



*Cooperative Turfgrass Breeders Test*



## **2020 Report**

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CTBT: 2018 Trial - 18CTLP5  
 Perennial Ryegrass Turf Trial  
 Location: Urbana, IL  
 Cooperator: Dr. Tom Fermanian

2020 Data

SPONSOR	CULTIVAR	Subjective Data		
		Average Turf Quality 2019	Average Turf Quality 2020	Average Turf Quality 2019-2020
DLFPS	DLFPS-236-3541	6.39	6.24	6.32
DLFPS	DLFPS-236-3543	6.33	6.14	6.24
DLFPS	DLFPS-236-3582	6.28	6.19	6.24
PPG	PPG-PR-438	6.22	6.14	6.18
DLFPS	DLFPS-236-3576	6.28	6.05	6.17
DLFPS	DLFPS-236-3584	6.28	6.00	6.14
PPG	PPG-PR-344	6.28	6.00	6.14
PST	PST-2GDS	6.22	6.05	6.14
PPG	PPG-PR-477	6.33	5.91	6.12
PST	PST-2FLAT	6.22	6.00	6.12
DLFPS	DLFPS-236-3578	6.17	6.05	6.11
PPG	PPG-PR-478	6.06	6.14	6.10
DLFPS	DLFPS-236-3577	6.22	5.95	6.09
PPG	PPG-PR-436	6.22	5.95	6.09
DLFPS	DLFPS-236-3540	6.17	6.00	6.09
DLFPS	DLFPS-236-3546	6.11	6.05	6.08
NTR	APR2719	6.17	5.95	6.06
PPG	PPG-PR-338	6.17	5.95	6.06
PPG	PPG-PR-342	6.11	6.00	6.06
PPG	PPG-PR-376	6.06	6.05	6.05
DLFPS	DLFPS-236-3580	6.17	5.91	6.04
PST	PST-2MKD	6.17	5.90	6.04
PST	SYN 2HAF	6.17	5.91	6.04
SS	SEPR-106	6.11	5.95	6.03
NTR	APR2609	6.05	6.00	6.03
NTR	APR2973	6.05	6.00	6.03
DLFPS	DLFPS-236-3547	6.06	6.00	6.03
PST	PST-214	6.05	6.00	6.03
PST	PST-2BGL	6.06	6.00	6.03
PST	Silver Sport	6.06	6.00	6.03
PST	PST-2SHRP	6.28	5.76	6.02
NAI	NAI-LM3	6.11	5.91	6.01
NTR	APR2685	6.06	5.95	6.01
NTR	APR2237	6.11	5.90	6.01
NAI	Evolution	6.11	5.90	6.01
NTR	APR2612	6.06	5.95	6.01
NTR	APR2616	6.06	5.95	6.01
NTR	APR2946	6.06	5.95	6.01
DLFPS	DLFPS-236-3575	6.11	5.90	6.01
NTR	APR2846	6.00	6.00	6.00
NTR	APR3060	6.00	6.00	6.00
DLFPS	DLFPS-236-3583	6.11	5.86	5.98
PPG	PPG-PR-310	6.06	5.91	5.98
PPG	PPG-PR-434	6.06	5.90	5.98
PST	PST-2BAD	6.06	5.91	5.98
NTR	APR2856	6.00	5.95	5.98
NTR	APR2790	5.94	6.00	5.97
PPG	PPG-PR-471	6.17	5.76	5.97
NAI	NAI-17106	6.11	5.81	5.96
NTR	APR2944	6.06	5.86	5.96
DLFPS	DLFPS-236-3581	6.00	5.91	5.96
PPG	PPG-PR-437	6.00	5.91	5.96
NTR	Soprano	6.00	5.90	5.95
PST	PST-2BET	5.94	5.95	5.95
NTR	APR2848	6.05	5.81	5.94
NTR	APR2977	6.06	5.81	5.94
DLFPS	DLFPS-236-3538	6.06	5.81	5.94

SPONSOR	CULTIVAR	Subjective Data		
		Average Turf Quality 2019	Average Turf Quality 2020	Average Turf Quality 2019-2020
SS	SNX	6.06	5.81	5.94
PPG	PPG-PR-433	5.95	5.90	5.93
NAI	NAI-17409	5.94	5.90	5.92
PST	PST-2MAY	5.94	5.90	5.92
NAI	NAI-17397	6.00	5.81	5.91
DLFPS	DLFPS-236-3579	5.94	5.86	5.90
PPG	PPG-PR-229	5.95	5.86	5.90
PST	PST-2E6	5.72	6.05	5.89
DLFPS	DLFPS-236-3542	6.06	5.71	5.89
PST	PST-2WHB	5.95	5.81	5.88
SS	SEPR-N6	5.94	5.81	5.88
PPG	PPG-PR-432	5.95	5.81	5.88
NTR	APR2462	5.89	5.86	5.87
PPG	PPG-PR-368	5.83	5.91	5.87
NTR	APR2440	6.06	5.67	5.86
NAI	NAI-LM2	6.00	5.72	5.86
NAI	NAI-1422	5.94	5.76	5.85
NTR	APR2753	5.83	5.86	5.85
PPG	PPG-PR-435	5.83	5.86	5.85
PPG	Homerun	5.89	5.76	5.83
PPG	Grandslam GLD	5.89	5.76	5.83
PST	PST-2DRG	5.84	5.81	5.83
NTR	APR2637	5.78	5.86	5.82
PST	Silver Sun	5.78	5.86	5.82
PST	PST-2BD1	5.95	5.67	5.81
NTR	APRT2835	5.89	5.72	5.81
NTR	APR2853	5.83	5.76	5.80
NTR	APR2154	5.72	5.81	5.77
DLFPS	DLFPS-236-3586	5.83	5.67	5.75
NTR	APR2463	5.78	5.72	5.75
PST	New Sealand	5.72	5.76	5.75
SS	Signet	5.72	5.76	5.74
SS	SEPR-2	6.00	5.48	5.74
SS	Shield	5.66	5.81	5.74
NTR	APR2846	5.94	5.52	5.74
DLFPS	DLFPS-236-3024	5.94	5.52	5.74
SS	Haven	5.94	5.52	5.73
SS	SEPR-107	5.72	5.71	5.72
DLFPS	Allstar 3	6.00	5.43	5.72
DLFPS	DLFPS-236-3585	5.83	5.57	5.70
PST	Carly	5.78	5.62	5.70
SS	SEPR-3	5.95	5.43	5.69
NAI	NAI-LD52	5.83	5.52	5.68
NAI	Notable	5.72	5.62	5.67
PPG	PPG-PR-472	5.72	5.62	5.67
SS	Nexus XR	5.83	5.47	5.66
DLFPS	Karma	5.72	5.57	5.65
NAI	Commander ST	5.67	5.62	5.64
SS	Nexus XD	5.89	5.38	5.64
PST	Silverdollar	5.61	5.62	5.62
NTR	APR2617	5.50	5.62	5.56
SS	SEPR-1	5.72	5.38	5.55
NAI	Prosport 4	5.67	5.43	5.55
NAI	Allsport 5	5.45	5.57	5.51
NTR	APR2839	5.33	5.47	5.40
PST	Brightstar SLT	5.61	5.14	5.38
NTR	APR2703	5.39	5.29	5.34
	CV	4.97	4.43	4.08
	LSD (0.05)	0.40	0.35	0.32

2019 Average Turf Quality = 1-9; 9 = Best (6 ratings)  
 2020 Average Turf Quality = 1-9; 9 = Best (7 ratings)  
 2019-2020 Average Turf Quality = 1-9; 9 = Best (13 ratings)

CTBT: 2018 Trial - 18CTLP20  
 Perennial Ryegrass Turf Trial  
 Location: West Lafayette, IN  
 Cooperator: Dr. Cale Bigelow

2020 Data

SPONSOR	CULTIVAR	Subjective Data				
		Average Turf Quality 2019	Density 2020	Genetic Color 2020	Average Turf Quality 2020	Average Turf Quality 2019-2020
DLFPS	DLFPS-236-3575	5.89	7.00	7.00	6.38	6.14
PPG	PPG-PR-310	5.45	7.33	7.67	6.72	6.08
PPG	PPG-PR-438	6.16	6.33	7.00	5.91	6.04
DLFPS	Allstar 3	5.39	6.83	7.00	6.57	5.98
DLFPS	DLFPS-236-3579	5.61	6.17	7.33	6.29	5.95
DLFPS	DLFPS-236-3582	5.94	6.17	7.67	5.95	5.95
NTR	APR2856	5.50	6.50	7.33	6.38	5.94
PST	PST-2WHB	5.83	6.17	6.67	6.00	5.92
NTR	APR2848	6.05	6.83	7.33	5.72	5.89
NTR	APR2846	5.78	6.00	7.00	5.67	5.88
NTR	Soprano	5.28	7.00	6.67	6.47	5.88
NTR	APR2609	6.00	5.83	6.33	5.72	5.86
DLFPS	DLFPS-236-3546	5.72	5.83	7.00	6.00	5.86
DLFPS	DLFPS-236-3542	5.67	5.83	6.00	6.05	5.86
NTR	APR2617	5.84	6.00	6.33	5.86	5.85
PST	PST-2BD1	5.83	6.00	7.33	5.86	5.85
SS	Shield	5.61	6.50	6.67	6.05	5.83
DLFPS	DLFPS-236-3541	5.39	6.50	6.67	6.24	5.81
DLFPS	DLFPS-236-3581	5.50	6.17	6.67	6.10	5.80
NTR	APR2846	5.72	6.83	6.67	6.14	5.78
PST	PST-2MAY	5.67	6.50	7.00	5.86	5.77
PPG	PPG-PR-229	5.67	5.67	7.00	5.86	5.76
PPG	PPG-PR-478	5.55	6.17	7.00	5.95	5.76
NTR	APR2977	5.89	5.83	7.00	5.62	5.76
PPG	PPG-PR-434	5.50	6.67	6.67	6.00	5.75
DLFPS	DLFPS-236-3024	6.00	5.67	6.67	5.48	5.74
PST	PST-2BGL	5.61	6.17	7.00	5.86	5.74
PST	Silver Sun	5.61	5.50	6.67	5.86	5.74
PPG	PPG-PR-472	5.33	6.33	6.33	6.10	5.72
NTR	APR2719	5.39	6.50	6.33	6.00	5.70
PST	PST-2MKD	5.33	6.33	6.67	6.05	5.69
NTR	APR2853	5.45	5.83	7.33	5.90	5.68
DLFPS	DLFPS-236-3580	5.39	6.67	7.00	5.95	5.67
PST	PST-2GDS	5.55	6.33	7.67	5.76	5.66
PPG	PPG-PR-436	5.83	5.67	6.33	5.48	5.66
SS	SEPR-N6	5.17	6.00	7.33	6.14	5.66
NAI	NAI-17397	5.44	5.67	7.33	5.86	5.65
PST	PST-214	5.33	5.83	7.00	5.95	5.65
PPG	PPG-PR-477	5.61	5.67	6.67	5.67	5.64
PST	PST-2FLAT	5.55	5.67	7.33	5.71	5.64

CTBT: 2018 Trial - 18CTLP20  
 Perennial Ryegrass Turf Trial  
 Location: West Lafayette, IN  
 Cooperator: Dr. Cale Bigelow

2020 Data

SPONSOR	CULTIVAR	Subjective Data				
		Average Turf Quality 2019	Density 2020	Genetic Color 2020	Average Turf Quality 2020	Average Turf Quality 2019-2020
NTR	APR2703	5.67	5.17	6.00	5.57	5.62
PPG	PPG-PR-437	5.56	5.83	6.67	5.67	5.61
PPG	Grandslam GLD	5.39	6.17	5.67	5.81	5.60
DLFPS	DLFPS-236-3540	5.61	5.67	6.33	5.57	5.59
DLFPS	DLFPS-236-3583	5.61	5.67	7.33	5.57	5.59
NAI	Allsport 5	4.94	6.50	6.33	6.19	5.57
PPG	Homerun	5.28	6.00	6.67	5.86	5.57
PPG	PPG-PR-376	5.28	6.67	6.33	5.86	5.57
DLFPS	DLFPS-236-3543	5.94	5.83	6.33	5.19	5.57
PPG	PPG-PR-471	5.50	6.00	6.33	5.62	5.56
PPG	PPG-PR-368	5.45	6.33	7.00	5.67	5.56
PST	PST-2BAD	5.78	5.67	7.00	5.33	5.56
PST	SYN 2HAF	5.72	6.00	6.00	5.38	5.55
NTR	APR2462	5.22	6.33	6.33	5.86	5.55
DLFPS	DLFPS-236-3577	5.61	5.17	6.00	5.48	5.55
NAI	NAI-17106	5.56	5.83	7.00	5.52	5.54
NTR	APR2685	5.28	5.50	6.67	5.81	5.54
NTR	APR2616	5.17	6.17	7.33	5.91	5.54
PPG	PPG-PR-433	5.33	5.67	6.67	5.67	5.50
NTR	APR2463	5.33	6.00	6.67	5.66	5.50
NTR	APR3060	5.28	5.83	6.67	5.71	5.50
NTR	APR2612	5.11	6.17	7.00	5.86	5.49
NTR	APR2753	5.56	5.33	7.00	5.38	5.47
PPG	PPG-PR-435	5.61	5.50	7.33	5.33	5.47
SS	SEPR-107	5.17	5.83	7.00	5.76	5.47
DLFPS	DLFPS-236-3584	5.44	6.00	6.67	5.47	5.46
NTR	APR2154	5.39	5.83	7.67	5.52	5.46
NAI	NAI-LM2	5.00	6.50	7.00	5.91	5.45
DLFPS	DLFPS-236-3576	5.50	6.00	7.00	5.38	5.44
SS	Signet	5.39	5.67	6.67	5.48	5.44
PPG	PPG-PR-342	5.67	5.17	6.33	5.19	5.43
NAI	NAI-LM3	5.11	5.83	7.00	5.71	5.42
NTR	APR2237	5.11	6.00	7.33	5.71	5.41
PPG	PPG-PR-432	5.11	5.50	7.67	5.71	5.41
NAI	Prosport 4	4.61	6.33	7.00	6.19	5.40
SS	SNX	5.16	6.00	6.00	5.62	5.39
NTR	APR2946	5.33	5.67	6.33	5.43	5.38
DLFPS	DLFPS-236-3547	5.61	5.83	5.67	5.14	5.38
DLFPS	DLFPS-236-3578	5.50	5.50	7.00	5.24	5.37
PPG	PPG-PR-338	5.39	5.50	7.33	5.33	5.36

CTBT: 2018 Trial - 18CTLP20  
 Perennial Ryegrass Turf Trial  
 Location: West Lafayette, IN  
 Cooperator: Dr. Cale Bigelow

2020 Data

SPONSOR	CULTIVAR	Subjective Data				
		Average Turf Quality 2019	Density 2020	Genetic Color 2020	Average Turf Quality 2020	Average Turf Quality 2019-2020
PST	Silver Sport	5.00	5.50	6.00	5.71	5.36
PPG	PPG-PR-344	5.33	5.17	7.00	5.38	5.36
NTR	APR2440	5.28	5.67	6.67	5.38	5.33
SS	SEPR-1	4.78	6.17	6.67	5.86	5.32
NAI	Commander ST	4.72	6.17	7.33	5.91	5.32
DLFPS	DLFPS-236-3538	5.33	5.67	6.33	5.29	5.31
DLFPS	DLFPS-236-3586	5.00	6.17	6.33	5.62	5.31
PST	PST-2E6	5.00	6.00	6.00	5.62	5.31
PST	PST-2DRG	4.94	6.33	6.67	5.66	5.31
PST	PST-2SHRP	4.61	5.83	7.00	6.00	5.31
NTR	APR2944	5.11	6.00	6.67	5.48	5.30
SS	Nexus XR	4.72	6.33	6.67	5.85	5.29
PST	Brightstar SLT	4.83	6.17	7.00	5.71	5.27
NTR	APR2790	5.00	5.67	6.00	5.52	5.26
NTR	APR2973	5.44	5.00	7.00	5.05	5.25
NAI	NAI-17409	4.89	5.67	6.67	5.57	5.23
PST	PST-2BET	4.84	6.00	6.00	5.62	5.23
SS	Haven	4.45	6.67	6.33	6.00	5.23
NAI	Evolution	5.05	5.67	6.67	5.28	5.17
NTR	APRT2835	4.39	6.00	6.67	5.95	5.17
PST	Silverdollar	4.67	5.83	6.33	5.67	5.17
PST	New Sealand	4.67	6.00	6.67	5.67	5.17
NAI	Notable	4.44	6.00	6.67	5.81	5.13
NAI	NAI-LD52	4.72	5.67	6.33	5.53	5.13
NAI	NAI-1422	4.89	5.67	6.33	5.33	5.11
SS	SEPR-3	4.72	5.83	7.33	5.48	5.10
SS	SEPR-2	4.67	6.00	6.33	5.48	5.08
NTR	APR2637	4.89	5.50	6.00	5.24	5.07
PST	Carly	4.45	5.83	7.00	5.67	5.06
NTR	APR2839	4.67	5.33	6.33	5.43	5.05
DLFPS	Karma	5.00	5.83	7.33	5.10	5.05
SS	SEPR-106	4.78	5.67	6.67	5.29	5.04
DLFPS	DLFPS-236-3585	4.67	5.83	7.00	5.24	4.95
SS	Nexus XD	4.72	5.33	7.67	5.05	4.89
	CV	7.07	13.70	11.69	10.87	6.51
	LSD	0.51	1.10	1.07	0.84	0.48

2019 Average Turf Quality = 1-9; 9 = Best (5 ratings)  
 2020 Average Turf Quality = 1-9; 9 = Best (7 ratings)  
 2019-2020 Average Turf Quality = 1-9; 9 = Best (13 ratings)  
 2020 Density = 1-9; 9 = Best (2 ratings)  
 2020 Genetic Color = 1-9; 9 = Best (1 ratings)

CTBT: 2018 Trial - 18CTLP23  
 Perennial Ryegrass Turf Trial  
 Location: Lexington, KY  
 Cooperator: Dr. Kenneth Cropper

2020 Data

SPONSOR	CULTIVAR	Subjective Data			
		Average Turf Quality 2019	Average Turf Quality 2020	Red Thread 2020	Average Turf Quality 2019-2020
DLFPS	DLFPS-236-3579	6.26	7.25	7.33	6.76
PST	PST-214	6.15	7.17	8.67	6.66
DLFPS	DLFPS-236-3575	6.22	7.09	7.00	6.65
PPG	PPG-PR-477	6.07	7.13	8.33	6.60
DLFPS	DLFPS-236-3547	6.11	7.09	8.00	6.60
PPG	PPG-PR-310	6.07	7.08	7.00	6.58
DLFPS	DLFPS-236-3546	6.15	7.00	8.00	6.58
PST	PST-2GDS	5.89	7.25	7.33	6.57
PPG	PPG-PR-436	5.85	7.25	8.00	6.56
DLFPS	DLFPS-236-3583	6.07	7.00	8.00	6.54
NTR	APR2848	6.11	6.96	7.67	6.54
PPG	PPG-PR-472	5.93	7.13	7.67	6.53
NAI	NAI-LM2	6.07	6.96	7.67	6.52
DLFPS	DLFPS-236-3582	6.11	6.92	8.00	6.52
SS	Shield	6.04	7.00	7.67	6.52
NTR	APR2609	6.04	6.96	7.67	6.50
DLFPS	DLFPS-236-3577	5.96	7.04	8.00	6.50
PPG	PPG-PR-344	5.89	7.08	7.33	6.49
DLFPS	DLFPS-236-3543	6.00	6.96	8.00	6.48
PST	Silver Sport	6.11	6.83	8.00	6.48
DLFPS	DLFPS-236-3580	5.82	7.13	8.33	6.47
DLFPS	DLFPS-236-3581	5.85	7.09	8.00	6.47
DLFPS	DLFPS-236-3541	5.89	7.04	7.67	6.47
PST	PST-2BAD	6.00	6.92	7.67	6.46
PST	SYN 2HAF	5.96	6.96	8.00	6.46
PPG	PPG-PR-471	6.04	6.88	8.00	6.46
PPG	PPG-PR-438	5.85	7.05	7.67	6.45
PPG	PPG-PR-433	5.89	7.00	8.33	6.45
PST	PST-2FLAT	5.89	7.00	6.67	6.45
PST	PST-2WHB	5.85	7.04	8.00	6.45
DLFPS	DLFPS-236-3578	5.93	6.96	8.00	6.45
PPG	PPG-PR-437	5.96	6.92	7.67	6.45
PPG	PPG-PR-478	5.82	7.05	7.67	6.44
DLFPS	DLFPS-236-3540	5.96	6.88	8.00	6.42
PPG	PPG-PR-229	6.00	6.84	7.00	6.42
PPG	Grandslam GLD	5.82	7.00	7.67	6.41
PST	PST-2MKD	5.89	6.92	7.67	6.41
DLFPS	DLFPS-236-3584	5.93	6.88	7.00	6.40
PPG	PPG-PR-342	6.04	6.75	8.00	6.40
PPG	PPG-PR-368	6.04	6.75	8.33	6.40
NTR	APR2154	5.89	6.88	7.33	6.39
DLFPS	Allstar 3	5.93	6.84	7.67	6.39
PST	PST-2BGL	5.89	6.88	8.33	6.39
SS	SNX	5.85	6.92	7.67	6.39
PST	PST-2DRG	5.89	6.80	8.33	6.35
NTR	APR2856	5.96	6.71	8.00	6.34
NTR	APR3060	5.85	6.79	8.33	6.33
NTR	Soprano	5.70	6.92	7.67	6.31
PPG	PPG-PR-434	5.89	6.71	7.67	6.30
DLFPS	DLFPS-236-3542	5.71	6.88	7.33	6.29
NAI	NAI-LM3	5.78	6.79	8.33	6.29
DLFPS	DLFPS-236-3538	5.89	6.67	7.67	6.28
NAI	NAI-LD52	5.85	6.71	7.00	6.28
NTR	APR2463	5.59	6.96	7.67	6.28
PPG	PPG-PR-432	5.93	6.63	7.00	6.28
PST	PST-2MAY	5.70	6.84	7.67	6.27
DLFPS	DLFPS-236-3576	5.82	6.71	7.00	6.27

SPONSOR	CULTIVAR	Subjective Data			
		Average Turf Quality 2019	Average Turf Quality 2020	Red Thread 2020	Average Turf Quality 2019-2020
PPG	PPG-PR-435	5.85	6.67	7.67	6.26
SS	SEPR-N6	5.85	6.67	7.33	6.26
SS	Signet	5.71	6.79	7.67	6.25
NTR	APR2719	5.71	6.79	7.67	6.25
NTR	APR2703	5.89	6.59	7.33	6.24
NAI	NAI-17106	5.78	6.67	7.67	6.23
SS	Nexus XR	5.85	6.59	7.33	6.22
NTR	APR2853	5.74	6.67	7.67	6.21
NTR	APR2946	5.78	6.63	7.33	6.21
NTR	APR2685	5.82	6.59	7.67	6.20
NTR	APR2973	5.82	6.59	7.33	6.20
NTR	APR2977	5.82	6.59	7.00	6.20
PPG	Homerun	5.63	6.75	7.00	6.19
PST	PST-2BD1	6.00	6.38	7.67	6.19
PPG	PPG-PR-338	5.44	6.92	9.00	6.18
NAI	Evolution	5.59	6.75	7.67	6.17
NTR	APR2616	5.63	6.59	8.00	6.11
PPG	PPG-PR-376	5.55	6.67	7.00	6.11
DLFPS	DLFPS-236-3585	5.63	6.58	7.33	6.11
PST	PST-2E6	5.67	6.54	7.33	6.11
SS	SEPR-107	5.71	6.50	8.33	6.11
NTR	APR2612	5.52	6.67	7.67	6.10
NTR	APRT2835	5.52	6.63	8.00	6.08
SS	SEPR-1	5.74	6.38	7.67	6.06
NTR	APR2462	5.56	6.54	6.67	6.05
NTR	APR2944	5.74	6.34	7.67	6.04
DLFPS	DLFPS-236-3586	5.48	6.59	6.67	6.04
NTR	APR2846	5.48	6.59	8.67	6.04
SS	SEPR-106	5.74	6.29	5.67	6.02
NTR	APR2637	5.44	6.58	7.67	6.02
NTR	APR2839	5.44	6.59	6.67	6.02
NTR	APR2440	5.48	6.50	7.33	5.99
NAI	NAI-1422	5.52	6.46	7.00	5.99
NTR	APR2237	5.55	6.42	7.33	5.99
DLFPS	DLFPS-236-3024	5.56	6.42	6.67	5.99
PST	New Sealand	5.63	6.34	7.00	5.99
PST	Silverdollar	5.48	6.46	7.33	5.97
NTR	APR2790	5.52	6.38	7.33	5.95
NAI	Notable	5.60	6.30	7.00	5.95
SS	SEPR-3	5.37	6.50	7.00	5.94
SS	Haven	5.40	6.46	7.67	5.93
PST	PST-2SHRP	5.48	6.38	6.67	5.93
PST	Silver Sun	5.52	6.33	7.33	5.93
NTR	APR2846	5.41	6.38	6.00	5.89
NTR	APR2753	5.48	6.29	7.33	5.89
NAI	NAI-17397	5.48	6.30	7.00	5.89
PST	PST-2BET	5.37	6.38	7.33	5.88
PST	Carly	5.37	6.38	7.00	5.87
NTR	APR2617	5.33	6.38	7.67	5.86
NAI	Allsport 5	5.22	6.38	6.67	5.80
NAI	Prosport 4	5.26	6.34	7.00	5.80
NAI	NAI-17409	5.30	6.29	7.67	5.80
SS	Nexus XD	5.33	6.25	7.00	5.80
PST	Brightstar SLT	5.26	6.25	6.33	5.76
NAI	Commander ST	5.26	6.13	7.33	5.70
SS	SEPR-2	5.33	6.00	7.67	5.67
DLFPS	Karma	4.71	5.79	7.33	5.25
CV		3.77	4.02	11.94	3.16
LSD		0.29	0.36	1.21	0.27

