



## *Cooperative Turfgrass Breeders Test*



## **2019 Report**

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CTBT: 2017 Trial - 17CTFF5

Fine Fescue Turf Trial

Location: Urbana, IL

2019 Data

Cooperator: Dr. Tom Fermanian

SPONSOR	SPECIES	CULTIVAR	Subjective Data		
			Average Turf Quality 2018	Average Turf Quality 2019	Average Turf Quality 2018 - 2019
DLF	Chewings	DLF-FRC 51	5.33	5.44	5.39
Rutgers	Chewings	Z16-RCF	5.27	5.34	5.30
PST	Chewings	PST-4SWT	5.07	5.50	5.28
NexGen	Chewings	ACF328	5.13	5.39	5.26
CHECK	Chewings	Koket	5.00	5.44	5.22
PPG	Chewings	PPG-FRC 113	4.87	5.56	5.21
DLF	Chewings	DLF-FRC 52	5.00	5.22	5.11
NexGen	Chewings	ACF303	5.00	5.16	5.08
DLF	Chewings	DLF-FRC 54	4.73	5.39	5.06
PPG	Chewings	PPG-FRC 120	5.00	5.11	5.05
NexGen	Chewings	ACF314	5.13	4.95	5.04
CHECK	Chewings	Sonar	4.80	5.17	4.98
NexGen	Chewings	ACF319	4.73	5.22	4.97
DLF	Chewings	DLF-FRC 50	4.67	5.05	4.86
CHECK	Chewings	Survivor	4.67	5.00	4.83
NexGen	Chewings	ACF309	4.60	5.05	4.83
PPG	Chewings	PPG-FRC 118	4.67	4.95	4.81
NexGen	Chewings	ACF327	4.00	5.28	4.64
CHECK	Chewings	Culumbra II	4.07	5.06	4.56
CHECK	Chewings	Radar	4.13	4.89	4.51
NexGen	Hard Fescue	AHF222	5.27	5.50	5.39
CHECK	Hard Fescue	Beacon	4.87	5.61	5.24
DLF	Hard Fescue	DLF-FL 53 M3	5.00	5.44	5.22
DLF	Hard Fescue	DLF-FL 54 M3	5.13	5.28	5.20
CHECK	Hard Fescue	Bighorn GT	5.00	5.33	5.16
CHECK	Hard Fescue	SR 3150	4.87	5.22	5.05
PPG	Hard Fescue	PPG-FL 113	4.80	5.16	4.98
NexGen	Hard Fescue	AHF211	5.00	4.89	4.95
CHECK	Hard Fescue	Eureka II	4.93	4.94	4.94
DLF	Hard Fescue	DLF-FL 64	4.87	5.00	4.93
Rutgers	Hard Fescue	Z16-RHF	4.73	5.00	4.86
NexGen	Hard Fescue	AHF205	4.67	5.06	4.86
DLF	Hard Fescue	DLF-FL 63	4.53	4.94	4.74
NexGen	Hard Fescue	AHF218	4.47	5.00	4.73
NexGen	Hard Fescue	AHF225	4.27	4.89	4.58
PPG	Hard Fescue	PPG-FL 115	4.07	4.56	4.31
PST	Sheep Fescue	PST-4BND	5.20	5.17	5.18
PPG	Sheep Fescue	PPG-FO 102	4.80	5.33	5.07
PST	Sheep Fescue	PST-4GUD	4.73	5.22	4.98
NexGen	Slender Red	ASR197	4.87	5.28	5.08
NexGen	Slender Red	ASR175	4.93	5.11	5.02
CHECK	Slender Red	Seabreeze GT	4.33	5.11	4.72
CHECK	Slender Red	SeaMist	4.40	4.72	4.56

SPONSOR	SPECIES	CULTIVAR	Subjective Data		
			Average Turf Quality 2018	Average Turf Quality 2019	Average Turf Quality 2018 - 2019
PPG	Strong Red	PPG-FRR 115	5.40	5.39	5.39
NexGen	Strong Red	ASC348	4.93	5.44	5.19
DLF	Strong Red	DLF-FRR 77	4.93	5.39	5.16
DLF	Strong Red	DLF-FRR 72 M2	4.67	5.56	5.11
PST	Strong Red	PST-4ED4	4.93	5.28	5.11
DLF	Strong Red	DLF-FRR 79	4.80	5.39	5.09
DLF	Strong Red	DLF-FRR 75	4.87	5.28	5.07
NexGen	Strong Red	ASC351	4.80	5.28	5.04
PST	Strong Red	PST-4CR7	5.07	5.00	5.04
NexGen	Strong Red	ASC347	4.73	5.28	5.01
Rutgers	Strong Red	Z16-DRBM	4.87	5.11	4.99
NexGen	Strong Red	ASC356	4.60	5.33	4.97
Rutgers	Strong Red	Z16-DRBM2X	4.73	5.17	4.95
CHECK	Strong Red	Shademaster III	4.47	5.28	4.87
PPG	Strong Red	PPG-FRR 114	4.73	4.94	4.84
NexGen	Strong Red	ASC354	4.60	5.06	4.83
NexGen	Strong Red	ASC361	4.60	5.05	4.82
CHECK	Strong Red	Boreal	4.67	4.94	4.80
PST	Strong Red	PST-4SP14	4.60	5.00	4.80
NexGen	Strong Red	ASC295	4.60	5.00	4.80
CHECK	Strong Red	Lustrous	4.60	5.00	4.80
NexGen	Strong Red	ASC359	4.73	4.83	4.78
DLF	Strong Red	DLF-FRR 76	4.33	5.00	4.67
PST	Strong Red	PST-4DR4	4.20	5.00	4.60
PST	Strong Red	PST-4RUE	4.07	5.11	4.59
NexGen	Strong Red	ASC362	4.40	4.78	4.59
PPG	Strong Red	PPG-FRR 116	4.07	4.94	4.50
PST	Strong Red	Xeric	4.20	4.78	4.49
PPG	Strong Red	PPG-FRR 111	4.20	4.72	4.46
PST	Strong Red	PST-4BEN	4.13	4.67	4.40
NexGen	Strong Red	ASC350	4.07	4.55	4.31
PST	Strong Red	PST-4GRP	2.53	5.22	3.88
		CV	13.95	9.09	10.43
		LSD (0.05)	0.88	0.63	0.69

2018 Turf Quality = 1-9; 9=Best (5 ratings)

2019 Turf Quality = 1-9; 9=Best (6 ratings)

2018 - 2019 Average Turf Quality = 1-9; 9=Best (11 ratings)

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

2019 Data

SPONSOR	CULTIVAR	Subjective Data	
		Cover 2019	Average Turf Quality 2019
DLFPS	DLFPS-236-3541	9.00	6.39
DLFPS	DLFPS-236-3543	9.00	6.33
PPG	PPG-PR-477	9.00	6.33
DLFPS	DLFPS-236-3582	9.00	6.28
DLFPS	DLFPS-236-3584	9.00	6.28
PST	PST-2SHRP	9.00	6.28
DLFPS	DLFPS-236-3576	9.00	6.28
PPG	PPG-PR-344	9.00	6.28
DLFPS	DLFPS-236-3577	9.00	6.22
PPG	PPG-PR-436	8.67	6.22
PST	PST-2FLAT	9.00	6.22
PST	PST-2GDS	9.00	6.22
PPG	PPG-PR-438	9.00	6.22
DLFPS	DLFPS-236-3578	9.00	6.17
PPG	PPG-PR-471	9.00	6.17
PST	PST-2MKD	9.00	6.17
NTR	APR2719	8.33	6.17
DLFPS	DLFPS-236-3580	9.00	6.17
DLFPS	DLFPS-236-3540	9.00	6.17
PPG	PPG-PR-338	8.33	6.17
PST	SYN 2HAF	9.00	6.17
NTR	APR2237	9.00	6.11
DLFPS	DLFPS-236-3546	9.00	6.11
NAI	Evolution	9.00	6.11
NAI	NAI-LM3	9.00	6.11
NAI	NAI-17106	9.00	6.11
SS	SEPR-106	9.00	6.11
DLFPS	DLFPS-236-3575	8.00	6.11
DLFPS	DLFPS-236-3583	9.00	6.11
PPG	PPG-PR-342	8.67	6.11
NTR	APR2612	9.00	6.06
NTR	APR2616	9.00	6.06
NTR	APR2685	8.00	6.06
NTR	APR2440	9.00	6.06
NTR	APR2944	9.00	6.06
NTR	APR2946	9.00	6.06
NTR	APR2977	9.00	6.06
DLFPS	DLFPS-236-3542	9.00	6.06
DLFPS	DLFPS-236-3547	9.00	6.06
DLFPS	DLFPS-236-3538	7.67	6.06
SS	SNX	9.00	6.06
PPG	PPG-PR-310	7.67	6.06
PPG	PPG-PR-376	9.00	6.06
PPG	PPG-PR-434	9.00	6.06
PPG	PPG-PR-478	9.00	6.06
PST	PST-2BGL	9.00	6.06
PST	PST-2BAD	9.00	6.06
PST	Silver Sport	9.00	6.06
NTR	APR2609	9.00	6.05
NTR	APR2848	8.67	6.05
NTR	APR2973	9.00	6.05
PST	PST-214	9.00	6.05
DLFPS	Allstar 3	7.67	6.00
SS	SEPR-2	8.00	6.00
NTR	APR2846	8.00	6.00
NTR	APR3060	9.00	6.00
NTR	APR2856	8.00	6.00

SPONSOR	CULTIVAR	Subjective Data	
		Cover 2019	Average Turf Quality 2019
NTR	Soprano	9.00	6.00
DLFPS	DLFPS-236-3581	9.00	6.00
NAI	NAI-LM2	9.00	6.00
NAI	NAI-17397	7.33	6.00
PPG	PPG-PR-437	7.33	6.00
SS	SEPR-3	9.00	5.95
PPG	PPG-PR-229	7.00	5.95
PPG	PPG-PR-432	9.00	5.95
PPG	PPG-PR-433	8.00	5.95
PST	PST-2BD1	8.00	5.95
PST	PST-2WHB	8.67	5.95
NTR	APR2846	7.67	5.94
NTR	APR2790	9.00	5.94
DLFPS	DLFPS-236-3579	7.67	5.94
DLFPS	DLFPS-236-3024	9.00	5.94
NAI	NAI-17409	9.00	5.94
NAI	NAI-1422	8.33	5.94
SS	SEPR-N6	9.00	5.94
SS	Haven	9.00	5.94
PST	PST-2MAY	7.67	5.94
PST	PST-2BET	9.00	5.94
NTR	APRT2835	9.00	5.89
SS	Nexus XD	8.00	5.89
PPG	Grandslam GLD	9.00	5.89
NTR	APR2462	8.33	5.89
PPG	Homerun	9.00	5.89
PST	PST-2DRG	9.00	5.84
NTR	APR2853	9.00	5.83
NTR	APR2753	8.67	5.83
DLFPS	DLFPS-236-3585	9.00	5.83
DLFPS	DLFPS-236-3586	9.00	5.83
NAI	NAI-LD52	8.67	5.83
SS	Nexus XR	6.67	5.83
PPG	PPG-PR-368	7.67	5.83
PPG	PPG-PR-435	8.33	5.83
NTR	APR2463	7.67	5.78
NTR	APR2637	7.67	5.78
PST	Silver Sun	9.00	5.78
PST	Carly	9.00	5.78
NTR	APR2154	8.00	5.72
DLFPS	Karma	9.00	5.72
NAI	Notable	9.00	5.72
SS	SEPR-107	7.67	5.72
SS	Signet	8.00	5.72
PPG	PPG-PR-472	7.00	5.72
PST	PST-2E6	7.33	5.72
PST	New Sealand	9.00	5.72
SS	SEPR-1	8.00	5.72
NAI	Prosport 4	9.00	5.67
NAI	Commander ST	8.33	5.67
SS	Shield	7.00	5.66
PST	Brightstar SLT	7.67	5.61
PST	Silverdollar	9.00	5.61
NTR	APR2617	6.33	5.50
NAI	Allsport 5	9.00	5.45
NTR	APR2703	6.33	5.39
NTR	APR2839	5.33	5.33
CV		14.99	4.97
LSD (0.05)		1.72	0.40

2019 Cover = 1-9; 9=Most Cover (1 rating: May 17, 2019)  
 2019 Average Turf Quality = 1-9; 9=Best (6 ratings)





CTBT: 2017 Trial - 17CTFF22  
 Fine Fescue Turf Trial  
 Location: West Lafayette, IN  
 Cooperator: Dr. Cale Bigelow

2019 Data

SPONSOR	SPECIES	CULTIVAR	Subjective Data		
			Average Genetic Color 2018 - 2019	Average Density 2018 - 2019	Average Turf Quality 2018 - 2019
DLF	Chewings	DLF-FRC 50	6.78	6.83	6.46
NexGen	Chewings	ACF319	6.11	7.00	6.36
PPG	Chewings	PPG-FRC 120	6.78	6.33	6.29
Rutgers	Chewings	Z16-RCF	6.56	6.67	6.26
NexGen	Chewings	ACF328	6.56	6.83	6.17
NexGen	Chewings	ACF314	6.56	6.83	5.95
NexGen	Chewings	ACF327	6.33	6.83	5.95
DLF	Chewings	DLF-FRC 54	6.78	6.17	5.94
PPG	Chewings	PPG-FRC 113	7.00	5.67	5.78
PST	Chewings	PST-4SWT	6.56	5.50	5.67
CHECK	Chewings	Sonar	6.44	5.50	5.59
CHECK	Chewings	Survivor	6.45	5.67	5.54
CHECK	Chewings	Radar	6.44	5.00	5.52
NexGen	Chewings	ACF303	6.56	5.17	5.47
DLF	Chewings	DLF-FRC 52	6.00	5.50	5.45
DLF	Chewings	DLF-FRC 51	5.78	5.17	5.37
NexGen	Chewings	ACF309	6.33	5.17	5.23
PPG	Chewings	PPG-FRC 118	6.22	4.17	5.12
CHECK	Chewings	Culumbra II	6.33	4.83	5.08
CHECK	Chewings	Koket	5.22	4.67	4.58
Rutgers	Hard Fescue	Z16-RHF	6.22	5.17	5.58
NexGen	Hard Fescue	AHF211	6.11	5.00	4.89
NexGen	Hard Fescue	AHF225	6.33	4.33	4.74
PPG	Hard Fescue	PPG-FL 113	6.22	4.00	4.59
DLF	Hard Fescue	DLF-FL 64	6.45	4.17	4.58
NexGen	Hard Fescue	AHF205	6.22	4.33	4.58
CHECK	Hard Fescue	Beacon	6.22	4.33	4.58
NexGen	Hard Fescue	AHF218	6.33	4.50	4.58
NexGen	Hard Fescue	AHF222	5.78	4.50	4.56
DLF	Hard Fescue	DLF-FL 63	6.11	4.00	4.48
CHECK	Hard Fescue	SR 3150	6.44	3.33	3.82
DLF	Hard Fescue	DLF-FL 53 M3	4.45	2.83	3.76
CHECK	Hard Fescue	Eureka II	5.67	3.67	3.70
CHECK	Hard Fescue	Bighorn GT	5.44	3.00	3.62
DLF	Hard Fescue	DLF-FL 54 M3	5.44	3.17	3.60
PPG	Hard Fescue	PPG-FL 115	6.22	3.33	3.40
PST	Sheep Fescue	PST-4GUD	6.00	4.50	4.35
PPG	Sheep Fescue	PPG-FO 102	5.44	2.83	3.74
PST	Sheep Fescue	PST-4BND	5.78	3.33	3.73

SPONSOR	SPECIES	CULTIVAR	Subjective Data		
			Average Genetic Color 2018 - 2019	Average Density 2018 - 2019	Average Turf Quality 2018 - 2019
NexGen	Slender Red	ASR197	6.33	6.33	6.05
CHECK	Slender Red	SeaMist	6.67	5.17	6.01
NexGen	Slender Red	ASR175	6.34	5.83	5.84
CHECK	Slender Red	Seabreeze GT	6.00	3.83	5.05
NexGen	Strong Red	ASC359	6.33	7.50	6.71
NexGen	Strong Red	ASC362	6.45	7.17	6.70
PST	Strong Red	PST-4CR7	6.78	6.17	6.42
NexGen	Strong Red	ASC350	6.44	6.83	6.35
NexGen	Strong Red	ASC351	6.78	6.17	6.09
NexGen	Strong Red	ASC361	6.67	6.50	6.01
NexGen	Strong Red	ASC354	6.44	6.00	5.88
NexGen	Strong Red	ASC356	6.56	6.83	5.84
PPG	Strong Red	PPG-FRR 116	6.56	5.50	5.77
PPG	Strong Red	PPG-FRR 115	6.78	5.00	5.76
PPG	Strong Red	PPG-FRR 111	6.55	5.33	5.73
CHECK	Strong Red	Lustrous	6.33	5.33	5.72
PST	Strong Red	PST-4DR4	6.78	5.17	5.69
DLF	Strong Red	DLF-FRR 77	6.33	4.83	5.67
NexGen	Strong Red	ASC348	6.22	5.17	5.64
NexGen	Strong Red	ASC347	6.33	5.00	5.63
NexGen	Strong Red	ASC295	6.33	5.17	5.56
DLF	Strong Red	DLF-FRR 79	6.33	5.00	5.47
Rutgers	Strong Red	Z16-DRBM	6.22	5.17	5.43
DLF	Strong Red	DLF-FRR 72 M2	6.34	5.33	5.41
Rutgers	Strong Red	Z16-DRBM2X	5.67	5.17	5.35
PST	Strong Red	PST-4BEN	6.33	4.17	5.20
PST	Strong Red	PST-4ED4	6.11	4.17	5.15
CHECK	Strong Red	Shademaster III	6.00	4.67	5.15
PST	Strong Red	PST-4RUE	6.44	4.83	5.12
PST	Strong Red	Xeric	6.22	4.17	5.04
PPG	Strong Red	PPG-FRR 114	6.33	4.17	4.98
DLF	Strong Red	DLF-FRR 76	5.67	4.50	4.96
DLF	Strong Red	DLF-FRR 75	5.78	4.17	4.85
CHECK	Strong Red	Boreal	5.33	4.33	4.80
PST	Strong Red	PST-4SP14	6.00	4.00	4.66
PST	Strong Red	PST-4GRP	6.11	2.50	3.81
		CV	9.08	15.03	8.29
		LSD (0.05)	0.77	1.02	0.59

2018 - 2019 Average Genetic Color = 1-9; 9=Best (3 ratings)

2018 - 2019 Average Density = 1-9; 9=Best (2 ratings)

