



Cooperative Turfgrass Breeders Test

2013 Report



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2013 CTBT Sponsors

Company

Pure Seed Testing

NexGen Turf Research

Peak Genetics

Rutgers University

DLF – OR

Pickseed Group

Abbreviation

PST

NexGen

Peak Genetics

Rutgers

DLF

PSG

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CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: Storrs, Connecticut
 Cooperator: Victoria Wallace

2013 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)			
PPG	Blue Ray	5.75	5.96
PSG	SR 3150	5.92	5.96
PPG	Beacon	5.67	5.92
DLF	IS-FL47	5.71	5.86
DLF	IS-FL48	5.67	5.79
PSG	3J2927	5.38	5.75
NexGen	AHF203	5.09	5.67
PST	4BIL	5.59	5.54
DLF	IS-FL50	5.34	5.52
PSG	3TH3	5.21	5.50
NexGen	AHF181	4.88	5.46
PSG	Azay Blue	4.71	5.36
PSG	Spartan II	5.13	5.34
PST	Bighorn GT	5.13	5.33
Rutgers	Firefly	5.17	5.25
PSG	AZB	4.46	5.23
PSG	S2SE	4.67	5.09
DLF	Eureka II	4.75	5.04
PST	4HES	4.54	5.00
NexGen	AHF188	4.25	4.86
PST	Soil Guard	4.50	4.81
NexGen	AHF177	4.08	4.77
NexGen	AHF204	3.67	4.69
PST	4NY	4.17	4.57
DLF	IS-FL46	3.84	4.56
CHEWINGS FESCUE			
PPG	PPG-FRC103	5.63	5.44
PPG	Radar	5.42	5.38
NexGen	ACF278	5.33	5.36
PST	Enchantment	5.25	5.33
DLF	Wrigley 2	5.42	5.31
NexGen	ACF261	5.42	5.31
NexGen	ACF283	5.59	5.31
PSG	50C3	5.38	5.25
NexGen	ACF277	5.04	5.23
PST	R4TC	5.42	5.19
DLF	IS-FRC36	5.29	5.19
DLF	IS-FRC37	5.34	5.19
NexGen	ACF256	5.34	5.19
PSG	FC 09-2	5.04	5.11
PST	4CHT	5.25	5.09
DLF	Longfellow III	5.21	5.06
PST	4CHY	4.96	5.05
Rutgers	Intrigue II	5.25	5.04
DLF	Longfellow II	5.04	5.02
PST	PST-4C30D	5.13	4.92
PST	4SHR-CH	5.08	4.90
NexGen	Survivor (ACF266)	5.17	4.81
NexGen	Culumbra II	5.09	4.79
PPG	Koket	4.46	4.73
PSG	PSG SPRS	4.79	4.65

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE			
PPG	PPG-FRR105	5.38	5.34
PPG	Marvel (PPG-FRR106)	4.96	5.29
PPG	Gibraltar Gold (PPG-FRR102)	5.13	5.19
DLF	IS-FRR65	5.00	5.15
PSG	5J51-15	5.13	5.13
NexGen	ASC332	5.21	5.13
NexGen	Pennington ASC295	5.17	5.09
PSG	ORC 126	5.13	5.02
NexGen	ASC313	5.09	5.02
NexGen	Lustrous	4.80	5.02
NexGen	ASC320	5.09	4.98
NexGen	ASC323	4.96	4.88
DLF	IS-FRR68C	4.79	4.86
PPG	PPG-FRR103	4.88	4.84
PST	4GRY	5.00	4.81
PSG	5RJ1E	4.75	4.79
NexGen	ASC321	4.67	4.79
PSG	5RJ1L	4.50	4.73
NexGen	ASC319	4.67	4.73
NexGen	ASC333	4.75	4.73
PSG	OS2	4.67	4.67
DLF	IS-FRR61	4.50	4.65
DLF	IS-FRR62	4.34	4.60
PST	4CR10-08	4.50	4.48
DLF	Cindy Lou	4.17	4.48
PST	4RED	4.42	4.44
PSG	SO	4.46	4.39
PST	4CRD-U	4.34	4.38
PPG	PPG-FRR104	4.17	4.38
PST	4CRD-8	4.04	4.29
PST	4CRD-P	4.17	4.29
PSG	Garnet	4.38	4.25
PST	Shademaster III	4.13	4.23
PSG	SDHT	4.38	4.19
PSG	SDT	4.04	4.13
PSG	SHST	4.00	4.02
PSG	SHSM	4.17	4.02
PSG	SG	3.96	3.96
PSG	Boreal	4.29	3.96
SLENDER CREEPING RED FESCUE			
NexGen	ASR184	5.63	5.46
NexGen	ASR181	5.38	5.17
NexGen	ASR172	5.09	4.98
PST	4SEA	4.59	4.90
NexGen	ASR176	4.34	4.77
PSG	PSG 5RM	4.63	4.54
PPG	Navigator II	4.17	4.46
PST	Seabreeze GT	4.21	4.27
PSG	Oracle	3.96	3.92
PSG	07-1FF	3.63	3.46
	CV	14.46	9.15
	LSD (0.05)	0.94	0.61
	GRAND MEAN	4.84	4.93
	MIN. MEAN	3.63	3.46
	MAX. MEAN	5.92	5.96

Turf Quality 2013 = 0-9; 9=Best (8 ratings)

Turf Quality 2012-2013 = 0-9; 9=Best (16 ratings)

CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: Urbana, Illinois
 Cooperator: Dr. Tom Fermanian

2013 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Genetic Color 2013	Average Cover 2013	Average Genetic Color 2012-2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)						
DLF	IS-FL48	3.83	5.33	44.17	6.08	4.86
NexGen	AHF204	3.58	5.00	33.33	6.00	4.86
NexGen	AHF188	3.58	4.83	37.50	5.67	4.80
NexGen	AHF203	3.50	4.83	38.33	5.83	4.77
NexGen	AHF181	3.50	5.00	43.33	5.83	4.71
PSG	Spartan II	3.92	5.33	42.50	5.92	4.69
PST	4BIL	3.75	5.33	43.33	5.92	4.69
NexGen	AHF177	3.17	5.17	40.83	5.92	4.69
PPG	Beacon	3.33	5.17	22.50	5.83	4.67
PSG	AZB	3.50	5.00	39.17	5.83	4.65
PST	Bighorn GT	3.58	5.17	38.33	6.08	4.63
DLF	IS-FL46	3.42	5.50	37.50	6.17	4.52
PST	4NY	3.17	5.00	26.67	5.92	4.46
PSG	SR 3150	3.08	5.00	29.17	5.67	4.46
PSG	Azay Blue	3.25	5.17	45.00	5.92	4.44
PSG	3J2927	3.08	5.17	34.17	5.83	4.38
PPG	Blue Ray	3.50	5.50	37.50	6.08	4.38
Rutgers	Firefly	2.75	3.50	30.33	5.00	4.36
PSG	S2SE	2.92	5.33	25.00	5.92	4.34
PST	4HES	3.08	5.17	28.33	5.92	4.34
DLF	IS-FL50	3.08	5.33	37.50	5.92	4.30
DLF	IS-FL47	3.17	5.17	43.33	6.00	4.30
DLF	Eureka II	3.25	4.83	25.83	5.92	4.23
PSG	3TH3	2.67	5.50	24.17	6.08	4.21
PST	Soil Guard	3.17	5.33	25.00	6.00	4.19
CHEWINGS FESCUE						
NexGen	ACF278	4.25	5.17	69.17	5.83	5.44
PST	4CHT	4.25	5.50	56.67	6.00	5.40
NexGen	ACF277	4.00	5.00	50.83	5.83	5.36
PST	4SHR-CH	4.17	5.33	55.00	5.92	5.32
PSG	50C3	4.00	5.67	50.83	6.25	5.32
PPG	PPG-FRC103	4.08	5.33	54.17	6.25	5.29
PSG	FC 09-2	3.67	5.17	45.00	6.00	5.21
NexGen	Culumbra II	3.92	4.83	48.33	5.75	5.21
NexGen	Survivor (ACF266)	4.33	5.00	56.67	5.92	5.21
DLF	Longfellow II	3.92	5.17	55.83	5.92	5.17
DLF	IS-FRC36	3.75	5.67	35.83	6.33	5.15
DLF	IS-FRC37	4.08	5.33	41.67	6.08	5.09
PST	4CHY	3.83	4.83	46.67	5.50	5.03
PSG	PSG SPRS	3.67	5.17	46.67	5.83	4.98
Rutgers	Intrigue II	3.42	5.17	33.33	6.00	4.94
NexGen	ACF261	3.50	5.17	40.00	6.08	4.92
PST	Enchantment	3.58	4.83	29.17	5.67	4.92
NexGen	ACF283	3.50	5.17	39.17	5.92	4.92
PST	PST-4C30D	3.42	4.50	33.67	5.50	4.90
PPG	Radar	3.25	5.83	30.00	6.17	4.84
DLF	Wrigley 2	3.25	5.00	28.33	5.83	4.80
PST	R4TC	3.25	4.83	25.83	5.58	4.79
PPG	Koket	3.42	5.50	36.67	5.92	4.75
DLF	Longfellow III	3.25	5.17	21.67	5.92	4.71
NexGen	ACF256	3.33	5.33	28.33	6.17	4.69