2019 Average Turf Quality = 1-9; 9 = Best (8 ratings)  
 2020 Average Turf Quality = 1-9; 9 = Best (8 ratings)  
 2019-2020 Average Turf Quality = 1-9; 9 = Best (16 ratings)  
 2020 Red Thread = 1-9; 9 = Best (1 Rating)

CTBT: 2018 Trial - 18CTLP16  
 Perennial Ryegrass Turf Trial  
 Location: St. Paul, MN  
 Cooperator: Dr. Eric Watkins

2020 Data

SPONSOR	CULTIVAR	Subjective Data				
		Average Turf Quality 2019	Brown Patch 2020	Snow Mold 2020	Average Turf Quality 2020	Average Turf Quality 2019-2020
DLFPS	DLFPS-236-3541	5.75	4.50	6.00	6.10	5.93
DLFPS	DLFPS-236-3575	5.75	6.50	5.00	5.70	5.73
PPG	PPG-PR-436	5.59	6.00	5.50	5.80	5.70
NAI	NAI-LM2	5.75	5.00	6.00	5.60	5.68
PPG	PPG-PR-434	5.50	6.00	7.00	5.70	5.60
PST	SYN 2HAF	5.67	4.50	5.50	5.40	5.54
PPG	PPG-PR-376	5.34	6.00	4.50	5.70	5.52
DLFPS	Allstar 3	5.50	5.00	5.50	5.50	5.51
DLFPS	DLFPS-236-3540	5.50	5.50	5.00	5.50	5.51
PPG	PPG-PR-435	5.67	6.00	6.50	5.30	5.49
PPG	Grandslam GLD	5.25	6.00	5.00	5.70	5.48
PPG	PPG-PR-438	5.92	4.00	4.00	5.00	5.46
NAI	NAI-17106	5.17	5.00	5.00	5.60	5.39
SS	Shield	5.67	5.50	6.00	5.10	5.39
DLFPS	DLFPS-236-3578	5.25	6.00	4.50	5.50	5.38
PPG	PPG-PR-310	5.50	5.00	3.50	5.20	5.36
NTR	APR2616	5.09	5.00	6.00	5.60	5.35
DLFPS	DLFPS-236-3580	5.25	5.50	5.50	5.40	5.33
PST	PST-2BD1	5.34	4.50	5.50	5.30	5.32
DLFPS	DLFPS-236-3583	5.17	5.00	6.50	5.40	5.29
PPG	PPG-PR-437	5.75	5.00	4.00	4.80	5.28
NTR	APR3060	4.75	6.00	7.00	5.80	5.28
PST	PST-2BGL	5.00	6.50	5.00	5.50	5.26
PPG	PPG-PR-229	5.00	5.50	5.00	5.50	5.25
NTR	APR2154	5.25	4.50	4.50	5.20	5.23
PPG	PPG-PR-368	5.33	5.00	4.50	5.10	5.22
DLFPS	DLFPS-236-3546	5.67	5.00	5.00	4.70	5.19
PPG	PPG-PR-433	5.33	5.00	5.00	5.00	5.17
NTR	APR2685	4.92	5.00	6.00	5.40	5.16
NTR	APR2846	4.67	5.00	6.50	5.60	5.14
DLFPS	DLFPS-236-3579	5.00	5.50	5.00	5.20	5.11
PST	PST-2WHB	5.00	5.50	6.00	5.20	5.11
NTR	APR2946	5.08	5.50	6.00	5.10	5.10
PST	PST-2MKD	4.75	5.00	5.50	5.40	5.08
SS	Nexus XR	4.83	4.50	6.50	5.30	5.07
NTR	APR2977	5.00	5.00	5.50	5.10	5.05
SS	SEPR-106	5.09	5.50	6.50	5.00	5.05
PPG	PPG-PR-472	4.67	5.50	5.50	5.40	5.04
PPG	PPG-PR-477	4.67	5.50	6.00	5.40	5.04
PPG	Homerun	4.67	5.00	7.00	5.30	4.99
PPG	PPG-PR-471	4.67	5.00	4.50	5.30	4.99
PST	PST-2E6	4.67	6.50	6.00	5.30	4.99



CTBT: 2018 Trial - 18CTLP16  
 Perennial Ryegrass Turf Trial  
 Location: St. Paul, MN  
 Cooperator: Dr. Eric Watkins

2020 Data

SPONSOR	CULTIVAR	Subjective Data				Average Turf Quality 2019-2020
		Average Turf Quality 2019	Brown Patch 2020	Snow Mold 2020	Average Turf Quality 2020	
NTR	APR2612	5.25	5.50	4.00	4.70	4.98
PST	PST-2FLAT	5.25	5.00	4.50	4.70	4.98
NTR	APR2463	4.84	5.50	4.00	5.10	4.97
DLFPS	DLFPS-236-3582	4.92	5.00	5.00	5.00	4.96
NTR	APR2848	4.42	5.00	6.00	5.40	4.91
DLFPS	DLFPS-236-3538	4.92	4.00	4.50	4.90	4.91
PST	Silver Sun	4.92	5.50	6.50	4.90	4.91
DLFPS	DLFPS-236-3543	5.08	5.50	4.50	4.70	4.90
DLFPS	DLFPS-236-3547	4.75	6.00	5.00	5.00	4.88
PST	PST-2GDS	5.25	5.50	4.00	4.50	4.88
NTR	APR2944	4.33	6.00	6.50	5.40	4.87
NAI	NAI-1422	4.83	4.50	5.50	4.90	4.87
SS	SEPR-3	4.84	4.00	6.00	4.90	4.87
PST	PST-2BET	4.50	4.00	5.00	5.20	4.85
PPG	PPG-PR-432	4.67	5.00	5.50	5.00	4.84
NTR	APR2719	4.75	6.50	5.50	4.90	4.83
NTR	APR2440	4.33	6.00	6.00	5.30	4.82
NAI	NAI-LM3	4.50	5.50	6.50	5.10	4.81
SS	Signet	4.50	6.00	5.00	5.10	4.80
NTR	APR2637	4.67	4.50	5.50	4.90	4.79
PST	PST-2BAD	4.75	6.50	4.50	4.80	4.78
SS	SNX	4.34	5.50	6.50	5.20	4.77
DLFPS	DLFPS-236-3024	3.92	7.00	6.50	5.60	4.76
NAI	NAI-17397	5.00	6.00	5.00	4.50	4.76
PST	PST-2MAY	5.00	4.50	4.50	4.50	4.76
PPG	PPG-PR-344	4.58	4.00	5.50	4.90	4.75
NTR	Soprano	4.58	4.00	7.00	4.90	4.75
DLFPS	DLFPS-236-3584	4.67	6.00	5.50	4.80	4.74
SS	SEPR-107	4.50	4.00	6.50	4.90	4.70
PST	Brightstar SLT	4.59	4.00	7.00	4.80	4.70
DLFPS	DLFPS-236-3585	4.58	4.00	7.50	4.80	4.70
SS	SEPR-2	4.59	4.50	6.50	4.80	4.70
NTR	APR2846	4.17	4.00	6.50	5.20	4.69
NTR	APR2462	4.17	5.50	6.00	5.20	4.69
PPG	PPG-PR-342	4.84	5.00	4.50	4.50	4.67
NTR	APR2703	4.42	6.50	6.00	4.90	4.66
DLFPS	DLFPS-236-3581	4.50	5.00	4.50	4.80	4.66
DLFPS	DLFPS-236-3542	4.58	3.00	6.00	4.70	4.65
SS	SEPR-N6	4.50	3.50	7.50	4.70	4.60
NTR	APR2973	4.59	6.50	4.50	4.60	4.60
NAI	NAI-LD52	4.59	3.00	6.00	4.60	4.60
PST	PST-2DRG	4.33	5.00	6.50	4.80	4.57

CTBT: 2018 Trial - 18CTLP16  
 Perennial Ryegrass Turf Trial  
 Location: St. Paul, MN  
 Cooperator: Dr. Eric Watkins

2020 Data

SPONSOR	CULTIVAR	Subjective Data				Average Turf Quality 2019-2020
		Average Turf Quality 2019	Brown Patch 2020	Snow Mold 2020	Average Turf Quality 2020	
NTR	APR2853	4.67	6.00	3.50	4.40	4.54
NTR	APR2609	4.25	5.00	5.50	4.80	4.53
NTR	APR2617	4.34	6.00	5.00	4.70	4.52
PPG	PPG-PR-478	4.33	6.50	3.50	4.70	4.52
SS	SEPR-1	5.00	4.00	4.50	4.00	4.51
NTR	APR2856	4.09	5.50	5.00	4.90	4.50
NTR	APR2839	4.83	4.50	2.50	4.10	4.47
SS	Nexus XD	4.00	5.50	7.50	4.90	4.45
PST	PST-2SHRP	4.34	4.50	5.00	4.50	4.42
PPG	PPG-PR-338	4.09	3.50	4.50	4.60	4.35
NAI	Allsport 5	4.17	5.50	4.00	4.50	4.34
DLFPS	DLFPS-236-3586	4.17	5.50	5.00	4.50	4.34
NTR	APR2237	4.17	4.50	6.00	4.30	4.24
NAI	Evolution	3.84	4.00	5.50	4.60	4.22
PST	PST-214	3.92	4.50	5.50	4.50	4.22
DLFPS	DLFPS-236-3576	4.17	5.00	4.50	4.20	4.19
PST	Carly	3.83	4.50	7.00	4.50	4.17
SS	Haven	3.92	4.00	7.00	4.40	4.17
PST	New Sealand	3.92	4.00	7.50	4.30	4.11
DLFPS	DLFPS-236-3577	3.92	5.50	5.00	3.90	3.91
PST	Silver Sport	3.58	5.50	6.50	4.00	3.80
NAI	Notable	3.59	4.50	5.50	3.70	3.65
PST	Silverdollar	3.50	4.50	7.50	3.70	3.61
NAI	Prosport 4	3.25	5.50	7.00	3.80	3.53
DLFPS	Karma	3.25	4.50	4.00	3.70	3.48
NTR	APR2753	2.75	5.00	4.00	3.60	3.18
NAI	Commander ST	3.00	5.00	5.50	3.10	3.06
NTR	APR2790	2.59	4.50	5.50	3.50	3.05
NTR	APRT2835	2.84	7.00	8.00	3.20	3.02
NAI	NAI-17409	1.92	7.00	2.00	2.70	2.31
	<b>CV</b>	17.42	20.88	17.24	13.97	14.55
	<b>LSD</b>	1.34	1.78	1.57	1.13	1.15

2019 Average Turf Quality = 1-9; 9 = Best (6 ratings)  
 2020 Brown Patch = 1-9; 9 = Best (1 rating)  
 2020 Snow Mold = 1-9; 9 = Best (1 rating)  
 2020 Average Turf Quality = 1-9; 9 = Best (5 ratings)  
 2019-2020 Average Turf Quality = 1-9; 9 = Best (11 ratings)

CTBT: 2018 Trial - 18CTLP1  
 Perennial Ryegrass Turf Trial  
 Location: Freehold, NJ  
 Cooperator: Dr. William Meyer

2020 Data

SPONSOR	CULTIVAR	Subjective Data					Average Turf Quality 2019-2020
		Stems 2019	Dollar Spot 2019	Average Turf Quality 2019	Stems 2020	Average Turf Quality 2020	
PPG	PPG-PR-478	5.67	5.00	6.38	6.33	6.61	6.50
PPG	PPG-PR-438	5.00	6.33	6.38	6.00	6.17	6.28
PPG	PPG-PR-436	6.33	6.67	6.24	7.67	6.22	6.23
DLFPS	DLFPS-236-3546	6.33	4.33	5.86	6.33	6.44	6.15
DLFPS	DLFPS-236-3582	4.67	5.67	6.09	4.67	5.78	5.94
PPG	PPG-PR-437	5.67	5.00	6.10	7.00	5.67	5.88
DLFPS	DLFPS-236-3547	7.00	5.00	6.24	6.33	5.50	5.87
PST	PST-214	5.67	6.00	6.00	5.67	5.72	5.87
PPG	PPG-PR-477	5.33	4.33	5.72	7.00	5.94	5.83
PPG	PPG-PR-344	4.00	4.67	5.95	6.33	5.61	5.78
PPG	PPG-PR-342	5.67	5.00	5.95	6.00	5.55	5.75
PPG	PPG-PR-229	6.00	5.00	5.96	6.67	5.50	5.73
DLFPS	DLFPS-236-3581	5.33	5.00	5.81	5.67	5.45	5.63
PPG	PPG-PR-338	5.00	6.00	5.71	4.67	5.39	5.55
PPG	PPG-PR-435	6.00	4.67	5.62	6.33	5.44	5.54
DLFPS	DLFPS-236-3541	7.33	5.00	5.57	8.00	5.44	5.51
DLFPS	DLFPS-236-3543	5.67	5.00	5.52	6.00	5.39	5.46
DLFPS	DLFPS-236-3579	4.33	5.33	5.33	5.67	5.55	5.45
DLFPS	DLFPS-236-3542	6.67	4.33	5.76	6.00	5.06	5.41
DLFPS	DLFPS-236-3575	5.00	5.00	5.52	6.67	5.28	5.40
PPG	PPG-PR-310	5.00	4.67	5.85	6.00	4.94	5.40
PST	PST-2BD1	5.67	5.33	5.24	5.67	5.33	5.29
PST	Silver Sport	4.00	5.67	5.52	3.00	5.00	5.26
DLFPS	DLFPS-236-3578	4.00	5.00	5.43	5.00	5.06	5.25
SS	Signet	6.67	5.33	5.48	5.00	5.00	5.24
DLFPS	DLFPS-236-3577	5.67	5.00	5.48	6.33	4.83	5.16
PST	PST-2BAD	5.00	5.00	5.24	4.67	5.05	5.15
PPG	PPG-PR-376	4.67	4.00	5.38	4.00	4.89	5.14
PPG	PPG-PR-432	4.33	4.33	5.24	3.33	5.00	5.12
DLFPS	DLFPS-236-3583	5.00	4.33	5.19	6.33	5.00	5.10
DLFPS	DLFPS-236-3576	6.00	4.67	5.29	6.33	4.89	5.09
DLFPS	DLFPS-236-3584	6.33	4.67	5.38	6.00	4.78	5.08
PST	PST-2GDS	4.33	3.67	5.09	4.67	5.05	5.08
DLFPS	DLFPS-236-3538	5.00	4.67	5.24	5.67	4.83	5.04
NTR	APR2685	4.67	3.67	5.14	6.33	4.89	5.02
SS	Shield	3.00	4.67	5.33	3.33	4.67	5.01
NTR	APR2848	6.00	5.33	4.67	7.00	5.17	4.92
PST	PST-2E6	3.00	4.00	4.90	2.67	4.78	4.84
NTR	APR2790	3.00	6.00	4.57	4.67	5.05	4.81
DLFPS	Allstar 3	5.67	4.00	5.10	4.67	4.50	4.80
PPG	PPG-PR-471	5.00	4.67	5.00	5.33	4.56	4.78
PPG	PPG-PR-434	3.33	4.33	5.33	4.33	4.22	4.78
NTR	APR2973	5.67	3.00	4.86	7.00	4.67	4.77
PST	PST-2FLAT	5.67	4.33	4.86	6.33	4.67	4.76
NAI	NAI-LM2	3.00	5.33	4.95	3.00	4.56	4.76
DLFPS	DLFPS-236-3540	5.67	4.00	4.86	4.33	4.56	4.71

CTBT: 2018 Trial - 18CTLP1  
 Perennial Ryegrass Turf Trial  
 Location: Freehold, NJ  
 Cooperator: Dr. William Meyer

2020 Data

SPONSOR	CULTIVAR	Subjective Data					Average Turf Quality 2019-2020
		Stems 2019	Dollar Spot 2019	Average Turf Quality 2019	Stems 2020	Average Turf Quality 2020	
NTR	APR2946	4.67	4.00	4.57	4.67	4.78	4.68
PPG	PPG-PR-433	5.33	3.00	5.05	2.67	4.28	4.67
NAI	Evolution	2.67	4.33	4.90	3.00	4.39	4.65
PST	SYN 2HAF	4.67	4.33	4.76	3.67	4.50	4.63
DLFPS	DLFPS-236-3586	5.00	3.67	4.91	5.00	4.28	4.60
NTR	APR2856	4.00	5.33	4.76	4.00	4.39	4.58
SS	SEPR-107	4.00	3.00	4.62	3.33	4.50	4.56
NAI	NAI-17397	3.00	4.67	4.67	1.33	4.33	4.50
PPG	PPG-PR-368	3.67	4.67	5.05	3.00	3.94	4.50
NTR	APR2753	5.00	4.67	4.62	3.67	4.28	4.45
DLFPS	Karma	3.00	3.67	4.62	3.67	4.22	4.42
NTR	APR2609	4.33	3.67	5.00	3.00	3.83	4.42
PPG	Grandslam GLD	5.33	2.67	4.38	5.67	4.44	4.42
PST	PST-2BGL	4.00	4.00	4.71	3.33	4.33	4.39
PST	PST-2MAY	5.00	2.67	4.43	3.00	4.05	4.39
SS	SEPR-106	4.33	3.33	4.71	2.67	4.05	4.38
NTR	APR2154	4.33	2.67	4.43	3.00	4.28	4.35
NAI	NAI-17409	2.67	4.33	4.57	4.33	4.11	4.34
NTR	APR2612	4.33	3.33	4.38	4.00	4.28	4.33
NTR	APR2616	5.00	4.00	4.52	4.33	4.06	4.29
NTR	APR2944	4.00	3.67	4.43	3.67	4.11	4.27
DLFPS	DLFPS-236-3580	4.33	3.00	4.19	4.00	4.33	4.26
NAI	NAI-LD52	2.67	1.67	4.10	2.33	4.39	4.25
NTR	APR2703	3.33	2.67	4.43	2.33	4.06	4.24
PST	PST-2DRG	3.00	3.33	4.48	2.67	3.94	4.21
PST	PST-2BET	3.00	2.67	4.57	2.33	3.83	4.20
NAI	NAI-LM3	3.00	3.67	4.14	4.33	4.22	4.18
SS	Haven	3.00	3.67	4.19	2.00	4.00	4.10
PST	Carly	3.33	2.33	4.10	1.67	3.67	4.05
PST	PST-2WHB	4.67	2.67	4.43	4.00	4.00	4.05
NTR	APR2719	5.00	3.33	3.95	3.00	4.11	4.04
NTR	APR2977	5.67	3.67	4.10	4.67	3.89	3.99
PPG	PPG-PR-472	3.00	2.67	4.24	2.33	3.72	3.98
NAI	NAI-17106	3.33	3.33	4.24	2.33	3.67	3.95
PST	Silver Sun	2.33	3.67	4.24	2.00	3.66	3.95
NTR	Soprano	3.00	2.67	4.00	2.67	3.78	3.89
PST	PST-2MKD	5.33	2.33	4.05	5.67	3.72	3.89
NTR	APR2617	3.67	2.33	3.95	3.33	3.78	3.87
NAI	Allsport 5	3.67	3.33	4.24	2.33	3.33	3.79
DLFPS	DLFPS-236-3024	5.67	1.67	3.29	7.00	4.28	3.79
NTR	APR2846	5.33	2.33	3.00	6.67	4.39	3.70
NTR	APRT2835	2.67	5.67	3.71	1.67	3.67	3.69
PST	New Sealand	2.33	2.33	4.05	1.00	3.33	3.69
DLFPS	DLFPS-236-3585	2.67	2.67	3.76	1.00	3.56	3.66
NTR	APR3060	3.00	3.00	3.43	3.67	3.89	3.66
NTR	APR2237	3.33	3.00	3.81	2.33	3.44	3.63

CTBT: 2018 Trial - 18CTLP1  
 Perennial Ryegrass Turf Trial  
 Location: Freehold, NJ  
 Cooperator: Dr. William Meyer

2020 Data

SPONSOR	CULTIVAR	Subjective Data					Average Turf Quality 2019-2020
		Stems 2019	Dollar Spot 2019	Average Turf Quality 2019	Stems 2020	Average Turf Quality 2020	
PPG	Homerun	3.33	3.00	3.62	2.33	3.61	3.62
NTR	APR2440	4.00	2.67	3.81	2.67	3.39	3.60
NTR	APR2462	3.33	3.33	3.29	4.67	3.83	3.56
PST	PST-2SHRP	4.33	2.00	3.57	3.67	3.55	3.56
PST	Silverdollar	2.67	4.33	4.00	1.00	3.11	3.56
NAI	Notable	3.00	3.33	3.90	1.67	3.11	3.51
NAI	Prosport 4	2.00	2.67	3.76	1.33	3.22	3.49
NAI	NAI-1422	2.33	3.00	3.71	2.00	3.22	3.47
NTR	APR2853	4.67	2.33	3.62	2.33	3.17	3.39
SS	SNX	2.33	3.00	3.67	1.33	3.11	3.39
SS	Nexus XD	2.33	3.00	3.10	2.33	3.61	3.36
SS	Nexus XR	3.33	2.33	3.24	2.00	3.39	3.32
NTR	APR2637	3.00	2.33	3.24	3.00	3.11	3.18
SS	SEPR-2	1.67	1.67	3.43	1.33	2.83	3.13
NTR	APR2463	3.67	2.00	2.81	4.00	3.28	3.05
NTR	APR2846	5.00	2.33	2.43	6.00	3.61	3.02
NAI	Commander ST	3.33	2.00	3.09	1.33	2.83	2.97
NTR	APR2839	3.00	1.67	2.53	2.00	3.17	2.85
SS	SEPR-N6	2.33	2.00	2.71	1.33	2.67	2.69
SS	SEPR-1	3.33	2.33	2.48	1.33	2.89	2.68
SS	SEPR-3	1.67	2.00	2.43	1.00	2.78	2.60
PST	Brightstar SLT	2.33	2.67	1.95	1.00	2.56	2.26
	<b>CV</b>	19.13	29.26	10.76	28.05	15.02	11.72
	<b>LSD</b>	1.09	1.50	0.66	1.52	0.88	0.71

2019 Stems = 1-9; 9 = Least (1 rating)  
 2019 Dollar Spot = 1-9; 9 = Least (1 rating)  
 2019 Average Turf Quality = 1-9; 9 = Best (7 ratings)  
 2020 Stems = 1-9; 9 = Least (1 rating)  
 2020 Average Turf Quality = 1-9; 9 = Best (6 ratings)  
 2019-2020 Average Turf Quality = 1-9; 9 = Best (13 ratings)

CTBT: 2018 Trial - 18CTLP2  
 Perennial Ryegrass Turf Trial  
 Location: Salem, New Jersey  
 Cooperator: Steve Langlois