2018 - 2019 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

2019 Data

SPONSOR	CULTIVAR	Subjective Data			
		Seedling Vigor 2019	Genetic Color 2019	Texture 2019	Average Turf Quality 2019
PPG	PPG-PR-438	6.33	6.67	7.00	6.16
NTR	APR2848	5.33	6.67	7.00	6.05
NTR	APR2609	6.00	7.00	7.00	6.00
DLFPS	DLFPS-236-3024	4.67	5.67	7.00	6.00
DLFPS	DLFPS-236-3582	5.67	7.00	7.00	5.94
DLFPS	DLFPS-236-3543	6.00	6.67	7.00	5.94
NTR	APR2977	5.67	7.00	7.00	5.89
DLFPS	DLFPS-236-3575	5.33	6.67	7.00	5.89
NTR	APR2617	6.00	7.00	7.00	5.84
PPG	PPG-PR-436	6.33	7.00	7.00	5.83
PST	PST-2BD1	6.67	5.33	7.33	5.83
PST	PST-2WHB	5.67	6.67	7.00	5.83
PST	PST-2BAD	6.33	7.00	6.67	5.78
NTR	APR2846	5.33	6.33	6.67	5.78
DLFPS	DLFPS-236-3546	6.33	7.00	7.33	5.72
PST	SYN 2HAF	6.00	6.67	7.00	5.72
NTR	APR2846	6.00	6.00	7.33	5.72
DLFPS	DLFPS-236-3542	6.00	6.67	7.00	5.67
NTR	APR2703	5.67	6.67	7.00	5.67
PPG	PPG-PR-229	5.33	7.00	7.00	5.67
PPG	PPG-PR-342	6.00	7.00	7.00	5.67
PST	PST-2MAY	5.33	7.00	7.33	5.67
DLFPS	DLFPS-236-3577	6.00	6.33	6.67	5.61
DLFPS	DLFPS-236-3540	6.67	6.33	7.00	5.61
SS	Shield	6.33	7.33	7.00	5.61
PST	PST-2BGL	5.00	6.67	6.67	5.61
DLFPS	DLFPS-236-3579	6.00	6.33	7.00	5.61
DLFPS	DLFPS-236-3583	5.67	6.67	6.67	5.61
DLFPS	DLFPS-236-3547	6.33	6.67	7.00	5.61
PPG	PPG-PR-435	6.00	6.67	7.00	5.61
PPG	PPG-PR-477	5.67	7.00	7.00	5.61
PST	Silver Sun	6.33	6.67	7.00	5.61
NTR	APR2753	5.33	6.67	6.67	5.56
NAI	NAI-17106	6.00	6.67	7.00	5.56
PPG	PPG-PR-437	6.67	6.67	7.00	5.56
PPG	PPG-PR-478	6.33	7.00	7.00	5.55
PST	PST-2FLAT	5.67	7.33	7.00	5.55
PST	PST-2GDS	5.67	6.67	7.00	5.55
DLFPS	DLFPS-236-3576	6.00	6.33	7.00	5.50
DLFPS	DLFPS-236-3578	6.00	6.67	7.00	5.50
DLFPS	DLFPS-236-3581	6.00	6.67	7.00	5.50
PPG	PPG-PR-471	6.00	6.33	7.00	5.50
NTR	APR2856	5.33	6.33	7.00	5.50
PPG	PPG-PR-434	6.00	7.33	7.00	5.50
NTR	APR2853	5.67	6.67	6.33	5.45
PPG	PPG-PR-310	6.33	6.33	7.00	5.45
PPG	PPG-PR-368	6.33	7.00	7.00	5.45
NTR	APR2973	6.33	5.67	6.67	5.44
DLFPS	DLFPS-236-3584	6.67	6.67	7.00	5.44
NAI	NAI-17397	6.00	6.00	7.00	5.44
NTR	APR2719	6.67	6.67	6.67	5.39
NTR	APR2154	5.67	6.67	6.67	5.39
DLFPS	DLFPS-236-3580	6.67	6.00	7.00	5.39
DLFPS	DLFPS-236-3541	5.67	7.00	7.00	5.39
DLFPS	Allstar 3	5.67	6.33	7.00	5.39
SS	Signet	6.00	6.00	6.67	5.39
PPG	Grandslam GLD	6.67	6.33	7.00	5.39
PPG	PPG-PR-338	6.33	7.00	7.00	5.39
NTR	APR2463	5.00	6.33	7.00	5.33
NTR	APR2946	5.67	6.00	7.00	5.33

SPONSOR	CULTIVAR	Subjective Data			
		Seedling Vigor 2019	Genetic Color 2019	Texture 2019	Average Turf Quality 2019
DLFPS	DLFPS-236-3538	7.00	6.33	7.00	5.33
PPG	PPG-PR-344	6.00	7.00	7.00	5.33
PPG	PPG-PR-433	6.67	7.00	7.00	5.33
PPG	PPG-PR-472	5.67	6.33	7.00	5.33
PST	PST-2MKD	5.00	7.00	6.67	5.33
PST	PST-214	4.67	7.00	7.00	5.33
NTR	APR3060	5.33	6.67	7.00	5.28
PPG	Homerun	6.00	5.67	6.67	5.28
PPG	PPG-PR-376	7.00	6.67	6.67	5.28
NTR	APR2685	4.67	6.33	7.00	5.28
NTR	APR2440	5.67	6.67	7.00	5.28
NTR	Soprano	5.67	7.00	7.00	5.28
NTR	APR2462	6.00	6.33	6.67	5.22
NTR	APR2616	6.33	6.67	6.67	5.17
SS	SEPR-N6	6.33	7.67	7.00	5.17
SS	SEPR-107	6.00	7.67	7.00	5.17
SS	SNX	6.33	7.00	7.00	5.16
NTR	APR2944	6.00	5.67	6.33	5.11
NAI	NAI-LM3	5.67	6.33	6.67	5.11
NTR	APR2612	5.00	7.00	7.00	5.11
NTR	APR2237	6.00	7.00	6.67	5.11
PPG	PPG-PR-432	6.00	6.67	6.67	5.11
NAI	Evolution	6.33	6.67	7.00	5.05
NTR	APR2790	6.67	5.33	7.00	5.00
DLFPS	DLFPS-236-3586	6.00	7.00	7.33	5.00
PST	PST-2E6	5.00	6.33	6.67	5.00
PST	Silver Sport	4.67	6.67	7.00	5.00
DLFPS	Karma	2.33	6.33	6.67	5.00
NAI	NAI-LM2	5.67	6.67	6.33	5.00
NAI	Allsport 5	5.00	6.33	6.67	4.94
PST	PST-2DRG	6.00	6.67	7.00	4.94
NTR	APR2637	6.00	6.67	7.00	4.89
NAI	NAI-17409	5.00	5.33	6.67	4.89
NAI	NAI-1422	5.33	6.33	6.67	4.89
PST	PST-2BET	5.67	6.33	6.00	4.84
PST	Brightstar SLT	7.67	6.67	6.33	4.83
SS	SEPR-1	7.00	6.67	7.00	4.78
SS	SEPR-106	5.00	7.00	7.00	4.78
NAI	Commander ST	6.00	5.33	6.67	4.72
SS	SEPR-3	5.67	6.00	6.67	4.72
SS	Nexus XD	5.67	6.67	6.33	4.72
NAI	NAI-LD52	5.00	6.67	6.67	4.72
SS	Nexus XR	5.67	7.00	7.00	4.72
NTR	APR2839	6.33	6.33	6.67	4.67
DLFPS	DLFPS-236-3585	6.33	6.33	7.00	4.67
SS	SEPR-2	6.67	7.00	7.00	4.67
PST	Silverdollar	6.67	5.67	6.33	4.67
PST	New Sealand	6.00	6.00	6.67	4.67
NAI	Prosport 4	6.67	5.67	6.67	4.61
PST	PST-2SHRP	5.33	7.00	6.67	4.61
SS	Haven	7.00	6.00	6.67	4.45
PST	Carly	6.33	5.67	6.67	4.45
NAI	Notable	6.33	5.67	7.00	4.44
NTR	APRT2835	5.33	7.33	5.00	4.39
	CV	12.90	8.47	5.14	7.07
	LSD (0.05)	1.02	0.75	0.48	0.51

2019 Seedling Vigor = 1-9; 9=Best (1 rating: Oct. 4, 2019)  
2019 Genetic Color = 1-9; 9=Darkest (1 rating: Oct. 31, 2019)  
2019 Texture = 1-9; 9=Best (1 rating: Nov. 4, 2019)  
2019 Average Turf Quality = 1-9; 9=Best (6 ratings)

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

2019 Data

SPONSOR	CULTIVAR	Subjective Data	
		Establishment 2018	Average Turf Quality 2019
DLFPS	DLFPS-236-3579	4.83	6.26
DLFPS	DLFPS-236-3575	4.83	6.22
DLFPS	DLFPS-236-3546	4.67	6.15
PST	PST-214	4.17	6.15
NTR	APR2848	4.83	6.11
DLFPS	DLFPS-236-3582	4.67	6.11
DLFPS	DLFPS-236-3547	4.67	6.11
PST	Silver Sport	4.50	6.11
DLFPS	DLFPS-236-3583	5.17	6.07
NAI	NAI-LM2	4.50	6.07
PPG	PPG-PR-310	5.33	6.07
PPG	PPG-PR-477	4.83	6.07
NTR	APR2609	4.67	6.04
SS	Shield	4.50	6.04
PPG	PPG-PR-342	5.33	6.04
PPG	PPG-PR-368	4.67	6.04
PPG	PPG-PR-471	4.33	6.04
DLFPS	DLFPS-236-3543	4.50	6.00
PPG	PPG-PR-229	4.50	6.00
PST	PST-2BD1	5.33	6.00
PST	PST-2BAD	4.67	6.00
NTR	APR2856	4.83	5.96
DLFPS	DLFPS-236-3577	4.83	5.96
DLFPS	DLFPS-236-3540	5.17	5.96
PPG	PPG-PR-437	4.17	5.96
PST	SYN 2HAF	4.33	5.96
DLFPS	DLFPS-236-3578	4.50	5.93
DLFPS	DLFPS-236-3584	5.00	5.93
DLFPS	Allstar 3	4.00	5.93
PPG	PPG-PR-432	4.83	5.93
PPG	PPG-PR-472	5.33	5.93
NTR	APR2703	4.67	5.89
NTR	APR2154	5.17	5.89
DLFPS	DLFPS-236-3541	4.17	5.89
DLFPS	DLFPS-236-3538	4.67	5.89
PPG	PPG-PR-344	4.83	5.89
PPG	PPG-PR-433	5.17	5.89
PPG	PPG-PR-434	4.67	5.89
PST	PST-2MKD	4.67	5.89
PST	PST-2FLAT	4.17	5.89
PST	PST-2DRG	5.00	5.89
PST	PST-2GDS	4.33	5.89
PST	PST-2BGL	4.33	5.89
NTR	APR3060	4.67	5.85
DLFPS	DLFPS-236-3581	4.67	5.85
NAI	NAI-LD52	4.50	5.85
SS	SEPR-N6	5.50	5.85
SS	SNX	5.17	5.85
SS	Nexus XR	4.83	5.85
PPG	PPG-PR-435	4.50	5.85
PPG	PPG-PR-436	4.67	5.85
PPG	PPG-PR-438	4.50	5.85
PST	PST-2WHB	4.50	5.85
NTR	APR2685	4.33	5.82
NTR	APR2973	4.83	5.82
NTR	APR2977	4.83	5.82
DLFPS	DLFPS-236-3576	4.33	5.82
DLFPS	DLFPS-236-3580	4.50	5.82

SPONSOR	CULTIVAR	Subjective Data	
		Establishment 2018	Average Turf Quality 2019
PPG	Grandslam GLD	4.50	5.82
PPG	PPG-PR-478	5.17	5.82
NTR	APR2946	4.67	5.78
NAI	NAI-LM3	4.33	5.78
NAI	NAI-17106	4.50	5.78
NTR	APR2944	4.33	5.74
SS	SEPR-1	5.00	5.74
NTR	APR2853	4.83	5.74
SS	SEPR-106	4.17	5.74
NTR	APR2719	4.50	5.71
DLFPS	DLFPS-236-3542	4.50	5.71
SS	SEPR-107	4.67	5.71
SS	Signet	5.17	5.71
NTR	Soprano	4.33	5.70
PST	PST-2MAY	4.50	5.70
PST	PST-2E6	4.50	5.67
DLFPS	DLFPS-236-3585	4.83	5.63
NTR	APR2616	4.33	5.63
PST	New Sealand	5.17	5.63
PPG	Homerun	4.50	5.63
NAI	Notable	4.83	5.60
NTR	APR2463	4.67	5.59
NAI	Evolution	4.50	5.59
NTR	APR2462	4.67	5.56
DLFPS	DLFPS-236-3024	4.67	5.56
NTR	APR2237	3.83	5.55
PPG	PPG-PR-376	4.67	5.55
NTR	APR2612	4.17	5.52
NTR	APR2790	4.33	5.52
NTR	APRT2835	4.17	5.52
NAI	NAI-1422	4.33	5.52
PST	Silver Sun	5.33	5.52
NTR	APR2846	4.33	5.48
DLFPS	DLFPS-236-3586	4.50	5.48
PST	Silverdollar	5.17	5.48
NTR	APR2440	4.17	5.48
NTR	APR2753	4.67	5.48
NAI	NAI-17397	4.50	5.48
PST	PST-2SHRP	3.83	5.48
NTR	APR2839	4.33	5.44
NTR	APR2637	3.83	5.44
PPG	PPG-PR-338	4.33	5.44
NTR	APR2846	4.00	5.41
SS	Haven	4.67	5.40
SS	SEPR-3	4.00	5.37
PST	PST-2BET	4.33	5.37
PST	Carly	5.00	5.37
NTR	APR2617	5.17	5.33
SS	Nexus XD	4.33	5.33
SS	SEPR-2	4.50	5.33
NAI	NAI-17409	4.50	5.30
NAI	Commander ST	4.50	5.26
PST	Brightstar SLT	5.50	5.26
NAI	Prosport 4	4.50	5.26
NAI	Allsport 5	3.83	5.22
DLFPS	Karma	1.83	4.71
	CV	11.10	3.77
	LSD (0.05)	0.69	0.29

2018 Establishment = 1-9; 9=Best (2 ratings)  
 2019 Average Turf Quality = 1-9; 9=Best (9 ratings)



CTBT: 2017 Trial - 17CTFF16  
 Fine Fescue Turf Trial  
 Location: St. Paul, MN  
 Cooperator: Dr. Eric Watkins

2019 Data

SPONSOR	SPECIES	CULTIVAR	Subjective Data					
			Establishment 2017	Spring Green-Up 2018	Average Turf Quality 2018	Red Thread 2019	Average Turf Quality 2019	Average Turf Quality 2018-2019
PPG	Chewings	PPG-FRC 120	5.00	5.33	6.45	7.00	6.72	6.58
DLF	Chewings	DLF-FRC 50	4.33	5.33	6.45	7.67	6.39	6.42
CHECK	Chewings	Radar	5.00	5.00	6.17	7.67	6.17	6.17
Rutgers	Chewings	Z16-RCF	5.00	4.67	6.17	8.00	6.05	6.11
DLF	Chewings	DLF-FRC 54	5.67	4.67	6.00	7.33	6.00	6.00
DLF	Chewings	DLF-FRC 51	6.00	4.33	5.72	6.67	6.05	5.89
PPG	Chewings	PPG-FRC 118	5.33	4.33	6.06	5.67	5.61	5.83
NexGen	Chewings	ACF319	4.33	5.00	5.89	7.33	5.56	5.72
CHECK	Chewings	Sonar	5.33	4.33	5.67	5.67	5.72	5.70
DLF	Chewings	DLF-FRC 52	5.33	5.00	5.61	7.67	5.78	5.70
NexGen	Chewings	ACF303	5.67	4.33	5.67	6.00	5.61	5.64
NexGen	Chewings	ACF314	5.00	4.33	5.55	5.00	5.56	5.55
CHECK	Chewings	Survivor	5.33	5.00	5.67	5.67	5.44	5.55
CHECK	Chewings	Culumbra II	5.33	3.67	5.50	6.00	5.56	5.53
PPG	Chewings	PPG-FRC 113	3.00	5.67	5.33	6.33	5.50	5.41
PST	Chewings	PST-4SWT	5.00	4.67	5.28	5.33	5.50	5.39
NexGen	Chewings	ACF328	5.00	5.67	5.39	6.00	5.39	5.39
NexGen	Chewings	ACF309	5.00	5.67	5.22	5.33	5.50	5.36
NexGen	Chewings	ACF327	5.33	5.67	5.28	7.33	5.11	5.20
CHECK	Chewings	Koket	6.00	3.00	3.67	7.67	4.67	4.17
PPG	Hard Fescue	PPG-FL 115	3.00	4.33	6.72	9.00	7.67	7.19
DLF	Hard Fescue	DLF-FL 63	3.67	4.00	6.39	8.67	7.17	6.78
DLF	Hard Fescue	DLF-FL 54 M3	3.00	4.67	6.33	8.67	7.11	6.72
Rutgers	Hard Fescue	Z16-RHF	4.67	4.00	6.22	7.67	6.83	6.53
PPG	Hard Fescue	PPG-FL 113	4.00	4.00	6.56	8.67	6.44	6.50
DLF	Hard Fescue	DLF-FL 64	3.67	3.33	5.94	8.33	6.78	6.36
DLF	Hard Fescue	DLF-FL 53 M3	3.33	4.00	6.17	8.67	6.55	6.36
NexGen	Hard Fescue	AHF211	4.00	5.00	5.89	7.67	6.17	6.03
NexGen	Hard Fescue	AHF222	4.00	4.00	5.89	8.67	6.17	6.03
NexGen	Hard Fescue	AHF225	3.33	4.33	5.72	8.00	6.22	5.97
CHECK	Hard Fescue	Beacon	3.33	4.33	5.78	7.67	6.06	5.92
NexGen	Hard Fescue	AHF218	4.00	4.67	5.94	8.00	5.84	5.89
CHECK	Hard Fescue	SR 3150	3.00	4.00	5.67	7.33	6.06	5.87
NexGen	Hard Fescue	AHF205	3.33	4.33	5.44	8.33	6.28	5.86
CHECK	Hard Fescue	Bighorn GT	3.67	4.00	4.89	8.67	5.56	5.22
CHECK	Hard Fescue	Eureka II	3.67	4.33	4.78	8.00	5.44	5.11
PST	Sheep Fescue	PST-4BND	3.33	3.33	5.33	8.00	6.00	5.67
PPG	Sheep Fescue	PPG-FO 102	4.33	3.33	4.50	7.33	4.67	4.58
PST	Sheep Fescue	PST-4GUD	3.67	4.67	4.33	6.33	3.16	3.75
NexGen	Slender Red	ASR197	5.67	5.33	5.39	6.67	5.78	5.59
CHECK	Slender Red	SeaMist	5.67	5.00	5.39	6.67	5.50	5.45
NexGen	Slender Red	ASR175	4.00	4.67	5.56	6.00	4.84	5.20
CHECK	Slender Red	Seabreeze GT	3.67	5.00	5.28	6.33	4.89	5.09
PST	Strong Red	PST-4CR7	4.33	5.33	5.67	7.00	5.61	5.64
NexGen	Strong Red	ASC295	4.67	4.67	5.78	5.00	5.33	5.55
DLF	Strong Red	DLF-FRR 79	5.00	4.67	5.17	6.00	5.50	5.34
PPG	Strong Red	PPG-FRR 115	6.00	5.33	5.44	7.00	5.11	5.28
NexGen	Strong Red	ASC359	5.67	4.33	5.44	8.33	5.11	5.28
DLF	Strong Red	DLF-FRR 77	5.33	6.00	5.33	7.33	5.11	5.22
PPG	Strong Red	PPG-FRR 116	7.00	4.33	5.28	6.67	5.11	5.20
PST	Strong Red	PST-4BEN	4.00	5.67	5.55	6.33	4.83	5.19
CHECK	Strong Red	Lustrous	4.67	5.67	5.39	6.33	4.95	5.16
NexGen	Strong Red	ASC362	5.33	5.00	5.45	7.67	4.83	5.14
PST	Strong Red	PST-4ED4	6.00	3.00	5.50	5.33	4.67	5.09
DLF	Strong Red	DLF-FRR 72 M2	4.00	6.00	5.16	6.33	4.94	5.06
NexGen	Strong Red	ASC361	3.67	5.33	5.44	6.67	4.67	5.05
CHECK	Strong Red	Shademaster III	4.33	5.00	5.28	6.33	4.78	5.03
NexGen	Strong Red	ASC354	5.33	5.67	5.33	6.67	4.72	5.03
PPG	Strong Red	PPG-FRR 111	3.00	5.67	4.95	7.00	5.05	5.00

