

Table 1.1
Surface Characteristics on SportGrass (SG) Crumb Rubber Study After Final Traffic Treatment

Soil Base (SB) beneath SG (inches)	Turfgrass performance characteristics		
	G_{max}^{\dagger} (g)	Density [‡] (%)	Shear Vane [§] (Nm)
6 inches of sand	66.6	70.4	14.4
5 inches of sand & 1 inch rubber	58.2	76.9	14.8
significance	**	n/s	n/s
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Rubber Depth (RD) in SG (inches)			
0	68.4	57.5	19.5
3.375	62.5	78.7	11.8
3.625	56.3	84.7	12.5
LSD _(0.05)	4.1	10.0	5.7
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SB x RD			
6, 0	75.7	53.3	18.3
5 + 1, 0	61.1	61.7	20.7
6, 0.375	65.2	75.0	12.3
5 + 1, 0.375	59.8	82.3	11.3
6, 0.625	59.0	83.0	12.7
5 + 1, 0.625	53.7	86.7	12.3
LSD _(0.05)	5.8	n/s	n/s

** , Significant at the 0.05 probability level

† note that G_{max} was measured on 8 November 1996

‡ note that density ratings were taken 30 November 1996

§ note that shear vane measurements were taken on 16 October 1996

Table 1.2
Sport Grass Surface Hardness Characteristics (G_{max})

Soil Base (SB) beneath SG (inches)	9 April /96 [†]	1 May /96 [†]	21 June /96 [†]	9 Aug. /96 ^{††}	8 Nov. /96 [†]
6 inches of sand	66.2	68.7	53.6	63.4	66.6
5 inches of sand & 1 in rubber	60.2	57.7	42.0	59.3	58.2
significance	n/s	**	**	n/s	**
Rubber Depth (RD) in SG (inches)					
0	62.1	61.5	53.3	62.3	68.4
0.375	66.3	67.0	47.6	59.6	62.5
0.625	61.3	61.2	42.5	62.0	56.3
LSD _(0.05)	n/s	4.9	2.9	n/s	4.1
RD x SB (inches)					
6, 0	68.2	66.9	61.0	64.2	75.7
5 + 1, 0	55.9	56.1	45.6	60.4	61.1
6, 0.375	69.1	72.4	52.3	60.8	65.2
5 + 1, 0.375	63.5	61.5	42.9	58.4	59.8
6, 0.625	61.4	66.8	47.5	65.1	59.0
5 + 1, 0.625	61.3	55.6	37.4	59.0	53.7
LSD _(0.05)	n/s	n/s	4.4	n/s	5.8

** , Significant at the 0.05 probability level

† indicates G_{max} measurements prior to crumb rubber topdressing applications

‡ indicates G_{max} measurements prior to traffic applications with after crumb rubber applications

§ indicates G_{max} measurements after traffic applications

Table 2.1
Surface Characteristics of SportGrass (SG) Sant Top Layer Study After Final Traffic Treatment

Topdressing mix	G_{max} [†] (g)	Density [‡] (%)	Shear Vane [§] (Nm)
Sport mix	89.9	73.3	27.3
2NS	86.7	68.3	22.8
Coarse to v. coarse	89.5	75.7	17.8
TDS 21/50	81.7	73.3	26.2
USGA mix	84.4	68.3	27.5
LSD _(0.05)	n/s	n/s	4.6

** , Significant at the 0.05 probability level

† note G_{max} measurements were taken 8 November 1996

‡ note that density ratings were taken 30 November 1996

§ note that shear vane measurements were taken on 16 October 1996

Table 3.0
Fall Turfgrass Density Ratings (% Cover) for Experiment 1 and 2

Experiment 1	Dates	
	14 October 1996	30 November 1996
Soil Base (SB) beneath SG (inches)		
6 inches of sand	94.1	70.4
5 inches of sand & 1 inch rubber	96.8	76.9
significance	**	n/s
Rubber Depth (RD) in SG (inches)		
0	92.7	57.5
0.375	97.0	78.7
0.625	96.7	84.3
LSD _(0.05)	1.7	10
SB x RD (inches)		
6, 0	90.3	53.3
5 + 1, 0	95.0	61.7
6, 0.375	96.3	75.0
5 + 1, 0.375	97.7	82.3
6, 0.625	95.7	83.0
5 + 1, 0.625	97.7	86.7
significance	n/s	n/s
Experiment 2		
Topdressing mix		
Sport mix	97.7	73.3
2NS	97.0	68.3
Coarse to v. coarse	97.0	75.7
TDS 21/50	97.0	73.3
USGA mix	94.0	68.3
significance	n/s	n/s

** , Significant at the 0.05 probability level