

## New Jersey – Rural 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. For % TC Change (when significant), **the most positive value within a column is shaded blue**, while **the most negative value within a column is shaded red**. Remaining cells are shaded in a blue-purple-red gradient with **zero shaded purple**. 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 10/4/2016. The soil type was Klinsville channery loam with 3.7% organic matter. Plots were established with natural precipitation.

Turfgrass Entry	Species <sup>1</sup>	Fall 2016	Spring 2017	2016-2017	Fall 2017	Spring 2018	2017-2018
		Total Cover (TC)	Total Cover (TC)	% TC Change	Total Cover (TC)	Total Cover (TC)	% TC Change
BAR PD06N17	AL	81.7	73.9	-7.8	16.7	41.7	25.0
BAR PD9032	AL	36.6	22.8	-13.9	35.0	34.4	-0.6
Fults	AL	87.8	80.0	-7.8	63.9	75.6	11.7
Salton Sea	AL	55.0	56.7	1.7	30.0	38.9	8.9
SeaSalt	AL	49.4	79.5	30.0	10.6	35.0	24.4
Oceania Maritima	AM	67.2	70.5	3.3	31.1	46.7	15.6
Castle	CH	46.7	0.0	-46.7	0.0	0.0	0.0
Compass II	CH	46.7	0.0	-46.7	0.0	0.0	0.0
FRC 43 M2	CH	49.4	0.0	-49.4	0.0	0.0	0.0
Heathland	CH	39.4	0.0	-39.4	0.6	0.0	-0.6
Beacon	HD	49.5	0.0	-49.5	2.8	0.0	-2.8
Gladiator	HD	43.9	0.0	-43.9	0.0	0.0	0.0
Nanook	HD	59.4	0.0	-59.4	0.0	0.0	0.0
Soil Guard	HD	36.7	0.0	-36.7	0.0	0.0	0.0
Sword	HD	67.2	0.0	-67.2	0.6	0.0	-0.6
Barduke	KB	28.3	0.0	-28.3	0.0	0.0	0.0
J-525	KB	21.1	0.0	-21.1	0.6	0.0	-0.6
J-793	KB	43.4	0.0	-43.4	0.0	0.0	0.0
J-920	KB	22.2	0.0	-22.2	0.0	0.0	0.0
Milagro	KB	20.5	0.0	-20.5	1.1	0.0	-1.1
Morocco	KB	25.6	0.0	-25.6	0.0	0.0	0.0
Tirem	KB	28.3	0.0	-28.3	0.0	0.0	0.0
Volt	KB	10.6	0.0	-10.6	0.0	0.0	0.0
16-14-Lp 145	PR	70.5	0.0	-70.5	0.0	0.0	0.0
BAR Lp 10970	PR	89.4	0.0	-89.4	1.7	0.0	-1.7
Gray Fox	PR	84.5	3.3	-81.1	0.0	0.0	0.0
Premium	PR	86.7	0.6	-86.1	0.6	0.0	-0.6
Replicator <sup>2</sup>	PR	66.7	0.0	-66.7	0.0	0.0	0.0
Stellar	PR	89.4	0.6	-88.9	1.7	0.0	-1.7
BAR BIF 1GRL	SB	55.6	4.4	-51.1	0.0	0.0	0.0

Blue Mesa	SH	63.3	0.0	-63.3	0.0	0.0	0.0
J-248	SH	52.2	0.0	-52.2	0.0	0.0	0.0
Quatro	SH	40.0	2.8	-37.2	0.0	0.0	0.0
10RT DE	SL	83.9	15.0	-68.9	0.0	0.0	0.0
Sea Mist	SL	68.3	0.0	-68.3	0.0	0.0	0.0
Seabreeze GT	SL	79.5	9.4	-70.0	1.7	0.0	-1.7
Shoreline	SL	73.3	1.1	-72.2	0.6	0.0	-0.6
FRR 72 M2	ST	64.5	0.0	-64.5	0.0	0.0	0.0
Kent	ST	57.8	0.6	-57.2	0.6	0.0	-0.6
Navigator II	ST	52.2	0.0	-52.2	0.0	0.0	0.0
Ruddy	ST	60.0	0.0	-60.0	0.6	0.0	-0.6
Xeric	ST	51.1	0.0	-51.1	0.0	0.0	0.0
Avenger II	TF	69.4	0.0	-69.4	3.3	0.0	-3.3
Birmingham	TF	68.9	1.7	-67.2	2.2	0.0	-2.2
Black Tail	TF	61.7	2.8	-58.9	4.4	0.0	-4.4
Fayette	TF	73.9	1.7	-72.2	0.6	0.0	-0.6
JT-621	TF	63.9	4.4	-59.5	3.3	0.0	-3.3
MNKY	TF	68.9	0.6	-68.3	0.0	0.0	0.0
Saltillo	TF	77.2	6.7	-70.6	4.4	0.0	-4.4
Thunderstruck	TF	66.6	12.8	-53.9	1.1	0.0	-1.1
MI DOT THV	MX	83.9	66.1	-17.8	51.7	53.3	1.7
MI DOT TUF	MX	85.0	73.9	-11.1	59.4	61.1	1.7
MN DOT 25-131	MX	63.9	0.0	-63.9	0.0	0.0	0.0
MN DOT MNST-12	MX	58.3	1.1	-57.2	0.6	0.0	-0.6
NE DOT Rural Region 2	MX	18.3	0.0	-18.3	0.0	0.0	0.0
NE DOT Urban and Turf	MX	90.0	21.7	-68.4	7.2	0.0	-7.2
NJ DOT A-4	MX	46.1	0.6	-45.5	0.0	0.0	0.0
NJ DOT Type B	MX	45.5	0.0	-45.5	1.1	0.0	-1.1
WI DOT #20	MX	43.9	0.0	-43.9	0.6	0.0	-0.6
WI DOT #40	MX	31.1	0.0	-31.1	0.0	0.0	0.0
LSD 0.05		32.7	17.9	34.0	10.4	17.9	15.0

<sup>1</sup>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 brome grass (*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>.

<sup>2</sup>Tetraploid perennial ryegrass