SPONSOR	SPECIES	CULTIVAR	Subjective Data					
			Establishment 2017	Spring Green-Up 2018	Average Turf Quality 2018	Red Thread 2019	Average Turf Quality 2019	Average Turf Quality 2018-2019
PPG	Strong Red	PPG-FRR 114	5.67	5.33	5.06	6.33	4.83	4.94
NexGen	Strong Red	ASC350	4.67	5.67	5.17	7.33	4.72	4.94
NexGen	Strong Red	ASC347	4.33	5.00	5.11	8.00	4.67	4.89
PST	Strong Red	PST-4DR4	4.33	4.67	5.11	6.00	4.66	4.89
Rutgers	Strong Red	Z16-DRBM	6.67	5.00	4.95	7.67	4.78	4.86
NexGen	Strong Red	ASC356	5.67	5.33	5.11	7.33	4.56	4.84
PST	Strong Red	PST-4SP14	3.33	4.67	4.89	5.00	4.72	4.81
NexGen	Strong Red	ASC351	5.00	4.00	5.06	5.67	4.56	4.80
NexGen	Strong Red	ASC348	4.67	5.00	5.06	7.33	4.45	4.75
Rutgers	Strong Red	Z16-DRBM2X	3.33	4.67	4.50	7.67	4.67	4.58
PST	Strong Red	Xeric	5.33	4.67	4.83	6.33	4.28	4.56
PST	Strong Red	PST-4RUE	2.67	4.67	4.61	6.67	4.39	4.50
DLF	Strong Red	DLF-FRR 75	5.33	5.33	4.44	6.67	4.28	4.36
DLF	Strong Red	DLF-FRR 76	5.67	4.00	3.89	7.33	4.00	3.94
CHECK	Strong Red	Boreal	5.33	5.33	3.17	7.33	3.83	3.50
PST	Strong Red	PST-4GRP*	0.00	0.00	0.00	0.00	0.00	0.00
		CV	17.78	17.45	6.51	1.17	6.96	5.48
		LSD (0.05)	1.09	1.10	0.47	0.75	0.50	0.39

2017 Establishment = 1-9; 9=Best (1 rating: Oct. 2, 2017)  
2018 Spring Green-Up = 1-9; 9=Darkest (1 rating: May 22, 2018)  
2018 Average Turf Quality = 1-9; 9=Best (6 ratings)  
2019 Red Threat = 1-9; 9=Most resistant (1 rating: July 10,2019)  
2019 Average Turf Quality=1-9; 9=Best (6 ratings)  
2018-2019 Average Turf Quality=1-9; 9=Best (12 ratings)

\*PST-4GRP did not establish.



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

2019 Data

SPONSOR	CULTIVAR	Subjective Data	
		Winter Injury 2019	Average Turf Quality 2019
PPG	PPG-PR-438	7.00	5.92
DLFPS	DLFPS-236-3575	8.50	5.75
DLFPS	DLFPS-236-3541	6.00	5.75
NAI	NAI-LM2	7.00	5.75
PPG	PPG-PR-437	7.00	5.75
DLFPS	DLFPS-236-3546	7.00	5.67
SS	Shield	8.00	5.67
PPG	PPG-PR-435	7.00	5.67
PST	SYN 2HAF	6.00	5.67
PPG	PPG-PR-436	7.50	5.59
DLFPS	DLFPS-236-3540	7.50	5.50
DLFPS	Allstar 3	7.00	5.50
PPG	PPG-PR-310	7.00	5.50
PPG	PPG-PR-434	8.00	5.50
PPG	PPG-PR-376	7.00	5.34
PST	PST-2BD1	6.50	5.34
PPG	PPG-PR-368	6.50	5.33
PPG	PPG-PR-433	8.00	5.33
NTR	APR2612	6.50	5.25
NTR	APR2154	8.00	5.25
DLFPS	DLFPS-236-3578	6.00	5.25
DLFPS	DLFPS-236-3580	7.50	5.25
PPG	Grandslam GLD	7.50	5.25
PST	PST-2FLAT	5.50	5.25
PST	PST-2GDS	6.50	5.25
DLFPS	DLFPS-236-3583	6.50	5.17
NAI	NAI-17106	7.00	5.17
NTR	APR2616	7.00	5.09
SS	SEPR-106	7.00	5.09
NTR	APR2946	7.00	5.08
DLFPS	DLFPS-236-3543	6.00	5.08
NTR	APR2977	7.50	5.00
DLFPS	DLFPS-236-3579	6.00	5.00
NAI	NAI-17397	5.50	5.00
SS	SEPR-1	6.50	5.00
PPG	PPG-PR-229	5.00	5.00
PST	PST-2MAY	5.50	5.00
PST	PST-2WHB	7.00	5.00
PST	PST-2BGL	5.50	5.00
NTR	APR2685	6.50	4.92
DLFPS	DLFPS-236-3582	6.50	4.92
DLFPS	DLFPS-236-3538	7.50	4.92
PST	Silver Sun	5.00	4.92
NTR	APR2463	7.00	4.84
SS	SEPR-3	7.50	4.84
PPG	PPG-PR-342	6.00	4.84
NTR	APR2839	7.00	4.83
NAI	NAI-1422	7.00	4.83
SS	Nexus XR	7.00	4.83
NTR	APR3060	7.50	4.75
NTR	APR2719	5.50	4.75
DLFPS	DLFPS-236-3547	5.00	4.75
PST	PST-2MKD	6.00	4.75
PST	PST-2BAD	5.00	4.75
NTR	APR2853	5.50	4.67
PPG	Homerun	8.50	4.67
PPG	PPG-PR-472	6.00	4.67

SPONSOR	CULTIVAR	Subjective Data	
		Winter Injury 2019	Average Turf Quality 2019
NTR	APR2846	5.50	4.67
NTR	APR2637	6.50	4.67
DLFPS	DLFPS-236-3584	6.00	4.67
PPG	PPG-PR-432	6.00	4.67
PPG	PPG-PR-471	5.50	4.67
PPG	PPG-PR-477	5.50	4.67
PST	PST-2E6	5.50	4.67
NTR	APR2973	6.00	4.59
NAI	NAI-LD52	6.50	4.59
SS	SEPR-2	8.00	4.59
PST	Brightstar SLT	6.50	4.59
NTR	Soprano	7.00	4.58
DLFPS	DLFPS-236-3542	4.50	4.58
DLFPS	DLFPS-236-3585	6.50	4.58
PPG	PPG-PR-344	4.50	4.58
DLFPS	DLFPS-236-3581	5.50	4.50
NAI	NAI-LM3	7.00	4.50
SS	SEPR-N6	7.50	4.50
SS	SEPR-107	5.50	4.50
SS	Signet	6.50	4.50
PST	PST-2BET	5.50	4.50
NTR	APR2848	5.00	4.42
NTR	APR2703	5.50	4.42
NTR	APR2617	5.50	4.34
SS	SNX	5.00	4.34
PST	PST-2SHRP	5.00	4.34
NTR	APR2440	5.50	4.33
NTR	APR2944	6.00	4.33
PPG	PPG-PR-478	5.00	4.33
PST	PST-2DRG	5.50	4.33
NTR	APR2609	5.50	4.25
NTR	APR2846	5.50	4.17
DLFPS	DLFPS-236-3576	5.00	4.17
NTR	APR2462	5.00	4.17
NTR	APR2237	5.00	4.17
DLFPS	DLFPS-236-3586	5.50	4.17
NAI	Allsport 5	5.00	4.17
NTR	APR2856	5.00	4.09
PPG	PPG-PR-338	4.50	4.09
SS	Nexus XD	6.50	4.00
SS	Haven	6.00	3.92
PST	PST-214	4.50	3.92
DLFPS	DLFPS-236-3577	5.00	3.92
DLFPS	DLFPS-236-3024	4.50	3.92
PST	New Sealand	5.00	3.92
NAI	Evolution	5.50	3.84
PST	Carly	5.50	3.83
NAI	Notable	6.50	3.59
PST	Silver Sport	4.00	3.58
PST	Silverdollar	4.50	3.50
DLFPS	Karma	4.00	3.25
NAI	Prosport 4	5.50	3.25
NAI	Commander ST	5.00	3.00
NTR	APRT2835	3.50	2.84
NTR	APR2753	4.50	2.75
NTR	APR2790	4.50	2.59
NAI	NAI-17409	3.00	1.92
CV		23.62	17.42
LSD (0.05)		2.37	1.34

2019 Winter Injury = 1-9; 9=Least Damage (1 rating: May 20, 2019)  
 2019 Average Turf Quality = 1-9; 9=Best (6 ratings)



CTBT: 2017 Trial - 17CTFF1

Fine Fescue Turf Trial

Location: Freehold, NJ

2019 Data

Cooperator: Dr. William Meyer

SPONSOR	SPECIES	CULTIVAR	Subjective Data			
			Establishment 2017	Average Turf Quality 2018	Average Turf Quality 2019	Average Turf Quality 2018 - 2019
DLF	Chewings	DLF-FRC 50	7.00	5.57	6.71	6.14
Rutgers	Chewings	Z16-RCF	6.33	5.29	6.62	5.96
PPG	Chewings	PPG-FRC 120	6.67	5.57	6.15	5.86
DLF	Chewings	DLF-FRC 54	6.00	5.43	6.19	5.81
NexGen	Chewings	ACF314	6.67	5.62	5.90	5.76
CHECK	Chewings	Radar	7.67	5.72	5.57	5.64
NexGen	Chewings	ACF328	7.00	5.00	5.81	5.40
PPG	Chewings	PPG-FRC 118	7.33	5.09	5.48	5.29
DLF	Chewings	DLF-FRC 51	8.00	4.76	5.76	5.26
NexGen	Chewings	ACF303	6.33	5.19	5.29	5.24
CHECK	Chewings	Sonar	8.00	4.95	5.48	5.22
PPG	Chewings	PPG-FRC 113	4.33	4.81	5.43	5.12
NexGen	Chewings	ACF319	6.67	4.72	5.38	5.05
PST	Chewings	PST-4SWT	7.33	4.14	5.33	4.74
CHECK	Chewings	Survivor	8.00	4.43	4.91	4.67
NexGen	Chewings	ACF327	8.33	4.43	4.81	4.62
CHECK	Chewings	Culumbra II	6.33	4.43	4.52	4.48
NexGen	Chewings	ACF309	7.00	3.67	4.29	3.98
DLF	Chewings	DLF-FRC 52	5.67	3.71	3.52	3.62
CHECK	Chewings	Koket	7.33	2.24	2.52	2.38
PPG	Hard Fescue	PPG-FL 115	6.33	6.57	6.90	6.74
DLF	Hard Fescue	DLF-FL 53 M3	5.33	5.95	6.57	6.26
Rutgers	Hard Fescue	Z16-RHF	6.00	6.00	6.43	6.22
DLF	Hard Fescue	DLF-FL 63	5.67	5.81	6.62	6.21
PPG	Hard Fescue	PPG-FL 113	6.33	5.81	6.38	6.10
NexGen	Hard Fescue	AHF205	5.33	5.24	6.38	5.81
DLF	Hard Fescue	DLF-FL 64	5.33	5.86	5.52	5.69
CHECK	Hard Fescue	Beacon	6.33	5.48	5.71	5.60
DLF	Hard Fescue	DLF-FL 54 M3	5.67	5.28	5.62	5.45
NexGen	Hard Fescue	AHF222	6.00	4.71	5.71	5.21
NexGen	Hard Fescue	AHF218	7.33	4.90	5.43	5.17
NexGen	Hard Fescue	AHF225	6.33	5.05	5.29	5.17
CHECK	Hard Fescue	SR 3150	7.00	4.86	5.38	5.12
NexGen	Hard Fescue	AHF211	7.00	4.48	5.00	4.74
CHECK	Hard Fescue	Eureka II	7.00	3.90	4.62	4.26
CHECK	Hard Fescue	Bighorn GT	5.67	3.86	4.57	4.21
PST	Sheep Fescue	PST-4BND	4.67	4.38	4.66	4.52
PST	Sheep Fescue	PST-4GUD	3.67	4.57	4.05	4.31
PPG	Sheep Fescue	PPG-FO 102	4.00	4.38	3.81	4.09
NexGen	Slender Red	ASR197	8.33	4.09	5.34	4.71
CHECK	Slender Red	SeaMist	8.67	3.86	4.62	4.24
NexGen	Slender Red	ASR175	3.67	3.33	3.86	3.60
CHECK	Slender Red	Seabreeze GT	4.33	3.34	2.81	3.07

SPONSOR	SPECIES	CULTIVAR	Subjective Data			
			Establishment 2017	Average Turf Quality 2018	Average Turf Quality 2019	Average Turf Quality 2018 - 2019
NexGen	Strong Red	ASC295	5.00	4.57	4.91	4.74
PPG	Strong Red	PPG-FRR 115	7.67	4.53	4.91	4.72
DLF	Strong Red	DLF-FRR 79	6.33	4.33	4.67	4.50
PPG	Strong Red	PPG-FRR 116	7.33	4.10	4.81	4.45
PST	Strong Red	PST-4CR7	8.33	4.19	4.62	4.40
PPG	Strong Red	PPG-FRR 111	4.00	4.00	4.67	4.34
NexGen	Strong Red	ASC350	8.00	4.05	4.48	4.26
NexGen	Strong Red	ASC359	7.33	4.10	4.00	4.05
NexGen	Strong Red	ASC362	7.00	3.76	4.33	4.04
DLF	Strong Red	DLF-FRR 72 M2	8.33	3.67	4.24	3.96
NexGen	Strong Red	ASC361	7.33	3.95	3.91	3.93
Rutgers	Strong Red	Z16-DRBM	7.67	3.48	4.19	3.83
PST	Strong Red	PST-4BEN	5.00	3.67	3.86	3.76
PST	Strong Red	PST-4SP14	3.67	3.48	4.00	3.74
NexGen	Strong Red	ASC348	6.00	3.62	3.71	3.66
NexGen	Strong Red	ASC356	7.33	3.57	3.71	3.64
NexGen	Strong Red	ASC351	8.00	3.62	3.62	3.62
DLF	Strong Red	DLF-FRR 77	6.67	3.48	3.62	3.55
CHECK	Strong Red	Shademaster III	6.33	3.38	3.67	3.53
PPG	Strong Red	PPG-FRR 114	9.00	3.24	3.53	3.38
PST	Strong Red	PST-4RUE	4.00	3.33	3.38	3.36
NexGen	Strong Red	ASC347	6.33	3.38	3.24	3.31
CHECK	Strong Red	Lustrous	8.67	3.19	3.38	3.29
PST	Strong Red	PST-4DR4	3.67	3.48	3.05	3.26
NexGen	Strong Red	ASC354	6.33	3.10	3.19	3.14
PST	Strong Red	PST-4ED4	8.00	3.38	2.67	3.02
Rutgers	Strong Red	Z16-DRBM2X	3.00	2.86	3.09	2.97
PST	Strong Red	Xeric	7.00	2.95	2.86	2.91
DLF	Strong Red	DLF-FRR 75	7.33	2.19	1.91	2.05
DLF	Strong Red	DLF-FRR 76	8.67	1.95	1.57	1.76
CHECK	Strong Red	Boreal	9.00	1.86	1.57	1.72
PST	Strong Red	PST-4GRP*	0.00	0.00	0.00	0.00
		CV	14.54	9.65	12.15	9.08
		LSD (0.05)	1.28	0.56	0.75	0.53

2017 Establishment = 1-9; 9=Best (1 rating: Oct. 12, 2017)  
2018 Average Turf Quality = 1-9; 9=Best (7 ratings)  
2019 Average Turf Quality = 1-9; 9=Best (7 ratings)  
2018 - 2019 Average Turf Quality = 1-9; 9=Best (14 ratings)  
\*PST-4GRP did not establish

