

2011 Perennial Ryegrass Turf Trial - Mowing Height - 11ALPMOW  
 NexGen Turf Research  
 Albany, Oregon

2013 Data

CULTIVAR	Digital Image Analysis				Average Cover 2012-2013	Average Genetic Color 2012-2013	Average Density 2012-2013	Average Turf Quality 2012-2013
	Cover 2013	Genetic Color 2013	Density 2013	Turf Quality 2013				
APR2440	8.34	7.78	7.28	7.56	7.90	7.33	7.20	7.27
Pop (APR2142)	7.89	7.55	7.06	7.28	7.70	7.30	6.70	7.07
Radiance	8.28	7.39	7.22	7.28	7.83	7.10	7.03	7.03
APR2439	8.28	7.61	7.16	7.39	7.73	7.17	6.90	6.97
APR2225	8.17	7.34	7.06	7.11	7.90	7.07	6.70	6.87
APR2463	7.83	7.00	7.78	7.16	7.47	6.63	7.43	6.87
APR2437	7.94	7.22	7.39	7.22	7.53	6.83	6.97	6.83
APR2154	8.17	7.05	7.22	7.11	7.87	6.77	6.70	6.80
APR2436	8.17	7.11	6.94	7.06	7.90	6.83	6.70	6.80
APR2105	8.00	7.06	7.22	7.11	7.73	6.67	6.83	6.80
APR2455	7.94	7.06	7.06	6.95	7.53	6.70	6.77	6.73
Phenom	7.94	7.17	7.17	7.00	7.53	6.77	6.93	6.73
APR2535	7.66	7.00	7.11	6.78	7.57	6.77	6.83	6.70
APR2280	7.72	6.56	7.45	6.89	7.43	6.40	7.13	6.70
APR2464	7.67	7.00	7.22	6.89	7.33	6.70	6.83	6.67
Integra II	8.06	6.94	7.00	6.94	7.60	6.60	6.73	6.63
APR2532	7.45	6.78	7.72	7.00	7.07	6.53	7.23	6.63
APR2461	7.55	6.78	7.05	6.78	7.13	6.60	6.83	6.60
APR2465	7.67	6.78	7.11	6.83	7.33	6.57	6.83	6.57
APR2536	7.72	6.61	7.28	6.83	7.57	6.27	6.73	6.53
APR2212	7.67	6.44	6.89	6.61	7.47	6.23	6.63	6.50
APR2458	7.61	6.78	7.06	6.78	7.23	6.47	6.83	6.50
APR2449	7.78	6.56	7.17	6.72	7.30	6.37	6.93	6.50
APR2466	7.89	6.78	7.11	6.83	7.40	6.47	6.70	6.47
APR2448	7.72	6.39	6.78	6.61	7.40	6.23	6.60	6.40
APR2186	7.84	6.28	6.95	6.61	7.60	6.07	6.63	6.40
APR2106	7.39	6.17	7.50	6.61	7.27	6.03	7.07	6.40
APR2198	7.67	6.61	6.83	6.67	7.40	6.33	6.43	6.37
APR2438	7.61	6.83	6.89	6.72	7.30	6.40	6.53	6.37
APR2104	7.72	6.50	7.17	6.67	7.33	6.33	6.80	6.37
APR2467	7.33	6.72	6.89	6.61	7.07	6.37	6.60	6.33
APR2460	7.22	6.50	6.94	6.39	7.00	6.43	6.70	6.30
APR2534	7.67	6.89	7.11	6.72	7.10	6.57	6.70	6.27
APR2201	7.45	6.50	6.78	6.39	7.13	6.27	6.50	6.23
APR2456	7.56	6.44	6.89	6.50	7.17	6.20	6.53	6.23
APR2533	7.22	6.67	7.39	6.61	6.83	6.33	6.90	6.23
APR2149	7.45	6.22	7.00	6.39	7.10	6.03	6.70	6.20
APR2462	7.67	6.39	6.61	6.39	7.30	6.20	6.33	6.17
APR2453	7.56	6.28	7.11	6.50	7.17	5.93	6.63	6.13
APR2459	7.44	6.61	6.78	6.50	7.00	6.40	6.33	6.10
APR2208	7.28	5.94	6.72	6.17	7.07	6.00	6.50	6.10
APR2457	7.61	6.28	6.61	6.33	7.20	6.10	6.30	6.07
APR2454	7.61	6.11	6.72	6.44	7.27	5.80	6.33	6.07
APR2450	7.61	6.05	6.56	6.22	7.27	5.90	6.23	6.03
APR2452	7.50	5.83	6.83	6.17	7.20	5.73	6.57	6.00
APR2447	7.05	6.17	6.67	6.11	6.63	6.10	6.43	5.83
APR2451	7.28	5.33	6.50	5.78	7.13	5.40	6.17	5.67
Manhattan II	7.61	5.33	6.61	5.94	7.07	5.13	6.17	5.57
CV	3.45	7.16	5.27	6.35	3.18	5.62	4.67	5.57
LSD (0.05)	0.36	0.65	0.50	0.58	0.32	0.49	0.43	0.49
MIN. MEAN	7.05	5.33	6.50	5.78	6.63	5.13	6.17	5.57
MAX. MEAN	8.34	7.78	7.78	7.56	7.90	7.33	7.43	7.27

