

Michigan – 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 9/21/2016. The soil type was Gilford sandy loam with 1.9% organic matter. Plots were established with natural precipitation.

Turfgrass Entry	Species ¹	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	42.8	42.8	0.0	1.7	7.8	6.1
BAR PD9032	AL	15.0	15.6	0.6	27.2	22.8	-4.4
Fults	AL	73.3	70.5	-2.8	2.8	12.2	9.4
Salton Sea	AL	36.1	38.3	2.2	20.6	15.0	-5.6
SeaSalt	AL	25.6	33.3	7.8	3.3	7.2	3.9
Oceania Maritima	AM	59.5	53.9	-5.6	2.2	7.8	5.6
Castle	CH	95.0	83.9	-11.1	43.3	63.9	20.6
Compass II	CH	90.0	84.4	-5.6	46.1	66.7	20.6
FRC 43 M2	CH	96.1	89.4	-6.7	52.8	74.4	21.7
Heathland	CH	95.0	88.4	-6.6	57.8	70.6	12.8
Beacon	HD	92.8	85.6	-7.2	71.1	91.7	20.6
Gladiator	HD	90.0	87.8	-2.2	72.8	88.3	15.6
Nanook	HD	88.3	92.8	4.5	71.7	85.6	13.9
Soil Guard	HD	91.1	89.4	-1.7	68.9	85.0	16.1
Sword	HD	86.1	91.1	5.0	75.0	92.2	17.2
Barduke	KB	60.6	51.7	-8.9	41.1	43.3	2.2
J-525	KB	68.9	70.5	1.6	47.8	72.2	24.4
J-793	KB	75.6	77.2	1.7	65.6	76.7	11.1
J-920	KB	64.5	62.8	-1.7	46.7	70.0	23.3
Milagro	KB	56.7	56.1	-0.6	68.3	65.0	-3.3
Morocco	KB	62.8	68.3	5.6	81.1	82.2	1.1
Tirem	KB	59.4	65.0	5.6	37.8	58.9	21.1
Volt	KB	63.9	67.8	3.9	56.7	58.3	1.7
16-14-Lp 145	PR	96.1	90.5	-5.6	82.2	76.1	-6.1
BAR Lp 10970	PR	97.8	91.7	-6.1	63.9	66.1	2.2
Gray Fox	PR	97.8	93.9	-3.9	75.0	78.9	3.9
Premium	PR	97.8	97.2	-0.5	75.6	76.1	0.6
Replicator ²	PR	95.0	91.1	-3.9	65.0	77.2	12.2
Stellar	PR	96.7	93.9	-2.8	74.4	75.6	1.1
BAR BIF 1GRL	SB	85.6	84.4	-1.1	97.8	90.6	-7.2

Blue Mesa	SH	90.0	90.6	0.6	68.9	84.4	15.6
J-248	SH	91.1	86.1	-5.0	67.2	82.2	15.0
Quatro	SH	93.3	90.6	-2.8	70.0	85.0	15.0
10RT DE	SL	96.7	90.0	-6.7	57.2	71.7	14.4
Sea Mist	SL	92.2	90.6	-1.7	65.0	71.7	6.7
Seabreeze GT	SL	93.9	86.1	-7.7	62.2	70.6	8.3
Shoreline	SL	91.1	91.1	0.0	50.0	76.1	26.1
FRR 72 M2	ST	92.2	91.1	-1.1	55.0	69.4	14.4
Kent	ST	92.8	82.2	-10.6	77.2	87.2	10.0
Navigator II	ST	88.3	87.2	-1.1	65.6	82.8	17.2
Ruddy	ST	91.6	91.7	0.0	62.2	77.2	15.0
Xeric	ST	92.8	88.3	-4.4	52.2	72.2	20.0
Avenger II	TF	98.9	92.2	-6.6	90.6	90.6	0.0
Birmingham	TF	95.0	88.9	-6.1	94.4	97.8	3.3
Black Tail	TF	98.3	93.3	-5.0	92.2	95.6	3.3
Fayette	TF	95.0	90.6	-4.5	86.7	93.3	6.7
JT-621	TF	93.3	87.2	-6.1	88.9	97.2	8.3
MNKY	TF	89.5	79.4	-10.0	58.3	56.7	-1.7
Saltillo	TF	95.0	87.2	-7.8	85.0	88.9	3.9
Thunderstruck	TF	93.9	93.3	-0.6	71.1	77.8	6.7
MI DOT THV	MX	93.9	88.9	-5.0	63.9	75.6	11.7
MI DOT TUF	MX	91.1	81.7	-9.5	75.0	78.9	3.9
MN DOT 25-131	MX	93.9	84.4	-9.5	61.1	84.4	23.3
MN DOT MNST-12	MX	89.5	90.6	1.1	67.2	87.2	20.0
NE DOT Rural Region 2	MX	38.3	46.7	8.4	62.2	61.7	-0.6
NE DOT Urban and Turf	MX	97.2	91.1	-6.1	85.0	90.0	5.0
NJ DOT A-4	MX	83.3	82.2	-1.1	62.2	70.6	8.3
NJ DOT Type B	MX	80.0	81.7	1.7	82.2	95.6	13.3
WI DOT #20	MX	90.0	83.9	-6.1	77.8	87.8	10.0
WI DOT #40	MX	78.9	73.9	-5.0	39.4	57.8	18.3
LSD 0.05		11.9	12.9	10.8	30.5	25.8	20.9

¹Species 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>.

²Tetraploid perennial ryegrass