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

2019 Data

SPONSOR	CULTIVAR	Subjective Data						
		Establishment 2018	Grey Leaf Spot 2018	Average Turf Quality 2018	Stemminess 2019	Dollar Spot 2019	Average Turf Quality 2019	Average Turf Quality 2018 - 2019
DLFPS	DLFPS-236-3547	7.00	7.00	8.00	3.33	3.33	6.24	7.12
DLFPS	DLFPS-236-3582	6.67	7.00	7.83	3.67	2.00	6.09	6.97
PST	PST-214	5.67	7.33	7.83	4.33	3.67	6.00	6.92
PPG	PPG-PR-434	7.00	8.00	8.33	4.33	3.33	5.33	6.84
PPG	PPG-PR-344	7.67	8.33	7.67	5.00	4.00	5.95	6.81
DLFPS	DLFPS-236-3546	7.33	6.67	7.50	3.67	2.33	5.86	6.68
PPG	PPG-PR-342	7.33	7.00	7.33	4.67	3.67	5.95	6.64
PPG	PPG-PR-229	6.00	5.33	7.17	5.33	2.33	5.96	6.56
PPG	PPG-PR-436	6.67	6.33	6.83	5.00	2.33	6.24	6.54
PPG	PPG-PR-438	7.67	7.67	6.67	6.00	5.33	6.38	6.53
SS	Signet	7.33	7.67	7.50	3.00	3.00	5.48	6.49
PPG	PPG-PR-435	7.67	7.67	7.33	3.00	1.67	5.62	6.48
PPG	PPG-PR-437	7.67	7.00	6.67	3.00	2.33	6.10	6.39
PPG	PPG-PR-478	5.00	6.33	6.33	4.00	2.67	6.38	6.36
DLFPS	DLFPS-236-3581	6.00	6.33	6.83	4.67	2.33	5.81	6.32
PPG	PPG-PR-368	7.67	7.33	7.50	4.00	5.33	5.05	6.27
DLFPS	DLFPS-236-3542	5.33	6.33	6.67	4.00	3.67	5.76	6.21
DLFPS	DLFPS-236-3543	7.67	6.67	6.83	4.67	4.00	5.52	6.18
PPG	PPG-PR-310	7.67	7.00	6.50	5.67	3.00	5.85	6.18
PPG	PPG-PR-338	6.33	7.00	6.50	5.67	3.67	5.71	6.11
PPG	PPG-PR-376	6.67	6.33	6.83	3.33	2.67	5.38	6.11
PST	Silver Sport	5.33	6.67	6.67	5.00	3.33	5.52	6.09
PST	PST-2E6	5.00	6.33	7.17	3.00	6.00	4.90	6.03
PPG	PPG-PR-477	6.33	6.00	6.33	5.00	4.67	5.72	6.02
PPG	PPG-PR-433	7.33	6.33	7.00	3.33	3.00	5.05	6.02
NTR	APR2609	5.67	6.67	7.00	4.33	2.67	5.00	6.00
DLFPS	DLFPS-236-3577	5.67	6.33	6.50	2.67	5.67	5.48	5.99
DLFPS	DLFPS-236-3578	5.33	6.00	6.50	3.00	2.67	5.43	5.96
DLFPS	DLFPS-236-3584	7.67	6.33	6.50	5.00	5.00	5.38	5.94
DLFPS	DLFPS-236-3575	7.00	6.33	6.33	6.00	4.67	5.52	5.93
NAI	Evolution	6.00	6.00	6.83	5.67	5.00	4.90	5.87
PPG	PPG-PR-432	6.67	5.33	6.33	4.00	5.00	5.24	5.79
PST	PST-2MAY	6.33	6.67	6.83	4.33	5.33	4.71	5.77
SS	Shield	6.33	6.67	6.17	4.33	3.00	5.33	5.75
PST	PST-2GDS	5.67	6.00	6.33	5.33	5.00	5.09	5.71
DLFPS	DLFPS-236-3541	6.67	5.33	5.83	4.67	5.67	5.57	5.70
PST	PST-2BET	5.00	5.67	6.67	5.00	4.33	4.57	5.62
PST	PST-2FLAT	5.33	5.67	6.33	5.67	1.67	4.86	5.60
DLFPS	Allstar 3	6.00	6.33	6.00	5.67	4.00	5.10	5.55
DLFPS	DLFPS-236-3538	6.67	6.00	5.83	7.33	5.00	5.24	5.53
NTR	APR2753	5.00	5.00	6.17	6.67	4.33	4.62	5.39
NAI	NAI-LM2	5.00	5.00	5.83	5.67	5.00	4.95	5.39
PPG	PPG-PR-472	6.00	5.67	6.50	6.33	4.33	4.24	5.37
PST	PST-2BD1	8.00	4.67	5.50	7.00	5.00	5.24	5.37
DLFPS	DLFPS-236-3583	6.00	5.33	5.33	5.00	4.67	5.19	5.26
PST	PST-2DRG	6.00	5.67	6.00	6.33	4.67	4.48	5.24
DLFPS	DLFPS-236-3576	6.33	4.33	5.00	2.67	2.67	5.29	5.14
DLFPS	DLFPS-236-3586	6.67	6.67	5.33	5.00	3.67	4.91	5.12
DLFPS	Karma	3.67	4.67	5.33	5.67	4.00	4.62	4.98
SS	SEPR-107	5.00	4.33	5.33	3.00	3.67	4.62	4.98
PST	PST-2BAD	5.67	4.67	4.67	2.67	4.33	5.24	4.95
NAI	Allsport 5	6.33	4.00	5.67	3.00	3.33	4.24	4.95
SS	SEPR-106	5.67	4.33	5.17	3.33	2.00	4.71	4.94
PPG	Grandslam GLD	7.67	5.33	5.50	3.67	3.33	4.38	4.94
PPG	PPG-PR-471	5.33	4.00	4.83	2.00	2.67	5.00	4.92
NTR	APR2616	5.67	4.33	5.17	2.67	1.67	4.52	4.85

SPONSOR	CULTIVAR	Subjective Data						
		Establishment 2018	Grey Leaf Spot 2018	Average Turf Quality 2018	Stemminess 2019	Dollar Spot 2019	Average Turf Quality 2019	Average Turf Quality 2018 - 2019
DLFPS	DLFPS-236-3579	4.00	4.33	4.33	3.00	5.33	5.33	4.83
NAI	NAI-17397	5.33	4.00	5.00	3.00	3.67	4.67	4.83
PST	Carly	8.00	4.33	5.17	3.33	3.33	4.43	4.80
DLFPS	DLFPS-236-3540	6.00	5.00	4.67	2.67	4.33	4.86	4.76
SS	Haven	8.00	6.00	5.33	2.33	3.00	4.19	4.76
NTR	APR2685	5.67	5.00	4.33	3.00	4.67	5.14	4.74
PST	SYN 2HAF	4.33	4.00	4.67	3.33	2.33	4.76	4.71
NTR	APR2973	6.00	3.33	4.50	1.67	1.67	4.86	4.68
NTR	APR2617	4.67	4.33	5.33	1.67	2.00	3.95	4.64
NTR	APR2946	5.67	3.67	4.50	2.33	2.00	4.57	4.53
PST	PST-2BGL	5.00	3.67	4.50	4.33	3.33	4.43	4.47
NTR	APR2703	4.67	4.00	4.50	4.00	3.00	4.43	4.46
NAI	NAI-17106	4.67	4.67	4.67	2.33	3.00	4.24	4.45
NTR	APR2856	4.67	4.00	4.00	3.00	4.67	4.76	4.38
PST	Silverdollar	6.67	3.00	4.67	2.33	3.00	4.00	4.33
DLFPS	DLFPS-236-3585	6.67	4.33	4.83	3.00	3.67	3.76	4.30
NAI	NAI-17409	5.67	3.33	4.00	3.33	2.33	4.57	4.28
PST	New Sealand	6.00	3.67	4.50	6.67	5.33	4.05	4.28
NAI	NAI-LM3	5.33	3.33	4.33	3.33	3.00	4.14	4.24
NTR	APR2154	6.00	3.33	4.00	5.33	2.67	4.43	4.22
PST	Silver Sun	7.33	3.33	4.17	6.00	5.00	4.24	4.20
DLFPS	DLFPS-236-3580	5.33	4.33	4.17	5.00	4.67	4.19	4.18
NTR	Soprano	4.67	5.00	4.33	5.00	6.00	4.00	4.17
NTR	APR2612	2.67	2.00	3.83	5.67	5.00	4.38	4.11
NTR	APR2719	5.00	3.33	4.17	4.00	4.67	3.95	4.06
PST	PST-2WHB	4.67	3.33	4.00	3.67	4.67	4.10	4.05
NAI	Notable	6.33	3.67	4.17	4.67	4.00	3.90	4.04
NTR	APR2853	4.33	3.33	4.33	4.33	4.33	3.62	3.97
NTR	APR2944	4.67	3.00	3.33	5.33	3.00	4.43	3.88
NTR	APR2790	4.67	3.00	3.17	3.33	4.33	4.57	3.87
NTR	APR2848	6.00	3.33	3.00	6.00	4.67	4.67	3.83
NTR	APR2977	5.67	2.33	3.50	6.33	6.67	4.10	3.80
NTR	APR2440	4.00	4.00	3.67	5.67	5.00	3.81	3.74
NTR	APR2237	4.67	3.67	3.67	5.00	6.33	3.81	3.74
NAI	Prosport 4	7.67	2.67	3.67	5.00	4.67	3.76	3.71
NAI	NAI-1422	5.00	4.00	3.67	3.00	2.67	3.71	3.69
NAI	NAI-LD52	5.00	3.33	3.17	5.33	4.33	4.10	3.63
NTR	APR2637	4.67	3.33	4.00	5.67	5.00	3.24	3.62
PST	PST-2MKD	5.33	3.00	3.17	5.00	2.67	4.05	3.61
NTR	APRT2835	4.33	3.67	3.33	5.67	5.33	3.71	3.52
PPG	Homerun	7.00	3.00	3.17	4.33	2.00	3.62	3.39
SS	SNX	5.67	2.67	3.00	5.33	2.33	3.67	3.33
PST	PST-2SHRP	5.00	2.67	2.83	5.67	4.33	3.57	3.21
NAI	Commander ST	6.67	3.00	2.83	3.00	3.33	3.09	2.97
SS	SEPR-2	5.33	2.33	2.50	3.00	2.67	3.43	2.96
SS	Nexus XR	6.33	2.00	2.00	5.67	6.00	3.24	2.62
SS	SEPR-N6	7.00	1.67	2.17	3.00	4.00	2.71	2.44
NTR	APR2462	6.00	1.00	1.33	4.67	2.67	3.29	2.31
NTR	APR3060	5.33	1.33	1.17	4.33	3.67	3.43	2.30
NTR	APR2463	3.67	2.33	1.67	4.00	4.00	2.81	2.24
DLFPS	DLFPS-236-3024	3.33	1.33	1.17	5.00	5.00	3.29	2.23
SS	Nexus XD	7.00	1.33	1.33	2.67	4.33	3.10	2.21
SS	SEPR-3	4.67	1.67	1.83	2.33	2.67	2.43	2.13
NTR	APR2839	5.00	2.33	1.67	2.33	3.67	2.53	2.10
NTR	APR2846	5.33	1.00	1.00	2.33	2.33	3.00	2.00
SS	SEPR-1	7.33	1.67	1.33	3.33	2.33	2.48	1.91
NTR	APR2846	6.67	1.33	1.33	4.00	5.67	2.43	1.88
PST	Brightstar SLT	6.67	1.00	1.00	4.67	4.33	1.95	1.48
	CV	15.89	17.96	12.50	19.13	29.26	10.76	8.67
	LSD (0.05)	1.26	1.11	0.83	1.09	1.50	0.66	0.56

2018 Establishment = 1-9; 9=Best (1 rating: Sept. 17, 2018)  
2018 Grey Leaf Spot = 1-9; 9=Most Resistant (1 rating: Sept. 27, 2018)  
2018 Turf Quality = 1-9; 9=Best (2 ratings)  
2019 Stemminess = 1-9; 9=Best (1 rating: June 12, 2019)

2019 Dollar Spot = 1-9; 9=Most Resistant (1 rating: Aug. 9, 2019)  
2019 Turf Quality = 1-9; 9=Best (7 ratings)  
2018 - 2019 Average Turf Quality = 1-9; 9=Best (9 ratings)

CTBT: 2017 Trial - 17CTFF2  
 Fine Fescue Turf Trial  
 Location: Salem, NJ  
 Cooperator: Steve Langlois

2019 Data

SPONSOR	SPECIES	CULTIVAR	Objective Data						
			Summer Stress 2018-2019	Average Percent Cover 2018 - 2019	Average Cover 2018 - 2019	Average Genetic Color 2018 - 2019	Average Density 2018 - 2019	Average Uniformity 2018 - 2019	Average Turf Quality 2018 - 2019
Rutgers	Chewings	Z16-RCF	22.29	63.60	5.98	4.14	2.37	7.93	5.10
PPG	Chewings	PPG-FRC 113	18.63	58.93	4.51	4.30	2.87	8.29	4.99
NexGen	Chewings	ACF314	19.44	55.92	4.22	4.07	2.81	8.10	4.80
DLF	Chewings	DLF-FRC 50	24.62	63.33	5.22	4.28	2.26	7.42	4.79
DLF	Chewings	DLF-FRC 54	17.72	58.71	3.98	3.99	2.47	7.92	4.59
PPG	Chewings	PPG-FRC 120	17.26	55.34	4.16	4.09	2.86	7.09	4.55
CHECK	Chewings	Sonar	16.82	54.64	3.48	4.13	2.75	7.71	4.52
PPG	Chewings	PPG-FRC 118	18.24	58.79	3.76	4.11	3.01	7.04	4.48
NexGen	Chewings	ACF327	19.47	51.18	3.19	4.13	3.06	7.44	4.46
NexGen	Chewings	ACF328	15.27	48.39	2.42	4.27	3.18	7.62	4.37
NexGen	Chewings	ACF319	19.42	47.10	3.03	4.20	2.92	7.21	4.35
CHECK	Chewings	Survivor	13.29	53.21	2.44	4.19	2.65	7.61	4.22
CHECK	Chewings	Culumbra II	16.30	48.02	1.70	4.22	3.01	7.36	4.07
CHECK	Chewings	Radar	18.34	54.96	2.56	4.07	3.00	6.33	3.99
DLF	Chewings	DLF-FRC 51	14.29	50.51	2.68	3.92	2.84	6.23	3.92
NexGen	Chewings	ACF309	14.15	38.84	1.41	4.21	2.85	6.86	3.83
NexGen	Chewings	ACF303	20.05	51.22	1.66	4.27	2.77	6.43	3.78
DLF	Chewings	DLF-FRC 52	17.07	42.87	1.12	4.17	2.68	6.60	3.64
PST	Chewings	PST-4SWT	12.74	45.26	1.04	3.92	2.80	6.70	3.62
CHECK	Chewings	Koket	8.19	37.00	1.20	3.59	2.83	5.39	3.25
DLF	Hard Fescue	DLF-FL 63	32.20	76.82	5.98	4.52	2.65	7.86	5.25
DLF	Hard Fescue	DLF-FL 53 M3	39.50	73.65	5.28	4.53	2.97	7.90	5.18
PPG	Hard Fescue	PPG-FL 113	42.90	76.03	5.43	4.52	2.33	8.12	5.10
CHECK	Hard Fescue	Beacon	33.38	75.71	5.53	4.14	2.51	8.14	5.08
DLF	Hard Fescue	DLF-FL 64	31.40	70.54	5.18	4.26	2.92	7.91	5.07
DLF	Hard Fescue	DLF-FL 54 M3	30.98	72.97	5.16	4.22	2.54	8.15	5.01
Rutgers	Hard Fescue	Z16-RHF	33.77	70.26	5.05	4.26	2.64	7.88	4.96
PPG	Hard Fescue	PPG-FL 115	37.13	73.25	5.13	4.29	2.47	7.69	4.90
NexGen	Hard Fescue	AHF225	31.70	64.36	3.72	4.25	3.24	8.03	4.82
NexGen	Hard Fescue	AHF218	31.27	64.90	4.14	4.15	2.91	7.48	4.67
NexGen	Hard Fescue	AHF222	33.81	65.25	3.92	4.32	3.40	7.01	4.66
NexGen	Hard Fescue	AHF205	38.54	67.15	3.67	4.07	2.79	7.86	4.59
CHECK	Hard Fescue	SR 3150	28.90	63.86	4.00	4.09	2.92	7.22	4.55
NexGen	Hard Fescue	AHF211	27.24	59.35	3.31	4.05	3.16	7.51	4.50
CHECK	Hard Fescue	Bighorn GT	27.32	59.32	2.67	4.70	3.33	7.28	4.50
CHECK	Hard Fescue	Eureka II	25.77	61.30	3.27	4.41	2.93	7.17	4.45
PST	Sheep Fescue	PST-4BND	22.24	64.93	4.62	4.26	3.12	7.89	4.98
PST	Sheep Fescue	PST-4GUD	38.33	73.61	5.23	4.92	2.66	6.75	4.88
PPG	Sheep Fescue	PPG-FO 102	17.95	50.61	2.75	3.99	2.49	6.48	3.93
NexGen	Slender Red	ASR197	15.96	60.02	4.36	4.21	2.76	6.57	4.48
CHECK	Slender Red	SeaMist	19.53	56.68	3.61	3.75	2.10	7.44	4.22
NexGen	Slender Red	ASR175	9.96	47.49	1.17	4.30	3.70	7.02	4.05
CHECK	Slender Red	Seabreeze GT	8.93	51.25	2.43	4.00	2.74	6.34	3.88
PST	Strong Red	PST-4CR7	23.04	57.61	2.10	4.38	4.53	7.40	4.61
PPG	Strong Red	PPG-FRR 111	13.44	57.36	2.51	4.43	3.92	7.51	4.59
NexGen	Strong Red	ASC362	20.10	54.74	2.24	4.33	4.44	7.36	4.59
NexGen	Strong Red	ASC361	19.95	54.33	1.77	4.25	4.57	7.60	4.55
Rutgers	Strong Red	Z16-DRBM	12.47	55.37	2.24	4.22	4.22	7.47	4.53
PPG	Strong Red	PPG-FRR 116	19.05	53.76	1.65	4.35	4.33	7.33	4.41
DLF	Strong Red	DLF-FRR 79	20.86	56.83	2.29	4.42	4.20	6.75	4.41
NexGen	Strong Red	ASC359	17.11	52.22	1.39	4.40	4.59	7.25	4.40
PPG	Strong Red	PPG-FRR 115	17.94	53.97	1.63	4.42	4.32	7.05	4.35
NexGen	Strong Red	ASC351	15.98	44.62	1.62	4.36	4.15	7.25	4.34
NexGen	Strong Red	ASC356	16.62	48.76	1.62	4.34	4.00	7.26	4.31
NexGen	Strong Red	ASC350	18.80	54.11	1.61	4.24	4.17	6.93	4.24
PST	Strong Red	PST-4SP14	17.85	52.04	1.38	4.46	4.06	7.02	4.23
NexGen	Strong Red	ASC347	13.67	47.82	1.00	4.47	4.16	7.09	4.18
PST	Strong Red	PST-4RUE	12.43	50.15	1.16	4.45	4.26	6.62	4.12
NexGen	Strong Red	ASC354	16.80	46.78	1.51	4.39	4.00	6.53	4.10

SPONSOR	SPECIES	CULTIVAR	Objective Data						
			Summer Stress 2018-2019	Average Percent Cover 2018 - 2019	Average Cover 2018 - 2019	Average Genetic Color 2018 - 2019	Average Density 2018 - 2019	Average Uniformity 2018 - 2019	Average Turf Quality 2018 - 2019
CHECK	Strong Red	Shademaster III	14.12	50.38	1.35	4.29	4.03	6.65	4.08
PST	Strong Red	PST-4BEN	12.74	48.10	1.00	4.31	3.60	7.37	4.07
NexGen	Strong Red	ASC348	14.81	43.59	1.28	4.25	4.01	6.55	4.02
CHECK	Strong Red	Lustrous	12.97	48.73	1.09	4.28	3.67	7.01	4.02
PST	Strong Red	Xeric	11.02	45.79	1.38	4.24	3.78	6.63	4.01
PPG	Strong Red	PPG-FRR 114	9.35	47.69	1.44	4.09	3.73	6.66	3.98
PST	Strong Red	PST-4ED4	12.07	46.10	1.50	4.21	4.00	6.12	3.96
DLF	Strong Red	DLF-FRR 77	13.33	47.36	1.45	4.00	3.54	6.73	3.93
NexGen	Strong Red	ASC295	14.41	44.57	2.06	4.21	3.24	6.17	3.92
Rutgers	Strong Red	Z16-DRBM2X	10.57	46.34	1.07	4.15	4.02	6.02	3.82
DLF	Strong Red	DLF-FRR 72 M2	6.73	42.13	1.03	3.92	4.49	5.66	3.78
PST	Strong Red	PST-4DR4	9.94	44.63	1.00	4.28	4.14	5.45	3.72
DLF	Strong Red	DLF-FRR 76	9.52	39.97	1.44	3.78	3.58	5.94	3.69
PST	Strong Red	PST-4GRP	22.03	45.63	1.98	4.66	3.08	4.93	3.66
CHECK	Strong Red	Boreal	7.26	33.62	1.00	3.76	3.54	6.09	3.60
DLF	Strong Red	DLF-FRR 75	7.15	35.88	1.51	3.88	3.40	5.35	3.54
		CV	20.62	9.27	28.17	3.29	12.49	10.99	7.31
		LSD (0.05)	5.45	6.83	1.04	0.19	0.56	1.05	0.43