2020 Data

		2019 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
DLFPS	DLFPS-236-3543	88.03	5.81	7.81	3.98	6.84	6.11
PST	Silver Sport	84.76	4.94	7.91	4.65	6.77	6.07
PST	PST-2GDS	87.71	5.72	7.69	4.19	6.83	6.11
PST	PST-2FLAT	83.05	5.11	7.90	4.37	6.08	5.86
DLFPS	DLFPS-236-3578	86.63	5.44	7.67	4.09	7.73	6.23
PST	PST-2MAY	85.99	5.26	7.79	4.12	7.08	6.06
NTR	APR2848	86.16	5.31	8.05	4.78	6.73	6.22
PST	PST-214	87.55	5.68	8.14	4.06	6.14	6.00
NTR	APR2462	81.17	3.98	7.62	4.61	7.17	5.85
DLFPS	DLFPS-236-3576	86.52	5.57	7.83	4.12	7.45	6.24
PPG	Grandslam GLD	84.85	4.96	7.50	4.45	7.25	6.04
DLFPS	DLFPS-236-3579	84.82	4.95	7.65	3.90	7.04	5.89
NTR	APR2154	79.30	3.48	7.52	4.70	6.35	5.51
DLFPS	DLFPS-236-3582	87.68	5.71	7.71	3.56	6.66	5.91
PPG	PPG-PR-478	86.77	5.47	7.73	4.05	6.43	5.92
PST	PST-2BGL	80.32	3.84	7.48	4.11	6.64	5.52
DLFPS	DLFPS-236-3581	86.35	5.36	7.53	3.96	6.47	5.83
PST	SYN 2HAF	84.77	4.94	7.89	4.56	6.40	5.95
NTR	APR2609	86.06	5.29	7.82	3.82	7.48	6.10
DLFPS	DLFPS-236-3583	85.14	5.04	7.56	4.01	6.98	5.90
NTR	APR3060	77.80	3.08	7.73	5.31	5.35	5.36
PPG	PPG-PR-342	83.98	4.94	7.69	4.09	7.19	5.98
NTR	APR2839	85.00	5.00	7.93	5.00	6.95	6.22
PPG	PPG-PR-438	85.07	5.02	7.53	4.05	5.26	5.47
DLFPS	DLFPS-236-3575	86.47	5.39	7.84	4.54	5.84	5.91
PPG	PPG-PR-436	87.36	5.63	7.63	3.81	5.90	5.74
PST	PST-2DRG	79.01	3.40	7.52	4.59	6.74	5.56
DLFPS	DLFPS-236-3024	82.99	4.47	7.44	4.17	6.65	5.69
NTR	APR2463	81.39	4.04	7.59	4.30	6.49	5.60
NTR	APR2612	81.75	4.18	7.67	3.90	6.41	5.54
PPG	PPG-PR-437	87.55	5.68	7.69	3.94	6.80	6.02
PPG	PPG-PR-471	83.90	4.83	7.68	4.07	7.06	5.91
PPG	PPG-PR-432	80.60	3.83	7.55	4.48	7.13	5.75
PPG	PPG-PR-310	84.89	4.97	7.66	4.23	6.27	5.78
PST	PST-2WHB	82.57	4.35	7.96	4.28	6.27	5.72
DLFPS	DLFPS-236-3546	85.17	5.04	7.75	4.05	5.62	5.62
DLFPS	DLFPS-236-3541	84.67	4.93	7.59	3.50	6.89	5.73
SS	SEPR-107	81.48	4.24	7.81	4.46	5.63	5.53
NTR	APR2835	72.01	1.57	7.59	4.70	5.74	4.90
SS	Shield	81.84	4.16	7.49	4.04	6.00	5.42
DLFPS	DLFPS-236-3540	85.33	5.09	7.77	3.69	5.52	5.52
NAI	NAI-17106	81.23	4.17	7.56	4.09	6.84	5.66
PPG	PPG-PR-435	86.00	5.27	7.60	3.69	6.84	5.85
PST	PST-2E6	80.98	3.93	7.31	3.51	6.82	5.39
NTR	APR2973	81.68	4.12	7.47	4.88	5.48	5.48
DLFPS	DLFPS-236-3584	84.06	4.75	7.56	3.89	7.52	5.93
PPG	PPG-PR-434	86.61	5.43	7.62	3.60	6.81	5.87
DLFPS	DLFPS-236-3542	86.48	5.39	7.79	3.65	6.35	5.80
NTR	APR2703	79.06	3.42	7.39	3.79	6.69	5.32
PST	PST-2BET	81.14	3.97	7.44	3.93	6.13	5.36
NTR	APR2237	79.96	3.76	7.75	4.09	6.16	5.44
NTR	APR2946	79.79	3.84	7.30	4.27	6.98	5.60
DLFPS	DLFPS-236-3577	83.32	4.63	7.42	3.55	6.94	5.64
DLFPS	DLFPS-236-3580	82.85	4.43	7.47	4.07	5.75	5.43
PST	PST-2MKD	82.13	4.57	8.18	4.19	5.59	5.64
DLFPS	DLFPS-236-3547	83.41	4.58	7.36	3.55	7.24	5.68
PST	PST-2SHRP	83.31	4.55	8.21	4.74	4.99	5.62
NTR	APR2846	84.29	4.81	8.10	4.52	5.20	5.66
PST	PST-2BAD	81.17	4.07	7.66	4.22	5.95	5.47
NTR	APR2685	82.10	4.22	7.45	3.90	6.25	5.45
SS	SEPR-106	79.70	4.12	7.82	4.61	5.32	5.47
PPG	PPG-PR-376	78.43	3.51	7.42	3.94	7.06	5.48

CTBT: 2018 Trial - 18CTLP2  
 Perennial Ryegrass Turf Trial  
 Location: Salem, New Jersey  
 Cooperator: Steve Langlois

2020 Data

SPONSOR	CULTIVAR	2019 Objective Data					
		Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
NAI	NAI-1422	80.41	3.83	7.71	4.69	5.94	5.54
PPG	PPG-PR-229	84.17	4.78	7.55	3.61	6.82	5.69
PPG	PPG-PR-344	80.63	4.45	7.45	3.40	6.69	5.49
PPG	PPG-PR-477	84.72	5.01	7.65	4.13	5.42	5.55
NTR	APR2853	79.73	3.85	7.40	4.17	6.54	5.48
PPG	PPG-PR-433	79.92	3.65	7.61	4.29	6.34	5.47
NTR	APR2637	80.13	4.01	7.34	4.02	6.71	5.53
PPG	PPG-PR-472	80.02	3.67	7.56	4.32	5.25	5.20
NTR	APR2440	81.93	4.27	7.62	3.87	6.03	5.45
NAI	NAI-LM3	78.33	3.25	7.48	4.50	5.85	5.27
NAI	NAI-LD52	80.40	3.81	7.38	3.96	6.86	5.51
NTR	APR2856	81.44	4.06	7.36	3.83	6.30	5.39
NTR	APR2977	80.97	3.93	7.41	4.36	6.39	5.52
SS	Signet	80.12	3.78	7.37	3.77	7.16	5.52
NTR	APR2846	79.74	3.59	7.81	4.11	4.40	4.98
DLFPS	Karma	80.45	3.79	7.40	3.75	6.33	5.32
PST	PST-2BD1	80.59	3.84	7.18	4.26	6.84	5.53
DLFPS	Allstar 3	80.12	3.70	7.59	4.24	5.53	5.27
NTR	Soprano	76.59	2.90	7.43	4.34	5.75	5.11
PPG	PPG-PR-338	83.31	4.70	7.55	3.57	6.70	5.63
DLFPS	DLFPS-236-3586	78.55	3.51	7.49	4.46	5.37	5.21
NTR	APR2719	77.94	3.19	7.30	4.06	6.61	5.29
NAI	NAI-17397	75.83	2.68	7.31	4.72	6.27	5.25
NAI	Evolution	75.34	2.79	7.32	3.77	7.09	5.25
SS	SNX	74.29	2.62	7.68	4.87	6.12	5.32
NTR	APR2616	81.62	4.29	7.41	3.56	6.59	5.46
SS	SEPR-1	77.91	3.39	7.67	5.44	5.25	5.44
NTR	APR2617	79.67	3.81	7.41	3.62	5.98	5.20
NTR	APR2790	74.71	2.26	6.95	3.79	7.33	5.08
PPG	PPG-PR-368	80.40	4.18	7.33	3.70	6.11	5.33
DLFPS	DLFPS-236-3538	81.17	3.98	7.39	3.99	6.23	5.40
NAI	NAI-LM2	79.56	3.55	7.56	4.11	5.93	5.29
PPG	Homerun	77.49	2.99	7.26	4.55	6.83	5.41
NTR	APR2944	76.69	2.78	7.21	3.96	4.90	4.71
NAI	NAI-17409	73.39	2.01	7.03	4.70	6.39	5.03
PST	Carly	72.83	2.10	6.87	4.19	7.29	5.12
SS	Haven	72.35	2.21	7.04	3.75	7.07	5.02
PST	Silver Sun	70.63	2.03	7.32	4.35	6.64	5.08
NTR	APR2753	74.91	3.04	7.20	3.59	6.44	5.07
NAI	Commander ST	68.71	1.79	7.06	4.98	6.58	5.11
PST	Silverdollar	64.27	1.18	6.85	4.54	6.48	4.77
SS	SEPR-2	72.08	1.89	7.44	4.99	4.94	4.81
SS	SEPR-N6	71.82	1.64	7.94	4.84	4.93	4.84
SS	SEPR-3	65.24	1.13	7.24	4.60	4.82	4.45
PST	New Sealand	66.01	1.44	6.98	4.61	5.63	4.66
NAI	Allsport 5	68.86	1.19	6.95	4.23	6.31	4.67
SS	Nexus XR	73.46	2.35	7.57	4.11	4.61	4.66
NAI	Prosport 4	65.17	1.19	6.91	4.58	5.91	4.65
NAI	Notable	67.17	1.07	6.77	4.02	6.05	4.48
DLFPS	DLFPS-236-3585	65.27	1.39	7.12	4.44	5.25	4.55
SS	Nexus XD	71.17	2.31	7.58	4.46	3.76	4.53
PST	Brightstar SLT	69.92	1.65	7.39	4.09	2.91	4.01
	<b>CV</b>	4.41	19.28	2.11	9.88	16.31	6.87
	<b>LSD</b>	4.76	1.01	0.21	0.56	1.38	0.51

2019 Average Percent Cover = 0-100; 100= Most Cover (2 ratings)  
 2019 Average Cover = 1-9; 9= Most Cover (2 ratings)  
 2019 Average Genetic Color = 1-9; 9=Darkest (2 ratings)  
 2019 Average Density= 1-9; 9=Most Dense (2 ratings)  
 2019 Average Uniformity= 1-9; 9=Most Uniform (2 ratings)  
 2019 Average Turf Quality = 1-9;9=Best (2 ratings)

CTBT: 2018 Trial - 18CTLP2  
 Perennial Ryegrass Turf Trial  
 Location: Salem, New Jersey  
 Cooperator: Steve Langlois

		2020 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
DLFPS	DLFPS-236-3543	60.43	2.48	5.04	1.91	6.95	4.10
PST	Silver Sport	59.21	2.39	5.58	2.19	6.26	4.10
PST	PST-2GDS	58.40	2.00	5.12	2.11	6.33	3.89
PST	PST-2FLAT	56.58	2.38	5.72	2.35	6.02	4.12
DLFPS	DLFPS-236-3578	44.46	1.58	5.43	2.45	5.35	3.70
PST	PST-2MAY	53.01	1.84	5.49	2.45	5.40	3.79
NTR	APR2848	52.97	1.07	5.09	2.32	6.02	3.62
PST	PST-214	52.58	2.14	5.56	2.50	5.13	3.83
NTR	APR2462	53.71	1.73	4.50	2.07	7.27	3.89
DLFPS	DLFPS-236-3576	45.14	1.00	5.49	2.64	4.40	3.38
PPG	Grandslam GLD	43.53	1.96	5.41	2.32	4.63	3.58
DLFPS	DLFPS-236-3579	26.51	1.26	5.52	2.37	5.70	3.71
NTR	APR2154	52.90	2.31	4.79	2.01	6.97	4.02
DLFPS	DLFPS-236-3582	56.18	1.79	5.28	1.91	5.54	3.63
PPG	PPG-PR-478	50.96	1.68	5.49	2.28	5.01	3.61
PST	PST-2BGL	55.33	2.41	5.33	2.11	6.18	4.01
DLFPS	DLFPS-236-3581	54.64	1.28	4.94	2.56	5.93	3.68
PST	SYN 2HAF	50.99	1.54	5.74	2.44	4.48	3.55
NTR	APR2609	40.39	1.05	5.11	2.47	4.95	3.40
DLFPS	DLFPS-236-3583	50.68	1.48	4.59	2.03	6.28	3.60
NTR	APR3060	53.47	2.28	4.96	2.00	7.31	4.14
PPG	PPG-PR-342	48.81	1.69	5.79	2.30	4.25	3.50
NTR	APR2839	41.74	1.02	4.97	2.67	4.30	3.24
PPG	PPG-PR-438	58.48	2.29	5.12	2.17	6.37	3.98
DLFPS	DLFPS-236-3575	51.97	1.61	5.13	2.27	5.06	3.52
PPG	PPG-PR-436	41.73	1.54	5.86	2.82	4.40	3.66
PST	PST-2DRG	38.75	1.74	5.72	2.52	5.13	3.78
DLFPS	DLFPS-236-3024	60.60	1.97	3.85	1.70	6.99	3.63
NTR	APR2463	51.71	2.08	4.93	1.98	5.79	3.69
NTR	APR2612	39.31	1.68	5.77	2.07	5.47	3.75
PPG	PPG-PR-437	47.17	1.52	5.33	2.27	3.87	3.25
PPG	PPG-PR-471	43.97	1.03	5.80	2.62	3.94	3.35
PPG	PPG-PR-432	45.88	1.45	5.47	2.16	4.94	3.51
PPG	PPG-PR-310	46.19	1.28	5.56	2.47	4.56	3.47
PST	PST-2WHB	41.57	1.17	5.85	2.47	4.48	3.49
DLFPS	DLFPS-236-3546	47.18	1.54	5.68	2.18	4.94	3.59
DLFPS	DLFPS-236-3541	38.44	1.66	4.59	1.89	5.75	3.48
SS	SEPR-107	41.24	1.89	6.20	2.42	4.06	3.64
NTR	APR2835	56.34	2.07	5.25	2.17	7.57	4.26
SS	Shield	47.49	2.42	5.44	2.27	4.79	3.73
DLFPS	DLFPS-236-3540	39.38	1.44	5.61	2.14	5.23	3.61
NAI	NAI-17106	46.66	1.77	5.30	2.13	4.66	3.47
PPG	PPG-PR-435	47.97	1.24	5.64	2.00	4.23	3.27
PST	PST-2E6	51.11	1.79	5.21	2.37	5.56	3.73
NTR	APR2973	49.45	2.08	4.70	1.82	5.92	3.63
DLFPS	DLFPS-236-3584	40.88	1.13	5.41	2.26	3.82	3.15
PPG	PPG-PR-434	34.70	1.14	5.40	2.09	4.18	3.20
DLFPS	DLFPS-236-3542	39.79	1.00	6.16	2.87	3.03	3.26
NTR	APR2703	49.11	2.00	5.00	2.14	5.80	3.74
PST	PST-2BET	47.23	1.54	5.59	2.55	5.10	3.69
NTR	APR2237	43.06	1.41	5.85	2.49	4.68	3.61
NTR	APR2946	47.95	1.18	3.94	1.80	6.86	3.44
DLFPS	DLFPS-236-3577	41.65	1.39	5.69	2.46	4.08	3.40
DLFPS	DLFPS-236-3580	52.00	1.87	4.86	2.24	5.48	3.62
PST	PST-2MKD	43.87	1.24	6.29	2.60	3.39	3.38
DLFPS	DLFPS-236-3547	44.56	1.38	5.48	2.44	4.06	3.34
PST	PST-2SHRP	20.98	1.00	6.44	2.87	3.24	3.39
NTR	APR2846	53.33	1.11	4.82	1.92	5.53	3.35
PST	PST-2BAD	50.77	1.77	5.39	2.01	4.96	3.53
NTR	APR2685	44.65	1.41	4.87	2.13	5.71	3.53
SS	SEPR-106	32.35	1.32	5.90	2.46	4.28	3.49
PPG	PPG-PR-376	37.06	1.38	5.75	2.37	4.10	3.40



CTBT: 2018 Trial - 18CTLP2  
 Perennial Ryegrass Turf Trial  
 Location: Salem, New Jersey  
 Cooperator: Steve Langlois

		2020 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
NAI	NAI-1422	21.27	1.00	5.80	2.39	4.07	3.31
PPG	PPG-PR-229	39.98	1.33	5.62	2.03	3.70	3.17
PPG	PPG-PR-344	42.65	1.54	5.66	2.51	3.75	3.37
PPG	PPG-PR-477	44.15	1.12	5.06	2.00	4.96	3.29
NTR	APR2853	43.37	1.10	4.98	2.51	4.72	3.33
PPG	PPG-PR-433	28.09	1.00	5.70	2.33	4.29	3.33
NTR	APR2637	42.66	1.58	5.05	2.13	4.28	3.26
PPG	PPG-PR-472	41.45	1.48	5.92	2.64	4.28	3.58
NTR	APR2440	43.02	1.25	5.76	2.65	3.65	3.33
NAI	NAI-LM3	44.95	1.40	5.46	2.44	4.69	3.50
NAI	NAI-LD52	41.36	1.59	5.16	1.98	4.31	3.26
NTR	APR2856	42.62	1.12	5.32	2.12	4.65	3.30
NTR	APR2977	44.64	1.19	4.81	2.10	4.54	3.16
SS	Signet	31.44	1.18	5.33	2.16	3.99	3.17
NTR	APR2846	52.35	2.35	5.09	2.12	5.22	3.69
DLFPS	Karma	25.93	1.00	6.07	2.46	3.84	3.35
PST	PST-2BD1	27.58	1.00	5.44	2.36	3.70	3.12
DLFPS	Allstar 3	35.06	1.29	5.80	2.59	3.85	3.38
NTR	Soprano	38.01	1.27	6.04	2.82	3.95	3.52
PPG	PPG-PR-338	36.14	1.00	5.55	1.97	3.45	2.99
DLFPS	DLFPS-236-3586	29.25	1.09	6.03	2.44	3.99	3.39
NTR	APR2719	41.98	1.00	4.90	2.16	5.14	3.30
NAI	NAI-17397	33.46	1.07	5.34	2.17	4.68	3.32
NAI	Evolution	29.30	1.27	5.24	2.33	4.32	3.29
SS	SNX	36.54	1.00	5.72	2.20	3.98	3.23
NTR	APR2616	36.73	1.00	5.66	2.22	3.36	3.06
SS	SEPR-1	30.40	1.00	5.70	2.34	3.05	3.03
NTR	APR2617	33.01	1.00	5.69	2.30	4.01	3.25
NTR	APR2790	44.29	1.25	4.08	2.23	5.89	3.36
PPG	PPG-PR-368	36.12	1.13	6.00	2.29	3.05	3.12
DLFPS	DLFPS-236-3538	30.79	1.00	5.71	2.24	3.11	3.01
NAI	NAI-LM2	30.77	1.00	5.99	2.61	2.78	3.10
PPG	Homerun	35.36	1.18	5.23	2.12	3.32	2.96
NTR	APR2944	49.71	1.73	4.81	2.23	5.71	3.62
NAI	NAI-17409	41.85	1.42	5.07	2.01	4.60	3.28
PST	Carly	39.48	1.00	4.82	2.30	4.42	3.13
SS	Haven	26.77	1.00	5.23	2.36	4.26	3.21
PST	Silver Sun	35.83	1.00	5.53	2.55	3.12	3.05
NTR	APR2753	24.54	1.00	5.00	2.58	3.59	3.05
NAI	Commander ST	26.65	1.00	5.24	2.39	3.42	3.01
PST	Silverdollar	27.32	1.00	4.96	2.15	5.12	3.31
SS	SEPR-2	30.84	1.03	5.50	2.47	3.89	3.22
SS	SEPR-N6	33.67	1.01	6.21	2.01	3.29	3.13
SS	SEPR-3	36.97	1.43	5.21	2.40	4.92	3.49
PST	New Sealand	32.50	1.00	5.38	2.59	3.93	3.22
NAI	Allsport 5	25.68	1.00	5.55	2.47	3.35	3.09
SS	Nexus XR	26.73	1.00	5.73	2.57	3.10	3.10
NAI	Prosport 4	34.37	1.00	5.24	2.52	3.18	2.99
NAI	Notable	31.33	1.21	4.83	2.11	4.36	3.12
DLFPS	DLFPS-236-3585	20.28	1.00	4.69	2.26	4.10	3.01
SS	Nexus XD	30.87	1.01	5.86	1.70	2.94	2.88
PST	Brightstar SLT	37.75	1.10	5.47	1.85	3.31	2.93
	<b>CV</b>	25.44	31.71	8.97	17.84	24.36	9.37
	<b>LSD</b>	14.29	0.61	0.65	0.55	1.53	0.43

2020 Average Percent Cover = 0-100; 100= Most Cover (3 ratings)  
 2020 Average Cover = 1-9; 9= Most Cover (3 ratings)  
 2020 Average Genetic Color = 1-9; 9=Darkest (3 ratings)  
 2020 Average Density= 1-9; 9=Most Dense (3 ratings)  
 2020 Average Uniformity= 1-9; 9=Most Uniform (3 ratings)  
 2020 Average Turf Quality = 1-9;9=Best (3 ratings)

CTBT: 2018 Trial - 18CTLP2  
 Perennial Ryegrass Turf Trial  
 Location: Salem, New Jersey  
 Cooperator: Steve Langlois

		Objective Data 2019-2020 Two-year Average					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
DLFPS	DLFPS-236-3543	74.23	4.15	6.43	2.95	6.89	5.10
PST	Silver Sport	71.98	3.66	6.74	3.42	6.52	5.09
PST	PST-2GDS	73.06	3.86	6.41	3.15	6.58	5.00
PST	PST-2FLAT	69.82	3.74	6.81	3.36	6.05	4.99
DLFPS	DLFPS-236-3578	65.55	3.51	6.55	3.27	6.54	4.97
PST	PST-2MAY	69.50	3.55	6.64	3.28	6.24	4.93
NTR	APR2848	69.56	3.19	6.57	3.55	6.38	4.92
PST	PST-214	70.06	3.91	6.85	3.28	5.64	4.92
NTR	APR2462	67.44	2.85	6.06	3.34	7.22	4.87
DLFPS	DLFPS-236-3576	65.83	3.29	6.66	3.38	5.92	4.81
PPG	Grandslam GLD	64.19	3.46	6.45	3.38	5.94	4.81
DLFPS	DLFPS-236-3579	55.66	3.11	6.59	3.14	6.37	4.80
NTR	APR2154	66.10	2.89	6.16	3.36	6.66	4.77
DLFPS	DLFPS-236-3582	71.93	3.75	6.49	2.74	6.10	4.77
PPG	PPG-PR-478	68.86	3.58	6.61	3.17	5.72	4.76
PST	PST-2BGL	67.83	3.13	6.41	3.11	6.41	4.76
DLFPS	DLFPS-236-3581	70.50	3.32	6.24	3.26	6.20	4.76
PST	SYN 2HAF	67.88	3.24	6.82	3.50	5.44	4.75
NTR	APR2609	63.22	3.17	6.46	3.15	6.21	4.75
DLFPS	DLFPS-236-3583	67.91	3.26	6.08	3.02	6.64	4.75
NTR	APR3060	65.64	2.68	6.34	3.66	6.33	4.75
PPG	PPG-PR-342	66.40	3.31	6.74	3.19	5.72	4.74
NTR	APR2839	63.37	3.01	6.45	3.83	5.63	4.73
PPG	PPG-PR-438	71.78	3.65	6.33	3.11	5.82	4.73
DLFPS	DLFPS-236-3575	69.22	3.50	6.48	3.41	5.45	4.71
PPG	PPG-PR-436	64.54	3.59	6.75	3.32	5.15	4.70
PST	PST-2DRG	58.88	2.58	6.62	3.55	5.94	4.67
DLFPS	DLFPS-236-3024	71.79	3.22	5.64	2.94	6.82	4.66
NTR	APR2463	66.55	3.06	6.26	3.14	6.14	4.65
NTR	APR2612	60.53	2.93	6.72	2.98	5.94	4.64
PPG	PPG-PR-437	67.36	3.60	6.51	3.10	5.34	4.63
PPG	PPG-PR-471	63.93	2.93	6.74	3.35	5.50	4.63
PPG	PPG-PR-432	63.24	2.64	6.51	3.32	6.04	4.63
PPG	PPG-PR-310	65.54	3.13	6.61	3.35	5.42	4.63
PST	PST-2WHB	62.07	2.76	6.91	3.38	5.38	4.61
DLFPS	DLFPS-236-3546	66.17	3.29	6.72	3.11	5.28	4.60
DLFPS	DLFPS-236-3541	61.56	3.29	6.09	2.70	6.32	4.60
SS	SEPR-107	61.36	3.07	7.01	3.44	4.84	4.59
NTR	APRT2835	64.17	1.82	6.42	3.44	6.65	4.58
SS	Shield	64.67	3.29	6.47	3.15	5.39	4.58
DLFPS	DLFPS-236-3540	62.36	3.27	6.69	2.92	5.37	4.57
NAI	NAI-17106	63.95	2.97	6.43	3.11	5.75	4.57
PPG	PPG-PR-435	66.98	3.26	6.62	2.84	5.53	4.56
PST	PST-2E6	66.05	2.86	6.26	2.94	6.19	4.56
NTR	APR2973	65.57	3.10	6.09	3.35	5.70	4.56
DLFPS	DLFPS-236-3584	62.47	2.94	6.49	3.07	5.67	4.54
PPG	PPG-PR-434	60.66	3.29	6.51	2.85	5.50	4.54
DLFPS	DLFPS-236-3542	63.13	3.20	6.98	3.26	4.70	4.53
NTR	APR2703	64.09	2.71	6.20	2.97	6.24	4.53
PST	PST-2BET	64.19	2.75	6.51	3.24	5.61	4.53
NTR	APR2237	61.52	2.59	6.80	3.29	5.42	4.52
NTR	APR2946	63.87	2.51	5.62	3.04	6.92	4.52
DLFPS	DLFPS-236-3577	62.48	3.01	6.55	3.00	5.51	4.52
DLFPS	DLFPS-236-3580	67.43	3.15	6.16	3.15	5.62	4.52
PST	PST-2MKD	63.00	2.91	7.24	3.40	4.49	4.51
DLFPS	DLFPS-236-3547	63.99	2.98	6.42	3.00	5.65	4.51
PST	PST-2SHRP	52.14	2.78	7.32	3.81	4.12	4.51
NTR	APR2846	68.81	2.96	6.46	3.22	5.37	4.50
PST	PST-2BAD	65.97	2.92	6.53	3.12	5.45	4.50
NTR	APR2685	63.38	2.82	6.16	3.01	5.98	4.49
SS	SEPR-106	56.02	2.72	6.86	3.53	4.80	4.48
PPG	PPG-PR-376	57.74	2.45	6.59	3.15	5.58	4.44