Yellow background = Entries in the top statistical group

Average Cover 2013 = 1-9; 9=Most Cover (3 ratings)  
 Average Genetic Color 2013 = 1-9; 9=Darkest (3 ratings)  
 Average Density 2013 = 1-9; 9=Most Dense (3 ratings)  
 Average Turf Quality 2013 = 1-9; 9=Best (3 ratings)

Average Cover 2012-2013 = 1-9; 9=Most Cover (5 ratings, 2 years of data)  
 Average Genetic Color 2012-2013 = 1-9; 9=Darkest (5 ratings, 2 years of data)  
 Average Density 2012-2013 = 1-9; 9=Most Dense (5 ratings, 2 years of data)  
 Average Turf Quality 2012-2013 = 1-9; 9=Best (5 ratings, 2 years of data)

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Cultivar	Mowing Height	Objective Ratings - DIA			
		Cover	Genetic Color	Density	Turf Quality
APR2436	Low	5.50	7.00	7.17	6.67
APR2105	Low	6.17	6.83	6.33	6.50
APR2536	Low	5.50	6.67	6.50	6.50
APR2225	Low	5.50	6.83	6.50	6.50
APR2440	Low	5.67	6.83	6.50	6.50
Radiance	Low	5.50	6.50	6.67	6.50
APR2154	Low	5.17	7.00	7.00	6.50
APR2535	Low	5.33	6.50	6.17	6.33
Integra II	Low	5.33	6.67	6.17	6.33
APR2465	Low	5.17	6.83	6.33	6.33
APR2449	Low	5.17	6.33	6.50	6.33
APR2212	Low	5.50	6.50	6.50	6.33
APR2439	Low	5.17	7.00	6.50	6.33
APR2455	Low	5.00	6.50	6.67	6.33
APR2104	Low	5.33	6.50	6.67	6.33
APR2534	Low	5.00	6.67	6.67	6.33
APR2280	Low	5.33	6.50	6.83	6.33
APR2448	Low	5.00	6.67	6.83	6.33
Phenom	Low	5.00	6.50	6.17	6.17
Pop	Low	5.17	6.67	6.17	6.17
APR2461	Low	5.17	6.83	6.17	6.17
APR2198	Low	5.00	6.17	6.33	6.17
APR2462	Low	5.00	6.50	6.33	6.17
APR2458	Low	5.00	6.67	6.33	6.17
APR2437	Low	5.17	6.67	6.33	6.17
APR2463	Low	5.17	6.67	6.33	6.17
APR2533	Low	5.00	6.83	6.33	6.17
APR2450	Low	5.33	6.33	6.50	6.17
APR2467	Low	5.00	6.50	6.50	6.17
APR2438	Low	5.00	6.67	6.50	6.17
APR2532	Low	5.00	7.00	6.50	6.17
APR2464	Low	4.67	6.50	6.67	6.17
APR2453	Low	5.17	6.50	6.67	6.17
APR2460	Low	4.67	6.67	5.83	6.00
APR2459	Low	4.83	6.67	6.17	6.00
APR2456	Low	4.67	6.00	6.33	6.00
APR2208	Low	4.83	6.17	6.50	6.00
APR2186	Low	5.00	6.17	6.50	6.00
APR2457	Low	5.17	6.00	6.00	5.83
APR2106	Low	5.50	5.83	6.17	5.83
APR2466	Low	4.67	6.33	6.17	5.83
APR2454	Low	5.00	5.83	6.33	5.83
APR2452	Low	4.83	6.17	6.33	5.83
APR2201	Low	4.17	6.00	6.83	5.83
APR2149	Low	4.67	5.83	6.17	5.67
Manhattan II	Low	5.00	5.50	6.50	5.67
APR2447	Low	4.67	6.00	6.67	5.67
APR2451	Low	4.50	5.33	5.83	5.33
CV		5.88	6.48	7.91	6.04
LSD		0.45	0.57	0.74	0.54
MIN. MEAN		4.17	5.33	5.83	5.33
MAX. MEAN		6.67	7.33	8.17	7.67