2018-2019 Average Summer Stress=% Cover (5 ratings)

2018-2019 Average Percent Cover = % Cover (4 ratings)

2018-2019 Average Cover = 1-9; 9=Most Cover (3 ratings)

2018-2019 Average Genetic Color = 1-9; 9=Darkest (3 ratings)

2018-2019 Average Density = 1-9; 9=Most Dense (3 ratings)

2018-2019 Average Uniformity = 1-9; 9=Most Uniform (3 ratings)

2018-2019 Average Turf Quality = 1-9; 9=Best (3 ratings)



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

2019 Data

		Objective Data							
SPONSOR	CULTIVAR	Gray Leaf Spot 2018	Average Summer Stress 2019	Average Percent Cover 2019	Average Cover 2019	Average Genetic Color 2019	Average Density 2019	Average Uniformity 2019	Average Turf Quality 2019
DLFPS	DLFPS-236-3576	68.13	16.17	86.52	5.57	7.83	4.12	7.45	6.24
DLFPS	DLFPS-236-3578	70.03	16.38	86.63	5.44	7.67	4.09	7.73	6.23
NTR	APR2839	16.46	7.16	85.00	5.00	7.93	5.00	6.95	6.22
NTR	APR2848	37.81	13.18	86.16	5.31	8.05	4.78	6.73	6.22
PST	PST-2GDS	75.45	14.47	87.71	5.72	7.69	4.19	6.83	6.11
DLFPS	DLFPS-236-3543	74.81	19.99	88.03	5.81	7.81	3.98	6.84	6.11
NTR	APR2609	76.87	7.92	86.06	5.29	7.82	3.82	7.48	6.10
PST	Silver Sport	85.33	14.18	84.76	4.94	7.91	4.65	6.77	6.07
PST	PST-2MAY	74.16	7.65	85.99	5.26	7.79	4.12	7.08	6.06
PPG	Grandslam GLD	65.52	9.50	84.85	4.96	7.50	4.45	7.25	6.04
PPG	PPG-PR-437	65.56	12.44	87.55	5.68	7.69	3.94	6.80	6.02
PST	PST-214	89.37	13.33	87.55	5.68	8.14	4.06	6.14	6.00
PPG	PPG-PR-342	83.10	9.12	83.98	4.94	7.69	4.09	7.19	5.98
PST	SYN 2HAF	66.59	16.11	84.77	4.94	7.89	4.56	6.40	5.95
DLFPS	DLFPS-236-3584	76.59	7.18	84.06	4.75	7.56	3.89	7.52	5.93
PPG	PPG-PR-478	75.24	15.38	86.77	5.47	7.73	4.05	6.43	5.92
PPG	PPG-PR-471	74.02	9.56	83.90	4.83	7.68	4.07	7.06	5.91
DLFPS	DLFPS-236-3582	86.45	18.53	87.68	5.71	7.71	3.56	6.66	5.91
DLFPS	DLFPS-236-3575	68.05	17.50	86.47	5.39	7.84	4.54	5.84	5.91
DLFPS	DLFPS-236-3583	63.28	19.33	85.14	5.04	7.56	4.01	6.98	5.90
DLFPS	DLFPS-236-3579	63.15	5.86	84.82	4.95	7.65	3.90	7.04	5.89
PPG	PPG-PR-434	80.08	9.38	86.61	5.43	7.62	3.60	6.81	5.87
PST	PST-2FLAT	83.87	12.70	83.05	5.11	7.90	4.37	6.08	5.86
NTR	APR2462	15.15	10.26	81.17	3.98	7.62	4.61	7.17	5.85
PPG	PPG-PR-435	72.46	13.19	86.00	5.27	7.60	3.69	6.84	5.85
DLFPS	DLFPS-236-3581	70.06	19.65	86.35	5.36	7.53	3.96	6.47	5.83
DLFPS	DLFPS-236-3542	77.37	5.92	86.48	5.39	7.79	3.65	6.35	5.80
PPG	PPG-PR-310	72.11	10.33	84.89	4.97	7.66	4.23	6.27	5.78
PPG	PPG-PR-432	61.15	10.81	80.60	3.83	7.55	4.48	7.13	5.75
PPG	PPG-PR-436	71.11	17.00	87.36	5.63	7.63	3.81	5.90	5.74
DLFPS	DLFPS-236-3541	75.45	7.47	84.67	4.93	7.59	3.50	6.89	5.73
PST	PST-2WHB	62.25	11.16	82.57	4.35	7.96	4.28	6.27	5.72
DLFPS	DLFPS-236-3024	13.19	23.21	82.99	4.47	7.44	4.17	6.65	5.69
PPG	PPG-PR-229	82.89	8.19	84.17	4.78	7.55	3.61	6.82	5.69
DLFPS	DLFPS-236-3547	86.42	12.38	83.41	4.58	7.36	3.55	7.24	5.68
NAI	NAI-17106	58.90	9.19	81.23	4.17	7.56	4.09	6.84	5.66
NTR	APR2846	10.49	16.38	84.29	4.81	8.10	4.52	5.20	5.66
DLFPS	DLFPS-236-3577	75.85	8.87	83.32	4.63	7.42	3.55	6.94	5.64
PST	PST-2MKD	33.91	5.25	82.13	4.57	8.18	4.19	5.59	5.64
PPG	PPG-PR-338	76.82	9.90	83.31	4.70	7.55	3.57	6.70	5.63
PST	PST-2SHRP	28.53	3.85	83.31	4.55	8.21	4.74	4.99	5.62
DLFPS	DLFPS-236-3546	81.16	12.88	85.17	5.04	7.75	4.05	5.62	5.62
NTR	APR2463	21.22	22.10	81.39	4.04	7.59	4.30	6.49	5.60
NTR	APR2946	55.53	14.27	79.79	3.84	7.30	4.27	6.98	5.60
PST	PST-2DRG	77.87	7.77	79.01	3.40	7.52	4.59	6.74	5.56
PPG	PPG-PR-477	72.78	15.83	84.72	5.01	7.65	4.13	5.42	5.55
NTR	APR2612	62.35	13.47	81.75	4.18	7.67	3.90	6.41	5.54
NAI	NAI-1422	56.27	6.01	80.41	3.83	7.71	4.69	5.94	5.54
SS	SEPR-107	68.90	5.94	81.48	4.24	7.81	4.46	5.63	5.53
PST	PST-2BD1	58.96	7.94	80.59	3.84	7.18	4.26	6.84	5.53
NTR	APR2637	62.92	8.31	80.13	4.01	7.34	4.02	6.71	5.53
NTR	APR2977	42.07	13.18	80.97	3.93	7.41	4.36	6.39	5.52
SS	Signet	90.93	8.32	80.12	3.78	7.37	3.77	7.16	5.52
DLFPS	DLFPS-236-3540	59.55	7.25	85.33	5.09	7.77	3.69	5.52	5.52
PST	PST-2BGL	66.96	12.52	80.32	3.84	7.48	4.11	6.64	5.52
NTR	APR2154	28.30	16.28	79.30	3.48	7.52	4.70	6.35	5.51
NAI	NAI-LD52	50.99	14.22	80.40	3.81	7.38	3.96	6.86	5.51
PPG	PPG-PR-344	94.28	15.95	80.63	4.45	7.45	3.40	6.69	5.49
NTR	APR2853	77.25	11.11	79.73	3.85	7.40	4.17	6.54	5.48
NTR	APR2973	35.99	20.70	81.68	4.12	7.47	4.88	5.48	5.48
PPG	PPG-PR-376	78.08	3.96	78.43	3.51	7.42	3.94	7.06	5.48
PST	PST-2BAD	61.44	11.35	81.17	4.07	7.66	4.22	5.95	5.47

		Objective Data							
SPONSOR	CULTIVAR	Gray Leaf Spot	Average Summer Stress	Average Percent Cover	Average Cover	Average Genetic Color	Average Density	Average Uniformity	Average Turf Quality
		2018	2019	2019	2019	2019	2019	2019	2019
PPG	PPG-PR-433	68.58	3.00	79.92	3.65	7.61	4.29	6.34	5.47
SS	SEPR-106	62.74	4.71	79.70	4.12	7.82	4.61	5.32	5.47
PPG	PPG-PR-438	77.63	23.46	85.07	5.02	7.53	4.05	5.26	5.47
NTR	APR2616	80.77	9.64	81.62	4.29	7.41	3.56	6.59	5.46
NTR	APR2685	54.03	9.11	82.10	4.22	7.45	3.90	6.25	5.45
NTR	APR2440	68.87	7.70	81.93	4.27	7.62	3.87	6.03	5.45
SS	SEPR-1	12.35	2.60	77.91	3.39	7.67	5.44	5.25	5.44
NTR	APR2237	53.21	6.77	79.96	3.76	7.75	4.09	6.16	5.44
DLFPS	DLFPS-236-3580	63.52	10.85	82.85	4.43	7.47	4.07	5.75	5.43
SS	Shield	82.17	12.42	81.84	4.16	7.49	4.04	6.00	5.42
PPG	Homerun	30.73	7.20	77.49	2.99	7.26	4.55	6.83	5.41
DLFPS	DLFPS-236-3538	78.17	7.29	81.17	3.98	7.39	3.99	6.23	5.40
PST	PST-2E6	86.99	16.16	80.98	3.93	7.31	3.51	6.82	5.39
NTR	APR2856	76.34	7.15	81.44	4.06	7.36	3.83	6.30	5.39
NTR	APR3060	21.98	15.00	77.80	3.08	7.73	5.31	5.35	5.36
PST	PST-2BET	81.35	6.49	81.14	3.97	7.44	3.93	6.13	5.36
PPG	PPG-PR-368	82.05	7.86	80.40	4.18	7.33	3.70	6.11	5.33
NTR	APR2703	64.43	13.81	79.06	3.42	7.39	3.79	6.69	5.32
DLFPS	Karma	86.47	6.99	80.45	3.79	7.40	3.75	6.33	5.32
SS	SNX	34.27	6.95	74.29	2.62	7.68	4.87	6.12	5.32
NTR	APR2719	61.41	9.53	77.94	3.19	7.30	4.06	6.61	5.29
NAI	NAI-LM2	74.36	4.31	79.56	3.55	7.56	4.11	5.93	5.29
NAI	NAI-LM3	57.18	8.26	78.33	3.25	7.48	4.50	5.85	5.27
DLFPS	Allstar 3	70.63	7.25	80.12	3.70	7.59	4.24	5.53	5.27
NAI	NAI-17397	62.10	8.14	75.83	2.68	7.31	4.72	6.27	5.25
NAI	Evolution	81.84	6.39	75.34	2.79	7.32	3.77	7.09	5.25
DLFPS	DLFPS-236-3586	63.17	7.47	78.55	3.51	7.49	4.46	5.37	5.21
NTR	APR2617	65.31	2.99	79.67	3.81	7.41	3.62	5.98	5.20
PPG	PPG-PR-472	61.40	8.19	80.02	3.67	7.56	4.32	5.25	5.20
PST	Carly	48.96	9.79	72.83	2.10	6.87	4.19	7.29	5.12
NTR	Soprano	76.14	5.48	76.59	2.90	7.43	4.34	5.75	5.11
NAI	Commander ST	34.98	3.96	68.71	1.79	7.06	4.98	6.58	5.11
PST	Silver Sun	47.82	5.99	70.63	2.03	7.32	4.35	6.64	5.08
NTR	APR2790	42.15	13.36	74.71	2.26	6.95	3.79	7.33	5.08
NTR	APR2753	76.98	4.45	74.91	3.04	7.20	3.59	6.44	5.07
NAI	NAI-17409	34.32	5.86	73.39	2.01	7.03	4.70	6.39	5.03
SS	Haven	71.91	5.33	72.35	2.21	7.04	3.75	7.07	5.02
NTR	APR2846	10.45	12.70	79.74	3.59	7.81	4.11	4.40	4.98
NTR	APRT2835	48.71	25.46	72.01	1.57	7.59	4.70	5.74	4.90
SS	SEPR-N6	22.47	6.16	71.82	1.64	7.94	4.84	4.93	4.84
SS	SEPR-2	21.85	3.05	72.08	1.89	7.44	4.99	4.94	4.81
PST	Silverdollar	41.84	5.42	64.27	1.18	6.85	4.54	6.48	4.77
NTR	APR2944	36.56	9.19	76.69	2.78	7.21	3.96	4.90	4.71
NAI	Allsport 5	45.72	3.96	68.86	1.19	6.95	4.23	6.31	4.67
PST	New Sealand	36.73	4.65	66.01	1.44	6.98	4.61	5.63	4.66
SS	Nexus XR	16.11	2.13	73.46	2.35	7.57	4.11	4.61	4.66
NAI	Prosport 4	28.38	2.36	65.17	1.19	6.91	4.58	5.91	4.65
DLFPS	DLFPS-236-3585	64.56	3.45	65.27	1.39	7.12	4.44	5.25	4.55
SS	Nexus XD	10.77	3.18	71.17	2.31	7.58	4.46	3.76	4.53
NAI	Notable	46.01	5.91	67.17	1.07	6.77	4.02	6.05	4.48
SS	SEPR-3	26.20	6.03	65.24	1.13	7.24	4.60	4.82	4.45
PST	Brightstar SLT	7.47	2.78	69.92	1.65	7.39	4.09	2.91	4.01
	CV	11.12	50.72	4.41	19.28	2.11	9.88	16.31	6.87
	LSD (0.05)	8.85	6.86	4.76	1.01	0.21	0.56	1.38	0.51

2018 Gray Leaf Spot = % Resistance (1 rating: Oct. 18, 2018)  
2019 Average Summer Stress = % Cover (2 ratings)  
2019 Average Percent Cover = % 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 - 18CTLP4  
 Perennial Ryegrass Turf Trial  
 Location: Rolesville, NC  
 Cooperator: Dr. Melodee Fraser

2019 Data

SPONSOR	CULTIVAR	Subjective Data			
		Establishment 2018	Disease 2019	Average Brown Patch 2019	Average Turf Quality 2019
PPG	PPG-PR-477	5.33	5.33	7.11	5.93
DLFPS	DLFPS-236-3581	6.33	5.00	7.11	5.83
PPG	PPG-PR-437	5.33	4.00	7.33	5.83
PPG	PPG-PR-338	6.33	4.00	6.00	5.80
PPG	PPG-PR-436	5.67	4.33	6.78	5.73
DLFPS	DLFPS-236-3547	6.33	4.33	6.56	5.70
PPG	PPG-PR-471	5.67	4.00	6.56	5.70
PPG	PPG-PR-438	6.00	5.33	6.78	5.67
DLFPS	DLFPS-236-3579	5.67	4.33	5.67	5.53
DLFPS	DLFPS-236-3582	5.67	6.33	7.45	5.53
DLFPS	DLFPS-236-3543	5.33	4.00	6.22	5.50
PPG	PPG-PR-310	6.00	3.67	5.56	5.50
PPG	PPG-PR-434	5.00	2.33	5.33	5.50
PST	PST-2FLAT	5.00	5.00	5.78	5.50
NTR	APR2609	6.00	3.00	4.78	5.43
DLFPS	DLFPS-236-3576	4.67	4.00	6.89	5.43
DLFPS	DLFPS-236-3538	5.67	4.00	5.78	5.43
PPG	PPG-PR-435	5.67	5.00	7.11	5.43
PPG	PPG-PR-478	6.00	5.33	6.22	5.43
PPG	PPG-PR-344	4.67	4.67	6.00	5.40
DLFPS	Allstar 3	5.67	2.33	4.22	5.37
PST	PST-2BAD	6.00	3.00	5.67	5.37
SS	Signet	6.33	3.00	5.22	5.33
PST	SYN 2HAF	5.00	4.33	6.89	5.33
DLFPS	DLFPS-236-3586	5.33	3.33	6.67	5.30
PST	PST-214	5.00	5.00	5.89	5.30
DLFPS	DLFPS-236-3577	5.67	4.00	6.00	5.27
DLFPS	DLFPS-236-3584	5.33	4.00	6.55	5.27
DLFPS	DLFPS-236-3575	6.00	4.00	6.44	5.23
DLFPS	DLFPS-236-3540	5.67	3.33	4.55	5.23
NTR	APR2637	6.00	3.33	5.56	5.20
DLFPS	DLFPS-236-3542	6.00	3.00	5.56	5.20
PPG	PPG-PR-376	6.00	4.33	5.89	5.13
PST	PST-2MAY	5.33	2.67	4.78	5.10
DLFPS	DLFPS-236-3578	5.33	3.67	5.56	5.03
PST	PST-2BGL	5.67	3.00	5.22	5.00
PST	Silver Sport	5.33	3.00	4.67	5.00
NTR	APR2685	5.00	5.33	6.33	4.97
NTR	APR2846	6.33	2.67	5.78	4.97
NTR	APR2237	6.33	2.00	4.44	4.97
DLFPS	DLFPS-236-3580	5.33	5.00	6.78	4.97
DLFPS	DLFPS-236-3546	6.33	3.00	5.34	4.97
NAI	Evolution	5.00	3.67	6.56	4.97
PPG	Homerun	6.00	3.33	6.56	4.97
PST	PST-2E6	5.33	3.67	5.56	4.97
NTR	APR2440	5.00	4.33	6.11	4.93
NTR	APR2946	6.00	3.67	5.56	4.93
SS	Shield	5.33	3.00	5.00	4.93
DLFPS	DLFPS-236-3541	5.00	3.33	5.67	4.90
PPG	Grandslam GLD	5.67	2.00	4.11	4.90
NTR	APRT2835	5.00	3.67	7.33	4.87
NAI	NAI-1422	5.00	2.33	4.11	4.87
PPG	PPG-PR-368	5.67	2.33	4.67	4.87
PPG	PPG-PR-432	5.33	4.67	6.00	4.87
NTR	APR2616	5.00	2.00	4.11	4.83
NTR	APR2856	5.33	3.00	5.22	4.80
NAI	NAI-LM2	5.33	2.33	5.00	4.80

