

## Michigan – 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 9/16/2016. The soil type was Metea loamy sand with 3.5% 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	63.9	42.2	<b>-21.7</b>	56.1	66.1	10.0
BAR PD9032	AL	33.9	15.0	<b>-18.9</b>	58.3	67.2	8.9
Fults	AL	77.8	46.7	<b>-31.1</b>	57.8	70.6	12.8
Salton Sea	AL	56.7	35.0	<b>-21.7</b>	56.7	67.8	11.1
SeaSalt	AL	31.1	20.6	<b>-10.5</b>	52.2	66.1	13.9
Oceania Maritima	AM	78.4	55.0	<b>-23.4</b>	57.2	71.1	13.9
Castle	CH	86.1	82.2	<b>-3.9</b>	50.6	66.7	16.1
Compass II	CH	91.1	85.0	<b>-6.1</b>	56.1	67.8	11.7
FRC 43 M2	CH	96.7	81.6	<b>-15.0</b>	56.7	68.3	11.7
Heathland	CH	90.0	81.1	<b>-8.9</b>	57.8	66.7	8.9
Beacon	HD	92.8	85.0	<b>-7.8</b>	50.6	68.9	18.3
Gladiator	HD	94.4	88.3	<b>-6.1</b>	52.2	60.6	8.3
Nanook	HD	92.8	90.5	<b>-2.7</b>	59.4	71.7	12.2
Soil Guard	HD	90.6	85.5	<b>-5.0</b>	58.3	70.6	12.2
Sword	HD	93.9	86.1	<b>-7.8</b>	48.3	66.7	18.3
Barduke	KB	60.6	13.9	<b>-46.7</b>	50.6	61.7	11.1
J-525	KB	56.1	26.1	<b>-30.0</b>	54.4	66.7	12.2
J-793	KB	72.2	32.2	<b>-40.0</b>	58.9	73.3	14.4
J-920	KB	57.2	28.3	<b>-28.9</b>	53.3	62.2	8.9
Milagro	KB	47.8	8.3	<b>-39.4</b>	51.7	67.8	16.1
Morocco	KB	57.2	28.3	<b>-28.9</b>	57.2	68.9	11.7
Tirem	KB	57.2	29.5	<b>-27.8</b>	56.7	67.8	11.1
Volt	KB	65.0	29.4	<b>-35.6</b>	58.3	72.8	14.4
16-14-Lp 145	PR	98.9	94.4	<b>-4.5</b>	56.7	67.8	11.1
BAR Lp 10970	PR	98.3	95.0	<b>-3.3</b>	59.4	71.7	12.2
Gray Fox	PR	99.4	98.3	<b>-1.1</b>	57.2	63.9	6.7
Premium	PR	100.0	97.8	<b>-2.2</b>	55.0	67.8	12.8
Replicator <sup>2</sup>	PR	100.0	97.8	<b>-2.2</b>	61.1	70.0	8.9
Stellar	PR	98.9	96.7	<b>-2.2</b>	52.2	68.3	16.1
BAR BIF 1GRL	SB	97.8	92.8	<b>-5.0</b>	53.9	68.3	14.4
Blue Mesa	SH	87.2	92.2	<b>5.0</b>	50.0	64.4	14.4
J-248	SH	95.5	90.0	<b>-5.5</b>	54.4	68.3	13.9
Quatro	SH	90.0	85.0	<b>-5.0</b>	52.8	67.8	15.0

10RT DE	SL	93.9	89.5	<b>-4.4</b>	55.6	60.0	4.4
Sea Mist	SL	96.1	87.8	<b>-8.3</b>	56.1	65.0	8.9
Seabreeze GT	SL	97.8	87.2	<b>-10.5</b>	58.9	70.6	11.7
Shoreline	SL	96.7	92.8	<b>-3.9</b>	56.7	71.7	15.0
FRR 72 M2	ST	95.0	79.4	<b>-15.6</b>	56.1	68.9	12.8
Kent	ST	90.0	86.1	<b>-3.9</b>	57.8	70.6	12.8
Navigator II	ST	93.3	84.4	<b>-8.9</b>	52.8	62.8	10.0
Ruddy	ST	88.9	83.3	<b>-5.5</b>	50.6	69.4	18.9
Xeric	ST	92.2	85.5	<b>-6.7</b>	52.8	62.2	9.4
Avenger II	TF	98.3	96.7	<b>-1.7</b>	55.6	62.2	6.7
Birmingham	TF	100.0	91.1	<b>-8.9</b>	52.8	62.8	10.0
Black Tail	TF	97.8	92.8	<b>-5.0</b>	55.6	61.7	6.1
Fayette	TF	96.7	88.9	<b>-7.8</b>	57.2	66.7	9.4
JT-621	TF	96.1	93.3	<b>-2.8</b>	56.7	63.9	7.2
MNKY	TF	93.9	85.6	<b>-8.3</b>	53.3	62.8	9.4
Saltillo	TF	96.7	93.9	<b>-2.8</b>	53.9	68.9	15.0
Thunderstruck	TF	97.8	88.9	<b>-8.9</b>	55.0	70.0	15.0
MI DOT THV	MX	96.1	90.6	<b>-5.5</b>	48.9	65.6	16.7
MI DOT TUF	MX	97.8	93.3	<b>-4.4</b>	48.3	65.0	16.7
MN DOT 25-131	MX	97.2	88.9	<b>-8.3</b>	50.0	62.8	12.8
MN DOT MNST-12	MX	96.1	86.1	<b>-10.0</b>	57.8	68.9	11.1
NE DOT Rural Region 2	MX	90.0	80.0	<b>-10.0</b>	56.7	66.1	9.4
NE DOT Urban and Turf	MX	98.9	97.8	<b>-1.1</b>	59.4	68.9	9.4
NJ DOT A-4	MX	83.9	75.0	<b>-8.9</b>	57.8	70.6	12.8
NJ DOT Type B	MX	92.8	97.2	<b>4.4</b>	55.6	63.9	8.3
WI DOT #20	MX	96.1	85.0	<b>-11.1</b>	53.9	62.2	8.3
WI DOT #40	MX	86.7	75.5	<b>-11.2</b>	56.7	67.2	10.6
LSD 0.05		12.4	13.5	11.5	NS	NS	NS

<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 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>.

<sup>2</sup>Tetraploid perennial ryegrass