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Genetic Color 2013	Average Cover 2013	Average Genetic Color 2012-2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE						
NexGen	ASC333	4.08	5.00	40.00	6.00	5.34
PSG	5J51-15	4.17	5.00	49.17	5.83	5.32
PPG	Marvel (PPG-FRR106)	3.83	5.17	37.50	5.92	5.32
PSG	SDT	4.25	5.33	48.33	5.92	5.27
NexGen	ASC332	4.00	4.83	45.00	5.92	5.23
PPG	PPG-FRR105	4.08	5.33	45.83	6.08	5.23
PSG	Garnet	3.75	5.33	48.33	6.08	5.15
PST	4GRY	3.58	5.50	36.67	6.33	5.13
PST	4CRD-8	4.00	5.33	41.67	6.08	5.13
NexGen	Lustrous	3.83	5.33	42.50	5.83	5.13
PST	4RED	3.83	5.50	44.17	6.25	5.13
NexGen	ASC323	3.58	5.00	44.17	5.92	5.11
DLF	IS-FRR65	3.75	4.83	38.33	5.83	5.09
PSG	5RJ1E	3.42	5.67	40.83	6.33	5.07
DLF	IS-FRR68C	3.42	5.33	41.67	6.08	5.05
NexGen	ASC321	3.42	5.33	54.17	6.00	5.05
PSG	SG	3.92	5.00	45.00	5.83	5.04
PSG	5RJ1L	3.50	5.67	40.83	6.42	5.03
PSG	SO	3.67	5.33	45.00	6.00	5.00
NexGen	ASC320	3.67	5.00	37.50	5.92	5.00
PST	4CRD-U	3.50	5.00	39.17	5.92	4.96
PPG	PPG-FRR104	3.33	5.33	38.33	5.92	4.96
PST	Shademaster III	3.83	5.67	32.50	6.17	4.94
DLF	IS-FRR62	3.58	5.17	35.83	6.08	4.92
PSG	ORC 126	3.17	5.50	26.67	6.08	4.90
NexGen	ASC313	3.25	5.17	37.50	5.83	4.90
DLF	IS-FRR61	3.42	5.83	37.50	6.33	4.88
PSG	OS2	3.08	5.67	30.83	6.42	4.86
PPG	Gibraltar Gold (PPG-FRR102)	3.08	5.33	38.33	6.17	4.86
NexGen	ASC319	3.17	5.17	33.33	6.00	4.78
NexGen	Pennington ASC295	3.08	5.00	27.50	6.00	4.73
PSG	SHSM	3.50	5.00	30.83	5.75	4.71
PSG	Boreal	3.42	5.50	37.50	6.08	4.71
PSG	SDHT	3.42	5.17	36.67	5.67	4.71
PST	4CRD-P	3.08	5.50	33.33	6.08	4.67
PST	4CR10-08	3.08	4.83	35.00	6.00	4.67
DLF	Cindy Lou	3.08	5.17	18.33	5.75	4.65
PPG	PPG-FRR103	2.92	4.83	30.00	5.75	4.65
PSG	SHST	2.92	5.33	26.67	5.83	4.52
SLENDER CREEPING RED FESCUE						
NexGen	ASR184	4.42	5.67	60.67	6.00	5.48
PSG	PSG 5RM	4.00	5.50	46.67	6.17	5.27
NexGen	ASR181	3.83	5.00	41.67	5.58	5.13
NexGen	ASR172	3.42	5.67	32.50	6.17	5.04
PST	Seabreeze GT	3.75	5.50	48.33	6.00	4.94
NexGen	ASR176	3.50	5.50	40.00	5.92	4.92
PSG	Oracle	3.50	5.50	39.17	5.83	4.82
PSG	07-1FF	3.42	5.17	31.67	6.00	4.69
PPG	Navigator II	2.92	4.83	23.33	5.83	4.69
PST	4SEA	3.08	5.17	36.67	5.67	4.59
	CV	19.78	9.07	47.68	4.79	7.64
	LSD (0.05)	0.94	0.64	24.86	0.38	0.50
	GRAND MEAN	3.53	5.21	38.64	5.95	4.88
	MIN. MEAN	2.67	3.50	18.33	5.00	4.19
	MAX. MEAN	4.42	5.83	69.17	6.42	5.48

Average Turf Quality 2013 = 1-9; 9=Best (4 ratings)
 Average Genetic Color 2013 = 1-9; 9=Darkest (2 ratings)
 Average Cover 2013 = 1-100; 100=Most Cover (2 ratings)
 Average Genetic Color 2012-2013 = 1-9; 9=Darkest (4 ratings, 2 years of data)
 Average Turf Quality 2012-2013 = 1-9; 9=Best (12 ratings, 2 years of data)

CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: Berry, Kentucky
 Cooperator: Kevin Blanchet

2013 Data

SPONSOR	CULTIVAR	Subjective Ratings		Digital Image Analysis Ratings					
		Average Turf Quality 2013	Average Turf Quality 2012-2013	Average Genetic Color 2013	Average Density 2013	Average Turf Quality 2013	Average Genetic Color 2012-2013	Average Density 2012-2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)									
PST	4HES	5.37	4.65	4.58	5.08	6.75	5.52	4.54	6.83
DLF	IS-FL48	4.80	4.27	5.25	5.08	6.75	5.80	4.94	6.82
NexGen	AHF203	5.57	5.02	4.75	4.25	6.21	5.46	4.68	6.80
PPG	Blue Ray	5.33	4.80	5.42	3.83	6.34	6.18	4.07	6.74
NexGen	AHF181	4.87	4.33	5.33	4.50	6.21	5.66	4.72	6.67
PSG	Azay Blue	4.53	4.10	7.83	3.50	6.54	7.30	3.81	6.65
DLF	IS-FL46	4.83	4.32	5.42	4.33	6.71	5.92	3.98	6.59
PSG	3J2927	4.27	3.93	5.25	4.42	6.13	5.70	4.41	6.49
PSG	AZB	4.17	3.85	7.00	3.17	5.75	7.09	3.76	6.49
DLF	IS-FL50	4.20	3.77	5.92	3.25	5.67	6.19	4.00	6.45
PSG	Spartan II	5.00	4.43	5.92	3.67	6.29	5.50	4.29	6.41
PST	Bighorn GT	4.87	4.37	5.83	4.00	5.79	6.65	4.11	6.38
PSG	S2SE	5.20	4.47	4.50	4.42	6.21	5.46	4.05	6.38
PPG	Beacon	4.77	4.35	4.75	3.50	5.55	5.82	4.04	6.35
PST	4BIL	5.03	4.42	5.42	4.08	6.04	5.72	4.11	6.32
Rutgers	Firefly	4.53	4.13	4.83	3.75	5.55	5.76	3.94	6.30
DLF	IS-FL47	3.67	3.57	5.42	4.75	6.25	5.74	4.55	6.30
NexGen	AHF177	5.00	4.47	5.33	4.42	6.21	5.74	4.04	6.29
PST	Soil Guard	5.07	4.33	5.58	3.33	5.59	6.13	3.70	6.21
PSG	3TH3	4.33	3.83	5.58	3.58	5.84	6.20	4.05	6.20
NexGen	AHF204	5.40	4.43	4.83	3.75	5.83	5.55	4.07	6.20
PSG	SR 3150	4.60	4.23	4.25	4.92	5.83	5.54	4.32	6.17
NexGen	AHF188	4.70	4.55	5.67	3.67	5.55	6.00	3.96	6.12
DLF	Eureka II	4.13	3.47	5.83	3.67	5.59	6.91	3.50	6.09
PST	4NY	4.30	4.22	5.00	4.08	5.71	5.50	3.89	5.98
CHEWINGS FESCUE									
DLF	Longfellow III	5.57	5.02	4.58	4.67	6.46	4.78	5.15	6.37
PSG	50C3	4.90	4.52	6.25	3.50	6.46	5.96	3.98	6.12
NexGen	ACF256	4.83	4.32	6.25	3.25	6.33	6.26	3.78	6.04
NexGen	Culumbra II	5.13	4.80	5.67	3.75	6.08	5.71	4.02	6.03
NexGen	ACF283	4.93	4.57	5.25	3.75	5.71	5.80	3.85	5.98
PSG	FC 09-2	5.03	4.72	5.25	3.58	6.04	5.63	3.98	5.97
PPG	Radar	4.70	4.65	5.75	4.25	6.42	5.52	4.09	5.97
NexGen	Survivor (ACF266)	4.70	4.48	5.50	3.17	5.80	5.46	3.78	5.86
PPG	PPG-FRC103	4.37	4.18	6.58	3.83	6.17	6.00	4.02	5.86
PST	Enchantment	5.10	4.88	4.92	3.08	5.63	4.82	4.15	5.79
Rutgers	Intrigue II	4.83	4.55	4.42	4.58	5.96	5.22	4.11	5.76
DLF	Longfellow II	4.60	4.30	5.92	3.42	5.92	6.08	3.54	5.71
DLF	IS-FRC37	5.27	4.73	4.75	3.17	5.67	5.24	3.67	5.70
NexGen	ACF278	5.27	5.07	5.25	3.08	5.46	5.37	3.80	5.67
DLF	Wrigley 2	5.07	4.70	4.33	4.00	5.96	5.02	3.85	5.58
DLF	IS-FRC36	4.87	4.70	5.67	3.08	5.50	5.24	3.77	5.56
NexGen	ACF277	5.30	5.02	5.83	2.83	5.75	5.28	3.78	5.47
NexGen	ACF261	5.57	5.38	5.33	2.92	5.59	5.32	3.59	5.43
PST	4SHR-CH	4.77	4.45	4.92	3.67	5.75	4.85	3.67	5.36
PST	4CHY	5.13	4.70	4.00	3.58	5.13	4.39	3.98	5.30
PST	R4TC	4.10	3.98	5.33	3.33	5.54	5.54	3.83	5.29
PST	PST-4C30D	5.03	4.65	4.67	3.17	5.42	4.98	3.44	5.23
PSG	PSG SPRS	4.83	4.48	4.83	2.75	5.38	5.24	3.31	5.17
PST	4CHT	5.23	5.15	4.17	3.17	5.09	4.17	3.80	4.97
PPG	Koket	4.17	3.98	4.67	2.25	4.38	5.04	3.15	4.70