SPONSOR	CULTIVAR	Subjective Data			
		Establishment 2018	Disease 2019	Average Brown Patch 2019	Average Turf Quality 2019
SS	SEPR-3	5.33	1.33	6.11	4.80
PPG	PPG-PR-342	5.67	3.00	4.89	4.80
DLFPS	DLFPS-236-3583	5.67	2.00	4.33	4.77
PPG	PPG-PR-229	5.67	2.33	4.22	4.77
PST	PST-2DRG	5.67	1.33	3.44	4.73
PST	PST-2WHB	5.00	3.00	4.56	4.73
NTR	APR2462	5.00	3.67	6.67	4.70
NTR	APR3060	5.00	1.33	4.78	4.70
NTR	APR2753	5.33	2.00	4.78	4.70
NTR	APR2612	5.67	3.33	4.89	4.67
PST	PST-2GDS	4.00	3.67	6.78	4.67
NTR	APR2703	5.33	3.00	4.89	4.63
NTR	Soprano	6.00	2.33	3.34	4.63
NAI	NAI-17106	4.67	3.33	5.44	4.63
PPG	PPG-PR-433	6.00	3.00	4.44	4.63
PPG	PPG-PR-472	5.67	2.67	5.00	4.63
PST	PST-2MKD	5.00	1.33	3.78	4.63
PST	PST-2BET	4.33	1.67	3.11	4.63
NTR	APR2719	6.00	3.00	4.56	4.60
SS	SNX	6.33	2.00	3.89	4.60
NAI	NAI-LM3	5.00	1.00	2.11	4.57
NTR	APR2973	5.67	2.00	5.00	4.53
DLFPS	Karma	3.67	4.67	6.78	4.53
SS	SEPR-107	6.00	1.67	3.66	4.53
PST	Silver Sun	4.67	2.00	4.33	4.53
NTR	APR2463	4.67	2.67	5.33	4.50
NAI	NAI-LD52	4.33	2.00	3.78	4.50
NTR	APR2848	5.67	2.67	3.89	4.43
NTR	APR2944	5.00	3.33	4.67	4.43
SS	Nexus XR	6.33	1.00	3.22	4.43
NTR	APR2977	5.00	2.00	4.78	4.40
SS	SEPR-N6	6.67	1.33	3.22	4.40
SS	SEPR-106	6.33	1.33	2.33	4.37
PST	PST-25HRP	5.33	1.67	4.55	4.33
NTR	APR2617	6.33	1.00	2.22	4.30
NTR	APR2846	5.33	1.67	3.78	4.27
NTR	APR2853	5.67	2.67	4.44	4.27
DLFPS	DLFPS-236-3585	5.67	2.00	4.11	4.27
PST	PST-2BD1	4.67	1.33	2.67	4.27
NTR	APR2154	6.00	3.67	5.55	4.23
SS	SEPR-1	6.00	1.00	2.34	4.20
NTR	APR2839	5.67	2.67	3.55	4.17
SS	Nexus XD	5.67	1.00	3.00	4.13
NTR	APR2790	4.00	3.00	5.22	4.10
NAI	NAI-17397	5.33	1.67	3.11	4.03
SS	Haven	5.67	2.67	4.22	4.03
PST	Silverdollar	5.33	1.33	4.11	4.03
PST	Carly	4.67	1.67	4.33	3.73
PST	Brightstar SLT	5.00	1.00	1.78	3.70
SS	SEPR-2	4.67	1.00	1.33	3.67
DLFPS	DLFPS-236-3024	3.67	2.00	5.89	3.57
PST	New Sealand	4.67	1.00	2.33	3.57
NAI	Prosport 4	5.00	1.00	3.45	3.43
NAI	Allsport 5	4.00	1.33	2.33	3.27
NAI	Notable	4.33	2.00	3.00	3.23
NAI	NAI-17409	3.67	1.67	2.89	3.17
NAI	Commander ST	3.00	1.00	1.22	2.80
	CV	13.54	44.19	26.85	10.20
	LSD (0.05)	0.98	1.73	1.78	0.66

2018 Establishment = 1-9; 9=Best (1 rating: Nov. 1, 2018)

2019 Disease (Brown Patch & Grey Leaf Spot) = 1-9; 9=Most Resistant (1 rating: Sept. 11, 2019)

2019 Brown Patch = 1-9; 9=Most Resistant (3 ratings)

2019 Average Turf Quality = 1-9; 9=Best (10 ratings)

CTBT: 2017 Trial - 17CTFF12

Fine Fescue Turf Trial

Location: Albany, OR

Cooperator: Kenneth Hignight

2019 Data

SPONSOR	SPECIES	CULTIVAR	Objective Data					
			Average Percent Cover 2018 - 2019	Average Cover 2018 - 2019	Average Genetic Color 2018 - 2019	Average Density 2018 - 2019	Average Uniformity 2018 - 2019	Average Turf Quality 2018 - 2019
DLF	Chewings	DLF-FRC 50	92.50	7.30	4.68	4.50	7.29	5.94
CHECK	Chewings	Culumbra II	91.73	6.80	4.72	4.92	6.86	5.82
CHECK	Chewings	Radar	91.18	6.65	4.37	4.60	7.52	5.78
DLF	Chewings	DLF-FRC 51	89.53	6.40	4.42	4.87	7.36	5.77
NexGen	Chewings	ACF328	91.25	6.67	4.62	4.78	6.98	5.76
DLF	Chewings	DLF-FRC 54	91.07	6.65	4.36	4.78	7.24	5.76
PPG	Chewings	PPG-FRC 120	90.57	6.57	4.46	4.81	7.18	5.76
NexGen	Chewings	ACF303	90.64	6.50	4.63	4.80	6.98	5.73
PPG	Chewings	PPG-FRC 113	90.48	6.69	4.41	4.27	7.56	5.73
NexGen	Chewings	ACF314	90.96	6.58	4.38	4.81	7.10	5.72
Rutgers	Chewings	Z16-RCF	92.72	7.07	4.38	4.40	6.79	5.66
CHECK	Chewings	Survivor	90.42	6.45	4.50	4.78	6.75	5.62
PPG	Chewings	PPG-FRC 118	90.89	6.57	4.36	4.52	7.00	5.61
CHECK	Chewings	Sonar	90.89	6.57	4.52	4.72	6.58	5.60
NexGen	Chewings	ACF327	81.16	4.74	4.48	5.39	6.48	5.27
NexGen	Chewings	ACF309	83.79	4.80	4.41	5.09	6.73	5.26
PST	Chewings	PST-4SWT	86.09	5.62	4.26	3.95	6.90	5.18
DLF	Chewings	DLF-FRC 52	83.44	4.64	4.53	4.85	6.67	5.17
CHECK	Chewings	Koket	82.35	5.06	3.85	4.53	7.14	5.14
NexGen	Chewings	ACF319	80.51	4.07	4.68	5.31	5.98	5.01
PPG	Hard Fescue	PPG-FL 115	88.25	6.57	4.57	5.34	6.82	5.82
DLF	Hard Fescue	DLF-FL 63	88.02	6.45	4.58	5.54	6.64	5.81
Rutgers	Hard Fescue	Z16-RHF	88.13	6.32	4.53	5.43	6.93	5.80
DLF	Hard Fescue	DLF-FL 53 M3	86.37	5.94	4.73	5.87	6.25	5.70
PPG	Hard Fescue	PPG-FL 113	84.74	6.33	4.55	5.50	6.15	5.63
DLF	Hard Fescue	DLF-FL 54 M3	86.13	5.65	4.48	5.67	5.91	5.43
DLF	Hard Fescue	DLF-FL 64	84.45	5.23	4.56	5.66	6.05	5.37
CHECK	Hard Fescue	SR 3150	79.99	4.32	4.15	5.18	7.37	5.26
CHECK	Hard Fescue	Beacon	83.39	5.02	4.21	5.20	6.37	5.20
NexGen	Hard Fescue	AHF205	80.42	4.43	4.41	5.07	6.83	5.18
CHECK	Hard Fescue	Bighorn GT	74.04	3.11	4.89	5.79	6.76	5.14
NexGen	Hard Fescue	AHF225	80.19	4.63	4.35	5.77	5.73	5.12
NexGen	Hard Fescue	AHF218	79.67	4.62	4.33	5.59	5.76	5.07
NexGen	Hard Fescue	AHF211	75.56	3.61	4.25	5.98	6.33	5.04
NexGen	Hard Fescue	AHF222	77.24	3.79	4.31	5.87	6.07	5.01
CHECK	Hard Fescue	Eureka II	68.84	2.71	4.57	5.69	6.14	4.78
PST	Sheep Fescue	PST-4GUD	93.39	7.29	5.62	4.53	5.73	5.79
PST	Sheep Fescue	PST-4BND	83.27	5.09	4.53	5.36	5.76	5.19
PPG	Sheep Fescue	PPG-FO 102	76.35	3.81	4.27	4.50	5.27	4.46
CHECK	Slender Red	Seabreeze GT	89.65	6.24	4.09	4.26	7.58	5.54
NexGen	Slender Red	ASR175	84.35	4.94	4.37	5.56	6.52	5.35
CHECK	Slender Red	SeaMist	85.66	5.84	3.99	4.04	6.92	5.20
NexGen	Slender Red	ASR197	81.33	4.65	4.19	4.65	7.15	5.16
PPG	Strong Red	PPG-FRR 115	89.96	6.32	4.82	7.10	7.34	6.40
NexGen	Strong Red	ASC362	85.69	5.18	4.70	7.77	7.13	6.20
DLF	Strong Red	DLF-FRR 79	88.57	5.95	4.78	6.84	7.16	6.19
PST	Strong Red	PST-4BEN	88.20	5.85	4.80	7.12	6.77	6.14
CHECK	Strong Red	Shademaster III	89.42	6.18	4.62	6.26	7.46	6.13
CHECK	Strong Red	Lustrous	87.32	5.62	4.69	6.76	7.12	6.04
PPG	Strong Red	PPG-FRR 111	87.58	5.69	4.86	7.11	6.49	6.04
NexGen	Strong Red	ASC347	86.51	5.40	4.87	6.69	7.17	6.03
PST	Strong Red	PST-4ED4	86.77	5.47	4.57	6.83	7.14	6.00
NexGen	Strong Red	ASC295	91.91	6.84	4.70	5.22	7.17	5.98

SPONSOR	SPECIES	CULTIVAR	Objective Data					
			Average Percent Cover 2018 - 2019	Average Cover 2018 - 2019	Average Genetic Color 2018 - 2019	Average Density 2018 - 2019	Average Uniformity 2018 - 2019	Average Turf Quality 2018 - 2019
NexGen	Strong Red	ASC361	85.39	5.10	4.77	7.28	6.75	5.97
PPG	Strong Red	PPG-FRR 114	88.03	5.80	4.48	6.26	7.32	5.97
DLF	Strong Red	DLF-FRR 77	87.92	5.78	4.40	6.22	7.48	5.97
NexGen	Strong Red	ASC350	86.89	5.50	4.60	6.81	6.94	5.97
PPG	Strong Red	PPG-FRR 116	86.25	5.33	4.70	7.11	6.69	5.96
PST	Strong Red	PST-4DR4	86.69	5.45	4.60	6.60	7.07	5.93
Rutgers	Strong Red	Z16-DRBM2X	85.13	5.11	4.55	6.91	7.05	5.90
PST	Strong Red	PST-4CR7	87.28	5.61	4.50	6.74	6.73	5.90
NexGen	Strong Red	ASC354	82.61	4.51	4.77	7.20	6.97	5.86
PST	Strong Red	PST-4SP14	85.96	5.26	4.58	6.43	7.13	5.85
NexGen	Strong Red	ASC359	82.67	4.38	4.64	7.69	6.63	5.83
DLF	Strong Red	DLF-FRR 72 M2	84.69	4.92	4.35	7.15	6.87	5.82
Rutgers	Strong Red	Z16-DRBM	85.62	5.16	4.52	6.69	6.75	5.78
NexGen	Strong Red	ASC356	84.97	4.99	4.73	6.55	6.82	5.78
NexGen	Strong Red	ASC351	82.68	4.38	4.78	6.91	6.96	5.76
PST	Strong Red	Xeric	83.82	4.69	4.63	6.75	6.73	5.70
NexGen	Strong Red	ASC348	80.38	3.89	4.64	7.10	7.14	5.69
PST	Strong Red	PST-4RUE	80.17	3.97	4.77	7.07	6.95	5.69
CHECK	Strong Red	Boreal	80.87	4.30	4.22	6.33	7.18	5.51
DLF	Strong Red	DLF-FRR 76	79.58	3.82	4.21	7.06	6.47	5.39
DLF	Strong Red	DLF-FRR 75	79.83	3.72	4.34	6.73	6.46	5.31
PST	Strong Red	PST-4GRP	77.84	3.62	5.06	6.66	5.77	5.28
		CV	2.85	9.23	1.85	4.04	8.86	3.54
		LSD (0.05)	3.29	0.67	0.11	0.32	0.81	0.27

- 2018-2019 Average Percent Cover = % Cover (9 ratings)
- 2018-2019 Average Cover = 1-9; 9=Most Cover (9 ratings)
- 2018-2019 Average Genetic Color = 1-9; 9=Darkest (9 ratings)
- 2018-2019 Average Density = 1-9; 9=Most Dense (9 ratings)
- 2018-2019 Average Uniformity = 1-9; 9=Most Uniform (9 ratings)
- 2018-2019 Average Turf Quality = 1-9; 9=Best (9 ratings)

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

2019 Data

SPONSOR	CULTIVAR	Objective Data						
		Establishment 2018	Average Percent Cover 2019	Average Cover 2019	Average Genetic Color 2019	Average Density 2019	Average Uniformity 2019	Average Turf Quality 2019
PST	PST-2SHRP	94.18	98.17	8.51	8.33	6.95	7.35	7.79
SS	SEPR-107	96.51	98.56	8.62	8.34	6.82	7.34	7.78
PST	PST-214	96.50	98.37	8.57	8.29	7.02	7.18	7.77
PST	PST-2MKD	95.45	97.87	8.43	8.33	7.18	7.00	7.74
PST	SYN 2HAF	96.67	98.43	8.58	8.11	7.07	7.16	7.73
SS	SNX	94.09	96.80	8.14	8.28	7.26	7.03	7.68
PPG	PPG-PR-310	96.75	98.39	8.57	8.00	6.75	7.39	7.68
SS	Nexus XD	91.76	97.10	8.23	8.30	6.73	7.44	7.67
PST	PST-2E6	97.27	98.28	8.54	7.84	6.84	7.46	7.67
NTR	APR2237	96.29	98.10	8.50	8.28	7.06	6.83	7.66
NTR	Soprano	97.00	97.81	8.42	8.04	7.16	7.02	7.66
DLFPS	DLFPS-236-3540	97.04	97.95	8.45	8.10	6.82	7.24	7.66
DLFPS	DLFPS-236-3541	96.40	98.47	8.59	8.01	6.87	7.13	7.65
PPG	PPG-PR-436	96.48	98.44	8.58	8.00	6.74	7.28	7.65
SS	Nexus XR	92.92	96.77	8.14	8.09	6.94	7.43	7.65
DLFPS	DLFPS-236-3584	96.52	98.12	8.50	7.96	6.64	7.45	7.64
PST	PST-2GDS	96.94	98.46	8.59	7.94	6.74	7.27	7.63
PPG	PPG-PR-338	97.15	98.83	8.69	8.19	6.42	7.21	7.63
NAI	NAI-1422	96.59	97.35	8.30	8.16	6.99	7.08	7.63
PPG	PPG-PR-471	96.87	97.42	8.31	8.04	7.01	7.14	7.63
DLFPS	DLFPS-236-3582	97.32	98.44	8.58	7.98	6.55	7.37	7.62
NAI	NAI-17106	96.12	97.84	8.42	8.05	6.89	7.13	7.62
PPG	PPG-PR-478	96.71	98.04	8.47	7.93	6.68	7.41	7.62
NTR	APR2612	96.01	97.13	8.23	7.96	7.15	7.15	7.62
DLFPS	DLFPS-236-3579	97.26	98.17	8.51	8.06	6.88	7.01	7.62
PPG	PPG-PR-437	96.42	98.33	8.55	8.02	6.87	7.01	7.61
DLFPS	DLFPS-236-3581	97.42	98.27	8.54	7.89	6.73	7.26	7.60
DLFPS	DLFPS-236-3578	97.57	98.28	8.54	7.94	6.81	7.11	7.60
DLFPS	DLFPS-236-3542	96.31	98.69	8.65	8.20	6.72	6.83	7.60
DLFPS	DLFPS-236-3543	96.49	98.13	8.50	8.06	7.05	6.78	7.60
PPG	Grandslam GLD	96.83	97.67	8.38	7.85	6.89	7.27	7.60
PPG	PPG-PR-229	97.66	98.63	8.63	8.05	6.57	7.10	7.59
NTR	APR2848	95.00	97.33	8.29	8.06	7.04	6.94	7.58
SS	SEPR-106	94.96	97.97	8.46	8.26	6.95	6.67	7.58
DLFPS	DLFPS-236-3576	97.19	98.21	8.52	8.10	6.84	6.82	7.57
PPG	PPG-PR-477	97.45	98.19	8.52	8.03	6.87	6.85	7.57
DLFPS	DLFPS-236-3575	96.25	98.52	8.61	8.05	6.97	6.63	7.57
DLFPS	DLFPS-236-3577	97.08	98.23	8.53	7.93	6.73	7.09	7.57
NTR	APR2846	93.10	97.24	8.26	8.01	6.64	7.33	7.56
PPG	PPG-PR-342	96.63	97.51	8.34	7.98	6.78	7.14	7.56
PST	Silver Sport	96.60	98.57	8.62	8.27	6.87	6.48	7.56
NAI	Evolution	96.91	97.95	8.45	7.92	6.60	7.23	7.55
SS	Shield	96.62	98.31	8.55	7.92	6.81	6.93	7.55
PPG	PPG-PR-472	97.38	97.41	8.31	8.01	7.06	6.82	7.55
DLFPS	Allstar 3	96.95	98.55	8.61	8.10	6.89	6.59	7.55
PST	PST-2FLAT	97.31	98.45	8.59	8.16	6.85	6.53	7.53
DLFPS	Karma	97.12	97.63	8.37	7.96	6.77	7.02	7.53
DLFPS	DLFPS-236-3546	96.93	98.57	8.62	8.07	6.67	6.73	7.53
NAI	NAI-LD52	95.99	97.62	8.36	7.68	6.64	7.41	7.53
NTR	APR2856	96.67	97.56	8.35	7.83	6.90	7.00	7.52
PST	PST-2BGL	97.38	98.19	8.52	8.01	6.78	6.77	7.52
PST	PST-2WHB	96.63	97.62	8.36	8.22	7.08	6.41	7.52
DLFPS	DLFPS-236-3586	96.66	97.83	8.42	7.95	6.55	7.14	7.51
PPG	PPG-PR-434	97.05	98.56	8.61	7.88	6.22	7.33	7.51
PPG	PPG-PR-438	97.04	98.18	8.51	7.93	6.68	6.88	7.50
PST	PST-2BAD	97.09	98.34	8.56	8.08	6.49	6.88	7.50
NTR	APR3060	95.09	96.79	8.14	7.91	6.77	7.15	7.50
NTR	APR2703	97.27	97.43	8.31	7.88	6.79	7.01	7.50
PPG	PPG-PR-435	96.14	98.14	8.51	7.91	6.45	7.13	7.50