= Entries in the top statistical group  
 Average Cover = 1-9; 9=Most Cover (3 ratings)  
 Average Genetic Color = 1-9; 9=Darkest (3 ratings)  
 Average Density = 1-9; 9=Most Dense (3 ratings)  
 Average Turf Quality = 1-9; 9=Best (3 ratings)

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Cultivar	Objective Ratings - DIA				
	Mowing Height	Cover	Genetic Color	Density	Turf Quality
APR2440	High	6.50	7.33	7.83	7.67
Pop	High	6.17	7.17	7.67	7.50
APR2455	High	6.33	7.00	8.17	7.50
Integra II	High	6.67	7.00	7.33	7.33
Radiance	High	6.67	7.00	7.50	7.33
APR2448	High	6.17	6.83	7.67	7.33
APR2532	High	6.17	7.33	7.67	7.33
APR2438	High	6.17	6.83	7.83	7.33
APR2453	High	6.17	6.67	8.00	7.33
Phenom	High	6.33	6.67	8.00	7.33
APR2463	High	5.83	6.83	8.00	7.33
APR2536	High	6.67	6.83	7.00	7.17
APR2533	High	6.50	7.00	7.00	7.17
APR2535	High	6.67	7.00	7.00	7.17
APR2467	High	6.17	6.83	7.17	7.17
APR2105	High	6.50	6.83	7.17	7.17
APR2154	High	5.83	6.67	7.50	7.17
APR2149	High	6.17	6.50	7.67	7.17
APR2534	High	6.17	6.83	7.67	7.17
APR2465	High	6.00	7.00	7.67	7.17
APR2212	High	6.33	6.17	8.00	7.17
APR2186	High	6.33	6.50	8.17	7.17
APR2436	High	6.50	6.67	6.83	7.00
APR2225	High	6.33	6.67	7.00	7.00
APR2456	High	6.00	6.33	7.33	7.00
APR2439	High	6.17	6.67	7.33	7.00
APR2450	High	6.50	6.33	7.50	7.00
APR2437	High	5.83	6.67	7.83	7.00
APR2280	High	6.00	6.67	7.83	7.00
APR2106	High	6.67	6.50	6.67	6.83
APR2104	High	6.00	6.17	7.00	6.83
APR2452	High	5.67	6.33	7.17	6.83
APR2464	High	6.00	6.50	7.33	6.83
APR2461	High	5.67	6.83	7.33	6.83
APR2454	High	6.00	6.17	7.50	6.83
APR2449	High	5.50	6.33	7.50	6.83
Manhattan II	High	6.33	5.50	8.00	6.83
APR2462	High	6.00	6.67	6.83	6.67
APR2459	High	6.17	6.67	6.83	6.67
APR2198	High	6.17	6.17	7.50	6.67
APR2458	High	5.67	6.33	7.50	6.67
APR2201	High	5.83	6.33	7.50	6.67
APR2466	High	5.67	6.17	6.67	6.50
APR2208	High	5.67	6.00	7.00	6.50
APR2457	High	5.83	6.00	7.00	6.50
APR2447	High	5.67	6.00	7.67	6.50
APR2460	High	5.83	6.33	6.67	6.33
APR2451	High	5.67	5.67	6.83	6.33
CV		5.88	6.48	7.91	6.04
LSD		0.45	0.57	0.74	0.54
MIN. MEAN		4.17	5.33	5.83	5.33
MAX. MEAN		6.67	7.33	8.17	7.67