SPONSOR	CULTIVAR	Subjective Ratings		Digital Image Analysis Ratings					
		Average Turf Quality 2013	Average Turf Quality 2012-2013	Average Genetic Color 2013	Average Density 2013	Average Turf Quality 2013	Average Genetic Color 2012-2013	Average Density 2012-2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE									
PPG	Gibraltar Gold (PPG-FRR102)	5.30	4.92	5.92	3.17	5.58	5.39	5.09	6.17
PSG	5RJ1E	4.70	4.25	6.67	3.42	6.04	6.09	4.33	6.15
NexGen	Lustrous	5.20	4.70	7.25	2.50	5.50	6.04	4.56	6.08
DLF	IS-FRR61	4.77	4.68	6.17	3.33	5.71	5.71	4.57	6.04
DLF	IS-FRR68C	4.87	4.20	6.58	3.42	5.88	6.15	4.22	5.97
PSG	5RJ1L	4.80	4.20	5.83	3.92	5.88	6.22	3.83	5.94
NexGen	ASC323	5.43	4.42	6.67	3.25	5.79	6.24	3.85	5.92
PST	4CRD-8	3.40	3.43	6.92	3.58	5.59	6.26	4.41	5.91
PPG	Marvel (PPG-FRR106)	5.30	4.78	6.42	2.92	6.13	6.00	4.00	5.91
PST	Shademaster III	3.43	3.22	6.50	4.50	5.42	6.50	4.35	5.89
PSG	OS2	4.30	3.75	6.08	4.17	5.84	6.33	4.37	5.89
NexGen	ASC332	4.97	4.38	5.75	3.67	5.79	5.68	4.19	5.89
PST	4GRY	3.97	3.65	6.83	3.67	5.88	6.59	3.94	5.83
PST	4CRD-P	4.57	4.32	5.67	3.58	5.79	5.91	4.13	5.79
PPG	PPG-FRR103	5.07	4.57	6.00	3.33	5.96	5.68	4.15	5.79
DLF	IS-FRR62	4.37	4.35	6.58	3.50	5.67	6.07	4.11	5.79
NexGen	ASC321	5.03	4.45	6.17	3.17	5.67	5.98	4.06	5.76
PSG	5J51-15	4.57	3.95	7.00	3.33	5.71	6.70	3.61	5.74
PST	4RED	4.83	4.35	6.67	2.75	5.59	6.61	3.37	5.71
PSG	Garnet	3.77	3.58	6.92	3.75	5.50	6.06	4.18	5.70
PSG	ORC 126	4.77	4.15	5.58	3.83	5.75	5.72	4.17	5.70
NexGen	ASC320	4.77	4.32	6.17	3.50	5.92	6.00	3.89	5.70
NexGen	Pennington ASC295	4.63	4.52	5.17	3.33	5.38	6.04	3.61	5.68
NexGen	ASC319	4.23	3.88	6.25	2.92	5.29	6.33	3.78	5.62
NexGen	ASC333	4.90	4.35	6.00	3.17	5.21	6.08	3.83	5.62
PST	4CRD-U	4.60	4.10	6.33	3.17	5.59	6.61	3.45	5.56
PPG	PPG-FRR105	4.97	4.38	6.50	2.58	5.21	5.79	3.96	5.56
PST	4CR10-08	4.53	3.90	7.00	2.75	5.42	6.44	3.63	5.53
DLF	IS-FRR65	4.17	3.82	6.00	2.92	5.09	5.83	3.69	5.48
NexGen	ASC313	5.00	4.57	5.92	3.50	5.09	5.72	4.54	5.45
DLF	Cindy Lou	4.70	4.28	6.08	2.83	5.42	5.76	3.78	5.42
PSG	SDT	3.33	2.97	6.92	3.17	4.88	6.34	4.02	5.38
PSG	SDHT	3.77	3.25	6.58	3.42	5.63	6.35	3.44	5.36
PSG	SG	4.00	3.40	6.92	2.92	5.42	6.47	3.22	5.20
PSG	SO	3.07	3.00	6.25	3.50	4.55	6.32	3.72	5.17
PPG	PPG-FRR104	4.30	3.88	6.67	3.50	5.08	6.35	3.54	5.15
PSG	SHSM	3.70	3.08	6.75	3.33	5.29	6.26	3.56	5.15
PSG	Boreal	3.73	3.13	7.50	2.75	4.96	6.46	3.48	4.87
PSG	SHST	3.63	3.22	6.50	2.75	4.63	6.07	3.32	4.86
SLENDER CREEPING RED FESCUE									
PSG	PSG 5RM	5.20	4.43	6.08	3.75	6.00	5.98	4.17	6.11
PSG	07-1FF	3.73	3.10	7.67	4.25	6.42	6.94	4.74	6.11
PPG	Navigator II	4.47	4.10	6.33	3.33	5.75	6.22	3.78	5.73
NexGen	ASR184	5.30	4.58	5.67	3.08	5.67	5.93	3.58	5.64
NexGen	ASR181	5.17	4.65	4.50	3.25	5.21	4.59	3.94	5.32
NexGen	ASR172	5.40	5.03	4.33	3.50	5.25	4.85	3.80	5.30
PSG	Oracle	3.87	3.23	6.42	3.50	5.38	6.08	3.72	5.24
NexGen	ASR176	3.83	3.78	4.67	2.92	4.25	5.26	3.17	4.88
PST	4SEA	3.20	3.23	5.83	3.17	4.71	6.02	2.96	4.84
PST	Seabreeze GT	3.13	3.00	5.00	3.50	4.71	5.04	3.65	4.77
	CV	14.91	13.05	12.68	19.50	9.41	8.74	10.50	4.82
	LSD (0.05)	0.93	0.74	0.99	0.93	0.72	0.69	0.56	0.38
	GRAND MEAN	4.63	4.22	5.78	3.53	5.68	5.84	3.95	5.81
	MIN. MEAN	3.07	2.97	4.00	2.25	4.25	4.17	2.96	4.70
	MAX. MEAN	5.57	5.38	7.83	5.08	6.75	7.30	5.15	6.83

