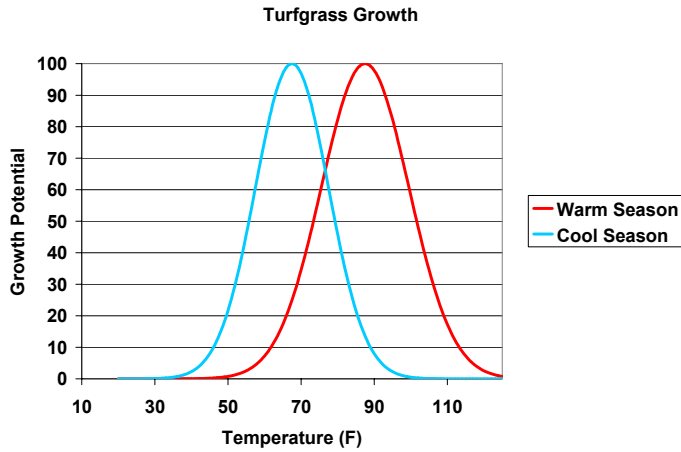


Growth of cool season and warm season turf at different average air temperatures.

Average air temperatures are based on 30 year normal average monthly air temperature data obtained from the National Oceanic and Atmospheric Administration. Growth potential values for warm and cool season turf were determined by using the Turfgrass Growth Model developed by the PACE Turfgrass Research Institute (March, 2000 PACE Insights). The variance in the equation below is set to 10 for cool season turfgrasses and 12 for warm season turfgrasses.



$$100 \times e^{\left(-\frac{1}{2} \left(\frac{\text{average temperature} - \text{optimum growth temperature}}{\text{variance}} \right)^2 \right)}$$

Percent Turfgrass Growth Potential					
Average Temp (F)	Warm Season	Cool Season	Average Temp (F)	Warm Season	Cool Season
20	0	0	69	30	99
21	0	0	70	35	97
22	0	0	71	39	94
23	0	0	72	43	90
24	0	0	73	48	86
25	0	0	74	53	81
26	0	0	75	58	75
27	0	0	76	63	70
28	0	0	77	68	64
29	0	0	78	73	58
30	0	0	79	78	52
31	0	0	80	82	46
32	0	0	81	86	40
33	0	0	82	90	35
34	0	0	83	93	30
35	0	1	84	96	26
36	0	1	85	98	22
37	0	1	86	99	18
38	0	1	87	100	15
39	0	2	88	100	12
40	0	2	89	99	10
41	0	3	90	98	8
42	0	4	91	96	6
43	0	5	92	93	5
44	0	6	93	90	4
45	0	8	94	86	3
46	0	10	95	82	2
47	0	12	96	78	2
48	0	15	97	73	1
49	1	18	98	68	1
50	1	22	99	63	1
51	1	26	100	58	1
52	1	30	101	53	0
53	2	35	102	48	0
54	2	40	103	43	0
55	3	46	104	39	0
56	3	52	105	35	0
57	4	58	106	30	0
58	5	64	107	27	0
59	6	70	108	23	0
60	7	75	109	20	0
61	9	81	110	17	0
62	10	86	111	15	0
63	12	90	112	12	0
64	15	94	113	10	0
65	17	97	114	9	0
66	20	99	115	7	0
67	23	100	116	6	0
68	27	100	117	5	0
69	30	99	118	4	0
70	35	97	119	3	0
71	39	94	120	3	0
72	43	90	121	2	0
73	48	86	122	2	0
74	53	81	123	1	0
75	58	75	124	1	0
76	63	70	125	1	0
77	68	64	126	1	0