SPONSOR	CULTIVAR	Objective Data						
		Establishment 2018	Average Percent Cover 2019	Average Cover 2019	Average Genetic Color 2019	Average Density 2019	Average Uniformity 2019	Average Turf Quality 2019
SS	SEPR-2	95.87	96.96	8.19	7.93	6.66	7.20	7.49
PPG	PPG-PR-368	96.81	98.46	8.59	7.85	6.40	7.13	7.49
PST	PST-2DRG	96.34	98.18	8.51	7.96	6.92	6.57	7.49
NTR	APR2617	97.07	97.38	8.30	7.93	7.11	6.61	7.49
NAI	NAI-LM2	97.21	98.25	8.54	7.99	6.80	6.60	7.48
NTR	APR2846	92.81	97.30	8.28	7.98	6.86	6.79	7.48
DLFPS	DLFPS-236-3583	97.15	97.55	8.35	7.80	6.92	6.85	7.48
DLFPS	DLFPS-236-3547	96.65	98.18	8.51	7.89	6.52	7.00	7.48
PST	PST-2BET	97.59	98.39	8.57	7.83	6.74	6.73	7.47
SS	SEPR-N6	93.25	96.47	8.06	8.41	7.14	6.27	7.47
NAI	NAI-LM3	95.96	97.11	8.23	7.83	6.70	7.10	7.47
NTR	APR2853	96.58	97.20	8.25	7.69	6.80	7.10	7.46
NTR	APR2463	94.38	95.89	7.90	7.78	6.66	7.46	7.46
DLFPS	DLFPS-236-3580	96.90	97.67	8.38	7.80	6.79	6.84	7.45
NTR	APR2973	94.63	97.01	8.20	7.73	6.73	7.09	7.44
NTR	APR2609	97.08	97.90	8.44	8.12	7.06	6.02	7.41
NTR	APR2839	90.72	96.27	8.00	7.99	7.14	6.48	7.40
PPG	PPG-PR-433	97.00	97.44	8.32	8.01	6.69	6.58	7.40
NTR	APR2616	97.71	97.87	8.43	7.95	6.78	6.43	7.40
PPG	PPG-PR-376	96.94	97.42	8.31	7.92	6.70	6.65	7.40
SS	Haven	95.13	96.24	8.00	7.64	6.94	6.97	7.39
NTR	APR2753	96.75	96.89	8.17	7.82	6.92	6.63	7.38
NTR	APR2440	97.42	96.97	8.19	8.03	7.03	6.19	7.36
DLFPS	DLFPS-236-3538	96.98	98.06	8.49	7.94	6.79	6.16	7.34
NTR	APR2637	96.66	97.23	8.26	7.72	6.89	6.46	7.33
SS	SEPR-1	95.86	97.90	8.44	7.97	6.60	6.28	7.33
NAI	NAI-17397	96.12	97.02	8.21	7.79	6.63	6.66	7.32
PPG	PPG-PR-432	96.21	95.97	7.92	7.85	7.07	6.44	7.32
PST	PST-2MAY	96.91	98.59	8.63	8.05	6.58	6.04	7.32
PST	Brightstar SLT	90.92	96.11	7.96	7.71	6.38	7.22	7.32
PST	New Sealand	95.03	95.03	7.68	7.61	6.91	7.06	7.31
NTR	APR2685	96.11	96.44	8.05	7.71	6.37	7.06	7.30
NTR	APR2154	94.71	96.60	8.09	7.75	6.42	6.91	7.30
SS	Signet	96.77	97.84	8.42	7.85	6.29	6.62	7.30
PST	Silver Sun	97.01	96.36	8.03	7.89	6.41	6.81	7.28
NTR	APR2462	90.46	95.55	7.82	7.69	6.20	7.40	7.28
PPG	Homerun	95.18	97.67	8.38	7.80	6.77	6.15	7.28
NTR	APR2790	95.30	94.58	7.56	7.39	6.92	7.23	7.27
PST	PST-2BD1	95.55	97.30	8.28	7.51	5.97	7.14	7.22
NTR	APR2977	95.90	95.14	7.70	7.63	6.66	6.85	7.22
PPG	PPG-PR-344	97.08	97.44	8.32	7.83	6.74	5.96	7.21
NTR	APR2946	96.30	96.66	8.11	7.68	6.46	6.57	7.21
SS	SEPR-3	95.17	94.89	7.64	7.67	6.77	6.59	7.17
NTR	APR2719	97.02	96.61	8.10	7.74	6.57	6.25	7.16
NTR	APRT2835	95.91	94.63	7.57	8.05	6.44	6.49	7.14
NTR	APR2944	95.83	95.47	7.79	7.48	6.27	6.87	7.10
NAI	NAI-17409	95.68	94.88	7.64	7.52	7.09	6.09	7.08
NAI	Prosport 4	94.28	93.90	7.37	7.33	6.76	6.83	7.07
DLFPS	DLFPS-236-3585	95.80	95.36	7.76	7.93	6.67	5.91	7.07
PST	Carly	95.36	94.64	7.57	7.23	6.31	7.08	7.05
NAI	Notable	95.48	94.37	7.50	7.38	6.54	6.76	7.04
PST	Silverdollar	94.34	94.68	7.58	7.39	6.26	6.90	7.03
NAI	Commander ST	94.88	95.22	7.72	7.42	6.49	6.31	6.99
NAI	Allsport 5	95.14	94.13	7.44	7.46	6.48	6.49	6.96
DLFPS	DLFPS-236-3024	93.05	96.74	8.14	7.41	5.70	6.55	6.95
	CV	0.97	0.43	1.35	0.97	3.42	8.64	2.15
	LSD (0.05)	1.25	0.57	0.15	0.10	0.31	0.80	0.22

2018 Establishment = % Cover (1 rating: Oct. 25, 2018)  
2019 Average Percent Cover = % Cover (4 ratings)  
2019 Average Cover = 1-9; 9=Most Cover (4 ratings)  
2019 Average Genetic Color = 1-9; 9=Darkest (4 ratings)

2019 Average Density = 1-9; 9=Most Dense (4 ratings)  
2019 Average Uniformity = 1-9; 9=Most Uniform (4 ratings)  
2019 Average Turf Quality = 1-9; 9=Best (4 ratings)



CTBT: 2017 Trial - 17CTFF11

Fine Fescue Turf Trial

Location: Canby, OR

Cooperator: Crystal Fricker

2019 Data

SPONSOR	SPECIES	CULTIVAR	Subjective Data					
			Summer Patch 2018	Percent Cover Summer Patch 2018	Average Turf Quality 2018	Average Turf Quality 2019	Average Winter Turf Quality 2018 - 2019	Average Turf Quality 2018 - 2019
Rutgers	Chewings	Z16-RCF	9.00	97.60	6.86	6.97	6.50	6.92
CHECK	Chewings	Radar	9.00	95.22	6.81	6.97	6.33	6.89
NexGen	Chewings	ACF314	9.00	96.35	6.75	6.77	6.33	6.76
DLF	Chewings	DLF-FRC 54	9.00	96.72	6.75	6.70	5.67	6.72
PPG	Chewings	PPG-FRC 120	8.67	93.27	6.31	6.83	6.33	6.57
PPG	Chewings	PPG-FRC 118	8.33	92.97	6.20	6.83	6.33	6.52
PPG	Chewings	PPG-FRC 113	8.67	92.37	6.28	6.63	6.33	6.46
DLF	Chewings	DLF-FRC 50	8.33	86.17	6.47	6.33	6.00	6.40
DLF	Chewings	DLF-FRC 51	8.33	81.36	6.20	6.33	6.17	6.26
NexGen	Chewings	ACF303	8.67	89.28	6.69	5.80	5.67	6.25
CHECK	Chewings	Sonar	8.00	89.56	6.19	6.23	5.50	6.21
CHECK	Chewings	Survivor	8.00	83.51	6.03	6.27	6.00	6.14
NexGen	Chewings	ACF328	7.67	78.11	6.08	5.93	5.67	6.01
CHECK	Chewings	Culumbra II	8.67	94.29	6.22	5.53	5.33	5.87
PST	Chewings	PST-4SWT	8.33	92.74	5.97	5.73	5.00	5.85
DLF	Chewings	DLF-FRC 52	8.33	92.19	6.06	5.33	5.17	5.70
NexGen	Chewings	ACF327	8.00	72.28	5.86	5.33	5.67	5.60
NexGen	Chewings	ACF319	7.33	76.88	5.75	5.10	5.33	5.43
NexGen	Chewings	ACF309	8.33	86.66	5.75	4.60	4.67	5.17
CHECK	Chewings	Koket	5.00	62.90	4.86	2.87	3.33	3.86
DLF	Hard Fescue	DLF-FL 53 M3	7.00	75.37	5.89	7.20	7.00	6.54
PPG	Hard Fescue	PPG-FL 115	8.00	67.01	6.20	6.37	6.17	6.28
CHECK	Hard Fescue	Bighorn GT	8.67	94.21	6.25	6.20	5.50	6.22
Rutgers	Hard Fescue	Z16-RHF	8.33	87.78	6.45	5.97	6.67	6.20
DLF	Hard Fescue	DLF-FL 63	8.00	76.26	5.97	6.33	6.50	6.15
DLF	Hard Fescue	DLF-FL 54 M3	8.67	92.73	6.11	6.07	5.83	6.09
CHECK	Hard Fescue	Beacon	8.00	87.50	5.89	6.27	5.83	6.08
NexGen	Hard Fescue	AHF225	7.67	66.74	5.53	5.93	5.83	5.73
DLF	Hard Fescue	DLF-FL 64	8.00	74.75	5.78	5.50	5.00	5.64
CHECK	Hard Fescue	SR 3150	8.67	90.54	6.00	5.27	5.17	5.63
NexGen	Hard Fescue	AHF205	5.67	51.44	5.11	5.57	5.00	5.34
PPG	Hard Fescue	PPG-FL 113	5.00	42.60	5.20	5.47	5.67	5.33
NexGen	Hard Fescue	AHF211	6.33	60.06	5.19	4.80	4.83	5.00
NexGen	Hard Fescue	AHF222	6.33	55.10	4.95	4.90	5.50	4.92
NexGen	Hard Fescue	AHF218	6.33	41.34	4.92	4.83	4.83	4.88
CHECK	Hard Fescue	Eureka II	6.67	66.20	4.75	4.83	5.50	4.79
PST	Sheep Fescue	PST-4GUD	4.33	47.62	5.75	5.10	4.83	5.42
PST	Sheep Fescue	PST-4BND	5.67	55.04	4.86	5.70	5.83	5.28
PPG	Sheep Fescue	PPG-FO 102	6.00	69.64	5.08	5.47	5.83	5.28
CHECK	Slender Red	Seabreeze GT	8.00	93.27	6.14	6.87	7.17	6.50
CHECK	Slender Red	SeaMist	7.67	83.61	6.30	5.90	5.67	6.10
NexGen	Slender Red	ASR197	7.67	72.56	5.86	5.50	5.33	5.68
NexGen	Slender Red	ASR175	7.33	72.86	5.67	5.50	5.33	5.58
PPG	Strong Red	PPG-FRR 115	8.67	91.90	6.58	6.53	6.17	6.56
PST	Strong Red	PST-4CR7	8.67	94.01	6.44	6.50	6.17	6.47
PST	Strong Red	PST-4DR4	8.67	98.14	6.50	6.17	6.00	6.33
PST	Strong Red	PST-4BEN	8.67	91.36	6.31	6.17	5.67	6.23
DLF	Strong Red	DLF-FRR 77	8.67	88.37	6.72	5.70	5.17	6.21
NexGen	Strong Red	ASC350	8.00	89.36	5.89	6.37	5.83	6.13
NexGen	Strong Red	ASC295	8.00	92.71	5.86	6.33	6.50	6.09
PPG	Strong Red	PPG-FRR 111	8.67	84.24	5.89	6.20	5.83	6.05
PST	Strong Red	Xeric	7.33	75.91	6.30	5.73	5.17	6.02
PST	Strong Red	PST-4SP14	8.33	96.48	5.95	6.00	5.67	5.97
CHECK	Strong Red	Shademaster III	8.00	85.82	6.08	5.83	5.67	5.96
PPG	Strong Red	PPG-FRR 116	7.67	81.31	6.25	5.63	6.17	5.94
NexGen	Strong Red	ASC359	7.67	71.98	6.00	5.83	5.33	5.92
NexGen	Strong Red	ASC362	7.67	73.46	6.11	5.67	5.67	5.89

SPONSOR	SPECIES	CULTIVAR	Subjective Data					
			Summer Patch 2018	Percent Cover Summer Patch 2018	Average Turf Quality 2018	Average Turf Quality 2019	Average Winter Turf Quality 2018 - 2019	Average Turf Quality 2018 - 2019
NexGen	Strong Red	ASC348	8.00	89.16	6.28	5.33	5.67	5.80
PST	Strong Red	PST-4ED4	8.00	87.92	6.00	5.57	5.33	5.78
CHECK	Strong Red	Lustrous	7.67	72.42	6.20	5.20	5.17	5.70
DLF	Strong Red	DLF-FRR 72 M2	5.67	65.40	5.55	5.80	5.50	5.68
PST	Strong Red	PST-4RUE	8.33	83.60	5.75	5.53	5.67	5.64
NexGen	Strong Red	ASC361	6.33	70.84	5.30	5.83	5.17	5.57
NexGen	Strong Red	ASC347	7.33	78.84	5.75	5.30	4.67	5.53
PPG	Strong Red	PPG-FRR 114	6.67	71.06	5.42	5.60	5.00	5.51
Rutgers	Strong Red	Z16-DRBM	7.67	81.73	5.94	4.97	5.17	5.45
NexGen	Strong Red	ASC356	8.67	88.18	5.53	5.23	5.17	5.38
DLF	Strong Red	DLF-FRR 75	5.00	50.79	5.25	4.40	4.33	4.82
CHECK	Strong Red	Shademaster III	6.00	77.48	4.33	5.10	5.17	4.72
NexGen	Strong Red	ASC354	3.67	44.74	4.42	4.90	5.33	4.66
Rutgers	Strong Red	Z16-DRBM2X	6.33	59.29	5.08	4.17	4.00	4.62
DLF	Strong Red	DLF-FRR 79	7.67	78.52	4.58	4.63	4.50	4.61
NexGen	Strong Red	ASC351	6.00	61.46	4.67	4.50	4.17	4.58
DLF	Strong Red	DLF-FRR 76	4.67	58.04	4.47	3.87	3.50	4.17
CHECK	Strong Red	Boreal	4.33	37.90	3.61	3.20	3.33	3.41
		CV	15.30	18.47	7.27	6.96	9.78	5.57
		LSD (0.05)	1.55	19.46	0.57	0.53	0.73	0.43

2018 Summer Patch = 1-9; 9=Least Damage (1 rating: Aug. 8, 2018)

2018 Summer Patch Percent Cover = % cover NOT infected (1 rating: Aug. 8, 2018)

2018 Average Turf Quality = 1-9; 9=Best (12 ratings)

2019 Average Turf Quality = 1-9; 9=Best (10 ratings)

2018 - 2019 Average Winter Turf Quality = 1-9; 9=Best (2 ratings)

2018 - 2019 Average Turf Quality = 1-9; 9=Best (22 ratings)

\*PST-4GRP did not establish; re-seeded with Shademaster III

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

2019 Data

SPONSOR	CULTIVAR	Subjective Data	
		Winter Turf Quality 2019	Average Turf Quality 2019
PST	PST-214	7.33	7.00
PST	Silver Sport	7.67	7.00
PPG	PPG-PR-477	5.67	6.89
PPG	PPG-PR-471	6.33	6.82
PST	SYN 2HAF	7.00	6.74
PPG	PPG-PR-435	6.00	6.70
SS	Nexus XD	6.00	6.63
DLFPS	DLFPS-236-3576	6.00	6.63
NTR	APR2616	6.33	6.56
PPG	PPG-PR-434	6.67	6.56
PST	PST-2MKD	6.67	6.56
NTR	APR2609	7.00	6.55
PPG	PPG-PR-437	6.67	6.55
NAI	NAI-LM2	6.00	6.52
SS	SEPR-107	7.00	6.52
DLFPS	DLFPS-236-3578	6.67	6.52
PST	PST-2GDS	5.67	6.52
DLFPS	DLFPS-236-3546	7.33	6.48
DLFPS	DLFPS-236-3579	6.00	6.48
DLFPS	DLFPS-236-3582	6.67	6.48
PPG	PPG-PR-310	6.00	6.48
PPG	PPG-PR-229	6.67	6.45
PPG	PPG-PR-436	6.00	6.41
DLFPS	DLFPS-236-3586	6.00	6.37
PST	PST-2BGL	6.00	6.37
DLFPS	DLFPS-236-3581	5.67	6.37
SS	Shield	6.33	6.34
PPG	PPG-PR-342	5.67	6.34
NTR	Soprano	6.33	6.33
DLFPS	Allstar 3	6.67	6.33
PST	PST-2SHRP	7.00	6.33
SS	SEPR-106	6.00	6.30
DLFPS	DLFPS-236-3542	6.33	6.29
SS	Nexus XR	6.00	6.29
PPG	PPG-PR-338	6.33	6.26
SS	SNX	5.33	6.26
DLFPS	DLFPS-236-3540	6.33	6.22
PST	PST-2WHB	6.33	6.22
DLFPS	DLFPS-236-3541	5.67	6.19
PPG	PPG-PR-433	6.33	6.19
NTR	APR2612	6.00	6.18
DLFPS	DLFPS-236-3543	6.67	6.18
DLFPS	DLFPS-236-3547	6.33	6.18
DLFPS	DLFPS-236-3584	5.67	6.18
PST	PST-2FLAT	6.33	6.18
NTR	APR2846	4.67	6.15
SS	Signet	5.33	6.15
PPG	PPG-PR-376	5.33	6.15
NTR	APR3060	5.00	6.11
DLFPS	DLFPS-236-3577	6.00	6.11
DLFPS	DLFPS-236-3583	5.67	6.11
DLFPS	DLFPS-236-3538	5.67	6.11
PPG	PPG-PR-478	5.33	6.11
PST	PST-2BET	5.67	6.11
PPG	PPG-PR-438	6.00	6.08
NTR	APR2617	6.00	6.07
NTR	APR2237	6.00	6.07