Subjective Ratings

Average Turf Quality 2013 = 1-9; 9=Best (5 ratings)
Average Turf Quality 2012-2013 = 1-9; 9=Best (10 ratings, 2 years of data)

Digital Image Analysis Ratings

Average Genetic Color 2013 = 1-9; 9=Darkest (2 ratings)
Average Density 2013 = 1-9; 9=Most Dense (2 ratings)
Average Turf Quality 2013 = 1-9; 9=Best (4 ratings)
Average Genetic Color 2012-2013 = 1-9; 9=Darkest (9 ratings, 2 years of data)
Average Density 2012-2013 = 1-9; 9=Most Dense (9 ratings, 2 years of data)
Average Turf Quality 2012-2013 = 1-9; 9=Best (11 ratings, 2 years of data)

CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: Amherst, Massachusetts
 Cooperator: Dr. Scott Ebdon

2013 Data

Subjective Ratings

SPONSOR	CULTIVAR	Red Thread	Wear	Average Turf Quality 2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)					
NexGen	AHF177	9.00	7.67	6.07	6.12
PSG	3J2927	9.00	7.67	6.07	6.07
NexGen	AHF181	9.00	7.33	6.10	6.07
DLF	IS-FL46	9.00	7.33	6.23	6.07
PSG	S2SE	8.33	7.00	5.97	5.95
PSG	3TH3	9.00	7.00	6.23	5.93
DLF	IS-FL50	8.67	7.67	6.17	5.93
Rutgers	Firefly	9.00	8.00	5.97	5.93
DLF	IS-FL48	9.00	7.67	6.07	5.88
NexGen	AHF188	8.67	7.33	5.97	5.86
NexGen	AHF204	8.67	7.33	5.93	5.85
DLF	IS-FL47	8.67	7.33	6.27	5.83
PPG	Beacon	8.67	7.33	6.00	5.83
PSG	AZB	8.67	7.00	5.60	5.76
PSG	Spartan II	9.00	7.00	5.87	5.67
PST	4NY	8.67	7.00	5.80	5.55
PSG	SR 3150	8.67	7.00	5.97	5.50
PSG	Azay Blue	9.00	7.00	5.23	5.50
PST	4HES	8.67	7.67	5.90	5.45
PPG	Blue Ray	8.67	7.33	5.63	5.43
PST	4BIL	9.00	6.67	5.37	5.41
DLF	Eureka II	8.33	6.67	5.33	5.35
PST	Bighorn GT	8.33	7.00	5.23	5.26
NexGen	AHF203	8.67	7.67	5.13	5.21
PST	Soil Guard	8.67	6.00	5.20	5.05
CHEWINGS FESCUE					
PPG	Radar	9.00	6.67	5.90	5.93
PSG	50C3	8.67	6.67	5.63	5.91
DLF	IS-FRC36	8.33	6.33	5.80	5.84
DLF	Longfellow III	8.67	6.33	5.67	5.76
PSG	FC 09-2	9.00	6.00	5.63	5.71
DLF	IS-FRC37	9.00	6.33	5.63	5.71
Rutgers	Intrigue II	9.00	6.00	5.47	5.67
PST	R4TC	8.33	5.67	5.80	5.57
DLF	Longfellow II	8.67	6.33	5.27	5.55
PST	PST-4C30D	8.00	6.00	5.47	5.55
PPG	PPG-FRC103	9.00	6.00	5.47	5.55
DLF	Wrigley 2	9.00	6.33	5.50	5.52
NexGen	ACF278	8.67	6.00	5.53	5.52
PST	4SHR-CH	8.33	5.67	5.57	5.50
NexGen	ACF283	8.33	6.67	5.33	5.50
PST	4CHT	7.67	6.00	5.33	5.48
NexGen	ACF256	9.00	6.00	5.47	5.48
PST	Enchantment	7.33	5.33	5.47	5.41
NexGen	ACF261	8.67	5.67	5.33	5.41
NexGen	Survivor (ACF266)	7.67	6.00	5.23	5.38
NexGen	ACF277	8.67	6.00	5.23	5.29
NexGen	Culumbra II	9.00	6.00	5.13	5.24
PST	4CHY	8.00	6.00	5.07	5.22
PSG	PSG SPRS	6.67	5.00	4.90	5.19
PPG	Koket	8.00	4.67	4.40	4.19

Subjective Ratings

SPONSOR	CULTIVAR	Red Thread	Wear	Average Turf Quality 2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE					
PPG	Gibraltar Gold (PPG-FRR102)	8.67	6.00	5.93	6.05
PPG	Marvel (PPG-FRR106)	9.00	6.00	5.77	6.00
DLF	IS-FRR61	8.00	5.67	5.93	5.98
DLF	IS-FRR62	8.00	5.67	5.57	5.83
NexGen	ASC321	8.33	6.67	5.53	5.78
PPG	PPG-FRR103	8.67	6.00	5.83	5.76
PSG	ORC 126	7.00	5.67	5.47	5.76
PSG	5J51-15	8.67	6.67	5.60	5.71
PPG	PPG-FRR104	5.33	5.67	5.20	5.64
PSG	5RJ1E	5.00	6.33	5.43	5.62
DLF	IS-FRR65	6.00	5.67	5.40	5.60
PSG	5RJ1L	5.33	5.67	5.43	5.59
DLF	IS-FRR68C	7.33	6.33	5.63	5.59
PST	4CRD-U	5.33	5.00	5.10	5.55
NexGen	Pennington ASC295	8.33	5.67	5.33	5.55
PSG	Garnet	5.00	5.33	5.07	5.52
NexGen	ASC319	8.00	5.33	5.17	5.52
PSG	OS2	5.67	5.00	5.53	5.50
PPG	PPG-FRR105	7.67	6.00	5.23	5.50
DLF	Cindy Lou	5.33	5.33	5.13	5.48
PST	4GRY	6.33	5.00	5.37	5.48
NexGen	ASC313	7.33	4.67	5.40	5.48
PST	4CRD-P	6.67	5.67	5.23	5.43
NexGen	ASC333	7.67	4.67	4.90	5.43
PST	4RED	7.00	4.67	5.10	5.41
NexGen	Lustrous	8.33	5.33	5.07	5.41
NexGen	ASC323	7.33	5.00	5.30	5.38
NexGen	ASC320	8.00	5.67	5.23	5.31
PST	4CRD-8	6.00	5.67	4.97	5.28
NexGen	ASC332	6.33	5.33	4.93	5.21
PSG	SO	5.33	4.67	4.50	5.12
PST	4CR10-08	7.33	5.00	5.00	5.05
PST	Shademaster III	5.33	5.00	4.83	5.02
PSG	SDHT	5.33	5.67	4.10	4.48
PSG	SHST	5.67	5.33	4.27	4.48
PSG	SDT	4.67	5.33	4.03	4.48
PSG	SG	5.33	5.33	4.17	4.33
PSG	Boreal	5.67	4.67	3.77	4.12
PSG	SHSM	8.00	5.67	3.67	4.09
SLENDER CREEPING RED FESCUE					
PPG	Navigator II	5.67	6.00	5.67	5.93
PSG	PSG 5RM	6.67	5.67	5.57	5.83
NexGen	ASR172	9.00	6.00	5.53	5.76
NexGen	ASR176	7.00	6.33	5.47	5.64
PST	4SEA	8.67	6.00	5.33	5.55
NexGen	ASR181	6.67	5.67	5.23	5.41
PST	Seabreeze GT	7.67	5.67	5.20	5.36
NexGen	ASR184	8.00	6.00	5.07	5.36
PSG	Oracle	5.67	4.67	3.90	4.36
PSG	07-1FF	6.00	4.67	3.57	3.95
	CV	10.21	9.08	6.63	5.25
	LSD (0.05)	1.06	0.74	0.48	0.39
	GRAND MEAN	7.73	6.07	5.36	5.47
	MIN. MEAN	4.67	4.67	3.57	3.95
	MAX. MEAN	9.00	8.00	6.27	6.12

Red Thread = 1-9; 9=Best

Wear = 1-9; 9=Most Resistant

Average Turf Quality 2013 = 1-9; 9=Best (7 ratings)

Average Turf Quality 2012-2103 = 1-9; 9=Best (14 ratings, 2 years of data)

CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: St. Paul, Minnesota
 Cooperator: Dr. Eric Watkins