CTBT: 2018 Trial - 18CTLP2  
 Perennial Ryegrass Turf Trial  
 Location: Salem, New Jersey  
 Cooperator: Steve Langlois

		Objective Data 2019-2020 Two-year Average					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
NAI	NAI-1422	50.84	2.42	6.75	3.54	5.00	4.43
PPG	PPG-PR-229	62.08	3.06	6.58	2.82	5.26	4.43
PPG	PPG-PR-344	61.64	2.99	6.55	2.96	5.22	4.43
PPG	PPG-PR-477	64.43	3.06	6.36	3.07	5.19	4.42
NTR	APR2853	61.55	2.47	6.19	3.34	5.63	4.41
PPG	PPG-PR-433	54.01	2.33	6.65	3.31	5.32	4.40
NTR	APR2637	61.40	2.79	6.20	3.08	5.50	4.39
PPG	PPG-PR-472	60.73	2.58	6.74	3.48	4.77	4.39
NTR	APR2440	62.47	2.76	6.69	3.27	4.84	4.39
NAI	NAI-LM3	61.64	2.33	6.47	3.47	5.27	4.39
NAI	NAI-LD52	60.88	2.71	6.27	2.97	5.59	4.38
NTR	APR2856	62.04	2.59	6.34	2.98	5.48	4.34
NTR	APR2977	62.80	2.56	6.11	3.23	5.46	4.34
SS	Signet	55.78	2.48	6.35	2.97	5.58	4.34
NTR	APR2846	66.05	2.97	6.45	3.12	4.81	4.34
DLFPS	Karma	53.19	2.39	6.74	3.11	5.09	4.33
PST	PST-2BD1	54.08	2.42	6.31	3.31	5.27	4.33
DLFPS	Allstar 3	57.59	2.49	6.70	3.42	4.69	4.33
NTR	Soprano	57.30	2.09	6.74	3.58	4.86	4.31
PPG	PPG-PR-338	59.73	2.85	6.55	2.77	5.07	4.31
DLFPS	DLFPS-236-3586	53.90	2.30	6.76	3.45	4.68	4.30
NTR	APR2719	59.96	2.09	6.10	3.11	5.87	4.29
NAI	NAI-17397	54.65	1.88	6.32	3.45	5.48	4.28
NAI	Evolution	52.32	2.03	6.28	3.05	5.71	4.27
SS	SNX	55.42	1.81	6.70	3.54	5.05	4.27
NTR	APR2616	59.18	2.65	6.53	2.89	4.98	4.26
SS	SEPR-1	54.15	2.20	6.69	3.89	4.15	4.23
NTR	APR2617	56.34	2.40	6.55	2.96	4.99	4.23
NTR	APR2790	59.50	1.76	5.51	3.01	6.61	4.22
PPG	PPG-PR-368	58.26	2.65	6.67	3.00	4.58	4.22
DLFPS	DLFPS-236-3538	55.98	2.49	6.55	3.11	4.67	4.21
NAI	NAI-LM2	55.16	2.27	6.78	3.37	4.36	4.19
PPG	Homerun	56.43	2.09	6.25	3.34	5.07	4.19
NTR	APR2944	63.20	2.26	6.01	3.10	5.31	4.17
NAI	NAI-17409	57.62	1.72	6.05	3.35	5.50	4.15
PST	Carly	56.16	1.55	5.84	3.25	5.85	4.13
SS	Haven	49.56	1.60	6.13	3.06	5.67	4.12
PST	Silver Sun	53.23	1.52	6.42	3.45	4.88	4.07
NTR	APR2753	49.72	2.02	6.10	3.09	5.01	4.06
NAI	Commander ST	47.69	1.40	6.15	3.68	5.00	4.06
PST	Silverdollar	45.80	1.09	5.91	3.35	5.80	4.04
SS	SEPR-2	51.46	1.46	6.47	3.73	4.42	4.02
SS	SEPR-N6	52.75	1.33	7.07	3.42	4.11	3.98
SS	SEPR-3	51.11	1.28	6.22	3.50	4.87	3.97
PST	New Sealand	49.26	1.22	6.18	3.60	4.78	3.94
NAI	Allsport 5	47.27	1.09	6.25	3.35	4.83	3.88
SS	Nexus XR	50.10	1.68	6.65	3.34	3.85	3.88
NAI	Prosport 4	49.77	1.09	6.07	3.56	4.54	3.82
NAI	Notable	49.25	1.14	5.80	3.06	5.21	3.80
DLFPS	DLFPS-236-3585	42.77	1.20	5.91	3.35	4.68	3.78
SS	Nexus XD	51.02	1.66	6.72	3.08	3.35	3.70
PST	Brightstar SLT	53.83	1.38	6.43	2.97	3.11	3.47
	<b>CV</b>	9.14	15.18	3.95	9.50	14.58	5.76
	<b>LSD</b>	7.50	0.54	0.34	0.41	1.07	0.35

2019-2020 Average Percent Cover = 0-100; 100= Most Cover (5 ratings)  
 2019-2020 Average Cover = 1-9; 9= Most Cover (5 ratings)  
 2019-2020 Average Genetic Color = 1-9; 9=Darkest (5 ratings)  
 2019-2020 Average Density= 1-9; 9=Most Dense (5 ratings)  
 2019-2020 Average Uniformity= 1-9; 9=Most Uniform (5 ratings)  
 2019-2020 Average Turf Quality = 1-9;9=Best (5 ratings)

CTBT: 2018 Trial - 18CTLP4  
 Perennial Ryegrass Turf Trial  
 Location: Rolesville, NC  
 Cooperator: Dr. Melodee Fraser

2020 Data

		Subjective Data						
SPONSOR	CULTIVAR	Winter Turf Quality 2019	Average Turf Quality 2019	Brown Patch 2019	Winter Turf Quality 2020	Summer Stress	Average Turf Quality 2020	Average Turf Quality 2019-2020
PPG	PPG-PR-436	4.67	5.94	6.78	5.83	4.00	6.06	6.00
PPG	PPG-PR-438	6.67	5.70	6.78	6.50	3.33	6.28	5.99
PPG	PPG-PR-435	4.33	5.67	7.11	6.00	2.00	6.17	5.92
PPG	PPG-PR-478	5.00	5.64	6.22	6.17	3.00	6.17	5.90
DLFPS	DLFPS-236-3582	5.67	5.54	7.45	6.00	2.00	6.22	5.89
PPG	PPG-PR-437	5.67	5.85	7.33	6.00	3.00	5.78	5.81
DLFPS	DLFPS-236-3547	5.67	5.64	6.56	6.00	3.33	5.94	5.79
DLFPS	DLFPS-236-3581	6.00	5.82	7.11	5.67	5.00	5.66	5.74
PPG	PPG-PR-338	6.33	5.76	6.00	6.17	2.67	5.72	5.74
SS	Signet	5.33	5.36	5.22	5.67	2.00	6.11	5.74
DLFPS	DLFPS-236-3543	6.00	5.58	6.22	5.83	3.33	5.89	5.73
DLFPS	DLFPS-236-3540	6.33	5.27	4.55	5.83	2.00	6.06	5.67
PPG	PPG-PR-376	5.00	5.33	5.89	6.00	2.33	6.00	5.66
PPG	PPG-PR-310	6.00	5.43	5.56	5.50	2.33	5.83	5.63
DLFPS	DLFPS-236-3538	5.67	5.30	5.78	5.17	3.33	5.94	5.63
PPG	PPG-PR-434	6.00	5.52	5.33	5.83	3.33	5.72	5.62
DLFPS	DLFPS-236-3576	4.33	5.54	6.89	6.00	3.00	5.67	5.61
DLFPS	DLFPS-236-3577	5.33	5.42	6.00	5.67	2.00	5.78	5.60
PPG	PPG-PR-477	6.00	5.88	7.11	5.50	2.33	5.33	5.60
PPG	PPG-PR-344	5.67	5.42	6.00	5.83	1.33	5.78	5.60
DLFPS	DLFPS-236-3546	5.33	5.03	5.34	5.67	2.33	6.11	5.57
DLFPS	DLFPS-236-3584	5.00	5.42	6.55	5.17	2.67	5.67	5.55
DLFPS	DLFPS-236-3575	5.67	5.27	6.44	5.50	4.00	5.78	5.53
PST	PST-214	5.00	5.42	5.89	6.00	1.67	5.61	5.51
DLFPS	DLFPS-236-3579	5.33	5.49	5.67	5.17	2.67	5.50	5.49
DLFPS	DLFPS-236-3578	5.00	5.09	5.56	5.00	3.33	5.83	5.46
DLFPS	Allstar 3	6.00	5.24	4.22	5.50	2.00	5.67	5.45
PPG	PPG-PR-471	5.33	5.70	6.56	5.67	3.33	5.17	5.43
PPG	PPG-PR-342	4.67	5.12	4.89	6.50	1.67	5.72	5.42
PST	PST-2FLAT	5.33	5.36	5.78	6.00	2.67	5.45	5.41
NTR	APR2609	5.33	5.39	4.78	6.50	2.67	5.39	5.39
PST	Silver Sport	5.67	5.06	4.67	5.67	3.33	5.72	5.39
NTR	APR2612	4.33	4.88	4.89	5.50	3.67	5.89	5.38
PST	SYN 2HAF	5.67	5.33	6.89	4.83	2.33	5.39	5.36
PST	PST-2BAD	6.00	5.27	5.67	5.50	2.00	5.39	5.33
NTR	APR2616	5.00	5.03	4.11	5.17	1.33	5.61	5.32
PST	PST-2MAY	5.33	5.18	4.78	5.67	2.33	5.44	5.31
DLFPS	DLFPS-236-3586	5.00	5.33	6.67	4.83	1.67	5.28	5.30
PPG	PPG-PR-433	5.33	4.82	4.44	6.00	2.00	5.78	5.30
NTR	APR2856	4.33	4.97	5.22	5.33	2.33	5.61	5.29
PPG	PPG-PR-432	4.67	5.00	6.00	6.00	2.67	5.56	5.28
DLFPS	DLFPS-236-3580	4.33	5.15	6.78	5.50	3.67	5.39	5.27
PPG	PPG-PR-472	5.00	4.88	5.00	5.83	2.33	5.61	5.25
PPG	PPG-PR-229	5.00	4.85	4.22	5.67	2.00	5.61	5.23
PST	PST-2GDS	3.67	4.94	6.78	5.50	3.67	5.50	5.22
DLFPS	DLFPS-236-3583	4.67	4.88	4.33	5.17	3.67	5.55	5.22
SS	Shield	5.00	5.06	5.00	5.17	4.67	5.28	5.17
NTR	APR2703	4.67	4.61	4.89	5.33	3.00	5.72	5.16
PST	PST-2E6	5.33	4.94	5.56	5.50	3.33	5.39	5.16

CTBT: 2018 Trial - 18CTLP4  
 Perennial Ryegrass Turf Trial  
 Location: Rolesville, NC  
 Cooperator: Dr. Melodee Fraser

2020 Data

		Subjective Data					Average Turf Quality 2020	Average Turf Quality 2019-2020
SPONSOR	CULTIVAR	Winter Turf Quality 2019	Average Turf Quality 2019	Brown Patch 2019	Winter Turf Quality 2020	Summer Stress	Average Turf Quality 2020	Average Turf Quality 2019-2020
PPG	PPG-PR-368	5.00	5.00	4.67	5.00	3.00	5.28	5.14
PST	PST-2WHB	5.33	4.88	4.56	5.83	3.33	5.39	5.13
NAI	NAI-1422	4.33	4.97	4.11	5.33	2.33	5.28	5.12
NTR	Soprano	6.00	4.73	3.34	5.83	2.00	5.50	5.11
DLFPS	DLFPS-236-3541	4.33	5.00	5.67	5.67	2.00	5.22	5.11
SS	SEPR-107	5.33	4.61	3.66	6.00	2.00	5.61	5.11
NTR	APR2637	6.00	5.09	5.56	5.83	3.67	5.06	5.07
NTR	APR2440	5.67	4.82	6.11	5.67	3.00	5.28	5.05
NTR	APR2846	4.67	5.03	5.78	4.50	3.67	5.05	5.04
NTR	APR2237	5.33	4.91	4.44	5.17	3.00	5.17	5.04
NTR	APR2463	3.67	4.73	5.33	4.67	3.67	5.33	5.03
NTR	APR2685	4.67	5.00	6.33	4.50	4.67	5.06	5.03
PST	PST-2DRG	5.33	4.76	3.44	4.67	1.67	5.28	5.02
NTR	APR2973	4.67	4.70	5.00	5.00	3.00	5.28	4.99
NTR	APR2719	5.00	4.67	4.56	4.33	2.67	5.28	4.97
PST	PST-2BET	4.67	4.61	3.11	4.83	2.00	5.28	4.95
DLFPS	DLFPS-236-3542	6.00	5.09	5.56	5.17	3.67	4.78	4.94
DLFPS	DLFPS-236-3585	4.33	4.52	4.11	5.83	3.00	5.34	4.93
NAI	Evolution	4.67	4.85	6.56	4.67	3.00	4.95	4.90
PPG	Homerun	6.00	5.06	6.56	5.00	3.33	4.72	4.89
PPG	Grandslam GLD	6.33	5.00	4.11	6.17	1.67	4.78	4.89
NAI	NAI-LM3	5.00	4.67	2.11	5.00	3.00	5.11	4.89
NTR	APR2848	5.33	4.58	3.89	5.50	3.67	5.17	4.87
NTR	APR2946	5.00	4.97	5.56	4.33	3.67	4.78	4.87
SS	SEPR-3	4.33	4.97	6.11	5.00	2.00	4.67	4.82
SS	SEPR-106	4.67	4.39	2.33	5.83	1.67	5.17	4.78
SS	Haven	4.00	4.27	4.22	4.50	2.33	5.28	4.77
SS	SNX	5.67	4.70	3.89	5.17	3.33	4.83	4.77
NTR	APR2617	5.00	4.34	2.22	4.50	3.00	5.11	4.72
PST	PST-2BGL	5.67	4.88	5.22	4.83	3.33	4.56	4.72
NAI	NAI-17106	4.33	4.70	5.44	4.67	3.33	4.72	4.71
NTR	APR2753	5.00	4.61	4.78	4.33	1.33	4.78	4.69
NTR	APR2853	5.33	4.21	4.44	5.17	2.00	5.17	4.69
NTR	APR3060	5.33	4.76	4.78	4.83	3.67	4.61	4.69
PST	Silver Sun	4.00	4.76	4.33	4.67	2.67	4.61	4.68
NTR	APR2944	4.00	4.67	4.67	4.83	5.33	4.67	4.67
NTR	APR2839	3.67	4.48	3.55	4.33	3.67	4.84	4.66
SS	SEPR-1	5.33	4.40	2.34	5.00	2.67	4.78	4.59
NTR	APR2846	4.67	4.36	3.78	4.00	4.00	4.78	4.57
NTR	APR2154	3.67	4.54	5.55	5.17	4.33	4.56	4.55
NAI	NAI-LD52	4.00	4.48	3.78	4.33	4.67	4.61	4.55
NTR	APR2977	4.67	4.45	4.78	4.33	3.00	4.61	4.53
NAI	NAI-LM2	4.67	4.73	5.00	4.00	2.33	4.34	4.53
PST	PST-2MKD	5.00	4.67	3.78	5.17	1.67	4.34	4.50
SS	Nexus XR	5.67	4.46	3.22	4.50	3.00	4.50	4.48
NTR	APR2790	4.00	4.30	5.22	4.50	4.00	4.50	4.40
NTR	APR2462	4.00	4.82	6.67	4.33	4.33	3.89	4.35
NTR	APR2835	4.67	4.76	7.33	3.83	5.67	3.94	4.35
PST	PST-2BD1	5.00	4.30	2.67	4.33	2.00	4.39	4.35

CTBT: 2018 Trial - 18CTLP4  
 Perennial Ryegrass Turf Trial  
 Location: Rolesville, NC  
 Cooperator: Dr. Melodee Fraser

2020 Data

		Subjective Data						
SPONSOR	CULTIVAR	Winter Turf Quality 2019	Average Turf Quality 2019	Brown Patch 2019	Winter Turf Quality 2020	Summer Stress	Average Turf Quality 2020	Average Turf Quality 2019-2020
SS	SEPR-2	4.33	4.00	1.33	5.00	2.67	4.67	4.33
PST	Silverdollar	4.33	4.12	4.11	4.17	4.67	4.39	4.26
NAI	NAI-17397	4.00	4.18	3.11	3.83	2.33	4.28	4.23
SS	SEPR-N6	6.00	4.45	3.22	4.33	3.33	3.83	4.14
PST	New Sealand	4.00	3.61	2.33	3.83	3.00	4.67	4.14
SS	Nexus XD	4.67	4.21	3.00	4.67	3.33	4.00	4.11
PST	PST-2SHRP	5.00	4.36	4.55	4.83	2.00	3.83	4.10
PST	Brightstar SLT	4.00	3.91	1.78	3.67	4.67	4.28	4.10
PST	Carly	4.33	3.79	4.33	4.17	4.00	3.78	3.78
NAI	Allsport 5	3.67	3.43	2.33	3.67	2.67	3.95	3.69
NAI	Notable	4.00	3.42	3.00	4.50	1.33	3.89	3.66
DLFPS	DLFPS-236-3024	3.33	3.61	5.89	3.00	5.67	3.33	3.47
NAI	NAI-17409	3.00	3.33	2.89	3.33	2.33	3.44	3.38
NAI	Prosport 4	3.67	3.52	3.45	3.33	3.67	3.05	3.29
NAI	Commander ST	4.00	2.91	1.22	3.50	2.67	3.55	3.23
	<b>CV</b>	17.69	8.80	26.85	13.53	25.21	12.77	7.96
	<b>LSD</b>	1.18	0.57	1.78	0.93	0.99	0.87	0.53

2019 Winter Turf Quality = 1-9; 9 = Best (1 rating)  
 2019 Average Turf Quality = 1-9; 9 = Best (11 ratings)  
 2019 Brown Patch = 1-9; 9 = no disease (3 ratings)  
 2020 Winter Turf Quality = 1-9; 9 = Best (2 ratings)  
 2020 Summer Stress = 1-9; 9 = no disease (3 ratings)  
 2020 Average Turf Quality = 1-9; 9 = Best (6 ratings)  
 2019-2020 Average Turf Quality = 1-9; 9 = Best (16 ratings)

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

2020 Data: Standard quality traits

		2019 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
PST	PST-2MKD	97.87	8.43	8.33	7.18	7.00	7.74
SS	SEPR-107	98.56	8.62	8.34	6.82	7.34	7.78
PST	PST-2SHRP	98.17	8.51	8.33	6.95	7.35	7.79
PST	SYN 2HAF	98.43	8.58	8.11	7.07	7.16	7.73
PST	PST-2FLAT	98.45	8.59	8.16	6.85	6.53	7.53
DLFPS	DLFPS-236-3542	98.69	8.65	8.20	6.72	6.83	7.60
SS	SEPR-106	97.97	8.46	8.26	6.95	6.67	7.58
DLFPS	DLFPS-236-3541	98.47	8.59	8.01	6.87	7.13	7.65
DLFPS	DLFPS-236-3582	98.44	8.58	7.98	6.55	7.37	7.62
PST	PST-2WHB	97.62	8.36	8.22	7.08	6.41	7.52
SS	SNX	96.80	8.14	8.28	7.26	7.03	7.68
DLFPS	DLFPS-236-3576	98.21	8.52	8.10	6.84	6.82	7.57
PST	PST-2BGL	98.19	8.52	8.01	6.78	6.77	7.52
PPG	PPG-PR-342	97.51	8.34	7.98	6.78	7.14	7.56
PPG	PPG-PR-437	98.33	8.55	8.02	6.87	7.01	7.61
NAI	NAI-1422	97.35	8.30	8.16	6.99	7.08	7.63
PST	PST-214	98.37	8.57	8.29	7.02	7.18	7.77
PST	Silver Sport	98.57	8.62	8.27	6.87	6.48	7.56
PPG	PPG-PR-310	98.39	8.57	8.00	6.75	7.39	7.68
PPG	PPG-PR-471	97.42	8.31	8.04	7.01	7.14	7.63
NTR	APR2237	98.10	8.50	8.28	7.06	6.83	7.66
DLFPS	DLFPS-236-3579	98.17	8.51	8.06	6.88	7.01	7.62
PST	PST-2E6	98.28	8.54	7.84	6.84	7.46	7.67
NTR	Soprano	97.81	8.42	8.04	7.16	7.02	7.66
DLFPS	DLFPS-236-3540	97.95	8.45	8.10	6.82	7.24	7.66
SS	Nexus XR	96.77	8.14	8.09	6.94	7.43	7.65
PPG	PPG-PR-436	98.44	8.58	8.00	6.74	7.28	7.65
PST	PST-2GDS	98.46	8.59	7.94	6.74	7.27	7.63
PPG	PPG-PR-478	98.04	8.47	7.93	6.68	7.41	7.62
PPG	PPG-PR-438	98.18	8.51	7.93	6.68	6.88	7.50
DLFPS	DLFPS-236-3581	98.27	8.54	7.89	6.73	7.26	7.60
DLFPS	DLFPS-236-3543	98.13	8.50	8.06	7.05	6.78	7.60
DLFPS	DLFPS-236-3575	98.52	8.61	8.05	6.97	6.63	7.57
PPG	PPG-PR-338	98.83	8.69	8.19	6.42	7.21	7.63
SS	Nexus XD	97.10	8.23	8.30	6.73	7.44	7.67
DLFPS	DLFPS-236-3584	98.12	8.50	7.96	6.64	7.45	7.64
DLFPS	DLFPS-236-3546	98.57	8.62	8.07	6.67	6.73	7.53
SS	Shield	98.31	8.55	7.92	6.81	6.93	7.55

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

2020 Data: Standard quality traits

		2019 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
PPG	Grandslam GLD	97.67	8.38	7.85	6.89	7.27	7.60
NTR	APR2612	97.13	8.23	7.96	7.15	7.15	7.62
NTR	APR2846	97.24	8.26	8.01	6.64	7.33	7.56
NAI	Evolution	97.95	8.45	7.92	6.60	7.23	7.55
DLFPS	DLFPS-236-3578	98.28	8.54	7.94	6.81	7.11	7.60
DLFPS	Karma	97.63	8.37	7.96	6.77	7.02	7.53
PPG	PPG-PR-472	97.41	8.31	8.01	7.06	6.82	7.55
NTR	APR2848	97.33	8.29	8.06	7.04	6.94	7.58
PPG	PPG-PR-229	98.63	8.63	8.05	6.57	7.10	7.59
DLFPS	DLFPS-236-3547	98.18	8.51	7.89	6.52	7.00	7.48
DLFPS	Allstar 3	98.55	8.61	8.10	6.89	6.59	7.55
DLFPS	DLFPS-236-3580	97.67	8.38	7.80	6.79	6.84	7.45
PPG	PPG-PR-434	98.56	8.61	7.88	6.22	7.33	7.51
SS	SEPR-N6	96.47	8.06	8.41	7.14	6.27	7.47
NTR	APR3060	96.79	8.14	7.91	6.77	7.15	7.50
NTR	APR2440	96.97	8.19	8.03	7.03	6.19	7.36
PPG	PPG-PR-477	98.19	8.52	8.03	6.87	6.85	7.57
PST	PST-2DRG	98.18	8.51	7.96	6.92	6.57	7.49
NTR	APR2609	97.90	8.44	8.12	7.06	6.02	7.41
DLFPS	DLFPS-236-3577	98.23	8.53	7.93	6.73	7.09	7.57
NTR	APR2703	97.43	8.31	7.88	6.79	7.01	7.50
NAI	NAI-LM3	97.11	8.23	7.83	6.70	7.10	7.47
PST	PST-2BAD	98.34	8.56	8.08	6.49	6.88	7.50
PPG	PPG-PR-368	98.46	8.59	7.85	6.40	7.13	7.49
NTR	APR2839	96.27	8.00	7.99	7.14	6.48	7.40
PPG	PPG-PR-376	97.42	8.31	7.92	6.70	6.65	7.40
NTR	APR2853	97.20	8.25	7.69	6.80	7.10	7.46
NTR	APR2846	97.30	8.28	7.98	6.86	6.79	7.48
SS	SEPR-2	96.96	8.19	7.93	6.66	7.20	7.49
PST	PST-2BET	98.39	8.57	7.83	6.74	6.73	7.47
PST	PST-2MAY	98.59	8.63	8.05	6.58	6.04	7.32
NTR	APR2617	97.38	8.30	7.93	7.11	6.61	7.49
DLFPS	DLFPS-236-3583	97.55	8.35	7.80	6.92	6.85	7.48
NTR	APR2856	97.56	8.35	7.83	6.90	7.00	7.52
DLFPS	DLFPS-236-3586	97.83	8.42	7.95	6.55	7.14	7.51
NAI	NAI-17106	97.84	8.42	8.05	6.89	7.13	7.62
PPG	PPG-PR-435	98.14	8.51	7.91	6.45	7.13	7.50
NTR	APR2463	95.89	7.90	7.78	6.66	7.46	7.46



CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

2020 Data: Standard quality traits

		2019 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
DLFPS	DLFPS-236-3538	98.06	8.49	7.94	6.79	6.16	7.34
PPG	PPG-PR-344	97.44	8.32	7.83	6.74	5.96	7.21
NTR	APR2616	97.87	8.43	7.95	6.78	6.43	7.40
SS	SEPR-1	97.90	8.44	7.97	6.60	6.28	7.33
PPG	PPG-PR-433	97.44	8.32	8.01	6.69	6.58	7.40
NAI	NAI-LM2	98.25	8.54	7.99	6.80	6.60	7.48
NAI	NAI-17397	97.02	8.21	7.79	6.63	6.66	7.32
NTR	APR2973	97.01	8.20	7.73	6.73	7.09	7.44
NTR	APRT2835	94.63	7.57	8.05	6.44	6.49	7.14
NTR	APR2685	96.44	8.05	7.71	6.37	7.06	7.30
NTR	APR2637	97.23	8.26	7.72	6.89	6.46	7.33
SS	Signet	97.84	8.42	7.85	6.29	6.62	7.30
PPG	Homerun	97.67	8.38	7.80	6.77	6.15	7.28
SS	Haven	96.24	8.00	7.64	6.94	6.97	7.39
PPG	PPG-PR-432	95.97	7.92	7.85	7.07	6.44	7.32
NTR	APR2462	95.55	7.82	7.69	6.20	7.40	7.28
PST	New Sealand	95.03	7.68	7.61	6.91	7.06	7.31
NAI	NAI-LD52	97.62	8.36	7.68	6.64	7.41	7.53
PST	Silver Sun	96.36	8.03	7.89	6.41	6.81	7.28
PST	Brightstar SLT	96.11	7.96	7.71	6.38	7.22	7.32
NTR	APR2753	96.89	8.17	7.82	6.92	6.63	7.38
NTR	APR2946	96.66	8.11	7.68	6.46	6.57	7.21
NTR	APR2719	96.61	8.10	7.74	6.57	6.25	7.16
NTR	APR2977	95.14	7.70	7.63	6.66	6.85	7.22
NTR	APR2154	96.60	8.09	7.75	6.42	6.91	7.30
DLFPS	DLFPS-236-3585	95.36	7.76	7.93	6.67	5.91	7.07
SS	SEPR-3	94.89	7.64	7.67	6.77	6.59	7.17
NTR	APR2944	95.47	7.79	7.48	6.27	6.87	7.10
NTR	APR2790	94.58	7.56	7.39	6.92	7.23	7.27
NAI	Commander ST	95.22	7.72	7.42	6.49	6.31	6.99
PST	PST-2BD1	97.30	8.28	7.51	5.97	7.14	7.22
NAI	Notable	94.37	7.50	7.38	6.54	6.76	7.04
NAI	Prosport 4	93.90	7.37	7.33	6.76	6.83	7.07
NAI	NAI-17409	94.88	7.64	7.52	7.09	6.09	7.08
PST	Silverdollar	94.68	7.58	7.39	6.26	6.90	7.03
DLFPS	DLFPS-236-3024	96.74	8.14	7.41	5.70	6.55	6.95
PST	Carly	94.64	7.57	7.23	6.31	7.08	7.05
NAI	Allsport 5	94.13	7.44	7.46	6.48	6.49	6.96

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

2020 Data: Standard quality traits

		2019 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
	CV	16.31	6.87	25.44	31.71	8.97	17.84
	LSD	1.38	0.51	14.29	0.61	0.65	0.55

2019 Average Percent Cover = 0-100; 100= Most Cover (3 ratings)

2019 Average Cover = 1-9; 9= Most Cover (3 ratings)

2019 Average Genetic Color = 1-9; 9=Darkest (3 ratings)

2019 Average Density= 1-9; 9=Most Dense (3 ratings)

2019 Average Uniformity= 1-9; 9=Most Uniform (3 ratings)

2019 Average Turf Quality = 1-9;9=Best (3 ratings)

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

		2020 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
PST	PST-2MKD	83.45	7.11	6.87	3.95	5.55	5.87
SS	SEPR-107	83.33	7.08	6.74	3.99	5.33	5.78
PST	PST-2SHRP	83.01	6.99	6.55	3.74	5.75	5.76
PST	SYN 2HAF	83.58	7.14	6.42	3.65	5.83	5.76
PST	PST-2FLAT	83.95	7.24	6.56	3.68	6.26	5.94
DLFPS	DLFPS-236-3542	83.65	7.17	6.55	3.53	6.15	5.85
SS	SEPR-106	83.28	7.06	6.82	4.30	5.23	5.86
DLFPS	DLFPS-236-3541	83.67	7.17	6.34	3.63	5.91	5.76
DLFPS	DLFPS-236-3582	83.84	7.21	6.28	3.61	5.91	5.75
PST	PST-2WHB	82.61	6.88	6.68	4.00	5.80	5.84
SS	SNX	82.08	6.75	6.46	3.73	5.75	5.67
DLFPS	DLFPS-236-3576	83.35	7.08	6.38	3.70	5.84	5.75
PST	PST-2BGL	83.87	7.22	6.27	3.72	5.96	5.79
PPG	PPG-PR-342	83.40	7.10	6.30	3.55	6.04	5.74
PPG	PPG-PR-437	83.39	7.10	6.27	3.63	5.78	5.69
NAI	NAI-1422	82.49	6.85	6.22	3.63	5.98	5.67
PST	PST-214	83.40	7.10	6.41	3.53	5.06	5.53
PST	Silver Sport	83.46	7.11	6.38	3.63	5.81	5.73
PPG	PPG-PR-310	83.38	7.09	5.93	3.45	5.94	5.60
PPG	PPG-PR-471	83.03	7.00	6.20	3.67	5.73	5.65
NTR	APR2237	82.35	6.82	6.37	3.77	5.50	5.62
DLFPS	DLFPS-236-3579	83.35	7.08	6.31	3.56	5.62	5.64
PST	PST-2E6	83.60	7.15	5.97	3.65	5.57	5.59
NTR	Soprano	83.14	7.03	6.23	3.97	5.11	5.58
DLFPS	DLFPS-236-3540	82.83	6.95	6.20	3.61	5.62	5.60
SS	Nexus XR	81.75	6.66	6.28	3.80	5.66	5.60
PPG	PPG-PR-436	83.14	7.03	5.92	3.50	5.87	5.58
PST	PST-2GDS	83.28	7.06	6.07	3.60	5.64	5.60
PPG	PPG-PR-478	83.17	7.04	6.14	3.44	5.79	5.60
PPG	PPG-PR-438	83.42	7.10	6.16	3.46	6.11	5.71
DLFPS	DLFPS-236-3581	83.13	7.03	5.85	3.42	6.08	5.59
DLFPS	DLFPS-236-3543	82.95	6.98	6.02	3.59	5.84	5.61
DLFPS	DLFPS-236-3575	83.17	7.04	6.09	3.56	5.81	5.63
PPG	PPG-PR-338	83.97	7.25	6.14	3.15	5.76	5.58
SS	Nexus XD	81.39	6.56	6.31	3.57	5.59	5.51
DLFPS	DLFPS-236-3584	83.31	7.08	5.82	3.17	6.10	5.54
DLFPS	DLFPS-236-3546	83.32	7.08	6.05	3.41	6.03	5.64
SS	Shield	83.54	7.13	5.96	3.48	5.90	5.62

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

		2020 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
PPG	Grandslam GLD	83.15	7.03	5.91	3.52	5.82	5.57
NTR	APR2612	81.80	6.67	5.93	3.71	5.82	5.54
NTR	APR2846	82.54	6.87	6.08	3.89	5.55	5.60
NAI	Evolution	83.33	7.08	5.98	3.26	6.10	5.60
DLFPS	DLFPS-236-3578	83.38	7.09	5.86	3.53	5.72	5.55
DLFPS	Karma	82.70	6.91	6.07	3.49	6.01	5.62
PPG	PPG-PR-472	82.96	6.98	6.08	3.54	5.77	5.59
NTR	APR2848	81.66	6.63	5.99	4.05	5.52	5.54
PPG	PPG-PR-229	83.28	7.06	5.85	3.28	5.99	5.54
DLFPS	DLFPS-236-3547	83.73	7.19	5.87	3.25	6.30	5.65
DLFPS	Allstar 3	83.70	7.17	6.10	3.33	5.69	5.57
DLFPS	DLFPS-236-3580	82.86	6.95	5.89	3.46	6.38	5.67
PPG	PPG-PR-434	83.95	7.25	5.97	3.12	6.10	5.61
SS	SEPR-N6	81.84	6.68	6.97	3.87	5.05	5.65
NTR	APR3060	81.97	6.72	6.01	4.07	5.60	5.60
NTR	APR2440	82.74	6.92	6.36	3.87	5.81	5.74
PPG	PPG-PR-477	82.88	6.96	6.14	3.49	5.47	5.51
PST	PST-2DRG	82.71	6.92	5.97	3.64	5.86	5.60
NTR	APR2609	82.37	6.82	6.17	3.89	5.81	5.67
DLFPS	DLFPS-236-3577	83.04	7.00	5.87	3.44	5.74	5.51
NTR	APR2703	82.58	6.88	5.93	3.74	5.75	5.57
NAI	NAI-LM3	82.35	6.81	6.04	3.73	5.84	5.61
PST	PST-2BAD	82.91	6.97	5.95	3.58	5.76	5.57
PPG	PPG-PR-368	83.70	7.18	5.80	3.15	6.18	5.58
NTR	APR2839	81.13	6.49	6.19	4.36	5.53	5.64
PPG	PPG-PR-376	82.97	6.98	6.19	3.50	5.92	5.65
NTR	APR2853	81.72	6.65	5.62	3.98	6.07	5.58
NTR	APR2846	82.03	6.73	5.88	3.87	5.64	5.53
SS	SEPR-2	82.23	6.79	5.85	3.60	5.82	5.52
PST	PST-2BET	83.09	7.01	5.72	3.56	5.78	5.52
PST	PST-2MAY	83.58	7.15	6.11	3.55	5.77	5.64
NTR	APR2617	81.84	6.69	5.70	3.76	5.78	5.48
DLFPS	DLFPS-236-3583	82.79	6.93	5.59	3.51	5.92	5.49
NTR	APR2856	81.82	6.67	5.62	3.62	5.82	5.43
DLFPS	DLFPS-236-3586	82.63	6.89	5.79	3.40	5.65	5.43
NAI	NAI-17106	81.98	6.72	5.69	3.34	5.57	5.33
PPG	PPG-PR-435	83.03	7.00	5.75	3.25	5.80	5.45
NTR	APR2463	80.03	6.20	5.56	4.01	6.13	5.48

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

		2020 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
DLFPS	DLFPS-236-3538	82.71	6.91	5.78	3.34	6.30	5.59
PPG	PPG-PR-344	83.56	7.14	6.27	3.46	5.99	5.72
NTR	APR2616	82.77	6.93	5.94	3.47	5.74	5.52
SS	SEPR-1	82.84	6.94	5.95	3.55	5.86	5.58
PPG	PPG-PR-433	83.02	7.00	6.16	3.47	5.39	5.50
NAI	NAI-LM2	82.43	6.84	5.80	3.46	5.54	5.41
NAI	NAI-17397	82.33	6.81	5.77	3.73	5.96	5.57
NTR	APR2973	81.74	6.66	5.48	3.64	5.90	5.42
NTR	APRT2835	81.53	6.60	6.98	3.96	5.35	5.72
NTR	APR2685	81.36	6.56	5.76	3.90	6.00	5.55
NTR	APR2637	82.51	6.86	5.66	3.41	6.09	5.50
SS	Signet	82.66	6.90	5.82	3.36	5.97	5.51
PPG	Homerun	82.68	6.91	5.64	3.65	5.83	5.51
SS	Haven	82.08	6.75	5.34	3.32	6.13	5.38
PPG	PPG-PR-432	82.06	6.74	5.86	3.49	5.71	5.45
NTR	APR2462	80.58	6.35	5.72	3.93	5.93	5.48
PST	New Sealand	81.26	6.52	5.45	3.67	6.08	5.43
NAI	NAI-LD52	80.96	6.44	5.17	3.23	5.96	5.20
PST	Silver Sun	81.58	6.61	5.70	3.61	5.65	5.39
PST	Brightstar SLT	81.43	6.57	5.56	3.59	5.73	5.36
NTR	APR2753	81.28	6.53	5.51	3.55	5.49	5.27
NTR	APR2946	81.79	6.67	5.58	3.76	5.75	5.44
NTR	APR2719	81.15	6.50	5.52	3.62	6.24	5.47
NTR	APR2977	80.62	6.35	5.45	3.63	6.13	5.39
NTR	APR2154	81.58	6.61	5.61	3.67	5.27	5.29
DLFPS	DLFPS-236-3585	81.21	6.51	6.12	3.65	5.67	5.49
SS	SEPR-3	80.66	6.36	5.51	3.66	5.99	5.38
NTR	APR2944	81.38	6.56	5.59	3.79	5.68	5.41
NTR	APR2790	81.17	6.50	5.35	3.63	5.31	5.20
NAI	Commander ST	81.11	6.49	5.48	4.11	5.89	5.49
PST	PST-2BD1	81.67	6.64	4.85	3.48	6.04	5.25
NAI	Notable	81.09	6.48	5.33	3.68	6.03	5.38
NAI	Prosport 4	80.81	6.41	5.29	3.93	5.55	5.29
NAI	NAI-17409	80.38	6.29	5.49	4.21	5.13	5.28
PST	Silverdollar	81.39	6.56	5.30	3.48	5.84	5.30
DLFPS	DLFPS-236-3024	81.02	6.46	4.83	3.43	6.35	5.27
PST	Carly	81.13	6.49	4.79	3.36	5.89	5.13
NAI	Allsport 5	79.83	6.15	5.15	3.73	5.80	5.21

**CTBT: 2018 Trial - 18CTLP12**  
**Perennial Ryegrass Turf Trial**  
**Location: Albany, OR**  
**Cooperator: Kenneth Hignight**

		2020 Objective Data					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
	CV	24.36	9.37	9.14	15.18	3.95	9.50
	LSD	1.53	0.43	7.50	0.54	0.34	0.41

2020 Average Percent Cover = 0-100; 100= Most Cover (6 ratings)

2020 Average Cover = 1-9; 9= Most Cover (6 ratings)

2020 Average Genetic Color = 1-9; 9=Darkest (6 ratings)

2020 Average Density= 1-9; 9=Most Dense (6 ratings)

2020 Average Uniformity= 1-9; 9=Most Uniform (6 ratings)

2020 Average Turf Quality = 1-9;9=Best (6 ratings)

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

		Objective Data 2019-2020 Two-year Average					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
PST	PST-2MKD	90.66	7.77	7.60	5.56	6.27	6.80
SS	SEPR-107	90.94	7.85	7.54	5.41	6.33	6.78
PST	PST-2SHRP	90.59	7.75	7.44	5.34	6.55	6.77
PST	SYN 2HAF	91.00	7.86	7.26	5.36	6.49	6.75
PST	PST-2FLAT	91.20	7.92	7.36	5.27	6.39	6.74
DLFPS	DLFPS-236-3542	91.17	7.91	7.38	5.12	6.49	6.72
SS	SEPR-106	90.62	7.76	7.54	5.63	5.95	6.72
DLFPS	DLFPS-236-3541	91.07	7.88	7.18	5.25	6.52	6.71
DLFPS	DLFPS-236-3582	91.14	7.90	7.13	5.08	6.64	6.69
PST	PST-2WHB	90.12	7.63	7.45	5.54	6.11	6.68
SS	SNX	89.44	7.45	7.37	5.50	6.39	6.68
DLFPS	DLFPS-236-3576	90.78	7.80	7.24	5.27	6.33	6.66
PST	PST-2BGL	91.03	7.88	7.14	5.25	6.36	6.66
PPG	PPG-PR-342	90.45	7.72	7.14	5.16	6.59	6.65
PPG	PPG-PR-437	90.86	7.82	7.15	5.25	6.39	6.65
NAI	NAI-1422	89.92	7.57	7.19	5.31	6.53	6.65
PST	PST-214	90.89	7.84	7.35	5.28	6.12	6.65
PST	Silver Sport	91.02	7.87	7.32	5.25	6.14	6.65
PPG	PPG-PR-310	90.88	7.83	6.97	5.10	6.66	6.64
PPG	PPG-PR-471	90.22	7.66	7.12	5.34	6.44	6.64
NTR	APR2237	90.23	7.66	7.32	5.42	6.17	6.64
DLFPS	DLFPS-236-3579	90.76	7.80	7.18	5.22	6.32	6.63
PST	PST-2E6	90.94	7.84	6.91	5.24	6.51	6.63
NTR	Soprano	90.48	7.72	7.13	5.56	6.07	6.62
DLFPS	DLFPS-236-3540	90.39	7.70	7.15	5.22	6.43	6.62
SS	Nexus XR	89.26	7.40	7.19	5.37	6.54	6.62
PPG	PPG-PR-436	90.79	7.80	6.96	5.11	6.57	6.62
PST	PST-2GDS	90.87	7.83	7.01	5.17	6.46	6.61
PPG	PPG-PR-478	90.60	7.75	7.03	5.06	6.60	6.61
PPG	PPG-PR-438	90.80	7.81	7.04	5.07	6.49	6.61
DLFPS	DLFPS-236-3581	90.70	7.78	6.87	5.08	6.67	6.60
DLFPS	DLFPS-236-3543	90.54	7.74	7.04	5.32	6.31	6.60
DLFPS	DLFPS-236-3575	90.85	7.82	7.07	5.27	6.22	6.60
PPG	PPG-PR-338	91.40	7.97	7.17	4.79	6.48	6.60
SS	Nexus XD	89.25	7.40	7.31	5.15	6.51	6.59
DLFPS	DLFPS-236-3584	90.72	7.79	6.89	4.91	6.78	6.59
DLFPS	DLFPS-236-3546	90.95	7.85	7.06	5.04	6.38	6.59
SS	Shield	90.93	7.84	6.94	5.14	6.41	6.59

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

		Objective Data 2019-2020 Two-year Average					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
PPG	Grandslam GLD	90.41	7.71	6.88	5.20	6.55	6.58
NTR	APR2612	89.47	7.45	6.95	5.43	6.48	6.58
NTR	APR2846	89.89	7.56	7.04	5.26	6.44	6.58
NAI	Evolution	90.64	7.77	6.95	4.93	6.67	6.58
DLFPS	DLFPS-236-3578	90.84	7.82	6.91	5.17	6.41	6.58
DLFPS	Karma	90.17	7.64	7.02	5.13	6.52	6.58
PPG	PPG-PR-472	90.19	7.64	7.05	5.30	6.30	6.57
NTR	APR2848	89.49	7.47	7.02	5.54	6.22	6.57
PPG	PPG-PR-229	90.95	7.85	6.95	4.93	6.55	6.57
DLFPS	DLFPS-236-3547	90.95	7.85	6.88	4.89	6.65	6.56
DLFPS	Allstar 3	91.12	7.89	7.11	5.11	6.14	6.56
DLFPS	DLFPS-236-3580	90.26	7.67	6.85	5.12	6.61	6.56
PPG	PPG-PR-434	91.26	7.93	6.92	4.67	6.71	6.56
SS	SEPR-N6	89.16	7.37	7.69	5.51	5.66	6.55
NTR	APR3060	89.37	7.43	6.97	5.42	6.38	6.55
NTR	APR2440	89.85	7.56	7.19	5.45	6.00	6.55
PPG	PPG-PR-477	90.53	7.74	7.08	5.18	6.16	6.54
PST	PST-2DRG	90.45	7.71	6.96	5.28	6.22	6.54
NTR	APR2609	90.13	7.63	7.14	5.48	5.91	6.54
DLFPS	DLFPS-236-3577	90.63	7.76	6.90	5.08	6.41	6.54
NTR	APR2703	90.00	7.60	6.91	5.27	6.38	6.54
NAI	NAI-LM3	89.73	7.52	6.93	5.22	6.47	6.54
PST	PST-2BAD	90.63	7.76	7.02	5.04	6.32	6.54
PPG	PPG-PR-368	91.08	7.88	6.83	4.77	6.65	6.53
NTR	APR2839	88.70	7.25	7.09	5.75	6.00	6.52
PPG	PPG-PR-376	90.19	7.65	7.06	5.10	6.29	6.52
NTR	APR2853	89.46	7.45	6.66	5.39	6.58	6.52
NTR	APR2846	89.66	7.51	6.93	5.36	6.21	6.50
SS	SEPR-2	89.59	7.49	6.89	5.13	6.51	6.50
PST	PST-2BET	90.74	7.79	6.78	5.15	6.26	6.50
PST	PST-2MAY	91.08	7.89	7.08	5.06	5.90	6.49
NTR	APR2617	89.61	7.49	6.82	5.44	6.19	6.48
DLFPS	DLFPS-236-3583	90.17	7.64	6.69	5.21	6.39	6.48
NTR	APR2856	89.69	7.51	6.72	5.26	6.41	6.48
DLFPS	DLFPS-236-3586	90.23	7.66	6.87	4.98	6.39	6.47
NAI	NAI-17106	89.91	7.57	6.87	5.12	6.35	6.47
PPG	PPG-PR-435	90.59	7.76	6.83	4.85	6.46	6.47
NTR	APR2463	87.96	7.05	6.67	5.34	6.80	6.47



CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

		Objective Data 2019-2020 Two-year Average					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
DLFPS	DLFPS-236-3538	90.39	7.70	6.87	5.07	6.23	6.46
PPG	PPG-PR-344	90.50	7.73	7.05	5.10	5.97	6.46
NTR	APR2616	90.32	7.68	6.94	5.13	6.09	6.46
SS	SEPR-1	90.37	7.69	6.96	5.08	6.07	6.45
PPG	PPG-PR-433	90.23	7.66	7.08	5.08	5.99	6.45
NAI	NAI-LM2	90.34	7.69	6.90	5.13	6.06	6.45
NAI	NAI-17397	89.68	7.51	6.78	5.18	6.31	6.44
NTR	APR2973	89.38	7.43	6.60	5.19	6.50	6.43
NTR	APRT2835	88.08	7.09	7.52	5.20	5.92	6.43
NTR	APR2685	88.90	7.30	6.73	5.14	6.53	6.43
NTR	APR2637	89.87	7.56	6.69	5.15	6.27	6.42
SS	Signet	90.25	7.66	6.84	4.83	6.30	6.41
PPG	Homerun	90.18	7.64	6.72	5.21	5.99	6.39
SS	Haven	89.16	7.37	6.49	5.13	6.55	6.39
PPG	PPG-PR-432	89.01	7.33	6.86	5.28	6.08	6.38
NTR	APR2462	88.07	7.08	6.70	5.06	6.67	6.38
PST	New Sealand	88.15	7.10	6.53	5.29	6.57	6.38
NAI	NAI-LD52	89.29	7.41	6.43	4.94	6.68	6.36
PST	Silver Sun	88.97	7.32	6.79	5.01	6.23	6.34
PST	Brightstar SLT	88.77	7.27	6.63	4.98	6.47	6.34
NTR	APR2753	89.09	7.35	6.66	5.24	6.06	6.33
NTR	APR2946	89.23	7.39	6.63	5.12	6.16	6.32
NTR	APR2719	88.88	7.30	6.63	5.09	6.25	6.32
NTR	APR2977	87.88	7.03	6.54	5.14	6.49	6.30
NTR	APR2154	89.09	7.35	6.68	5.04	6.09	6.29
DLFPS	DLFPS-236-3585	88.29	7.14	7.02	5.16	5.79	6.28
SS	SEPR-3	87.78	7.00	6.59	5.22	6.30	6.28
NTR	APR2944	88.42	7.17	6.54	5.03	6.28	6.25
NTR	APR2790	87.88	7.03	6.37	5.28	6.27	6.24
NAI	Commander ST	88.16	7.11	6.45	5.30	6.10	6.24
PST	PST-2BD1	89.49	7.46	6.18	4.73	6.59	6.24
NAI	Notable	87.73	6.99	6.35	5.11	6.40	6.21
NAI	Prosport 4	87.35	6.89	6.31	5.35	6.19	6.18
NAI	NAI-17409	87.63	6.96	6.50	5.65	5.61	6.18
PST	Silverdollar	88.04	7.08	6.35	4.87	6.37	6.17
DLFPS	DLFPS-236-3024	88.88	7.30	6.12	4.56	6.45	6.11
PST	Carly	87.89	7.03	6.01	4.84	6.48	6.09
NAI	Allsport 5	86.98	6.79	6.30	5.10	6.15	6.09

