New Jersey – Urban Site

Total living turf cover [Total Cover (TC)] for Fall 2016, Spring 2017, Fall 2017 and Spring 2018; and percent total cover change from 2016 to 2017 (2016-2017 % TC Change) and percent total cover change from 2017 to 2018 (2017-2018 % TC Change). When treatment F tests were significant ($p \leq 0.05$), the Fisher's Protected Least Significant Difference Test ($\alpha=0.05$) was used to separate means. Negative values indicate a reduction in turf coverage of desired species, whereas a positive value means the turf coverage of the plot increased.

This site was seeded 10/5/2016. The soil type was Matapeake silt loam with 3.8% organic matter. Plots were established with natural precipitation.

		Fall 2016	Spring 2017	2016-2017	Fall 2017	Spring 2018	2017-2018
Turfgrass Entry	**Species[1]**	**Total Cover (TC)**		**% TC Change**	**Total Cover (TC)**		**% TC Change**
BAR PD06N17	AL	98.3	85.6	-12.8	7.8	1.1	-6.7
BAR PD9032	AL	59.4	38.9	-20.6	32.2	55.0	22.8
Fults	AL	75.6	57.8	-17.8	55.6	74.4	18.9
Salton Sea	AL	23.9	23.9	0.0	14.4	53.9	39.4
SeaSalt	AL	25.6	28.9	3.3	28.3	60.6	32.2
Oceania Maritima	AM	63.4	62.2	-1.2	36.1	62.2	26.1
Castle	CH	69.4	30.6	-38.9	17.2	20.0	2.8
Compass II	CH	72.2	18.9	-53.3	22.8	30.0	7.2
FRC 43 M2	CH	67.8	20.6	-47.2	14.4	22.2	7.8
Heathland	CH	72.8	17.2	-55.6	19.4	17.8	-1.7
Beacon	HD	75.6	40.5	-35.0	22.2	32.8	10.6
Gladiator	HD	55.6	8.9	-46.7	13.3	20.0	6.7
Nanook	HD	69.4	20.6	-48.9	13.9	26.1	12.2
Soil Guard	HD	47.2	16.7	-30.5	12.8	20.0	7.2
Sword	HD	57.2	16.7	-40.5	15.6	37.2	21.7
Barduke	KB	31.1	4.4	-26.7	4.4	15.0	10.6
J-525	KB	19.4	0.0	-19.4	1.1	5.6	4.4
J-793	KB	30.5	0.0	-30.5	8.9	20.6	11.7
J-920	KB	28.9	5.6	-23.3	7.2	18.3	11.1
Milagro	KB	16.6	1.1	-15.5	0.6	3.3	2.8
Morocco	KB	31.1	2.8	-28.3	16.7	33.9	17.2
Tirem	KB	33.9	6.7	-27.2	24.4	40.6	16.1
Volt	KB	27.8	2.8	-25.0	2.8	16.7	13.9
16-14-Lp 145	PR	96.1	72.8	-23.4	28.3	43.9	15.6
BAR Lp 10970	PR	90.6	68.3	-22.2	41.7	50.0	8.3
Gray Fox	PR	88.4	83.3	-5.0	25.6	45.0	19.4
Premium	PR	93.9	77.2	-16.7	30.0	42.2	12.2
Replicator[2]	PR	80.0	47.8	-32.2	32.2	29.4	-2.8
Stellar	PR	95.0	72.8	-22.2	26.7	36.1	9.4
BAR BIF 1GRL	SB	87.2	62.8	-24.5	31.7	41.7	8.3
Blue Mesa	SH	73.9	20.6	-53.3	10.0	18.3	8.3
J-248	SH	73.3	27.8	-45.6	22.8	31.1	8.3

Quatro	SH	55.5	15.5	-40.0	13.3	21.7	12.2
10RT DE	SL	84.4	41.7	-42.8	38.3	50.6	1.1
Sea Mist	SL	77.2	42.2	-35.0	31.1	32.2	17.8
Seabreeze GT	SL	83.9	60.0	-23.9	45.0	62.8	13.9
Shoreline	SL	71.1	47.8	-23.3	61.7	75.6	10.0
FRR 72 M2	ST	68.3	26.1	-42.2	8.9	24.4	15.6
Kent	ST	61.1	32.2	-28.9	27.8	38.3	10.6
Navigator II	ST	67.2	27.2	-40.0	27.8	38.3	10.6
Ruddy	ST	70.0	25.0	-45.0	8.9	22.2	13.3
Xeric	ST	75.0	31.1	-43.9	23.9	39.4	15.6
Avenger II	TF	57.8	47.8	-10.0	43.3	59.4	16.1
Birmingham	TF	78.9	57.8	-21.1	38.3	52.8	14.4
Black Tail	TF	73.9	60.0	-13.9	74.4	66.7	-7.8
Fayette	TF	58.3	46.6	-11.7	37.8	56.7	18.9
JT-621	TF	77.8	33.3	-44.4	47.8	61.1	13.3
MNKY	TF	55.6	31.7	-23.9	40.6	61.1	20.6
Saltillo	TF	75.5	71.1	-4.4	37.2	60.0	22.8
Thunderstruck	TF	80.6	63.9	-16.7	60.0	69.4	9.4
MI DOT THV	MX	81.6	70.5	-11.1	71.7	88.3	16.7
MI DOT TUF	MX	86.1	66.7	-19.4	62.8	93.9	31.1
MN DOT 25-131	MX	81.1	66.7	-14.4	46.1	58.9	12.8
MN DOT MNST-12	MX	67.8	37.2	-30.6	49.4	61.1	11.7
NE DOT Rural Region 2	MX	29.4	10.6	-18.9	17.8	27.8	10.0
NE DOT Urban and Turf	MX	94.4	83.9	-10.6	44.4	73.9	29.4
NJ DOT A-4	MX	47.8	24.4	-23.4	21.7	40.0	18.3
NJ DOT Type B	MX	56.1	18.4	-37.7	29.4	43.9	14.4
WI DOT #20	MX	59.4	34.4	-25.0	46.7	64.4	17.8
WI DOT #40	MX	55.6	37.8	-17.8	27.2	50.0	22.8
LSD 0.05		22.3	33	NS	NS	NS	NS

[1]Species tested include: AL = alkaligrass (*Puccinellia distans*); AM = seaside alkaligrass (*Puccinellia maritima*); CH = Chewings fescue (*Festuca rubra* ssp. *fallax*); HD = hard fescue (*Festuca brevipila*); KB = Kentucky bluegrass (*Poa pratensis*); PR = perennial ryegrass (*Lolium perenne*); SB = smooth bromegrass (*Bromus inermis*); SL = slender creeping red fescue (*Festuca rubra* ssp. *littoralis*); ST = strong creeping red fescue (*Festuca rubra* ssp. *rubra*); TF = tall fescue (*Schedonorus arundinaceus*); MX = DOT-specified mixtures. Mixture components can be found at http://roadsideturf.umn.edu/regional-roadside-state-mixtures.

[2]Tetraploid perennial ryegrass