2013 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)			
PPG	Beacon	6.44	6.28
PSG	3TH3	6.33	6.18
DLF	IS-FL46	6.11	6.05
PSG	Spartan II	5.94	5.90
PST	4HES	6.00	5.87
DLF	IS-FL47	6.06	5.85
PST	4BIL	5.34	5.67
DLF	IS-FL50	6.11	5.62
Rutgers	Firefly	5.67	5.54
PST	4NY	5.28	5.49
NexGen	AHF181	5.72	5.49
PSG	SR 3150	5.22	5.46
NexGen	AHF203	5.50	5.46
NexGen	AHF177	5.22	5.43
PSG	S2SE	5.72	5.36
PSG	3J2927	5.55	5.33
NexGen	AHF188	5.06	5.31
PPG	Blue Ray	5.11	5.15
PST	Bighorn GT	5.05	5.03
NexGen	AHF204	4.94	5.03
PST	Soil Guard	4.72	4.97
DLF	Eureka II	5.06	4.77
PSG	Azay Blue	4.22	4.43
DLF	IS-FL48	4.50	4.41
PSG	AZB	3.89	4.03
CHEWINGS FESCUE			
PSG	50C3	5.94	6.20
PST	4CHT	6.06	6.18
Rutgers	Intrigue II	6.22	6.13
DLF	IS-FRC36	6.00	6.08
NexGen	ACF277	6.34	5.97
PPG	PPG-FRC103	6.11	5.95
NexGen	ACF256	5.83	5.92
DLF	Longfellow II	5.89	5.75
NexGen	ACF283	6.00	5.69
DLF	IS-FRC37	5.94	5.64
PST	R4TC	5.83	5.56
PST	4CHY	5.50	5.54
PST	4SHR-CH	5.39	5.41
NexGen	ACF278	5.50	5.41
PPG	Radar	5.44	5.36
DLF	Wrigley 2	5.67	5.36
NexGen	Culumbra II	5.33	5.31
NexGen	ACF261	5.39	5.28
PST	Enchantment	5.44	5.28
PST	PST-4C30D	5.34	5.23
PSG	FC 09-2	5.61	5.23
DLF	Longfellow III	5.56	5.20
NexGen	Survivor (ACF266)	4.95	5.05
PSG	PSG SPRS	4.89	5.00
PPG	Koket	4.55	4.28

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE			
DLF	IS-FRR68C	6.00	6.05
PSG	OS2	5.72	5.87
DLF	IS-FRR65	6.05	5.85
NexGen	ASC313	5.83	5.72
PPG	PPG-FRR104	5.50	5.64
NexGen	ASC332	5.61	5.62
DLF	IS-FRR61	5.94	5.59
PST	4GRY	5.50	5.44
PST	Shademaster III	5.56	5.44
PPG	PPG-FRR105	5.45	5.44
NexGen	ASC319	5.50	5.43
PSG	Garnet	5.61	5.41
PST	4CR10-08	5.67	5.33
PST	4RED	5.28	5.31
NexGen	ASC333	5.28	5.28
PPG	Marvel (PPG-FRR106)	5.66	5.28
PSG	ORC 126	5.50	5.26
DLF	IS-FRR62	5.39	5.26
PPG	Gibraltar Gold (PPG-FRR102)	5.44	5.26
NexGen	Lustrous	5.33	5.23
PSG	5RJ1E	5.06	5.23
DLF	Cindy Lou	5.45	5.21
NexGen	Pennington ASC295	5.33	5.21
NexGen	ASC320	5.22	5.20
PST	4CRD-8	5.50	5.15
PPG	PPG-FRR103	5.33	5.15
NexGen	ASC323	5.17	5.08
PSG	5J51-15	5.39	5.05
PSG	5RJ1L	5.11	5.05
NexGen	ASC321	5.22	5.00
PST	4CRD-U	5.11	4.92
PST	4CRD-P	4.56	4.72
PSG	SDHT	4.78	4.31
PSG	SHST	4.78	4.23
PSG	SG	4.67	4.13
PSG	Boreal	4.67	4.08
PSG	SO	4.67	3.97
PSG	SDT	4.39	3.97
PSG	SHSM	4.28	3.85
SLENDER CREEPING RED FESCUE			
NexGen	ASR181	6.17	6.31
NexGen	ASR172	6.44	6.20
NexGen	ASR176	6.72	6.13
PST	4SEA	6.06	5.87
PPG	Navigator II	5.72	5.67
PSG	PSG 5RM	5.56	5.41
NexGen	ASR184	5.22	5.28
PST	Seabreeze GT	5.06	4.92
PSG	Oracle	4.72	4.26
PSG	07-1FF	4.33	3.69
	CV	9.15	8.68
	LSD (0.05)	0.67	0.62
	GRAND MEAN	5.43	5.30
	MIN. MEAN	3.89	3.69
	MAX. MEAN	6.72	6.31

Average Turf Quality 2013 = 1-9; 9=Best (6 ratings)

Average Turf Quality 2012-2013 = 1-9; 9=Best (13 ratings, 2 years of data)

CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: Adelphia, New Jersey
 Cooperator: Dr. Willam Meyer

2013 Data

Subjective Ratings

SPONSOR	CULTIVAR	Dollar Spot	Turf Quality Wear	Average Turf Quality 2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)					
NexGen	AHF203	7.67	8.00	6.22	6.51
Rutgers	Firefly	7.33	7.00	5.72	6.20
DLF	IS-FL47	7.33	8.00	6.28	6.08
Peak Genetics	Beacon	7.33	7.67	5.67	5.98
PSG	Spartan II	7.67	7.00	5.83	5.95
DLF	IS-FL46	7.67	7.67	5.67	5.80
PSG	SR 3150	7.67	8.00	5.72	5.75
NexGen	AHF204	7.33	7.33	5.28	5.69
PSG	S2SE	7.00	6.33	5.39	5.67
NexGen	AHF177	7.67	7.33	5.39	5.66
PST	4HES	6.00	5.33	5.22	5.64
NexGen	AHF181	7.67	8.33	5.83	5.62
PSG	3TH3	7.33	6.67	5.55	5.56
DLF	IS-FL50	7.67	7.00	5.44	5.54
NexGen	AHF188	7.33	7.00	5.11	5.51
Peak Genetics	Blue Ray	7.00	6.00	5.17	5.33
DLF	IS-FL48	7.33	8.33	5.05	5.31
PSG	3J2927	6.33	6.00	4.61	5.20
PST	4NY	8.00	5.33	5.22	5.18
PST	4BIL	7.33	5.33	4.94	5.18
PSG	AZB	7.00	6.00	4.56	4.72
PST	Soil Guard	7.33	4.33	4.39	4.56
DLF	Eureka II	7.00	5.67	5.06	4.54
PST	Bighorn GT	7.33	5.67	4.56	4.51
PSG	Azay Blue	6.67	6.33	4.50	4.36
CHEWINGS FESCUE					
NexGen	ACF277	7.67	6.33	5.33	6.05
DLF	IS-FRC36	7.33	5.67	5.28	5.87
PSG	50C3	5.67	4.67	4.67	5.64
NexGen	ACF283	7.67	5.33	5.28	5.46
Rutgers	Intrigue II	7.67	5.33	5.17	5.44
Peak Genetics	Radar	6.67	5.00	4.61	5.41
Peak Genetics	PPG-FRC103	7.67	6.33	4.95	5.33
PST	R4TC	7.67	5.00	5.05	5.26
DLF	IS-FRC37	7.67	4.33	4.83	5.21
DLF	Wrigley 2	8.00	4.67	5.22	5.20
NexGen	ACF261	5.67	4.00	4.61	5.13
NexGen	Survivor (ACF266)	7.67	5.33	4.44	5.13
NexGen	ACF278	7.00	5.00	4.28	5.00
PSG	FC 09-2	7.33	4.00	4.67	4.97
PST	4CHT	7.67	4.00	5.22	4.92
DLF	Longfellow II	7.33	4.33	4.39	4.87
DLF	Longfellow III	6.67	5.33	4.72	4.82
NexGen	ACF256	5.33	4.00	4.22	4.77
NexGen	Culumbra II	5.67	4.33	4.17	4.72
PST	4CHY	6.33	3.67	4.00	4.54
PST	PST-4C30D	6.00	3.00	4.17	4.49
PST	Enchantment	6.33	3.33	3.89	4.41
PST	4SHR-CH	7.00	4.33	4.33	4.15
PSG	PSG SPRS	6.67	4.67	4.44	3.95
Peak Genetics	Koket	8.00	3.00	4.06	3.59