**CTBT: 2018 Trial - 18CTLP12**  
**Perennial Ryegrass Turf Trial**  
**Location: Albany, OR**  
**Cooperator: Kenneth Hignight**

		Objective Data 2019-2020 Two-year Average					
SPONSOR	CULTIVAR	Percent Cover	Cover	Genetic Color	Density	Uniformity	Turf Quality
	CV	14.58	5.76	2.28	3.24	6.09	1.98
	LSD	1.07	0.35	0.21	0.23	0.52	0.17

2019-2020 Average Percent Cover = 0-100; 100= Most Cover (9 ratings)

2019-2020 Average Cover = 1-9; 9= Most Cover (9 ratings)

2019-2020 Average Genetic Color = 1-9; 9=Darkest (9 ratings)

2019-2020 Average Density= 1-9; 9=Most Dense (9 ratings)

2019-2020 Average Uniformity= 1-9; 9=Most Uniform (9 ratings)

2019-2020 Average Turf Quality = 1-9;9=Best (9 ratings)

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

2020 Data: Drought

		2019 - Drought								
SPONSOR	CULTIVAR	6/20/2019	6/26/2019	7/3/2019	7/8/2019	7/18/2019	7/25/2019	8/1/2019	8/8/2019	8/12/2019
PST	SYN 2HAF	96.82	96.00	94.85	92.04	79.42	63.66	36.41	21.10	8.91
NTR	APRT2835	95.73	94.34	92.36	90.22	76.07	50.72	12.40	5.66	1.12
PST	PST-2BAD	97.63	96.19	95.55	92.95	83.28	67.82	38.73	27.32	12.99
PST	PST-2FLAT	97.13	95.19	94.90	90.79	79.20	61.92	33.70	21.98	10.17
DLFPS	DLFPS-236-3024	97.66	96.75	93.57	93.53	83.36	73.11	46.69	31.97	20.11
DLFPS	DLFPS-236-3541	97.12	94.85	94.59	90.58	75.43	52.24	15.57	4.83	1.04
NTR	APR2944	96.87	95.90	92.16	90.12	72.39	49.66	12.00	8.53	2.28
PST	PST-2BET	96.62	94.69	95.15	91.84	79.11	54.18	14.76	16.98	4.95
NTR	APR2839	95.93	94.38	90.99	88.15	70.64	52.82	18.16	10.01	3.23
PST	PST-2GDS	97.40	96.07	95.79	92.64	80.88	61.88	27.71	10.31	2.87
PST	PST-2MAY	97.56	96.03	95.92	93.29	81.48	61.81	25.49	19.21	7.57
DLFPS	DLFPS-236-3579	96.97	95.51	94.89	91.12	80.27	60.08	23.77	12.72	3.49
PST	Silver Sun	96.18	94.95	92.97	91.66	74.96	58.28	20.59	11.99	3.79
PST	PST-2SHRP	97.17	93.72	92.54	88.10	69.98	47.04	16.47	11.69	3.78
PST	PST-2MKD	96.56	94.74	94.35	89.74	74.49	54.11	24.28	19.76	8.39
NTR	APR2440	94.51	91.83	90.55	84.72	70.04	47.17	10.67	7.37	1.50
SS	SEPR-1	96.25	94.79	93.64	90.17	75.15	51.55	14.18	9.41	2.66
NAI	Commander ST	96.07	94.86	90.99	88.86	70.91	47.00	9.66	5.73	1.34
PPG	Grandslam GLD	95.90	93.54	92.97	88.82	75.37	54.15	20.65	11.72	4.19
NTR	APR2616	97.08	95.28	94.08	91.10	75.88	53.27	16.62	11.30	3.92
DLFPS	DLFPS-236-3543	97.03	95.46	95.03	91.93	78.79	54.12	11.68	9.38	2.32
NTR	APR2853	96.61	94.88	92.91	88.18	73.53	52.40	17.25	9.94	3.66
NTR	APR2462	96.07	93.82	89.87	87.95	70.81	53.29	21.17	14.62	6.50
DLFPS	DLFPS-236-3586	96.45	94.96	93.96	91.02	76.70	56.25	19.42	13.74	5.24
PPG	PPG-PR-432	94.29	91.62	89.29	85.59	69.26	49.75	12.76	5.53	1.33
NTR	APR2154	98.11	96.81	94.25	92.05	79.80	59.57	18.14	11.65	3.25
NTR	APR2973	97.28	95.86	94.34	92.77	79.71	64.41	26.11	17.18	5.70
NTR	APR2237	97.21	95.20	94.37	91.57	73.02	47.95	13.61	10.21	2.93
NTR	APR2609	97.50	96.39	96.29	92.94	77.60	48.48	8.58	5.86	1.13
DLFPS	DLFPS-236-3538	96.67	93.70	93.50	90.77	78.07	57.24	20.07	4.76	1.10
DLFPS	Karma	95.75	94.20	93.07	90.76	79.01	64.16	32.44	22.16	11.31
PST	Brightstar SLT	94.76	93.39	90.60	86.91	67.91	49.94	16.31	12.55	4.35
PST	PST-2WHB	97.04	95.84	94.47	91.16	76.74	56.46	23.18	18.97	8.42
PST	PST-214	97.59	96.26	96.46	93.62	82.39	66.81	30.31	21.97	11.05
PST	Silver Sport	97.65	96.13	96.96	94.35	83.74	65.03	32.05	15.09	4.91
PPG	PPG-PR-342	96.39	95.17	94.04	89.35	73.47	49.08	11.20	6.58	1.51
PPG	PPG-PR-434	97.80	96.55	96.88	94.21	85.42	65.25	33.39	15.17	7.58
NTR	APR2846	97.45	96.61	95.05	92.91	79.78	62.47	20.76	15.71	4.79
PPG	PPG-PR-471	95.63	94.13	92.21	89.52	73.83	51.73	12.17	9.36	3.02
SS	SEPR-2	96.97	95.59	93.55	91.04	78.96	59.66	17.68	10.65	3.02
SS	Nexus XR	96.22	94.38	91.93	89.15	72.72	50.85	14.37	9.09	2.52
PST	PST-2BGL	97.00	95.33	95.09	90.42	77.39	57.09	16.00	10.44	2.42
NTR	APR2463	96.00	94.00	90.69	88.54	71.10	51.66	18.66	10.83	3.41
NAI	NAI-17409	92.75	89.60	84.81	81.91	63.78	41.91	9.91	8.92	2.97
PST	PST-2DRG	97.81	96.41	95.11	92.31	78.44	55.81	15.37	10.77	3.42
SS	Signet	97.22	95.31	94.35	91.72	81.58	61.56	17.50	10.54	4.03
NAI	NAI-LM3	96.80	95.36	93.91	91.45	78.76	60.71	21.48	16.02	6.10
NTR	APR2846	97.67	96.55	95.78	93.54	82.02	62.99	20.91	17.47	4.93
NTR	APR3060	96.40	95.71	94.30	91.71	78.59	55.52	14.12	11.32	3.40
DLFPS	DLFPS-236-3580	96.94	95.31	93.40	90.81	76.67	54.51	15.53	6.59	2.07
NTR	APR2856	97.50	95.53	94.35	91.70	77.32	53.34	18.70	17.95	7.28
SS	Nexus XD	96.67	95.18	93.49	90.88	76.33	60.11	27.43	20.97	8.55
DLFPS	DLFPS-236-3540	96.53	95.39	94.81	91.11	78.60	58.30	17.04	11.34	2.77
NAI	NAI-1422	96.15	94.15	93.22	90.75	78.22	58.35	17.75	13.36	4.27
PPG	PPG-PR-376	95.26	92.55	91.41	87.67	73.97	54.02	14.46	10.59	3.04
PST	Silverdollar	95.80	93.85	89.77	87.71	66.19	39.39	7.63	3.54	0.86
NTR	APR2848	97.29	96.14	93.70	91.65	75.64	51.33	15.86	9.06	2.58
PPG	PPG-PR-437	97.65	96.42	95.42	93.01	82.06	60.45	15.45	11.95	3.71
NTR	APR2977	96.59	94.49	90.19	87.61	67.45	46.69	13.23	8.42	2.40
SS	SEPR-106	96.13	94.43	94.93	91.13	76.13	49.25	10.42	9.06	2.55
DLFPS	DLFPS-236-3577	97.40	96.18	95.13	92.57	79.51	58.68	15.79	9.10	2.88
PPG	PPG-PR-229	97.67	96.43	96.65	94.43	85.36	67.33	25.64	19.83	7.71
NTR	Soprano	95.71	92.96	92.59	87.91	68.56	39.41	6.35	5.66	1.37
NTR	APR2703	96.87	96.28	95.04	92.24	77.43	51.40	10.08	8.93	3.30

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

2020 Data: Drought

		2019 - Drought								
SPONSOR	CULTIVAR	6/20/2019	6/26/2019	7/3/2019	7/8/2019	7/18/2019	7/25/2019	8/1/2019	8/8/2019	8/12/2019
PPG	PPG-PR-438	96.97	96.06	95.55	92.15	78.80	52.58	11.10	8.57	1.72
PST	PST-2E6	97.92	96.54	96.50	94.13	82.01	57.31	12.91	7.35	2.10
DLFPS	DLFPS-236-3584	96.96	95.16	94.98	91.62	79.54	57.93	19.36	7.91	2.12
PPG	PPG-PR-433	95.72	92.82	91.49	87.18	70.31	44.14	7.17	6.81	2.00
PST	PST-2BD1	97.72	96.79	94.53	93.65	79.89	61.01	22.97	14.93	5.74
NAI	NAI-LM2	96.87	95.26	94.24	92.39	77.73	56.85	18.78	13.60	4.52
DLFPS	DLFPS-236-3576	96.65	94.65	94.29	90.33	78.47	59.07	15.88	12.75	4.22
SS	SEPR-107	97.27	95.73	96.24	92.21	79.43	52.83	12.12	9.97	2.39
DLFPS	DLFPS-236-3542	97.44	95.55	95.76	93.17	80.67	59.71	21.12	15.05	5.49
DLFPS	DLFPS-236-3546	97.64	95.83	96.10	92.17	78.63	53.90	12.27	12.24	3.94
DLFPS	DLFPS-236-3583	96.87	95.49	92.52	90.36	74.24	53.24	15.52	10.89	3.43
NAI	NAI-17106	96.77	95.34	93.70	91.85	76.41	55.59	16.02	11.80	3.54
NTR	APR2617	96.75	94.20	91.92	86.79	70.13	42.92	8.52	4.15	0.71
DLFPS	DLFPS-236-3582	97.53	96.46	96.04	93.10	81.57	55.98	8.43	4.45	0.92
DLFPS	DLFPS-236-3575	97.12	95.60	94.75	90.54	79.31	61.22	23.94	17.62	7.03
SS	SEPR-N6	95.64	92.39	91.05	85.50	65.04	41.43	12.38	7.03	3.40
NTR	APR2685	96.58	95.26	91.58	89.97	73.70	47.38	9.97	7.25	1.66
NAI	NAI-17397	96.24	94.27	92.32	89.75	75.41	53.66	15.20	11.00	3.57
PST	Carly	94.91	93.35	89.00	88.65	69.16	41.25	7.33	3.32	0.87
NAI	Prospert 4	93.30	89.96	85.15	82.18	59.39	33.26	4.30	2.92	0.52
PPG	PPG-PR-477	97.45	95.79	94.92	91.59	78.83	55.89	12.22	8.74	2.39
PPG	PPG-PR-436	97.84	96.24	95.51	92.33	78.89	51.04	10.20	7.42	1.75
NTR	APR2719	96.60	94.50	90.96	87.89	70.60	51.33	12.82	9.31	2.41
PPG	PPG-PR-338	97.78	96.25	96.75	94.16	84.57	65.65	25.28	16.00	5.21
DLFPS	DLFPS-236-3547	96.96	95.01	95.05	90.08	76.20	44.76	6.50	4.30	1.14
NTR	APR2946	97.18	95.48	92.44	90.08	70.99	42.09	8.34	4.55	1.31
NTR	APR2790	94.80	92.52	87.61	86.59	68.23	43.08	5.03	3.17	0.56
NAI	Allsport 5	94.16	91.29	86.53	84.12	62.37	38.94	7.40	3.80	0.99
PPG	Homerun	97.11	95.51	94.60	92.14	78.37	54.87	12.39	8.37	2.55
PPG	PPG-PR-472	95.41	93.37	91.19	88.20	73.62	51.59	12.38	11.65	3.90
SS	SNX	95.72	93.32	91.70	86.27	67.91	43.09	8.71	7.01	1.45
NTR	APR2612	97.02	95.09	93.15	89.47	73.42	48.91	10.13	8.17	1.90
DLFPS	Allstar 3	97.56	95.59	94.63	91.07	75.99	51.95	12.25	7.95	2.43
NAI	Evolution	96.30	94.59	93.53	90.05	74.78	46.15	12.54	9.30	2.15
DLFPS	DLFPS-236-3581	96.92	96.10	94.54	92.12	79.72	55.07	11.14	7.95	2.20
DLFPS	DLFPS-236-3585	92.05	89.34	85.68	81.29	61.08	35.73	6.16	5.02	0.86
SS	Shield	97.10	95.41	95.67	92.14	78.14	49.45	7.62	5.00	0.85
PPG	PPG-PR-344	92.98	89.95	89.86	84.58	66.29	31.05	2.38	1.37	0.23
PPG	PPG-PR-435	96.66	95.45	94.84	90.78	75.89	41.44	4.42	3.64	0.69
DLFPS	DLFPS-236-3578	96.90	95.59	94.45	91.89	77.69	55.95	15.11	8.97	2.54
NTR	APR2637	96.55	95.08	93.19	90.35	75.02	47.15	8.33	6.71	1.84
PST	New Sealand	93.52	91.24	88.76	85.44	66.73	37.60	5.02	3.70	0.64
PPG	PPG-PR-310	97.97	96.38	95.63	92.77	78.13	51.69	9.48	5.41	1.25
NAI	Notable	92.56	88.16	84.56	81.06	58.67	33.72	5.18	2.93	0.72
PPG	PPG-PR-478	96.87	95.30	93.32	90.94	76.67	56.65	15.29	10.69	3.02
PPG	PPG-PR-368	97.87	95.89	95.57	92.41	78.21	50.16	9.03	5.21	1.21
SS	Haven	95.41	93.89	89.93	88.05	69.50	37.75	3.52	2.72	0.55
SS	SEPR-3	93.49	91.34	86.76	83.91	63.80	43.45	8.48	5.14	1.23
NTR	APR2753	95.60	94.19	91.06	89.00	69.19	43.85	9.35	5.47	1.59
NAI	NAI-LD52	97.53	95.64	93.27	92.75	76.69	56.28	17.57	10.62	4.08
	MIN. MEAN	92.05	88.16	84.56	81.06	58.67	31.05	2.38	1.37	0.23
	MAX. MEAN	98.11	96.81	96.96	94.43	85.42	73.11	46.69	31.97	20.11
	CV	0.70	1.10	1.51	1.80	4.79	12.80	41.45	41.82	63.89
	LSD	0.90	1.40	1.90	2.19	4.86	9.11	8.76	5.90	3.05

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

		2020 Drought					
SPONSOR	CULTIVAR	6/2/2020	7/2/2020	7/9/2020	7/16/2020	7/23/2020	7/29/2020
PST	SYN 2HAF	93.73	83.57	80.50	58.96	38.88	12.21
NTR	APRT2835	92.33	85.17	81.73	59.27	39.66	9.83
PST	PST-2BAD	93.30	84.93	81.17	61.71	39.72	8.92
PST	PST-2FLAT	92.07	82.67	79.93	55.79	36.51	7.68
DLFPS	DLFPS-236-3024	92.00	83.57	81.83	61.60	39.36	7.12
DLFPS	DLFPS-236-3541	94.87	85.87	82.23	54.32	28.55	5.73
NTR	APR2944	92.67	84.23	78.63	48.50	31.76	5.13
PST	PST-2BET	94.33	85.47	82.00	52.73	25.57	4.83
NTR	APR2839	89.97	79.77	75.67	54.36	28.49	4.45
PST	PST-2GDS	94.40	85.40	81.93	51.44	26.40	4.08
PST	PST-2MAY	93.60	84.03	79.20	53.92	32.83	3.99
DLFPS	DLFPS-236-3579	93.43	84.03	78.57	42.71	22.86	3.94
PST	Silver Sun	90.97	79.40	73.40	48.60	24.67	3.88
PST	PST-2SHRP	92.07	79.33	72.13	35.73	18.84	3.45
PST	PST-2MKD	93.43	81.87	77.83	47.40	24.18	3.45
NTR	APR2440	93.40	85.07	82.13	53.83	31.76	3.26
SS	SEPR-1	93.47	85.50	79.73	57.97	29.22	3.09
NAI	Commander ST	91.00	80.47	75.93	51.27	24.69	2.89
PPG	Grandslam GLD	94.67	86.10	81.50	51.07	24.70	2.87
NTR	APR2616	92.87	82.23	78.53	52.31	24.79	2.85
DLFPS	DLFPS-236-3543	93.40	84.10	79.93	54.26	26.73	2.84
NTR	APR2853	89.23	76.63	69.63	37.59	17.39	2.80
NTR	APR2462	91.87	81.47	76.03	44.54	23.40	2.72
DLFPS	DLFPS-236-3586	92.23	82.77	78.43	54.70	25.05	2.48
PPG	PPG-PR-432	90.47	78.80	73.50	49.59	21.20	2.44
NTR	APR2154	93.13	84.37	79.67	46.14	22.24	2.35
NTR	APR2973	93.07	83.60	77.57	45.75	22.55	2.31
NTR	APR2237	93.53	84.03	79.37	48.34	23.57	2.29
NTR	APR2609	94.07	83.60	79.27	47.02	22.22	2.27
DLFPS	DLFPS-236-3538	92.20	82.27	77.07	45.48	21.49	2.25
DLFPS	Karma	93.70	84.70	82.13	54.73	27.00	2.22
PST	Brightstar SLT	89.47	79.10	73.17	45.89	22.09	2.19
PST	PST-2WHB	91.83	81.30	76.67	48.60	26.97	2.17
PST	PST-214	94.40	85.83	80.57	45.79	19.58	2.13
PST	Silver Sport	93.93	83.67	77.73	40.20	17.18	2.09
PPG	PPG-PR-342	93.53	85.30	82.60	59.16	27.35	2.09
PPG	PPG-PR-434	93.73	81.97	76.70	31.59	15.46	2.05
NTR	APR2846	92.10	81.47	76.90	40.97	23.17	2.03
PPG	PPG-PR-471	91.63	81.17	76.43	47.80	19.95	1.97
SS	SEPR-2	93.17	83.90	78.03	41.97	21.71	1.89
SS	Nexus XR	91.03	79.63	73.40	42.04	20.84	1.88
PST	PST-2BGL	93.93	85.40	80.27	46.41	21.61	1.83
NTR	APR2463	90.50	78.83	73.30	40.50	18.60	1.81
NAI	NAI-17409	90.30	81.83	75.63	45.31	20.88	1.81
PST	PST-2DRG	92.37	81.77	73.47	40.17	15.09	1.81
SS	Signet	94.10	85.43	81.17	49.56	23.31	1.79
NAI	NAI-LM3	93.00	83.63	78.03	48.57	22.68	1.77
NTR	APR2846	92.70	83.27	79.40	37.19	18.77	1.77
NTR	APR3060	93.03	83.47	79.13	44.55	21.01	1.75
DLFPS	DLFPS-236-3580	92.90	83.07	77.63	41.08	18.63	1.74
NTR	APR2856	92.03	80.43	76.07	40.04	21.72	1.71
SS	Nexus XD	89.70	77.27	70.07	37.72	18.90	1.70
DLFPS	DLFPS-236-3540	91.13	78.57	73.03	39.66	20.01	1.66
NAI	NAI-1422	91.83	81.37	78.03	44.36	19.87	1.62
PPG	PPG-PR-376	90.10	80.87	74.53	51.20	22.97	1.58
PST	Silverdollar	90.93	77.07	70.30	32.39	12.27	1.51
NTR	APR2848	91.03	79.33	71.10	41.10	19.53	1.50
PPG	PPG-PR-437	93.37	84.10	79.27	48.68	17.87	1.48
NTR	APR2977	89.67	79.07	71.93	37.12	16.31	1.37
SS	SEPR-106	93.47	84.43	78.83	50.35	22.25	1.36
DLFPS	DLFPS-236-3577	93.47	83.67	80.37	48.91	20.60	1.34
PPG	PPG-PR-229	94.93	86.63	82.27	45.80	20.56	1.34
NTR	Soprano	92.30	81.77	74.47	39.07	16.47	1.33
NTR	APR2703	92.43	81.17	76.60	33.30	14.16	1.32

CTBT: 2018 Trial - 18CTLP12  
 Perennial Ryegrass Turf Trial  
 Location: Albany, OR  
 Cooperator: Kenneth Hignight

		2020 Drought					
SPONSOR	CULTIVAR	6/2/2020	7/2/2020	7/9/2020	7/16/2020	7/23/2020	7/29/2020
PPG	PPG-PR-438	93.17	82.83	78.43	40.97	19.56	1.32
PST	PST-2E6	95.13	85.37	80.73	46.94	18.42	1.20
DLFPS	DLFPS-236-3584	92.43	82.07	76.17	35.87	16.22	1.17
PPG	PPG-PR-433	92.20	81.33	75.40	41.56	17.77	1.16
PST	PST-2BD1	92.47	82.40	76.67	38.42	15.41	1.15
NAI	NAI-LM2	92.43	81.10	74.27	41.32	14.49	1.12
DLFPS	DLFPS-236-3576	92.67	81.63	79.03	41.62	16.87	1.11
SS	SEPR-107	93.17	82.67	75.60	43.53	17.66	1.08
DLFPS	DLFPS-236-3542	93.50	82.70	75.47	32.48	15.81	1.05
DLFPS	DLFPS-236-3546	93.47	83.10	77.53	39.22	15.94	1.00
DLFPS	DLFPS-236-3583	92.40	81.73	76.83	47.47	18.52	0.99
NAI	NAI-17106	92.13	80.23	73.37	26.65	13.90	0.99
NTR	APR2617	89.20	74.00	64.63	16.02	8.79	0.99
DLFPS	DLFPS-236-3582	93.17	84.10	79.17	44.88	17.01	0.94
DLFPS	DLFPS-236-3575	90.83	76.77	70.87	26.50	11.68	0.93
SS	SEPR-N6	90.67	76.77	69.93	35.58	14.36	0.93
NTR	APR2685	90.67	78.93	71.87	36.60	13.10	0.93
NAI	NAI-17397	92.50	81.67	75.67	38.04	14.87	0.89
PST	Carly	89.00	75.50	68.00	33.38	13.72	0.88
NAI	Prosport 4	89.17	77.47	72.27	35.90	14.77	0.86
PPG	PPG-PR-477	93.37	83.63	78.90	46.02	19.74	0.84
PPG	PPG-PR-436	92.10	81.83	77.63	41.70	15.17	0.81
NTR	APR2719	89.93	78.97	72.27	40.14	15.83	0.77
PPG	PPG-PR-338	94.17	84.87	77.47	31.83	13.39	0.77
DLFPS	DLFPS-236-3547	93.83	85.23	80.13	41.35	14.01	0.77
NTR	APR2946	91.37	79.50	72.57	24.71	9.83	0.71
NTR	APR2790	90.73	79.47	72.30	37.09	13.10	0.70
NAI	Allsport 5	89.00	75.03	66.47	26.51	9.27	0.69
PPG	Homerun	93.50	82.97	75.63	33.23	12.69	0.69
PPG	PPG-PR-472	92.60	82.33	75.77	37.75	14.16	0.69
SS	SNX	91.87	79.93	72.97	29.76	11.42	0.64
NTR	APR2612	89.57	76.33	69.37	31.28	13.62	0.64
DLFPS	Allstar 3	93.30	82.07	75.80	42.86	17.49	0.62
NAI	Evolution	92.97	83.77	79.33	46.38	14.90	0.62
DLFPS	DLFPS-236-3581	92.07	78.73	73.00	36.41	11.45	0.60
DLFPS	DLFPS-236-3585	87.30	76.00	69.13	29.72	12.70	0.60
SS	Shield	91.80	80.37	74.00	29.25	11.54	0.60
PPG	PPG-PR-344	90.93	77.37	72.20	35.06	9.98	0.59
PPG	PPG-PR-435	90.93	77.10	69.57	30.52	9.94	0.55
DLFPS	DLFPS-236-3578	92.33	82.00	75.00	39.03	12.94	0.52
NTR	APR2637	93.27	84.00	78.07	37.15	13.56	0.46
PST	New Sealand	90.10	76.13	67.80	26.30	9.52	0.45
PPG	PPG-PR-310	92.40	81.00	72.67	27.38	8.47	0.42
NAI	Notable	88.93	75.40	67.87	31.69	8.64	0.36
PPG	PPG-PR-478	90.93	78.77	72.30	34.41	11.07	0.36
PPG	PPG-PR-368	93.63	83.20	76.10	24.03	7.44	0.29
SS	Haven	91.77	80.20	73.60	31.98	8.94	0.28
SS	SEPR-3	86.67	73.10	65.57	33.25	9.55	0.23
NTR	APR2753	89.17	73.33	62.07	23.28	6.99	0.20
NAI	NAI-LD52	89.67	73.50	63.07	22.87	6.53	0.20
	MIN. MEAN	86.67	73.10	62.07	16.02	6.53	0.20
	MAX. MEAN	95.13	86.63	82.60	61.71	39.72	12.21
	CV	1.65	4.01	5.75	23.63	38.72	110.84
	LSD	2.05	4.40	5.87	13.29	9.93	2.96

