

Prof. Frank Williams, Brigham Young University Date: 6/24-2002													
Comparing Artificial vs Natural vs Others													
site	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00
Artificial Turf													
Surface (Dry)	55	84	106.5	132.5	147	165	174	180	174			120	111
2"	68	78	82	96	103	112	122	122	120	102	98	98	95
Air 6"	66	74	77.5	85	91	99	104	100	102	100	99	99	91
Air 5'							100	98	101	98	99	99	97
Shade					64	73	76						87.5
Surface White Line						139	159	150	145	104	83	85	93
Soaking Wet										85			
5 minutes after wet										120			
20 min after wet									171	164	106		
Natural Turf													
Surface	58	64.5	73	79	82	90	84	93.5	88	89	79	80	85
Air 6"	68	72	77	83	87.5	95	100	96	98	98	97	97	97
Air 5'							93	96	97	98	97	97	97
Asphalt													
Surface	73	76	87	99	109	119.5	134	138	141	143	136	131	118
Air 6"	68	77	79	85	89	99	99	100	102	99	98	98	99
Air 5'							99	98	102	98	96	96	96
Soil													
Surface	54	79	94	102	117	127	131	131	133	135	120	116	106
Air 6"	68	76	79	87	90	100	100	100	102	98	94	98	99
Air 5'							98	100	102	96	93	98	96
Concrete													
Surface	62	69	78	88	92	104	108	113	123	122	112.5	110	109.5
Air 6"	68	76	80	85	89	98	98	99	102	98	100	100	98
Air 5'							96	98	101	97	100	99	97.5
Shaded blocks are temp when ground is wet													