Subjective Ratings

SPONSOR	CULTIVAR	Dollar Spot	Turf Quality Wear	Average Turf Quality 2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE					
Peak Genetics	Gibraltar Gold (PPG-FRR102)	7.67	5.00	5.33	5.82
Peak Genetics	Marvel (PPG-FRR106)	8.00	4.33	5.44	5.23
PSG	5J51-15	8.00	5.00	4.94	4.87
NexGen	Lustrous	8.00	4.00	4.44	4.69
NexGen	ASC320	6.33	3.33	4.17	4.64
Peak Genetics	PPG-FRR105	4.33	2.33	3.89	4.61
NexGen	Pennington ASC295	5.67	2.67	4.17	4.54
Peak Genetics	PPG-FRR103	3.33	1.67	3.34	4.33
NexGen	ASC319	6.00	3.00	4.06	4.33
DLF	IS-FRR68C	3.33	1.67	3.22	4.31
DLF	IS-FRR65	3.67	1.33	3.22	4.31
NexGen	ASC321	5.00	2.67	3.95	4.31
NexGen	ASC313	5.00	2.67	3.83	4.26
DLF	IS-FRR62	2.33	1.00	2.56	4.18
PSG	Garnet	3.33	1.33	3.33	4.15
NexGen	ASC323	6.33	2.67	4.28	4.02
NexGen	ASC332	2.33	1.67	3.33	4.02
NexGen	ASC333	5.33	3.33	3.39	3.95
PST	4GRY	3.00	2.00	3.17	3.92
PST	4CRD-U	2.67	1.00	3.11	3.90
PST	Shademaster III	3.00	1.33	2.94	3.90
PSG	5RJ1E	3.33	1.33	3.00	3.85
PSG	5RJ1L	2.00	1.00	2.50	3.84
PST	4CRD-8	3.00	1.00	3.00	3.82
DLF	IS-FRR61	2.33	1.00	2.50	3.82
PSG	OS2	2.67	1.67	2.89	3.69
Peak Genetics	PPG-FRR104	2.33	1.00	3.00	3.69
PST	4CR10-08	3.67	1.33	3.06	3.67
PST	4RED	3.67	1.67	2.89	3.64
DLF	Cindy Lou	3.00	1.33	2.89	3.59
PSG	ORC 126	2.67	1.33	3.00	3.51
PSG	SO	5.00	1.67	3.44	3.49
PST	4CRD-P	2.00	1.33	2.67	3.44
PSG	SDHT	5.00	1.33	3.28	3.26
PSG	SDT	5.33	1.67	2.94	3.20
PSG	SG	3.67	1.33	2.78	2.87
PSG	SHST	4.33	1.33	2.78	2.80
PSG	SHSM	3.67	1.33	2.61	2.79
PSG	Boreal	5.33	1.33	2.94	2.77
SLENDER CREEPING RED FESCUE					
NexGen	ASR172	8.00	5.00	4.95	5.23
NexGen	ASR184	7.33	5.00	4.78	5.00
NexGen	ASR181	7.33	5.00	4.72	4.69
PSG	PSG 5RM	2.33	1.33	2.84	4.33
Peak Genetics	Navigator II	2.00	1.00	2.72	3.87
PST	4SEA	3.33	1.33	2.55	3.82
NexGen	ASR176	2.00	1.00	2.22	3.74
PST	Seabreeze GT	4.33	1.67	3.11	3.59
PSG	Oracle	4.00	1.00	2.55	2.69
PSG	07-1FF	6.00	1.67	2.83	2.69
	CV	19.11	25.87	9.94	7.29
	LSD (0.05)	1.48	1.36	0.56	0.45
	GRAND MEAN	5.74	3.89	4.18	4.59
	MIN. MEAN	2.00	1.00	2.22	2.69
	MAX. MEAN	8.00	8.33	6.28	6.51

Dollar Spot = 1-9; 9=Most Resistant

Turf Quality Wear = 1-9; 9=Most Resistant

Average Turf Quality 2013 = 1-9; 9=Best (6 ratings)

Average Turf Quality 2012-2013 = 1-9; 9=Best (13 ratings, 2 years of data)

CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: Salem, New Jersey
 Cooperator: Steve Langlois

2013 Data

Digital Image Analysis Ratings

SPONSOR	CULTIVAR	Average Percent Green Cover 2013	Average Cover 2013	Average Genetic Color 2013	Average Density 2013	Average Turf Quality 2013	Average Percent Green Cover 2012-2013	Average Cover 2012-2013	Average Genetic Color 2012-2013	Average Density 2012-2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)											
Rutgers	Firefly	42.23	6.58	5.25	4.50	5.50	52.08	6.67	4.88	5.34	5.54
PST	4BIL	64.89	6.50	5.42	4.83	5.75	60.65	6.33	4.88	5.25	5.42
NexGen	AHF203	55.54	6.83	5.58	4.67	5.75	54.17	6.29	4.88	5.00	5.25
DLF	IS-FL47	41.89	6.33	5.17	4.42	5.33	48.02	6.17	4.63	5.17	5.17
NexGen	AHF181	52.55	6.08	4.33	4.00	4.67	58.29	6.67	4.30	5.05	5.17
DLF	IS-FL46	45.04	5.83	4.58	3.83	4.58	53.39	6.42	4.59	5.09	5.09
PSG	Azay Blue	45.75	5.83	5.17	3.42	4.67	48.46	6.00	5.00	4.63	5.00
PST	Soil Guard	46.09	6.08	5.17	3.42	4.92	41.20	6.13	4.84	4.59	5.00
NexGen	AHF188	52.44	6.08	5.58	4.08	5.33	49.25	5.80	4.75	4.55	4.92
PST	4HES	47.39	6.25	4.42	4.33	4.92	52.78	6.17	4.25	5.13	4.92
PST	4NY	52.14	6.08	4.83	4.50	5.00	52.49	5.80	4.46	5.17	4.84
PPG	Blue Ray	40.08	6.08	4.92	3.75	4.83	47.29	5.96	4.55	4.75	4.79
PSG	3J2927	50.89	5.75	4.42	3.08	4.33	51.93	6.04	4.29	4.42	4.75
NexGen	AHF204	36.91	5.67	4.42	4.00	4.58	46.72	5.84	4.21	4.75	4.71
DLF	IS-FL50	53.92	5.58	4.25	3.92	4.33	54.08	5.67	4.09	5.00	4.63
PSG	S2SE	48.00	5.58	4.42	3.92	4.50	53.35	5.63	4.13	4.96	4.63
PST	Bighorn GT	55.70	5.92	4.67	3.50	4.58	53.80	5.67	4.42	4.38	4.63
NexGen	AHF177	47.33	5.58	4.83	3.67	4.50	46.53	5.84	4.38	4.38	4.59
PSG	AZB	40.77	5.58	5.17	2.92	4.42	44.14	5.55	4.84	3.96	4.46
PSG	3TH3	61.58	5.50	4.33	4.00	4.42	62.07	5.38	3.96	4.67	4.38
PSG	Spartan II	51.53	5.33	4.25	3.50	4.00	53.18	5.42	4.04	4.63	4.38
PSG	SR 3150	40.27	5.08	3.83	3.92	3.92	47.43	5.29	3.79	5.04	4.34
DLF	IS-FL48	38.50	5.25	3.92	3.33	3.83	49.36	5.46	3.92	4.25	4.21
DLF	Eureka II	47.85	5.08	4.58	3.42	4.17	48.60	4.83	4.21	4.42	4.17
PPG	Beacon	42.30	5.83	3.92	3.17	4.08	49.19	5.71	3.71	3.83	4.04
CHEWINGS FESCUE											
PSG	50C3	48.63	6.42	4.83	4.25	5.17	56.02	6.63	4.58	5.04	5.34
NexGen	ACF256	53.76	6.50	5.00	4.42	5.42	54.14	6.21	4.46	5.34	5.29
DLF	IS-FRC37	51.14	6.25	5.17	4.33	5.25	54.13	6.17	4.83	4.92	5.13
DLF	Wrigley 2	48.28	6.50	4.75	3.83	5.00	55.18	6.59	4.46	4.67	5.13
DLF	Longfellow III	45.33	6.17	4.83	4.00	4.92	52.13	6.25	4.54	5.00	5.04
DLF	IS-FRC36	61.39	6.50	5.00	4.25	5.33	59.31	6.00	4.46	4.63	4.92
NexGen	ACF277	42.76	6.33	4.75	3.75	4.92	52.59	6.09	4.59	4.58	4.92
PSG	FC 09-2	53.03	6.25	4.67	3.92	4.92	55.05	6.00	4.38	4.71	4.88
DLF	Longfellow II	52.74	6.08	5.08	4.33	5.25	50.75	5.83	4.42	4.80	4.83
PST	Enchantment	47.19	6.17	4.50	3.83	4.75	47.87	6.13	4.29	4.54	4.75
PST	PST-4C30D	52.29	5.67	4.75	4.33	4.92	55.09	5.38	4.42	4.84	4.71
PST	4CHY	53.94	5.75	5.00	4.08	4.92	52.71	5.33	4.59	4.67	4.67
PPG	Koket	45.22	5.92	4.50	4.58	4.92	44.47	5.80	3.96	4.84	4.63
NexGen	Survivor (ACF266)	43.01	5.67	5.08	3.67	4.75	45.70	5.50	4.67	4.38	4.59
Rutgers	Intrigue II	60.66	6.33	4.75	3.67	4.83	59.07	6.04	4.38	4.25	4.58
NexGen	ACF278	50.72	5.58	5.42	4.00	4.83	42.35	5.04	4.67	4.88	4.54
NexGen	ACF283	55.45	6.00	5.00	3.92	4.92	52.82	5.50	4.46	4.63	4.54
PST	4CHT	46.25	5.92	4.92	4.08	4.92	45.69	5.50	4.38	4.59	4.54
NexGen	Culumbra II	60.88	6.50	4.92	3.92	5.00	55.69	5.84	4.42	4.46	4.54
PPG	PPG-FRC103	56.71	5.92	4.42	3.25	4.42	55.51	5.71	4.13	4.04	4.33
NexGen	ACF261	45.44	5.17	4.58	3.50	4.17	42.35	5.04	4.25	4.63	4.29
PSG	PSG SPRS	55.08	5.75	4.08	3.58	4.25	53.92	5.50	4.00	4.29	4.29
PST	R4TC	34.74	6.17	4.08	3.50	4.42	44.66	5.54	3.67	4.13	4.13
PPG	Radar	50.85	5.50	4.67	3.33	4.33	50.23	5.21	4.25	4.04	4.13
PST	4SHR-CH	43.97	5.83	4.58	3.58	4.42	44.85	5.13	4.04	4.00	4.00