CTBT: 2018 Trial - 18CTLP11  
 Perennial Ryegrass Turf Trial  
 Location: Canby, OR  
 Cooperator: Crystal Fricker

2020 Data

SPONSOR	CULTIVAR	Subjective Data				
		Winter Turf Quality 2019	Average Turf Quality 2019	Winter Turf Quality 2020	Average Turf Quality 2020	Average Turf Quality 2019-2020
PST	Silver Sport	7.67	7.00	7.67	7.10	7.05
PST	PST-214	7.33	7.00	7.33	6.60	6.80
PST	SYN 2HAF	7.00	6.74	7.33	6.47	6.60
DLFPS	DLFPS-236-3576	6.00	6.63	6.00	6.57	6.60
PST	PST-2SHRP	7.00	6.33	7.00	6.87	6.60
DLFPS	DLFPS-236-3546	7.33	6.48	7.67	6.70	6.59
PST	PST-2GDS	5.67	6.52	5.67	6.67	6.59
SS	Shield	6.33	6.34	6.33	6.80	6.57
DLFPS	DLFPS-236-3578	6.67	6.52	6.67	6.53	6.52
PPG	PPG-PR-437	6.67	6.55	6.67	6.43	6.50
PST	PST-2MKD	6.67	6.56	6.33	6.40	6.48
PPG	PPG-PR-471	6.33	6.82	6.33	6.10	6.46
PPG	PPG-PR-229	6.67	6.45	7.00	6.47	6.46
DLFPS	DLFPS-236-3581	5.67	6.37	5.33	6.50	6.43
DLFPS	DLFPS-236-3582	6.67	6.48	6.33	6.37	6.42
PPG	PPG-PR-477	5.67	6.89	6.00	5.93	6.41
PPG	PPG-PR-436	6.00	6.41	6.33	6.40	6.40
PPG	PPG-PR-435	6.00	6.70	6.33	6.07	6.38
SS	SEPR-107	7.00	6.52	7.67	6.23	6.38
PST	PST-2FLAT	6.33	6.18	5.67	6.53	6.36
DLFPS	DLFPS-236-3542	6.33	6.29	6.33	6.40	6.35
PPG	PPG-PR-338	6.33	6.26	6.33	6.43	6.35
DLFPS	DLFPS-236-3579	6.00	6.48	6.00	6.20	6.34
PST	PST-2BGL	6.00	6.37	7.00	6.30	6.34
DLFPS	DLFPS-236-3543	6.67	6.18	6.67	6.47	6.32
NTR	APR2616	6.33	6.56	6.67	6.07	6.31
PPG	PPG-PR-344	6.67	5.89	6.67	6.73	6.31
SS	Nexus XD	6.00	6.63	6.33	5.97	6.30
PPG	PPG-PR-434	6.67	6.56	6.33	6.03	6.30
DLFPS	DLFPS-236-3541	5.67	6.19	6.00	6.40	6.29
PPG	PPG-PR-433	6.33	6.19	6.33	6.40	6.29
SS	Signet	5.33	6.15	5.67	6.43	6.29
PPG	PPG-PR-478	5.33	6.11	5.00	6.40	6.25
DLFPS	DLFPS-236-3575	6.33	5.93	6.33	6.57	6.25
PPG	PPG-PR-310	6.00	6.48	6.00	6.00	6.24
PPG	PPG-PR-376	5.33	6.15	5.33	6.33	6.24
DLFPS	DLFPS-236-3547	6.33	6.18	6.00	6.27	6.23

CTBT: 2018 Trial - 18CTLP11  
 Perennial Ryegrass Turf Trial  
 Location: Canby, OR  
 Cooperator: Crystal Fricker

2020 Data

SPONSOR	CULTIVAR	Subjective Data				
		Winter Turf Quality 2019	Average Turf Quality 2019	Winter Turf Quality 2020	Average Turf Quality 2020	Average Turf Quality 2019-2020
NTR	APR2609	7.00	6.55	6.67	5.87	6.21
DLFPS	Allstar 3	6.67	6.33	7.00	6.07	6.20
NAI	NAI-LD52	4.67	6.04	4.67	6.33	6.18
PST	PST-2DRG	5.67	6.00	5.67	6.37	6.18
NAI	NAI-LM2	6.00	6.52	6.00	5.83	6.18
DLFPS	DLFPS-236-3586	6.00	6.37	6.33	5.97	6.17
PPG	PPG-PR-368	6.00	6.07	6.00	6.23	6.16
SS	Nexus XR	6.00	6.29	6.00	6.00	6.15
NTR	Soprano	6.33	6.33	6.00	5.90	6.12
DLFPS	DLFPS-236-3540	6.33	6.22	6.00	6.00	6.11
DLFPS	DLFPS-236-3538	5.67	6.11	5.33	6.10	6.10
NTR	APR2612	6.00	6.18	6.00	6.00	6.09
DLFPS	DLFPS-236-3583	5.67	6.11	5.67	6.07	6.09
PST	PST-2BET	5.67	6.11	5.67	6.03	6.07
DLFPS	DLFPS-236-3577	6.00	6.11	5.67	6.00	6.05
SS	SEPR-106	6.00	6.30	6.33	5.80	6.05
DLFPS	DLFPS-236-3584	5.67	6.18	5.67	5.87	6.03
DLFPS	DLFPS-236-3580	5.00	6.00	5.00	6.03	6.02
PPG	PPG-PR-342	5.67	6.34	5.67	5.67	6.00
PPG	PPG-PR-432	6.00	5.74	5.67	6.27	6.00
PST	PST-2BAD	6.00	5.85	6.00	6.13	5.99
NTR	APR2617	6.00	6.07	6.00	5.90	5.99
PST	PST-2E6	6.67	6.00	6.33	5.97	5.99
NAI	NAI-17106	5.67	6.04	5.67	5.93	5.98
SS	SEPR-1	5.33	5.85	5.33	6.10	5.98
NTR	APR3060	5.00	6.11	5.67	5.80	5.95
SS	SNX	5.33	6.26	5.33	5.60	5.93
PPG	PPG-PR-438	6.00	6.08	6.00	5.70	5.89
PST	PST-2MAY	5.67	5.85	5.67	5.93	5.89
PPG	Grandslam GLD	5.67	5.78	5.67	6.00	5.89
NAI	NAI-1422	5.33	5.96	5.33	5.77	5.86
PST	PST-2WHB	6.33	6.22	6.00	5.50	5.86
NTR	APR2719	5.67	6.00	5.00	5.63	5.82
DLFPS	DLFPS-236-3585	5.67	5.74	5.67	5.80	5.77
PST	Brightstar SLT	5.00	5.96	5.00	5.57	5.77
PST	Silver Sun	5.00	5.92	5.33	5.60	5.76
NTR	APR2237	6.00	6.07	5.67	5.37	5.72



CTBT: 2018 Trial - 18CTLP11  
 Perennial Ryegrass Turf Trial  
 Location: Canby, OR  
 Cooperator: Crystal Fricker

2020 Data

		Subjective Data				
SPONSOR	CULTIVAR	Winter Turf Quality 2019	Average Turf Quality 2019	Winter Turf Quality 2020	Average Turf Quality 2020	Average Turf Quality 2019-2020
NAI	NAI-LM3	5.00	6.00	5.33	5.43	5.72
NTR	APR2463	4.33	5.78	4.33	5.63	5.71
NTR	APR2846	4.67	6.15	4.67	5.27	5.71
NTR	APR2440	5.33	5.67	5.33	5.73	5.70
NTR	APR2846	5.33	5.96	5.33	5.43	5.70
PPG	PPG-PR-472	5.33	5.70	6.00	5.63	5.67
PST	PST-2BD1	5.33	5.81	5.33	5.50	5.66
SS	SEPR-N6	6.00	5.96	6.33	5.30	5.63
NTR	APR2856	5.33	5.63	5.00	5.60	5.61
DLFPS	Karma	5.33	5.93	5.33	5.30	5.61
NTR	APR2848	5.00	5.85	5.67	5.37	5.61
PST	Silverdollar	5.00	5.74	5.33	5.47	5.61
PPG	Homerun	5.67	5.63	5.33	5.57	5.60
SS	SEPR-3	4.67	5.78	4.67	5.27	5.52
PST	New Sealand	5.00	5.85	5.00	5.17	5.51
NTR	APR2839	4.67	5.48	5.00	5.53	5.51
NTR	APR2753	5.33	5.48	5.00	5.53	5.51
NTR	APR2977	5.33	5.59	5.00	5.40	5.50
NTR	APR2703	5.67	5.70	5.67	5.27	5.49
SS	SEPR-2	5.00	5.78	5.00	5.20	5.49
NTR	APR2685	4.67	5.74	5.00	5.17	5.45
NTR	APR2973	5.00	5.63	5.00	5.27	5.45
NTR	APR2154	5.00	5.33	4.67	5.57	5.45
NTR	APR2946	5.00	5.74	5.00	5.13	5.44
NTR	APR2853	5.67	5.45	5.33	5.33	5.39
NTR	APR2637	5.00	5.44	4.67	5.33	5.39
NAI	Evolution	4.67	5.41	4.67	5.37	5.38
SS	Haven	5.00	5.33	5.00	5.40	5.37
NAI	NAI-17397	5.00	5.30	5.00	5.17	5.23
NTR	APR2790	5.00	5.00	5.00	5.43	5.22
NTR	APR2462	5.33	5.15	5.00	5.27	5.21
NAI	Notable	4.67	5.30	4.67	4.93	5.12
NTR	APR2944	5.00	5.48	4.67	4.70	5.09
PST	Carly	4.33	5.22	4.33	4.90	5.06
NAI	Commander ST	4.67	5.15	4.00	4.60	4.87
DLFPS	DLFPS-236-3024	4.67	5.34	4.67	4.37	4.85
NAI	Allsport 5	4.00	5.00	4.00	4.43	4.72

CTBT: 2018 Trial - 18CTLP11  
 Perennial Ryegrass Turf Trial  
 Location: Canby, OR  
 Cooperator: Crystal Fricker

2020 Data

		Subjective Data				
SPONSOR	CULTIVAR	Winter Turf Quality 2019	Average Turf Quality 2019	Winter Turf Quality 2020	Average Turf Quality 2020	Average Turf Quality 2019-2020
NAI	Prosport 4	3.67	4.78	4.00	4.57	4.67
NTR	APRT2835	4.00	4.93	4.00	4.33	4.63
NAI	NAI-17409	4.00	4.56	3.67	4.23	4.39
	CV	11.34	6.18	12.63	7.18	5.21
	LSD	0.87	0.50	0.97	0.56	0.42

2019 Winter Turf Quality = 1-9; 9 = Best (1 rating)  
 2019 Average Turf Quality = 1-9; 9 = Best (9 ratings)  
 2020 Winter Turf Quality = 1-9; 9 = Best (1 rating)  
 2020 Average Turf Quality = 1-9; 9 = Best (10 ratings)  
 2019-2020 Average Turf Quality = 1-9; 9 = Best (19 ratings)

CTBT: 2018 Trial - 18CTLP24  
 Perennial Ryegrass Turf Trial  
 Location: Corvallis, OR  
 Cooperator: Steve Johnson

2020 Data

SPONSOR	CULTIVAR	Subjective Data			
		Average Turf Quality 2019	Average Turf Quality 2020	Leaf Spot	Average Turf Quality 2019-2020
SS	SEPR-107	6.37	5.58	5.33	5.97
DLFPS	DLFPS-236-3541	6.17	5.64	5.33	5.90
PPG	PPG-PR-436	5.87	5.83	5.33	5.85
PST	PST-2WHB	6.20	5.42	4.00	5.81
DLFPS	DLFPS-236-3542	6.17	5.42	5.33	5.79
PST	SYN 2HAF	6.13	5.39	5.00	5.76
PST	PST-2SHRP	6.27	5.22	5.33	5.74
PPG	PPG-PR-434	5.67	5.64	4.33	5.65
PST	PST-2GDS	6.00	5.30	5.00	5.65
PPG	PPG-PR-435	5.93	5.33	4.67	5.64
DLFPS	DLFPS-236-3547	5.83	5.42	6.00	5.63
DLFPS	DLFPS-236-3575	5.97	5.11	3.67	5.54
PPG	PPG-PR-344	5.63	5.44	5.00	5.54
DLFPS	DLFPS-236-3546	5.70	5.33	4.67	5.52
DLFPS	DLFPS-236-3540	5.87	5.16	4.67	5.51
PST	PST-214	5.77	5.25	5.33	5.51
PPG	PPG-PR-477	5.83	5.14	5.00	5.49
DLFPS	DLFPS-236-3543	5.90	5.06	3.67	5.48
DLFPS	DLFPS-236-3582	5.70	5.22	5.67	5.46
SS	SEPR-106	6.23	4.67	5.67	5.45
DLFPS	DLFPS-236-3584	5.93	4.95	4.67	5.44
NTR	APR2609	5.77	5.08	4.67	5.43
DLFPS	DLFPS-236-3576	5.93	4.86	4.00	5.40
PST	PST-2MKD	5.83	4.89	5.00	5.36
PPG	PPG-PR-342	5.67	5.05	4.67	5.36
DLFPS	DLFPS-236-3581	5.57	5.14	4.33	5.35
DLFPS	Allstar 3	5.83	4.86	5.00	5.35
PST	PST-2BGL	5.77	4.92	3.33	5.34
PPG	PPG-PR-437	5.70	4.89	4.33	5.30
PPG	PPG-PR-310	5.47	5.11	4.67	5.29
PPG	PPG-PR-438	5.63	4.94	5.00	5.29
PPG	PPG-PR-471	5.87	4.69	4.67	5.28
PST	PST-2MAY	5.83	4.69	5.00	5.26
PST	PST-2E6	5.73	4.78	4.33	5.26
PPG	PPG-PR-478	5.63	4.86	4.33	5.25
DLFPS	DLFPS-236-3578	5.57	4.92	4.33	5.24
DLFPS	DLFPS-236-3579	5.73	4.75	4.00	5.24
PST	PST-2BAD	5.60	4.83	5.00	5.21
PST	PST-2FLAT	5.47	4.94	4.67	5.20
DLFPS	DLFPS-236-3577	5.73	4.67	3.67	5.20
PST	Silver Sport	5.40	4.95	4.67	5.17
PPG	PPG-PR-229	5.67	4.67	4.33	5.17
PPG	PPG-PR-338	5.47	4.80	4.33	5.13
SS	SEPR-N6	5.70	4.56	4.67	5.13
NTR	Soprano	5.23	5.00	4.67	5.12
SS	Shield	5.30	4.92	4.00	5.11
PPG	PPG-PR-368	5.17	4.86	4.33	5.01
NAI	NAI-17106	5.47	4.53	4.33	5.00
PPG	Grandslam GLD	5.27	4.69	4.33	4.98
NTR	APR2616	5.20	4.75	3.67	4.98
SS	Signet	5.30	4.64	4.33	4.97
DLFPS	DLFPS-236-3583	5.33	4.56	4.00	4.94
PST	PST-2DRG	5.47	4.39	3.67	4.93
DLFPS	DLFPS-236-3580	5.37	4.47	3.33	4.92
NTR	APR2703	5.17	4.58	4.33	4.88
DLFPS	DLFPS-236-3586	5.37	4.36	4.67	4.87
SS	SEPR-1	5.63	4.09	3.67	4.86
PPG	PPG-PR-433	5.40	4.25	4.00	4.83
DLFPS	Karma	5.23	4.17	4.33	4.70
DLFPS	DLFPS-236-3585	5.20	4.19	3.33	4.70
PPG	PPG-PR-472	4.97	4.42	3.67	4.69
PST	PST-2BET	5.27	4.11	3.33	4.69

SPONSOR	CULTIVAR	Subjective Data			
		Average Turf Quality 2019	Average Turf Quality 2020	Leaf Spot	Average Turf Quality 2019-2020
PPG	PPG-PR-376	4.87	4.42	4.00	4.64
PST	PST-2BD1	4.93	4.31	2.00	4.62
PPG	PPG-PR-432	4.87	4.25	3.33	4.56
NTR	APR2973	4.70	4.25	2.33	4.48
NAI	NAI-LM3	5.03	3.92	4.00	4.47
NTR	APR2848	4.57	4.36	2.67	4.46
SS	Nexus XD	5.20	3.64	3.67	4.42
SS	SNX	5.03	3.78	3.33	4.41
NAI	NAI-1422	5.10	3.70	4.00	4.40
NTR	APR2237	4.57	4.22	3.33	4.39
NAI	NAI-LM2	4.97	3.81	2.67	4.39
DLFPS	DLFPS-236-3538	4.70	4.06	3.33	4.38
SS	Nexus XR	5.03	3.69	3.67	4.37
NTR	APR2853	4.63	4.08	3.00	4.36
NTR	APR2612	4.47	4.22	3.33	4.35
DLFPS	DLFPS-236-3024	4.70	3.94	1.00	4.32
NAI	Evolution	4.80	3.83	4.67	4.32
NTR	APR2440	4.40	4.22	4.67	4.31
PST	Brightstar SLT	4.83	3.67	3.67	4.25
NTR	APR2753	4.10	4.31	4.00	4.20
NAI	NAI-LD52	4.47	3.83	3.00	4.15
NTR	APR2719	4.40	3.86	2.67	4.13
PST	Silver Sun	4.57	3.67	3.00	4.12
PPG	Homerun	4.47	3.69	3.33	4.08
NTR	APR2856	4.30	3.86	3.33	4.08
NTR	APR2946	4.43	3.69	3.00	4.06
NTR	APR2463	4.47	3.56	3.00	4.01
PST	New Sealand	4.27	3.72	2.67	3.99
NTR	APR3060	4.23	3.72	3.33	3.98
SS	SEPR-3	4.47	3.47	2.67	3.97
SS	SEPR-2	4.43	3.47	3.00	3.95
NTR	APR2839	4.27	3.64	2.67	3.95
NTR	APR2154	4.33	3.39	2.00	3.87
NTR	APR2846	4.07	3.64	3.00	3.85
NTR	APR2637	4.07	3.50	3.00	3.78
NTR	APR2846	3.87	3.64	2.00	3.75
SS	Haven	3.97	3.33	3.00	3.65
NTR	APR2977	3.93	3.34	1.67	3.63
NTR	APR2944	3.83	3.42	2.00	3.63
NAI	NAI-17397	4.17	3.08	2.67	3.62
PST	Silverdollar	3.80	3.28	2.33	3.54
NTR	APR2617	3.83	3.11	3.33	3.47
NTR	APR2462	3.80	3.06	1.67	3.43
NTR	APR2685	3.60	3.20	2.67	3.40
NTR	APR2835	3.90	2.89	3.00	3.40
NTR	APR2790	3.37	3.19	1.33	3.28
PST	Carly	3.40	2.97	1.67	3.19
NAI	Allsport 5	3.23	2.92	1.67	3.08
NAI	Notable	3.37	2.75	2.00	3.05
NAI	Prosport 4	3.27	2.61	1.00	2.94
NAI	Commander ST	3.17	2.61	1.67	2.89
NAI	NAI-17409	2.87	2.42	1.33	2.64
	<b>CV</b>	6.47	8.03	20.98	6.04
	<b>LSD</b>	0.44	0.47	1.05	0.38

2019 Average Turf Quality = 1-9; 9 = Best (10 ratings)  
 2020 Average Turf Quality = 1-9; 9 = Best (12 ratings)  
 2019-2020 Average Turf Quality = 1-9; 9 = Best (20 ratings)  
  
 2020 Leaf Spot = 1-9; 9 = Best (1 Rating)

CTBT: 2018 Trial - 18CTLP22  
 Perennial Ryegrass Turf Trial  
 Location: Reading, PA  
 Cooperator: Dr. Michael Fidanza

2020 Data

SPONSOR	CULTIVAR	Objective Data		
		Average Turf Quality 2019	Average Turf Quality 2020	Average Turf Quality 2019-2020
SS	SNX	6.83	7.00	6.92
NTR	APR2237	7.08	6.71	6.89
SS	SEPR-N6	6.71	6.96	6.84
PPG	PPG-PR-471	6.75	6.81	6.79
PST	PST-2FLAT	6.79	6.63	6.71
PST	PST-2SHRP	6.62	6.67	6.64
PST	PST-2WHB	6.67	6.56	6.61
PST	PST-2MKD	6.66	6.48	6.58
PST	PST-2BAD	6.37	6.70	6.54
NTR	APRT2835	6.58	6.45	6.52
DLFPS	DLFPS-236-3540	6.54	6.48	6.51
SS	SEPR-107	6.71	6.30	6.51
PPG	PPG-PR-438	6.46	6.52	6.49
PST	PST-214	6.46	6.48	6.47
DLFPS	DLFPS-236-3541	6.62	6.30	6.46
SS	SEPR-106	6.50	6.37	6.44
PST	SYN 2HAF	6.46	6.33	6.40
NTR	APR2848	6.42	6.30	6.36
PST	PST-2GDS	6.37	6.33	6.36
PPG	PPG-PR-342	6.37	6.33	6.35
NTR	APR3060	6.17	6.48	6.33
PST	Silver Sport	6.12	6.45	6.29
PPG	PPG-PR-433	6.21	6.33	6.28
NTR	APR2609	6.13	6.37	6.25
NTR	Soprano	6.17	6.33	6.25
PPG	PPG-PR-435	6.12	6.33	6.23
SS	Shield	6.00	6.44	6.22
PPG	PPG-PR-436	5.96	6.48	6.22
DLFPS	DLFPS-236-3582	6.17	6.26	6.21
NTR	APR2839	6.25	6.15	6.20
NTR	APR2440	6.33	6.04	6.19
DLFPS	DLFPS-236-3543	6.17	6.19	6.18
DLFPS	DLFPS-236-3585	6.17	6.18	6.18
PPG	PPG-PR-338	6.17	6.15	6.16
PPG	PPG-PR-437	6.04	6.26	6.15
PST	PST-2DRG	6.08	6.22	6.15
PST	PST-2BGL	6.13	6.11	6.12
PPG	PPG-PR-310	5.79	6.44	6.12
PPG	PPG-PR-472	6.08	6.15	6.12
SS	Nexus XD	6.33	5.89	6.11
PPG	PPG-PR-478	6.29	5.93	6.11
SS	SEPR-3	6.21	6.00	6.11
DLFPS	DLFPS-236-3576	6.13	6.07	6.10
DLFPS	DLFPS-236-3547	6.16	6.04	6.10
DLFPS	Karma	6.17	6.04	6.10
NTR	APR2637	6.04	6.15	6.10
NAI	NAI-1422	6.12	6.07	6.10
NTR	APR2946	6.08	6.11	6.10
DLFPS	DLFPS-236-3546	6.00	6.18	6.09
NTR	APR2612	6.04	6.11	6.08
NTR	APR2719	5.92	6.22	6.07
PPG	PPG-PR-344	6.12	5.96	6.04
PPG	PPG-PR-376	6.04	6.04	6.04
DLFPS	DLFPS-236-3579	6.17	5.89	6.03
DLFPS	DLFPS-236-3581	6.13	5.93	6.03
PST	PST-2BET	6.13	5.89	6.01
NTR	APR2856	6.08	5.93	6.01