= Entries in the top statistical group  
 Average Cover = 1-9; 9=Most Cover (3 ratings)  
 Average Genetic Color = 1-9; 9=Darkest (3 ratings)  
 Average Density = 1-9; 9=Most Dense (3 ratings)  
 Average Turf Quality = 1-9; 9=Best (3 ratings)

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Cultivar	Objective Ratings - DIA				
	Mowing Height	Cover	Genetic Color	Density	Turf Quality
APR2104	High	6.00	6.17	7.00	6.83
APR2104	Low	5.33	6.50	6.67	6.33
APR2105	High	6.50	6.83	7.17	7.17
APR2105	Low	6.17	6.83	6.33	6.50
APR2106	High	6.67	6.50	6.67	6.83
APR2106	Low	5.50	5.83	6.17	5.83
APR2149	High	6.17	6.50	7.67	7.17
APR2149	Low	4.67	5.83	6.17	5.67
APR2154	High	5.83	6.67	7.50	7.17
APR2154	Low	5.17	7.00	7.00	6.50
APR2186	High	6.33	6.50	8.17	7.17
APR2186	Low	5.00	6.17	6.50	6.00
APR2198	High	6.17	6.17	7.50	6.67
APR2198	Low	5.00	6.17	6.33	6.17
APR2201	High	5.83	6.33	7.50	6.67
APR2201	Low	4.17	6.00	6.83	5.83
APR2208	High	5.67	6.00	7.00	6.50
APR2208	Low	4.83	6.17	6.50	6.00
APR2212	High	6.33	6.17	8.00	7.17
APR2212	Low	5.50	6.50	6.50	6.33
APR2225	High	6.33	6.67	7.00	7.00
APR2225	Low	5.50	6.83	6.50	6.50
APR2280	High	6.00	6.67	7.83	7.00
APR2280	Low	5.33	6.50	6.83	6.33
APR2436	High	6.50	6.67	6.83	7.00
APR2436	Low	5.50	7.00	7.17	6.67
APR2437	High	5.83	6.67	7.83	7.00
APR2437	Low	5.17	6.67	6.33	6.17
APR2438	High	6.17	6.83	7.83	7.33
APR2438	Low	5.00	6.67	6.50	6.17
APR2439	High	6.17	6.67	7.33	7.00
APR2439	Low	5.17	7.00	6.50	6.33
APR2440	High	6.50	7.33	7.83	7.67
APR2440	Low	5.67	6.83	6.50	6.50
APR2447	High	5.67	6.00	7.67	6.50
APR2447	Low	4.67	6.00	6.67	5.67
APR2448	High	6.17	6.83	7.67	7.33
APR2448	Low	5.00	6.67	6.83	6.33
APR2449	High	5.50	6.33	7.50	6.83
APR2449	Low	5.17	6.33	6.50	6.33
APR2450	High	6.50	6.33	7.50	7.00
APR2450	Low	5.33	6.33	6.50	6.17
APR2451	High	5.67	5.67	6.83	6.33
APR2451	Low	4.50	5.33	5.83	5.33
APR2452	High	5.67	6.33	7.17	6.83
APR2452	Low	4.83	6.17	6.33	5.83
APR2453	High	6.17	6.67	8.00	7.33
APR2453	Low	5.17	6.50	6.67	6.17
APR2454	High	6.00	6.17	7.50	6.83
APR2454	Low	5.00	5.83	6.33	5.83
APR2455	High	6.33	7.00	8.17	7.50
APR2455	Low	5.00	6.50	6.67	6.33
APR2456	High	6.00	6.33	7.33	7.00
APR2456	Low	4.67	6.00	6.33	6.00
APR2457	High	5.83	6.00	7.00	6.50
APR2457	Low	5.17	6.00	6.00	5.83
APR2458	High	5.67	6.33	7.50	6.67
APR2458	Low	5.00	6.67	6.33	6.17
APR2459	High	6.17	6.67	6.83	6.67
APR2459	Low	4.83	6.67	6.17	6.00
APR2460	High	5.83	6.33	6.67	6.33