Digital Image Analysis Ratings

SPONSOR	CULTIVAR	Average Percent Green Cover 2013	Average Cover 2013	Average Genetic Color 2013	Average Density 2013	Average Turf Quality 2013	Average Percent Green Cover 2012-2013	Average Cover 2012-2013	Average Genetic Color 2012-2013	Average Density 2012-2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE											
NexGen	ASC333	56.99	6.17	5.92	5.17	6.08	50.87	6.04	5.09	5.92	5.67
PPG	Gibraltar Gold (PPG-FRR102)	52.05	6.42	5.00	4.75	5.33	57.60	6.30	4.67	5.75	5.42
PSG	5RJ1E	54.86	6.17	5.50	4.75	5.50	51.30	6.08	4.88	5.54	5.38
DLF	IS-FRR62	47.80	6.33	5.50	4.50	5.42	45.94	6.21	4.92	5.42	5.34
PSG	Garnet	46.29	6.08	5.75	4.83	5.67	42.63	5.63	4.96	5.54	5.30
PPG	Marvel (PPG-FRR106)	63.63	6.00	5.17	5.17	5.50	60.30	6.08	4.59	5.71	5.29
NexGen	Lustrous	60.49	5.92	5.58	4.25	5.25	55.06	6.25	4.92	5.34	5.29
DLF	IS-FRR68C	52.74	6.25	4.92	4.75	5.25	51.52	6.17	4.59	5.63	5.25
PPG	PPG-FRR104	58.68	6.17	5.00	4.58	5.33	58.16	6.00	4.71	5.42	5.25
PSG	5RJ1L	40.86	6.25	5.58	4.58	5.58	43.19	5.79	4.96	5.38	5.25
PST	4CR10-08	51.49	6.58	4.75	4.58	5.33	55.23	6.54	4.46	5.21	5.25
PPG	PPG-FRR103	51.33	5.92	5.08	5.00	5.58	51.11	5.92	4.67	5.21	5.21
NexGen	ASC319	57.44	6.08	5.08	4.17	5.17	58.97	6.17	4.71	5.04	5.17
PST	4CRD-8	43.46	6.08	5.17	4.17	5.17	40.07	5.92	4.67	5.25	5.09
PSG	OS2	45.68	6.17	4.83	4.42	5.17	54.05	5.96	4.46	5.00	4.96
PST	Shademaster III	38.91	6.25	4.58	4.08	4.92	48.71	6.29	4.34	4.84	4.96
DLF	IS-FRR61	52.29	6.58	5.25	3.58	5.08	48.92	6.13	4.67	4.75	4.96
PSG	SHSM	51.73	6.33	4.92	4.17	5.08	55.72	6.21	4.46	4.67	4.92
PSG	5J51-15	49.09	6.17	4.83	4.00	4.83	53.22	6.09	4.38	4.92	4.88
NexGen	ASC323	63.23	5.83	4.83	4.50	5.08	59.30	5.58	4.46	5.21	4.84
DLF	IS-FRR65	50.23	6.25	4.50	3.67	4.75	50.53	6.38	4.09	4.67	4.83
PST	4CRD-U	46.49	5.67	5.25	4.17	5.00	44.25	5.38	4.63	4.92	4.71
NexGen	ASC320	52.03	6.00	4.50	4.00	4.67	56.53	5.75	4.21	4.75	4.67
NexGen	ASC321	50.34	5.33	4.42	3.67	4.25	56.18	5.59	4.34	4.75	4.63
PST	4GRY	51.40	5.33	4.58	4.17	4.50	50.82	5.29	4.25	4.96	4.55
DLF	Cindy Lou	36.04	5.17	4.67	3.58	4.33	41.93	5.21	4.46	4.58	4.50
PSG	Boreal	48.14	5.75	4.92	3.67	4.58	50.67	5.79	4.54	4.17	4.50
PST	4CRD-P	49.31	5.50	5.00	3.17	4.50	47.69	5.17	4.58	4.30	4.46
PSG	SG	49.86	5.33	4.50	4.58	4.75	48.57	4.79	4.13	5.25	4.46
PPG	PPG-FRR105	55.65	5.67	4.25	3.75	4.42	51.92	5.54	3.96	4.83	4.46
PST	4RED	53.89	5.92	3.83	3.92	4.33	58.45	5.84	3.75	4.58	4.42
NexGen	ASC313	53.91	5.17	3.92	3.83	4.08	57.21	5.29	3.88	4.92	4.42
NexGen	Pennington ASC295	48.37	5.50	5.17	3.58	4.67	44.70	5.34	4.54	4.29	4.42
PSG	SDHT	44.59	5.17	4.75	3.92	4.50	43.86	4.84	4.29	4.88	4.38
PSG	ORC 126	52.58	5.58	4.33	3.67	4.42	48.17	5.25	3.92	4.55	4.25
PSG	SO	41.52	4.83	4.50	3.33	4.00	42.48	4.84	4.29	4.55	4.25
NexGen	ASC332	56.26	5.50	4.25	3.50	4.08	55.13	5.09	3.88	4.42	4.08
PSG	SDT	51.10	5.33	4.17	3.67	4.17	48.09	4.79	3.88	4.50	4.00
PSG	SHST	47.24	5.17	4.17	3.50	4.08	44.49	4.75	3.84	4.34	3.96
SLENDER CREEPING RED FESCUE											
PSG	PSG 5RM	59.22	6.33	5.42	3.92	5.17	57.58	6.09	4.92	5.00	5.13
NexGen	ASR172	54.96	6.25	5.33	4.08	5.17	56.01	6.34	4.84	4.79	5.13
PST	4SEA	55.74	6.33	5.17	4.33	5.17	57.59	6.13	4.63	5.04	5.09
PPG	Navigator II	58.60	6.00	5.25	4.17	5.08	52.30	5.83	4.79	5.00	5.00
NexGen	ASR181	54.98	6.33	4.75	4.08	5.17	48.89	5.92	4.34	5.00	4.96
PSG	07-1FF	51.38	5.58	4.92	4.33	5.00	46.92	5.13	4.34	4.88	4.54
NexGen	ASR176	28.73	5.42	4.00	3.75	4.17	39.70	5.75	3.84	4.71	4.50
PST	Seabreeze GT	38.58	5.75	3.92	3.17	3.92	42.94	6.25	3.88	4.34	4.42
NexGen	ASR184	54.58	5.67	4.25	4.00	4.50	54.81	5.50	3.96	4.50	4.38
PSG	Oracle	50.64	5.25	4.58	3.75	4.42	47.81	4.92	3.96	4.59	4.17
	CV	21.04	10.71	13.70	21.06	15.27	15.48	12.49	10.64	13.88	12.78
	LSD (0.05)	14.19	0.85	0.88	1.13	0.99	10.65	0.97	0.63	0.90	0.82
	GRAND MEAN	49.96	5.90	4.78	3.99	4.81	51.00	5.77	4.40	4.80	4.76
	MIN. MEAN	28.73	4.83	3.83	2.92	3.83	39.70	4.75	3.67	3.83	3.96
	MAX. MEAN	64.89	6.83	5.92	5.17	6.08	62.07	6.67	5.09	5.92	5.67