SPONSOR	CULTIVAR	Objective Data		
		Average Turf Quality 2019	Average Turf Quality 2020	Average Turf Quality 2019-2020
PPG	PPG-PR-432	5.71	6.26	5.98
NTR	APR2616	6.04	5.85	5.95
DLFPS	DLFPS-236-3578	5.88	6.00	5.94
PPG	PPG-PR-229	5.92	5.96	5.94
NAI	NAI-17106	5.83	6.04	5.94
NTR	APR2685	6.04	5.81	5.93
NAI	NAI-LD52	5.96	5.89	5.93
PPG	PPG-PR-477	5.83	6.00	5.92
DLFPS	DLFPS-236-3580	6.09	5.74	5.92
PST	PST-2MAY	5.92	5.89	5.91
NAI	Evolution	5.88	5.92	5.90
NTR	APR2973	6.04	5.74	5.89
NTR	APR2846	6.21	5.56	5.89
NTR	APR2154	5.87	5.89	5.88
NAI	NAI-LM3	5.83	5.93	5.88
DLFPS	DLFPS-236-3577	6.04	5.71	5.88
DLFPS	DLFPS-236-3542	5.92	5.82	5.87
NTR	APR2617	5.58	6.15	5.87
NTR	APR2944	5.87	5.85	5.87
DLFPS	DLFPS-236-3538	5.75	5.96	5.86
PPG	Grandslam GLD	5.75	5.96	5.86
NTR	APR2853	5.87	5.82	5.85
NTR	APR2463	5.75	5.93	5.84
NTR	APR2753	5.71	5.96	5.84
DLFPS	DLFPS-236-3586	6.00	5.67	5.83
DLFPS	DLFPS-236-3584	6.25	5.41	5.83
DLFPS	Allstar 3	5.87	5.78	5.83
DLFPS	DLFPS-236-3575	6.04	5.59	5.82
NTR	APR2977	6.00	5.56	5.78
NTR	APR2703	5.67	5.89	5.78
SS	Signet	5.63	5.93	5.78
PST	PST-2E6	5.92	5.63	5.78
DLFPS	DLFPS-236-3583	5.83	5.67	5.75
PST	New Sealand	6.00	5.48	5.74
SS	Nexus XR	5.75	5.70	5.73
PST	Silver Sun	5.71	5.74	5.73
PPG	Homerun	6.00	5.44	5.72
SS	SEPR-2	5.42	5.96	5.69
PPG	PPG-PR-368	5.75	5.63	5.69
NTR	APR2846	5.71	5.63	5.67
SS	Haven	5.79	5.56	5.67
NAI	Allsport 5	5.58	5.74	5.67
NAI	NAI-17409	5.66	5.63	5.65
PST	Silverdollar	5.63	5.67	5.65
NAI	NAI-17397	5.75	5.48	5.61
PPG	PPG-PR-434	5.42	5.78	5.60
PST	PST-2BD1	5.67	5.44	5.56
NAI	NAI-LM2	5.58	5.52	5.56
NTR	APR2790	5.50	5.60	5.55
SS	SEPR-1	5.54	5.52	5.53
NTR	APR2462	5.67	5.33	5.50
NAI	Notable	5.63	5.37	5.50
NAI	Commander ST	5.67	5.26	5.47
PST	Brightstar SLT	5.37	5.22	5.30
NAI	Prosport 4	5.29	5.07	5.19
PST	Carly	5.33	5.00	5.17
DLFPS	DLFPS-236-3024	5.04	5.26	5.15
	CV	6.34	5.49	4.83
	LSD	0.52	0.44	0.39

2019 Average Turf Quality = 1-9; 9 = Best (8 ratings)

2020 Average Turf Quality = 1-9; 9 = Best (9 ratings)

2019-2020 Average Turf Quality = 1-9; 9 = Best (17 ratings)

CTBT: 2018 Trial - 18CTLP22  
 Perennial Ryegrass Turf Trial  
 Location: Reading, PA  
 Cooperator: Dr. Michael Fidanza

2020 Data

SPONSOR	CULTIVAR	Subjective Data												
		Spring Greenup 3/21/20	Genetic Color 6/18/20	Genetic Color 9/30/20	Texture 6/18/20	Read Thread 4/15/20	Red Thread 6/6/20	Red Thread 11/1/20	Dollar Spot 7/4/20	Brown Patch 7/21/20	Brown Patch 9/16/20	Fairy Ring 7/4/20	Percent Cover 6/18/20	Percent Cover 9/30/20
SS	SNX	6.00	7.00	6.67	5.67	0.00	0.00	0.00	2.67	11.67	0.33	0.00	98.33	98.67
NTR	APR2237	7.33	7.00	6.67	6.00	0.00	0.00	0.00	0.00	3.70	17.33	0.00	98.67	98.33
SS	SEPR-N6	4.33	7.33	7.33	6.00	0.00	0.00	0.00	12.00	10.00	0.33	0.00	97.33	98.67
PPG	PPG-PR-471	8.00	7.67	7.00	6.00	0.00	0.00	0.00	0.00	0.40	1.33	0.00	98.67	99.00
PST	PST-2FLAT	6.00	6.67	6.33	5.67	0.00	0.00	0.00	0.00	0.33	14.00	0.00	98.33	99.00
PST	PST-2SHRP	5.33	6.00	6.67	5.33	0.00	5.00	3.33	7.00	3.37	0.00	0.00	91.67	98.67
PST	PST-2WHB	5.33	6.67	5.67	6.00	0.00	0.00	0.00	0.03	5.37	2.00	0.00	97.67	99.00
PST	PST-2MKD	5.00	7.00	4.67	6.00	0.00	8.33	0.00	6.67	0.70	3.67	0.33	98.00	97.33
PST	PST-2BAD	6.67	7.67	6.67	6.33	0.00	0.00	0.00	0.67	0.33	0.67	0.33	98.67	99.00
NTR	APRT2835	5.33	7.00	6.33	6.00	1.67	0.00	0.33	4.67	0.40	0.00	0.00	99.00	99.00
DLFPS	DLFPS-236-3540	5.00	6.00	5.67	5.67	0.00	0.00	0.00	0.37	2.03	1.00	0.00	97.00	98.67
SS	SEPR-107	5.00	6.67	6.00	5.33	0.00	3.67	0.00	8.37	39.00	6.67	0.00	92.67	98.33
PPG	PPG-PR-438	5.67	5.67	5.67	6.00	0.00	0.00	0.00	0.70	8.33	0.67	0.00	98.33	99.00
PST	PST-214	4.67	7.00	5.00	6.00	0.33	0.67	0.33	0.70	3.33	0.00	0.00	97.67	98.67
DLFPS	DLFPS-236-3541	5.33	6.00	5.67	6.00	0.00	0.67	1.67	8.33	0.10	1.00	0.00	97.33	97.00
SS	SEPR-106	4.67	6.67	6.67	6.00	0.00	4.00	1.67	5.33	28.67	13.33	0.00	97.00	98.67
PST	SYN 2HAF	6.00	6.33	5.67	5.67	3.33	0.67	0.00	3.33	0.67	10.00	0.00	97.67	98.67
NTR	APR2848	4.33	6.33	6.67	5.67	0.00	0.67	0.00	6.70	5.33	0.00	0.00	97.67	99.00
PST	PST-2GDS	5.00	5.67	6.00	5.33	0.00	0.33	0.00	0.07	2.67	3.67	0.00	98.33	99.00
PPG	PPG-PR-342	6.00	6.33	5.67	6.00	1.67	6.67	0.00	1.70	8.70	3.67	0.00	96.00	99.00
NTR	APR3060	7.67	7.33	5.33	6.00	0.00	0.67	0.00	1.67	0.33	1.67	0.00	98.33	98.67
PST	Silver Sport	5.33	5.67	6.33	5.33	0.33	1.00	1.67	7.33	3.37	0.67	0.00	97.67	99.00
PPG	PPG-PR-433	4.67	6.00	5.33	5.67	0.00	0.33	0.00	0.70	1.03	1.67	0.00	97.67	99.00
NTR	APR2609	3.33	6.00	6.67	5.67	3.33	4.00	0.00	28.33	3.67	0.00	0.00	97.67	99.00
NTR	Soprano	5.00	6.00	7.00	5.00	0.33	3.33	0.00	11.67	11.70	0.67	0.00	97.67	99.00
PPG	PPG-PR-435	4.00	6.00	6.00	5.67	0.00	0.33	0.00	3.67	15.67	0.33	0.00	97.67	99.00
SS	Shield	4.00	6.00	6.67	6.00	0.67	1.67	0.00	8.37	3.70	1.67	0.00	98.67	99.00
PPG	PPG-PR-436	4.67	6.33	6.00	5.33	0.33	0.00	0.00	5.03	3.00	1.67	0.00	97.67	99.00
DLFPS	DLFPS-236-3582	5.33	6.00	6.00	5.33	0.00	3.33	0.00	3.37	1.70	1.67	0.33	98.33	99.00
NTR	APR2839	4.67	6.00	5.67	6.00	0.00	3.33	0.00	6.70	10.03	3.33	0.00	97.33	99.00
NTR	APR2440	5.33	6.00	5.00	5.33	0.00	0.33	0.00	3.33	1.70	2.00	0.00	97.67	99.00
DLFPS	DLFPS-236-3543	4.33	6.00	6.00	5.67	0.67	2.00	0.00	2.67	2.03	0.67	0.00	98.00	99.00
DLFPS	DLFPS-236-3585	5.67	7.00	5.33	6.00	3.33	0.33	0.00	5.00	0.37	23.33	0.00	98.33	97.33
PPG	PPG-PR-338	5.67	5.67	6.67	5.67	0.00	0.00	0.00	4.00	1.00	0.33	0.33	98.00	99.00
PPG	PPG-PR-437	4.33	5.67	6.33	5.67	6.67	7.33	0.00	8.67	7.33	0.33	0.00	98.00	99.00
PST	PST-2DRG	5.33	6.33	6.00	6.00	0.33	0.33	0.00	10.00	8.37	0.00	0.00	97.00	99.00
PST	PST-2BGL	6.67	6.33	5.33	6.00	0.00	0.67	0.00	0.03	2.03	7.00	0.33	98.67	97.67
PPG	PPG-PR-310	5.00	6.67	6.00	5.67	4.00	11.67	0.00	13.33	1.70	0.33	0.00	97.00	99.00
PPG	PPG-PR-472	5.00	6.00	5.33	6.00	0.00	0.67	0.00	2.00	5.03	16.67	0.00	97.33	98.33
SS	Nexus XD	4.00	6.00	6.33	6.00	0.33	1.33	3.33	11.67	13.33	1.33	0.67	97.00	99.00
PPG	PPG-PR-478	4.67	5.00	5.67	5.67	0.33	0.67	0.00	12.33	1.00	0.67	0.00	93.33	99.00
SS	SEPR-3	5.00	5.33	5.33	5.33	0.00	2.00	0.00	3.67	13.70	3.33	0.00	97.00	97.67

CTBT: 2018 Trial - 18CTLP22  
 Perennial Ryegrass Turf Trial  
 Location: Reading, PA  
 Cooperator: Dr. Michael Fidanza

2020 Data

SPONSOR	CULTIVAR	Subjective Data												
		Spring Greenup 3/21/20	Genetic Color 6/18/20	Genetic Color 9/30/20	Texture 6/18/20	Read Thread 4/15/20	Red Thread 6/6/20	Red Thread 11/1/20	Dollar Spot 7/4/20	Brown Patch 7/21/20	Brown Patch 9/16/20	Fairy Ring 7/4/20	Percent Cover 6/18/20	Percent Cover 9/30/20
DLFPS	DLFPS-236-3576	3.67	6.00	5.33	5.67	0.00	1.67	0.00	11.67	4.03	3.67	0.00	97.00	99.00
DLFPS	DLFPS-236-3547	6.00	6.67	5.33	5.67	0.33	0.33	0.00	3.33	0.07	9.00	0.33	98.33	98.67
DLFPS	Karma	5.33	5.67	5.67	5.67	0.00	0.00	0.00	2.00	2.67	2.00	0.00	96.67	98.67
NTR	APR2637	6.33	7.00	5.00	6.00	3.33	0.33	0.00	1.67	0.33	16.67	0.00	99.00	98.67
NAI	NAI-1422	5.33	6.00	5.33	6.00	0.00	1.67	0.00	0.37	1.33	16.67	0.00	98.00	98.33
NTR	APR2946	5.67	6.33	4.33	6.67	0.33	0.33	0.00	0.33	3.37	3.33	0.00	98.67	98.67
DLFPS	DLFPS-236-3546	4.67	6.00	6.00	5.33	0.00	0.33	0.00	9.00	2.33	8.67	0.00	97.00	99.00
NTR	APR2612	4.33	5.67	5.67	6.00	3.33	2.67	0.00	6.70	3.37	6.67	0.00	97.33	98.67
NTR	APR2719	5.67	6.33	5.67	6.00	0.00	0.00	0.00	1.67	0.37	0.33	0.00	98.67	99.00
PPG	PPG-PR-344	4.67	5.67	6.00	5.00	0.00	0.00	0.00	1.70	1.03	3.33	0.00	96.33	98.67
PPG	PPG-PR-376	4.67	5.67	5.67	5.67	0.33	0.33	0.00	3.33	2.33	8.33	0.00	97.67	99.00
DLFPS	DLFPS-236-3579	3.33	5.67	6.00	6.00	0.67	16.67	0.00	7.33	8.33	1.00	0.00	96.33	99.00
DLFPS	DLFPS-236-3581	3.33	6.00	5.67	5.67	1.00	1.67	0.00	15.00	13.33	0.00	0.00	97.67	99.00
PST	PST-2BET	7.33	5.33	5.33	5.00	0.00	0.00	0.00	1.33	10.03	2.33	0.00	97.67	99.00
NTR	APR2856	6.00	6.67	4.33	6.00	0.00	0.33	0.00	3.33	0.33	25.33	0.00	98.67	98.00
PPG	PPG-PR-432	4.33	6.00	6.00	5.67	0.00	0.33	0.00	3.33	17.00	1.67	0.00	97.00	99.00
NTR	APR2616	4.00	6.00	6.00	5.67	5.33	2.00	0.00	2.00	2.37	2.00	0.00	95.00	98.67
DLFPS	DLFPS-236-3578	4.67	5.67	5.67	5.67	0.00	1.00	0.00	7.00	3.33	0.33	0.33	96.67	99.00
PPG	PPG-PR-229	4.33	6.00	6.33	5.67	0.67	3.67	0.00	11.70	3.37	5.00	0.00	97.33	99.00
NAI	NAI-17106	4.00	6.00	6.33	5.67	0.00	2.00	0.00	5.00	8.67	0.00	0.00	96.67	99.00
NTR	APR2685	4.67	6.00	5.00	5.67	5.00	2.00	0.00	1.70	0.37	0.00	0.00	98.00	98.67
NAI	NAI-LD52	5.67	6.00	4.67	5.33	0.00	25.00	0.00	5.00	1.00	1.67	0.00	97.33	98.67
PPG	PPG-PR-477	5.00	5.67	6.00	5.33	0.33	1.00	0.00	13.33	25.37	0.33	0.33	98.00	98.67
DLFPS	DLFPS-236-3580	5.67	5.33	5.00	5.00	0.67	0.33	0.00	3.33	7.37	7.00	0.00	97.67	98.33
PST	PST-2MAY	3.00	6.00	6.00	5.67	4.00	13.33	0.00	16.67	25.33	0.33	0.00	95.33	99.00
NAI	Evolution	7.00	6.00	4.67	5.33	0.00	0.00	0.00	0.03	1.37	0.00	0.00	97.33	99.00
NTR	APR2973	7.00	6.00	3.67	5.33	0.00	0.67	3.33	8.37	8.33	16.67	0.00	97.67	98.67
NTR	APR2846	4.33	6.33	5.00	6.00	0.00	3.33	0.00	0.40	1.73	0.67	0.00	99.00	98.67
NTR	APR2154	3.67	5.33	5.67	5.67	0.00	2.33	3.33	5.33	4.00	0.33	0.00	96.33	99.00
NAI	NAI-LM3	5.00	6.00	5.00	6.00	1.67	3.33	0.00	2.33	4.00	1.00	0.00	97.33	99.00
DLFPS	DLFPS-236-3577	5.33	5.67	5.33	5.00	0.00	0.33	0.00	0.70	21.67	14.33	0.00	97.33	98.33
DLFPS	DLFPS-236-3542	3.33	6.00	6.33	5.67	0.67	19.00	0.00	8.67	7.33	0.00	0.00	93.33	99.00
NTR	APR2617	3.00	6.33	5.67	6.00	0.67	0.33	0.00	10.33	24.67	0.00	0.00	98.67	99.00
NTR	APR2944	5.67	6.33	4.67	5.67	0.00	0.00	0.00	0.67	3.70	0.50	0.00	97.33	99.00
DLFPS	DLFPS-236-3538	4.00	5.67	5.33	5.67	0.00	0.67	0.00	5.03	8.70	13.33	0.00	98.00	98.67
PPG	Grandslam GLD	4.00	5.67	6.00	5.33	3.33	5.00	0.00	22.33	18.33	0.00	0.00	95.33	99.00
NTR	APR2853	3.67	4.67	5.67	5.33	0.00	1.67	0.00	0.67	0.67	0.00	0.00	97.67	99.00
NTR	APR2463	3.67	6.33	5.33	5.33	7.33	0.67	0.00	0.73	1.33	3.33	0.00	98.67	99.00
NTR	APR2753	4.33	6.00	5.00	5.33	0.00	0.00	0.00	0.00	13.67	0.67	0.00	98.33	99.00
DLFPS	DLFPS-236-3586	4.67	6.00	5.67	6.00	3.33	4.00	0.00	10.00	20.00	16.67	0.00	97.00	99.00
DLFPS	DLFPS-236-3584	5.67	6.00	5.33	5.33	1.67	3.67	0.00	4.00	8.33	6.67	0.00	96.67	98.67
DLFPS	Allstar 3	4.00	6.00	6.00	6.00	1.67	8.67	0.00	10.00	0.37	25.00	0.00	94.67	98.33

CTBT: 2018 Trial - 18CTLP22  
 Perennial Ryegrass Turf Trial  
 Location: Reading, PA  
 Cooperator: Dr. Michael Fidanza

2020 Data

SPONSOR	CULTIVAR	Subjective Data												
		Spring Greenup 3/21/20	Genetic Color 6/18/20	Genetic Color 9/30/20	Texture 6/18/20	Read Thread 4/15/20	Red Thread 6/6/20	Red Thread 11/1/20	Dollar Spot 7/4/20	Brown Patch 7/21/20	Brown Patch 9/16/20	Fairy Ring 7/4/20	Percent Cover 6/18/20	Percent Cover 9/30/20
DLFPS	DLFPS-236-3575	3.00	6.00	6.33	5.33	8.00	10.00	0.00	2.33	7.00	0.33	0.33	94.67	99.00
NTR	APR2977	5.33	5.67	4.67	6.33	0.00	1.67	0.00	0.33	7.37	0.00	0.00	98.33	98.00
NTR	APR2703	4.33	6.00	5.33	6.00	0.67	0.33	0.00	1.70	5.67	0.67	0.33	98.67	99.00
SS	Signet	5.00	5.67	7.00	5.33	3.33	7.00	0.00	3.33	1.67	8.33	0.00	97.00	99.00
PST	PST-2E6	5.33	5.67	5.33	5.67	1.67	7.00	0.00	5.03	23.33	4.00	0.00	95.67	99.00
DLFPS	DLFPS-236-3583	4.67	5.67	5.33	5.67	0.00	1.67	0.00	12.00	10.03	6.67	0.00	98.00	99.00
PST	New Sealand	5.00	5.33	6.00	5.33	0.67	8.67	2.00	13.33	51.67	0.33	0.00	94.00	98.67
SS	Nexus XR	3.67	6.00	7.00	6.00	1.67	21.67	0.00	3.33	11.67	0.67	0.00	94.67	99.00
PST	Silver Sun	4.00	5.67	6.00	6.00	1.67	0.67	0.00	6.67	2.03	0.33	0.00	96.67	99.00
PPG	Homerun	5.00	5.67	4.67	5.67	3.33	8.33	0.00	10.00	17.00	1.67	0.00	97.00	99.00
SS	SEPR-2	5.00	6.67	5.67	5.67	0.00	2.00	0.00	17.00	4.33	13.67	0.00	98.67	98.67
PPG	PPG-PR-368	4.33	6.00	5.33	5.67	6.67	10.33	0.00	21.67	10.67	8.33	0.00	97.00	98.67
NTR	APR2846	4.67	6.67	5.00	6.00	1.67	2.00	0.00	8.33	3.37	16.67	0.00	97.67	98.67
SS	Haven	4.67	5.33	6.00	5.33	0.00	0.67	0.00	3.67	45.00	3.33	0.00	96.33	99.00
NAI	Allsport 5	6.00	5.67	4.67	5.67	0.00	1.67	0.00	3.40	15.33	7.00	0.33	97.67	98.67
NAI	NAI-17409	6.00	5.67	3.33	6.33	0.00	0.00	0.00	0.00	0.37	17.67	0.00	99.00	97.67
PST	Silverdollar	5.67	6.33	6.00	5.33	0.00	1.67	0.00	18.33	20.03	0.33	0.00	97.00	99.00
NAI	NAI-17397	4.00	5.33	5.67	5.67	0.00	0.67	0.00	12.00	3.00	6.67	0.00	97.00	99.00
PPG	PPG-PR-434	5.00	5.67	6.00	5.67	2.33	2.00	0.00	10.33	14.00	0.67	0.00	96.00	99.00
PST	PST-2BD1	4.33	5.33	4.67	5.67	0.00	0.67	0.00	2.33	2.03	7.00	0.00	97.33	98.67
NAI	NAI-LM2	4.00	5.67	6.00	5.67	2.00	23.67	0.33	8.67	6.00	0.33	0.00	90.00	99.00
NTR	APR2790	4.33	4.67	4.33	5.33	2.33	7.33	0.00	1.03	0.03	1.67	0.00	98.33	98.67
SS	SEPR-1	4.00	5.33	6.00	5.67	3.33	16.67	0.00	8.33	1.33	25.00	0.00	96.33	98.67
NTR	APR2462	4.00	4.67	5.00	5.00	5.00	3.67	0.00	0.40	0.73	2.00	0.00	97.00	98.33
NAI	Notable	4.67	4.00	5.67	5.33	0.00	1.67	0.00	3.70	20.00	1.67	0.00	95.33	99.00
NAI	Commander ST	5.00	5.33	5.00	5.67	0.00	3.33	0.00	11.67	15.67	6.67	0.00	95.67	98.67
PST	Brightstar SLT	3.67	5.67	5.33	6.00	0.33	11.33	0.00	21.67	25.33	10.00	0.00	95.00	98.67
NAI	Prosport 4	5.00	5.00	3.67	5.67	0.00	6.67	1.67	10.03	22.33	20.67	0.00	95.67	99.00
PST	Carly	5.33	4.67	4.67	5.67	0.00	0.67	0.00	1.70	30.00	2.00	0.33	94.33	99.00
DLFPS	DLFPS-236-3024	4.67	4.33	4.67	5.00	0.00	0.00	0.00	3.37	8.37	3.67	0.00	95.67	98.67
	<b>CV</b>	29.51	12.57	15.58	9.23	296.64	240.45	602.79	140.84	167.63	251.12	523.09	2.24	0.58
	<b>LSD</b>	1.96	1.01	1.18	0.71	4.14	10.53	1.64	11.26	18.40	16.39	0.29	2.93	0.77

Spring Greenup = 1-9; 9 = Best  
 Genetic Color = 1-9 9 = Best  
 Texture = 1-9; 9 = Best  
 Red Thread = % plot area with red thread/pink patch.  
 Dollar Spot = % plot area with dollar spot.  
 Brown patch = % plot area with brown patch.  
 Type III FR = # mushrooms (*Panaeolus* sp.) per plot  
 Cover = % plot area covered with turf (~green cover or density).

## 2018 Perennial Ryegrass Site Management

Site	Fertility (lbs / 1000 ft <sup>2</sup> )			Soil Type	pH	Mowing Height Inches	Irrigation	Fungicides	Herbicides	Trial Type	Other
	N	P	K								
Illinois Urbana	3.75	0.0	0.0	Silt Loam and Silt	6.3	2.5	Prevent stress	Daconil, Action	Super, Trimec	Full Sun	
Indiana West Lafayette	3.0	0.0	0.0	Silt Loam Clay Loam	6.3	3	None	None	Tenacity, Xonerate, Prograss	Full Sun	
Kentucky Lexington	4.0	0.0	0.0	Silt Loam and Silt	6.3	2.5	Prevent Stress	Tebuconazole	Barricade, Drive, XLR8, Trimec Classic	Full Sun	
Minnesota St. Paul	2.0	0.0	0.0	Wakegan Silt Loam	7.3	2.5	None	None	None	Full Sun	
New Jersey Freehold	3.75	0.0	0.0	Sandy Loam	6.1	1.5	Prevent Severe Stress	None	Dimension	Full Sun	
New Jersey Salem	3.8	1.0	1.5	Silt Loam	6.3	1.75	None	None	Ronstar 2G	Full Sun	
North Carolina Rolesville	5.0	0.0	0.0	Durham Loamy Sand	6.0	2.0	Prevent Stress	Preventative in spring/early summer	Pre-emergent	Full Sun	
Oregon Albany	4.5	1.0	2.3	Silt Loam	5.0	1.5	None	Satori	2,4-D	Drought	
Oregon Canby	5.5	0.0	0.0	Woodburn Silty Clay Loam	5.6	2.0	Prevent Stress	Quilt	Dimension, Speed Zone	Low Mow	
Oregon Corvallis	1.0	1.0	1.0	Silty Clay Loam	5.8	1.5	None	None	None	Full Sun	
Pennsylvania Reading	3.0	0.0	0.0	Silt Loam and Silt	6.8	1.5	None	Heritage	Dimension, Q4 Plus	Full Sun	