SPONSOR	CULTIVAR	Subjective Data	
		Winter Turf Quality 2019	Average Turf Quality 2019
PPG	PPG-PR-368	6.00	6.07
NAI	NAI-LD52	4.67	6.04
NAI	NAI-17106	5.67	6.04
NTR	APR2719	5.67	6.00
DLFPS	DLFPS-236-3580	5.00	6.00
NAI	NAI-LM3	5.00	6.00
PST	PST-2DRG	5.67	6.00
PST	PST-2E6	6.67	6.00
NTR	APR2846	5.33	5.96
NAI	NAI-1422	5.33	5.96
SS	SEPR-N6	6.00	5.96
PST	Brightstar SLT	5.00	5.96
DLFPS	DLFPS-236-3575	6.33	5.93
DLFPS	Karma	5.33	5.93
PST	Silver Sun	5.00	5.92
PPG	PPG-PR-344	6.67	5.89
SS	SEPR-1	5.33	5.85
PST	PST-2MAY	5.67	5.85
PST	PST-2BAD	6.00	5.85
PST	New Sealand	5.00	5.85
NTR	APR2848	5.00	5.85
PST	PST-2BD1	5.33	5.81
PPG	Grandslam GLD	5.67	5.78
NTR	APR2463	4.33	5.78
SS	SEPR-2	5.00	5.78
SS	SEPR-3	4.67	5.78
PPG	PPG-PR-432	6.00	5.74
NTR	APR2685	4.67	5.74
NTR	APR2946	5.00	5.74
DLFPS	DLFPS-236-3585	5.67	5.74
PST	Silverdollar	5.00	5.74
NTR	APR2703	5.67	5.70
PPG	PPG-PR-472	5.33	5.70
NTR	APR2440	5.33	5.67
NTR	APR2856	5.33	5.63
NTR	APR2973	5.00	5.63
PPG	Homerun	5.67	5.63
NTR	APR2977	5.33	5.59
NTR	APR2839	4.67	5.48
NTR	APR2944	5.00	5.48
NTR	APR2753	5.33	5.48
NTR	APR2853	5.67	5.45
NTR	APR2637	5.00	5.44
NAI	Evolution	4.67	5.41
DLFPS	DLFPS-236-3024	4.67	5.34
NTR	APR2154	5.00	5.33
SS	Haven	5.00	5.33
NAI	Notable	4.67	5.30
NAI	NAI-17397	5.00	5.30
PST	Carly	4.33	5.22
NTR	APR2462	5.33	5.15
NAI	Commander ST	4.67	5.15
NTR	APR2790	5.00	5.00
NAI	Allsport 5	4.00	5.00
NTR	APR2835	4.00	4.93
NAI	Prosport 4	3.67	4.78
NAI	NAI-17409	4.00	4.56
CV		11.34	6.18
LSD (0.05)		0.87	0.50

2019 Winter Turf Quality = 1-9; 9=Best (1 rating: Dec. 17th, 2019)

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



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

2019 Data

SPONSOR	CULTIVAR	Subjective Data	
		Recovery 2019	Average Turf Quality 2019
SS	SEPR-107	7.00	6.37
PST	PST-2SHRP	6.33	6.27
SS	SEPR-106	5.33	6.23
PST	PST-2WHB	6.33	6.20
DLFPS	DLFPS-236-3541	6.33	6.17
DLFPS	DLFPS-236-3542	6.00	6.17
PST	SYN 2HAF	6.00	6.13
PST	PST-2GDS	4.67	6.00
DLFPS	DLFPS-236-3575	6.00	5.97
DLFPS	DLFPS-236-3576	5.67	5.93
DLFPS	DLFPS-236-3584	5.33	5.93
PPG	PPG-PR-435	6.33	5.93
DLFPS	DLFPS-236-3543	5.33	5.90
DLFPS	DLFPS-236-3540	6.00	5.87
PPG	PPG-PR-436	5.00	5.87
PPG	PPG-PR-471	6.33	5.87
DLFPS	DLFPS-236-3547	6.00	5.83
DLFPS	Allstar 3	5.67	5.83
PPG	PPG-PR-477	5.67	5.83
PST	PST-2MAY	6.33	5.83
PST	PST-2MKD	4.67	5.83
NTR	APR2609	4.67	5.77
PST	PST-214	6.00	5.77
PST	PST-2BGL	6.00	5.77
DLFPS	DLFPS-236-3577	5.67	5.73
DLFPS	DLFPS-236-3579	5.33	5.73
PST	PST-2E6	4.67	5.73
DLFPS	DLFPS-236-3582	6.00	5.70
DLFPS	DLFPS-236-3546	4.67	5.70
SS	SEPR-N6	5.67	5.70
PPG	PPG-PR-437	6.00	5.70
PPG	PPG-PR-229	4.00	5.67
PPG	PPG-PR-342	6.00	5.67
PPG	PPG-PR-434	6.00	5.67
SS	SEPR-1	5.67	5.63
PPG	PPG-PR-344	5.67	5.63
PPG	PPG-PR-438	5.67	5.63
PPG	PPG-PR-478	5.00	5.63
PST	PST-2BAD	4.67	5.60
DLFPS	DLFPS-236-3578	4.67	5.57
DLFPS	DLFPS-236-3581	5.00	5.57
NAI	NAI-17106	4.67	5.47
PPG	PPG-PR-310	5.00	5.47
PPG	PPG-PR-338	5.00	5.47
PST	PST-2FLAT	5.00	5.47
PST	PST-2DRG	6.00	5.47
PPG	PPG-PR-433	5.33	5.40
PST	Silver Sport	4.67	5.40
DLFPS	DLFPS-236-3580	6.33	5.37
DLFPS	DLFPS-236-3586	5.67	5.37
DLFPS	DLFPS-236-3583	4.67	5.33
SS	Shield	5.00	5.30
SS	Signet	5.00	5.30
PPG	Grandslam GLD	5.00	5.27
PST	PST-2BET	4.33	5.27
NTR	Soprano	5.00	5.23
DLFPS	Karma	4.33	5.23
NTR	APR2616	5.33	5.20

SPONSOR	CULTIVAR	Subjective Data	
		Recovery 2019	Average Turf Quality 2019
DLFPS	DLFPS-236-3585	5.33	5.20
SS	Nexus XD	5.67	5.20
NTR	APR2703	4.00	5.17
PPG	PPG-PR-368	4.33	5.17
NAI	NAI-1422	4.00	5.10
NAI	NAI-LM3	4.67	5.03
SS	SNX	5.67	5.03
SS	Nexus XR	5.33	5.03
NAI	NAI-LM2	4.67	4.97
PPG	PPG-PR-472	4.33	4.97
PST	PST-2BD1	4.00	4.93
PPG	PPG-PR-376	4.33	4.87
PPG	PPG-PR-432	5.00	4.87
PST	Brightstar SLT	5.33	4.83
NAI	Evolution	4.00	4.80
NTR	APR2973	4.33	4.70
DLFPS	DLFPS-236-3024	4.00	4.70
DLFPS	DLFPS-236-3538	4.67	4.70
NTR	APR2853	3.00	4.63
NTR	APR2848	3.33	4.57
NTR	APR2237	4.33	4.57
PST	Silver Sun	5.67	4.57
NTR	APR2463	3.67	4.47
NTR	APR2612	4.00	4.47
NAI	NAI-LD52	5.00	4.47
SS	SEPR-3	4.67	4.47
PPG	Homerun	5.33	4.47
NTR	APR2946	3.67	4.43
SS	SEPR-2	3.67	4.43
NTR	APR2440	4.00	4.40
NTR	APR2719	3.67	4.40
NTR	APR2154	4.00	4.33
NTR	APR2856	3.33	4.30
NTR	APR2839	3.33	4.27
PST	New Sealand	3.33	4.27
NTR	APR3060	3.00	4.23
NAI	NAI-17397	4.00	4.17
NTR	APR2753	3.33	4.10
NTR	APR2846	2.67	4.07
NTR	APR2637	4.00	4.07
SS	Haven	3.67	3.97
NTR	APR2977	4.67	3.93
NTR	APRT2835	2.33	3.90
NTR	APR2846	3.67	3.87
NTR	APR2617	3.00	3.83
NTR	APR2944	3.00	3.83
NTR	APR2462	3.00	3.80
PST	Silverdollar	3.67	3.80
NTR	APR2685	3.00	3.60
PST	Carly	3.00	3.40
NTR	APR2790	3.67	3.37
NAI	Notable	3.33	3.37
NAI	Prosport 4	3.67	3.27
NAI	Allsport 5	2.67	3.23
NAI	Commander ST	3.00	3.17
NAI	NAI-17409	3.00	2.87
	CV	21.99	6.47
	LSD (0.05)	1.40	0.44

2019 Recovery = 1-9; 9=Best (1 rating: August 30th, 2019)  
 2019 Average Turf Quality = 1-9; 9=Best (10 ratings)



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

2019 Data

SPONSOR	CULTIVAR	Subjective Data
		Average Turf Quality 2019
NTR	APR2237	7.08
SS	SNX	6.83
PST	PST-2FLAT	6.79
PPG	PPG-PR-471	6.75
SS	SEPR-N6	6.71
SS	SEPR-107	6.71
PST	PST-2WHB	6.67
PST	PST-2MKD	6.66
DLFPS	DLFPS-236-3541	6.62
PST	PST-2SHRP	6.62
NTR	APRT2835	6.58
DLFPS	DLFPS-236-3540	6.54
SS	SEPR-106	6.50
PPG	PPG-PR-438	6.46
PST	SYN 2HAF	6.46
PST	PST-214	6.46
NTR	APR2848	6.42
PPG	PPG-PR-342	6.37
PST	PST-2GDS	6.37
PST	PST-2BAD	6.37
NTR	APR2440	6.33
SS	Nexus XD	6.33
PPG	PPG-PR-478	6.29
NTR	APR2839	6.25
DLFPS	DLFPS-236-3584	6.25
PPG	PPG-PR-433	6.21
SS	SEPR-3	6.21
NTR	APR2846	6.21
NTR	APR3060	6.17
DLFPS	DLFPS-236-3543	6.17
DLFPS	DLFPS-236-3585	6.17
PPG	PPG-PR-338	6.17
NTR	Soprano	6.17
DLFPS	DLFPS-236-3579	6.17
DLFPS	DLFPS-236-3582	6.17
DLFPS	Karma	6.17
DLFPS	DLFPS-236-3547	6.16
NTR	APR2609	6.13
DLFPS	DLFPS-236-3576	6.13
DLFPS	DLFPS-236-3581	6.13
PST	PST-2BET	6.13
PST	PST-2BGL	6.13
PPG	PPG-PR-344	6.12
PPG	PPG-PR-435	6.12
NAI	NAI-1422	6.12
PST	Silver Sport	6.12
DLFPS	DLFPS-236-3580	6.09
NTR	APR2856	6.08
NTR	APR2946	6.08
PPG	PPG-PR-472	6.08
PST	PST-2DRG	6.08
NTR	APR2612	6.04
NTR	APR2616	6.04
NTR	APR2637	6.04
DLFPS	DLFPS-236-3575	6.04
DLFPS	DLFPS-236-3577	6.04
NTR	APR2685	6.04
NTR	APR2973	6.04

SPONSOR	CULTIVAR	Subjective Data
		Average Turf Quality 2019
PPG	PPG-PR-376	6.04
PPG	PPG-PR-437	6.04
NTR	APR2977	6.00
DLFPS	DLFPS-236-3546	6.00
DLFPS	DLFPS-236-3586	6.00
SS	Shield	6.00
PST	New Sealand	6.00
PPG	Homerun	6.00
PPG	PPG-PR-436	5.96
NAI	NAI-LD52	5.96
PST	PST-2MAY	5.92
NTR	APR2719	5.92
DLFPS	DLFPS-236-3542	5.92
PPG	PPG-PR-229	5.92
PST	PST-2E6	5.92
DLFPS	DLFPS-236-3578	5.88
NAI	Evolution	5.88
NTR	APR2853	5.87
NTR	APR2944	5.87
NTR	APR2154	5.87
DLFPS	Allstar 3	5.87
DLFPS	DLFPS-236-3583	5.83
PPG	PPG-PR-477	5.83
NAI	NAI-LM3	5.83
NAI	NAI-17106	5.83
PPG	PPG-PR-310	5.79
SS	Haven	5.79
SS	Nexus XR	5.75
PPG	Grandslam GLD	5.75
DLFPS	DLFPS-236-3538	5.75
PPG	PPG-PR-368	5.75
NTR	APR2463	5.75
NAI	NAI-17397	5.75
PPG	PPG-PR-432	5.71
PST	Silver Sun	5.71
NTR	APR2846	5.71
NTR	APR2753	5.71
NTR	APR2462	5.67
NTR	APR2703	5.67
NAI	Commander ST	5.67
PST	PST-2BD1	5.67
NAI	NAI-17409	5.66
NAI	Notable	5.63
SS	Signet	5.63
PST	Silverdollar	5.63
NAI	Allsport 5	5.58
NAI	NAI-LM2	5.58
NTR	APR2617	5.58
SS	SEPR-1	5.54
NTR	APR2790	5.50
SS	SEPR-2	5.42
PPG	PPG-PR-434	5.42
PST	Brightstar SLT	5.37
PST	Carly	5.33
NAI	Prosport 4	5.29
DLFPS	DLFPS-236-3024	5.04
	CV	6.34
	LSD (0.05)	0.52

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





CTBT: 2015 Trial - 15CTFA14  
 Kentucky Bluegrass Turf Trial  
 Location: Blacksburg, VA  
 Cooperator: Dr. Mike Goatley Jr.

2019 Data

SPONSOR	CULTIVAR	Subjective Data	
		Average Turf Quality 2019	Average Turf Quality 2016 - 2019
Rutgers	3N1	8.67	7.93
PST	PST-5DR	8.22	7.90
DLFPS	DLFPS-TF/3543	8.61	7.82
DLFPS	DLFPS-TF/3548	8.28	7.80
PST	Lifeguard	8.55	7.77
PPG	Avenger II	8.06	7.77
DLFPS	DLFPS-TF/3538	8.33	7.76
PST	PST-5LYM	8.33	7.76
Rutgers	3N2	8.28	7.75
PST	PST-5DAW-15	8.61	7.72
PST	PST-5MIN4	8.11	7.71
DLFPS	DLFPS-TF/3539	8.22	7.71
DLFPS	Rowdy	8.39	7.71
NexGen	Rebel V (ATF1736)	8.33	7.67
DLFPS	DLFPS-TF/3552	8.50	7.66
PPG	PPG-TF 232	8.61	7.64
Rutgers	3B2	8.44	7.62
NexGen	ATF1467	8.50	7.61
DLFPS	Fayette	8.22	7.58
PST	PST-SYN-5WAB-15	8.06	7.57
PPG	PPG-TF 234	8.33	7.57
DLFPS	DLFPS-TF/3550	8.06	7.56
PST	PST-5SQB	8.17	7.55
PST	PST-SYN-5YORK-15	7.94	7.53
PPG	PPG-TF 231	8.28	7.53
DLFPS	DLFPS-TF/3553	8.33	7.53
Rutgers	304	7.95	7.52
PPG	PPG-TF 176	8.28	7.51
PPG	PPG-TF 177	8.11	7.49
DLFPS	Hounddog 8	7.78	7.47
PPG	Titanium 2LS	8.11	7.47
PPG	PPG-TF 230	7.95	7.47
NexGen	ATF1829	8.39	7.46
PPG	PPG-TF 178	8.17	7.46
DLFPS	Firewall	8.11	7.46
PPG	PPG-TF 229	7.89	7.45
PST	PST-5MINI	7.45	7.41
PST	PST-5T24	8.17	7.38
PST	PST-5MIK	7.95	7.37
DLFPS	DLFPS-TF/3547	8.17	7.36
PST	PST-53D2	8.16	7.36
NexGen	ATF1552	7.39	7.34
NexGen	ATF1836	7.89	7.32
DLFPS	DLFPS-TF/3551	8.17	7.29
NexGen	Six Point	8.22	7.28
PST	PST-5DZP	7.94	7.26

SPONSOR	CULTIVAR	Subjective Data	
		Average Turf Quality 2019	Average Turf Quality 2016 - 2019
DLFPS	DLFPS-TF/3541	8.05	7.26
DLFPS	DLFPS-TF/3549	7.94	7.26
DLFPS	DLFPS-TF/3542	7.95	7.26
PST	Gazelle II	7.89	7.25
Rutgers	WATKINS	7.94	7.25
DLFPS	DLFPS-TF/3540	7.83	7.24
PST	PST-R511	7.67	7.23
NexGen	South Fork (ATF1738)	8.00	7.21
NexGen	ATF1576	7.78	7.20
DLFPS	Bloodhound	8.28	7.18
NexGen	ATF1574	7.78	7.16
NexGen	Springwood (ATF1599)	7.72	7.14
PPG	PPG-TF 154	7.55	7.13
NexGen	Rebel Exeda	7.78	7.12
NexGen	ATF1835	7.72	7.10
PPG	PPG-TF 153	7.94	7.05
NexGen	ATF1838	7.83	7.05
NexGen	ATF1831	7.50	7.05
NexGen	ATF1832	7.44	7.04
NexGen	ATF1572	7.61	7.03
PST	Tar Heel II	7.55	7.03
PST	Rain Dance	7.17	7.02
DLFPS	Turfway	7.06	7.02
PST	Saltillo	7.39	7.01
NexGen	ATF1601	7.61	6.99
PST	PST-5BP0	7.95	6.99
PST	PST-5EX2	7.22	6.99
PST	PST-5STAR	7.61	6.97
DLFPS	DLFPS-TF/3545	7.67	6.97
DLFPS	Rebounder	7.56	6.97
PST	PST-5BRK	7.45	6.97
PPG	PPG-TF 155	7.61	6.96
DLFPS	DLFPS-TF/3546	8.11	6.94
NexGen	ATF1616	7.33	6.90
NexGen	ATF1585	7.28	6.87
PPG	PPG-TF 174	7.28	6.86
NexGen	ATF1833	7.22	6.85
DLFPS	DLFPS-TF/3544	7.39	6.84
NexGen	ATF1591	7.11	6.80
DLFPS	Bullseye	7.67	6.79
NexGen	ATF1900	6.67	6.69
NexGen	ATF1617	7.06	6.52
NexGen	ATF1587	7.00	6.39
NexGen	ATF1594	6.06	6.23
PPG	Stingray	6.28	6.09
DLFPS	KY-31 E+	5.05	5.40
	CV	6.03	4.45
	LSD (0.05)	0.64	0.44

2019 Average Turf Quality = 1-9; 9=Best (6 ratings)  
 2016 - 2019 Average Turf Quality = 1-9; 9=Best (28 ratings)



### 2015 Tall Fescue Site Management

Site	Fertility (lbs / 1,000 ft <sup>2</sup> )			Soil Type	pH	Mow Height Inches	Irrigation	Fungicides	Herbicides	Trial Type	Other
	N	P	K								
Virginia Blacksburg	2.0	0.0	0.0	Sandy Clay	6.1	3.0	Prevent Stress	None	Pendimethalin	Sun	

### 2017 Fine Fescue Site Management

Site	Fertility (lbs / 1,000 ft <sup>2</sup> )			Soil Type	pH	Mow 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	1.0	0.0	0.0	Silt Loam Clay Loam	6.3	3.0	None	None	None	Full Sun	
Minnesota St. Paul	0.5	0.0	0.0	Wakegan Silt Loam	7.3	2.5	None	None	None	Full Sun	
New Jersey Adelphia	1.0	0.0	0.0	Sandy Loam	6.1	1.5	Prevent Severe Stress	None	Dimension	Full Sun	
New Jersey Salem	3.75	1.0	1.5	Silt Loam	6.3	1.75	None	None	Ronstar 2G	Full Sun	
Oregon Albany	2.0	0.0	0.0	Silt Loam	5.0	1.5	None	Satori	None	Drought	
Oregon Canby	3.5	0.0	0.0	Woodburn Silty Clay Loam	5.6	2.0	Prevent Stress	None	Dimension, Speed Zone	Low Mow	

## 2018 Perennial Ryegrass Site Management

Site	Fertility (lbs / 1,000 ft <sup>2</sup> )			Soil Type	pH	Mow 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	3.0	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 Adelphia	3.75	0.0	0.0	Sandy Loam	6.1	1.5	Prevent Severe Stress	None	Dimension	Full Sun	
New Jersey Salem	3.75	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	