Cultivar	Objective Ratings - DIA				
	Mowing Height	Cover	Genetic Color	Density	Turf Quality
APR2460	Low	4.67	6.67	5.83	6.00
APR2461	High	5.67	6.83	7.33	6.83
APR2461	Low	5.17	6.83	6.17	6.17
APR2462	High	6.00	6.67	6.83	6.67
APR2462	Low	5.00	6.50	6.33	6.17
APR2463	High	5.83	6.83	8.00	7.33
APR2463	Low	5.17	6.67	6.33	6.17
APR2464	High	6.00	6.50	7.33	6.83
APR2464	Low	4.67	6.50	6.67	6.17
APR2465	High	6.00	7.00	7.67	7.17
APR2465	Low	5.17	6.83	6.33	6.33
APR2466	High	5.67	6.17	6.67	6.50
APR2466	Low	4.67	6.33	6.17	5.83
APR2467	High	6.17	6.83	7.17	7.17
APR2467	Low	5.00	6.50	6.50	6.17
APR2532	High	6.17	7.33	7.67	7.33
APR2532	Low	5.00	7.00	6.50	6.17
APR2533	High	6.50	7.00	7.00	7.17
APR2533	Low	5.00	6.83	6.33	6.17
APR2534	High	6.17	6.83	7.67	7.17
APR2534	Low	5.00	6.67	6.67	6.33
APR2535	High	6.67	7.00	7.00	7.17
APR2535	Low	5.33	6.50	6.17	6.33
APR2536	High	6.67	6.83	7.00	7.17
APR2536	Low	5.50	6.67	6.50	6.50
Integra II	High	6.67	7.00	7.33	7.33
Integra II	Low	5.33	6.67	6.17	6.33
Manhattan II	High	6.33	5.50	8.00	6.83
Manhattan II	Low	5.00	5.50	6.50	5.67
Phenom	High	6.33	6.67	8.00	7.33
Phenom	Low	5.00	6.50	6.17	6.17
Pop	High	6.17	7.17	7.67	7.50
Pop	Low	5.17	6.67	6.17	6.17
Radiance	High	6.67	7.00	7.50	7.33
Radiance	Low	5.50	6.50	6.67	6.50
CV		5.88	6.48	7.91	6.04
LSD		0.45	0.57	0.74	0.54
MIN. MEAN		4.17	5.33	5.83	5.33
MAX. MEAN		6.67	7.33	8.17	7.67

= Entries in the top statistical group  
 Average Cover = 1-9; 9=Most Cover (3 ratings)  
 Average Genetic Color = 1-9; 9=Darkest (3 ratings)  
 Average Density = 1-9; 9=Most Dense (3 ratings)  
 Average Turf Quality = 1-9; 9=Best (3 ratings)