

### Minnesota – Rural Site

Total living turf cover [Total Cover (TC)] for Fall 2017 and Spring 2018 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 8/24/2017. The soil type was Cordova loam with 3.4% organic matter. This site was damaged due to a construction crane and had to be re-seeded in fall 2017. Plots were watered with a water truck during establishment.

Turfgrass Entry	Species <sup>1</sup>	Fall 2017	Spring 2018	2017-2018
		Total Cover (TC)		% TC Change
BAR PD06N17	AL	76.1	46.7	-29.4
BAR PD9032	AL	65.0	25.6	-39.4
Fults	AL	30.6	20.0	-10.6
Salton Sea	AL	61.7	11.7	-50.0
SeaSalt	AL	26.7	12.2	-14.4
Oceania Maritima	AM	63.9	41.1	-22.8
Castle	CH	78.9	8.9	-70.0
Compass II	CH	67.2	13.9	-53.3
FRC 43 M2	CH	81.1	8.3	-72.8
Heathland	CH	70.0	13.9	-56.1
Beacon	HD	92.2	28.9	-63.3
Gladiator	HD	84.4	25.6	-58.9
Nanook	HD	51.1	17.2	-33.9
Soil Guard	HD	71.7	7.2	-64.4
Sword	HD	77.2	12.2	-65.0
Barduke	KB	56.7	7.8	-48.9
J-525	KB	52.8	4.4	-48.3
J-793	KB	37.8	2.2	-35.6
J-920	KB	27.2	2.2	-25.0
Milagro	KB	57.2	1.1	-56.1
Morocco	KB	69.4	8.3	-61.1
Tirem	KB	56.1	11.7	-44.4
Volt	KB	72.8	0.6	-72.2
16-14-Lp 145	PR	90.6	1.1	-89.4
BAR Lp 10970	PR	77.8	2.8	-75.0
Gray Fox	PR	83.9	0.6	-83.3
Premium	PR	88.3	0.6	-87.8
Replicator <sup>2</sup>	PR	90.6	1.7	-88.9
Stellar	PR	93.9	0.6	-93.3
BAR BIF 1GRL	SB	40.6	1.1	-39.4
Blue Mesa	SH	82.2	35.6	-46.7
J-248	SH	68.9	18.9	-50.0
Quatro	SH	81.7	23.9	-57.8

10RT DE	SL	90.0	29.4	<b>-60.6</b>
Sea Mist	SL	91.1	25.6	<b>-65.6</b>
Seabreeze GT	SL	84.4	12.8	<b>-71.7</b>
Shoreline	SL	87.8	37.2	<b>-50.6</b>
FRR 72 M2	ST	70.0	13.9	<b>-56.1</b>
Kent	ST	85.0	21.1	<b>-63.9</b>
Navigator II	ST	70.0	23.9	<b>-46.1</b>
Ruddy	ST	64.4	18.9	<b>-45.6</b>
Xeric	ST	81.1	18.9	<b>-62.2</b>
Avenger II	TF	87.2	3.9	<b>-83.3</b>
Birmingham	TF	86.1	10.6	<b>-75.6</b>
Black Tail	TF	68.9	5.0	<b>-63.9</b>
Fayette	TF	80.6	3.3	<b>-77.2</b>
JT-621	TF	73.9	1.1	<b>-72.8</b>
MNKY	TF	88.9	11.7	<b>-77.2</b>
Saltillo	TF	79.4	7.8	<b>-71.7</b>
Thunderstruck	TF	78.9	1.7	<b>-77.2</b>
MI DOT THV	MX	73.3	21.7	<b>-51.7</b>
MI DOT TUF	MX	71.1	34.4	<b>-36.7</b>
MN DOT 25-131	MX	83.9	31.7	<b>-52.2</b>
MN DOT MNST-12	MX	92.8	17.8	<b>-75.0</b>
NE DOT Rural Region 2	MX	81.7	9.4	<b>-72.2</b>
NE DOT Urban and Turf	MX	98.3	11.1	<b>-87.2</b>
NJ DOT A-4	MX	84.4	18.9	<b>-65.6</b>
NJ DOT Type B	MX	80.6	11.7	<b>-68.9</b>
WI DOT #20	MX	78.3	6.7	<b>-71.7</b>
WI DOT #40	MX	43.9	4.4	<b>-39.4</b>
LSD 0.05		30.8	18.6	27.4

<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