WW Ag 401	4.3	2.7	7.7	3.5	5.0
Brunswick (P-57)	6.0	4.0	7.7	3.7	3.7
Entensa (EVB 216)	1.7	4.0	9.0	4.0	7.7
EVB 1146	7.3	5.3	3.3	4.2	4.3
WW Ag 463	2.3	4.3	7.7	4.4	5.7
Windsor	8.0	4.3	2.3	4.6	5.0
WW Ag 436	2.7	4.0	7.7	4.8	6.0
Vantage	5.0	5.3	8.3	4.9	5.3

Plots seeded 9/15/75, Conover silt loam, 5'0" x 6'3" - 3 replications.

\* ( ) = Number of observations in average.

\*\* 1 = Best 9 = Poorest

KENTUCKY BLUEGRASS VARIETY TEST - ORGANIC SOIL  
 Michigan State University Muck Farm  
 Established 1975  
 South Test

Variety	Establishment Vigor (3)*	Color 1976 (3)	Leafspot Rating 1977***	Appearance	
				1976 (6)	1977 (3)
P-66	5.0**	1.0		1.5	1.3
Brunswick (P-57)	6.7	3.7		1.7	2.0
Bristol	5.0	1.7		1.8	1.7
P-141	6.3	3.7		2.1	1.7
Merion	7.0	3.0		2.1	5.3
KI-155	6.0	2.3		2.5	2.3
P-56	6.7	1.0		2.5	2.3
Ram I	2.7	1.3	3.0	2.6	3.7
Victa	3.0	2.0		2.7	3.0
EVB 5585	4.0	4.0		2.8	2.3
EVB 3702	3.0	4.3		3.0	1.7
EVB 2461	3.7	3.3		3.0	2.7
EVB 2453	4.0	2.3		3.0	4.0
N-1214	4.7	3.0		3.0	3.3
Entopper (EVB 307)	3.3	3.7		3.2	3.3
Campina	4.7	3.0	5.7	3.3	5.7
Pennstar	7.0	2.3		3.3	3.3
Parade	4.7	3.0		3.5	2.7
Aquila	3.7	2.7	2.0	3.7	4.0
EVB 2481	3.3	2.7		4.0	1.7
WW Ag 436	4.3	4.3		4.0	3.7
RI 143	6.0	2.0		4.0	1.7
Windsor	8.0	2.7		4.0	2.7
WW Ag 452	4.0	3.3		4.3	3.0
Entensa (EVB 216)	3.3	5.0		4.3	2.0
Vantage	5.0	3.3		4.5	3.3
WW Ag 401	6.0	3.0	3.7	4.6	6.7

\* ( ) = Number of observations in average.

\*\* 1 = Best 9 = Poorest

\*\*\* 1 = Least, 9 = Most infection. All 1 except as noted.

KENTUCKY BLUEGRASS VARIETY TEST - ORGANIC SOIL  
 Michigan State University Muck Farm  
 Established 1975  
 North Test

Variety	Establishment Vigor (3)*	Color 1976 (3)	Leafspot Rating 1977***	Appearance	
				1976 (6)	1977 (3)
Sydsport	5.7**	2.3		1.5	4.7
Plush	6.0	2.3		1.5	4.0
Majestic	6.3	1.0		1.6	1.3
Adelphi	8.0	1.7		2.0	2.7
Galaxy	4.0	2.3		2.0	2.0
Merion	6.0	2.3		2.1	6.0
Glade	3.0	2.0	4.0	2.3	4.7
Cheri	6.0	1.3		2.3	3.7
Nugget	6.0	3.0		2.5	6.0
Birka	5.0	3.3		2.6	3.0
A-20-6	8.0	2.0		2.7	4.0
Touchdown	5.3	3.3		2.8	3.0
Mosa	3.0	2.7		2.8	4.0
A-34	7.3	2.3		3.0	3.3
Olympriisp	4.3	3.0		3.0	3.7
Kimono	2.7	2.0		3.1	3.3
Bonnieblue	5.7	1.7		3.1	2.0
Tivoli	4.0	2.0	3.7	6.7	
Gardi	4.7	2.3		3.8	6.0
Baron	5.3	2.7		3.8	4.7
Fylking	5.3	3.3		4.2	5.0
A-20	7.0	3.0		4.3	4.7
Park	2.0	5.0	6.7	5.0	7.3
Delta	1.7	5.0	2.7	5.5	4.7
Newport	1.3	5.7	5.7	5.6	7.0
Delft	2.0	2.7	4.3	5.7	6.0
Orna	5.0	5.3	4.3	6.0	6.0

Plot seeded 9/23/75, MSU Muck Farm, 5' x 7' - 3 replications.

\* ( ) = Number of observations in average.

\*\* 1 = Best 9 = Poorest

\*\*\* 1 = Least 9 = most infection. All rated 1 except as noted.