Average Percent Green Cover 2013 = 1-100; 100=Most Cover (2 ratings)
 Average Cover 2013 = 1-9; 9=Most Cover (2 ratings)
 Average Density 2013 = 1-9; 9=Most Dense (2 ratings)
 Average Genetic Color 2013 = 1-9; 9=Darkest (2 ratings)
 Average Turf Quality 2013 = 1-9; 9=Best (2 ratings)
 Average Percent Green Cover 2012-2013 = 1-100; 100=Most Cover (4 ratings, 2 years of data)
 Average Cover 2012-2013 = 1-9; 9=Most Cover (4 ratings, 2 years of data)
 Average Density 2012-2013 = 1-9; 9=Most Dense (4 ratings, 2 years of data)
 Average Genetic Color 2012-2013 = 1-9; 9=Darkest (4 ratings, 2 years of data)
 Average Turf Quality 2012-2013 = 1-9; 9=Best (4 ratings, 2 years of data)

CTBT: 2010 Trial
 Tall Fescue Turf Trial
 Location: Rolesville, North Carolina
 Cooperator: Dr. Melodee Fraser

2013 Data

Subjective Data

SPONSOR	CULTIVAR	Brown Patch	Average Turf Quality 2013	Average Turf Quality 2011-2013
Peak Genetics	PPG-TF 106	6.33	7.22	6.50
Pure Seed	Cumberland (PST-5R20)	5.67	7.00	6.21
Pure Seed	PST-5MCD	5.00	6.11	5.81
Peak Genetics	PPG-TF 105	6.33	5.33	5.78
Pure Seed	PST-5GRB	6.00	7.78	5.68
Pure Seed	PST-5R05	6.00	4.78	5.60
NexGen	ATF1549	6.33	6.22	5.42
NexGen	ATF1567	4.00	5.78	5.35
Pure Seed	PST-5MVD	5.67	6.11	5.34
Pure Seed	RainDance (PST-5SDT)	6.67	5.89	5.33
Pure Seed	PST-5BGR	4.67	5.22	5.28
DLF	IS-TF 224	6.00	5.44	5.23
NexGen	ATF1610	5.33	5.56	5.20
NexGen	ATF1618	4.67	5.45	5.17
NexGen	ATF1612	5.00	5.78	5.08
NexGen	ATF1569	5.33	5.67	5.06
Pure Seed	PST-5DKB	5.00	5.33	5.00
NexGen	ATF1548	5.33	6.00	4.96
Peak Genetics	PPG-TF 115	5.00	5.11	4.92
NexGen	ATF1609	5.00	4.89	4.90
NexGen	ATF1550	5.33	4.67	4.90
DLF	IS-TF 226	6.33	6.00	4.81
NexGen	ATF1611	4.33	5.11	4.76
NexGen	ATF1570	6.33	5.56	4.71
Pure Seed	PST-5SLV	5.33	5.11	4.68
NexGen	ATF1619	6.33	5.00	4.68
NexGen	ATF1566	6.67	5.33	4.61
NexGen	ATF1608	5.00	6.44	4.58
NexGen	ATF1620	5.67	5.11	4.54
NexGen	ATF1621	5.00	5.67	4.54
Peak Genetics	PPG-TF 116	7.33	6.56	4.50
Pure Seed	PST-5SDS	4.67	5.33	4.50
NexGen	ATF1551	4.67	4.67	4.48
NexGen	ATF1613	6.33	6.78	4.46
NexGen	ATF1547	6.33	5.00	4.43
Pure Seed	PST-5YMY	5.33	5.67	4.42
NexGen	ATF1571	7.33	6.22	4.40
Pure Seed	Tarnation (PST-5T8E)	5.33	4.34	4.28
DLF	IS-TF 227	6.00	4.78	4.27
Pure Seed	PST-5DRP	5.33	4.67	4.20
DLF	IS-TF 219	6.67	4.44	4.18
Peak Genetics	PPG-TF 102	5.33	5.44	4.12
Pure Seed	PST-5V4	4.33	3.44	4.11
NexGen	ATF1614	4.33	5.33	4.06
PSG	PSG 07-5	5.33	4.45	4.04
DLF	IS-TF 234C	5.00	4.67	4.03
Pure Seed	PST-5FDR	4.33	3.78	4.00
DLF	IS-TF 231C	5.00	4.33	3.96
Pure Seed	Inspiration (PST-R5NW)	5.33	4.56	3.96
NexGen	Penn 1901	4.67	4.00	3.89
DLF	IS-TF 215	5.33	4.45	3.87
NexGen	ATF1568	5.33	4.22	3.86
DLF	IS-TF 223	4.67	4.11	3.86
Peak Genetics	Raptor II	3.33	3.55	3.83
Pure Seed	Gazelle II	4.33	4.11	3.77
Pure Seed	PST-5SXR	5.33	4.00	3.72
Pure Seed	Coronado TDH	4.67	4.22	3.71

Subjective Data

SPONSOR	CULTIVAR	Brown Patch	Average Turf Quality 2013	Average Turf Quality 2011-2013
Peak Genetics	PPG-TF 101	5.00	4.34	3.70
Pure Seed	PST-5LIV	5.33	3.89	3.67
PSG	PSG 07-9	5.67	4.00	3.65
Rutgers	Shenandoah III	5.33	3.67	3.63
NexGen	Rebel Exeda	7.00	4.89	3.61
DLF	IS-TF 233C	6.00	4.45	3.58
Rutgers	LW	5.00	4.22	3.57
Peak Genetics	PPG-TF 117	4.00	4.00	3.56
Pure Seed	PST-5AWT	5.00	4.11	3.53
Rutgers	Rhambler	5.67	4.22	3.46
DLF	IS-TF 230B	5.00	3.22	3.40
DLF	IS-TF 225	4.67	3.67	3.35
Pure Seed	PST-5DVD-07	4.33	3.00	3.35
Peak Genetics	Titanium LS	3.33	3.67	3.33
PSG	PSG 82BPRH	4.00	3.00	3.33
Pure Seed	Wolfpack II	3.33	3.89	3.31
Peak Genetics	Spyder LS	4.00	3.44	3.29
Rutgers	Falcon IV	5.00	3.56	3.24
Rutgers	Traverse	5.00	2.67	3.24
NexGen	ATF1491	4.33	3.67	3.21
Rutgers	Falcon V	5.33	3.22	3.21
PSG	STR 86QRH	4.67	3.11	3.18
DLF	IS-TF 217	5.00	3.11	3.18
PSG	PSG 8SP1	6.00	3.33	3.17
PSG	PSG 8308	5.00	2.67	3.15
PSG	Corona	7.00	3.22	3.07
Pure Seed	PST-5SIS	4.00	2.11	3.06
Rutgers	Finelawn Xpress	5.00	2.55	3.04
PSG	PSG 709509	4.67	2.67	3.04
Rutgers	3rd Millennium	4.33	2.45	3.03
PSG	Mustang 4	4.00	2.33	3.03
Rutgers	Shenandoah Elite	4.00	2.67	3.02
PSG	PSG 08-6	5.67	3.00	3.02
PSG	PSG3905	6.00	2.22	2.97
Peak Genetics	Firecracker LS	2.33	3.11	2.93
Rutgers	FCE3	4.67	2.67	2.89
PSG	Crossfire 3	3.33	2.55	2.89
DLF	IS-TF 197	4.00	1.89	2.87
PSG	PSG 6008	5.00	2.44	2.82
PSG	PSG 8GRTR	3.33	2.22	2.81
PSG	PSG 5908	-9.00	2.00	2.78
DLF	Bullseye	5.00	2.45	2.68
Rutgers	Catalyst	6.00	2.00	2.68
Pure Seed	PST-5SXD	3.67	2.44	2.67
DLF	Essential	2.00	2.11	2.66
Rutgers	6351	4.00	1.78	2.55
Peak Genetics	KY-31	4.67	2.00	2.15
	CV	24.04	19.98	14.63
	LSD (0.05)	1.65	1.14	0.78
	GRAND MEAN	5.08	4.25	3.97
	MIN. MEAN	2.00	1.78	2.15
	MAX. MEAN	7.33	7.78	6.50

Brown Patch = 1-9; 9=Most Resistant

Turf Quality 2013 = 1-9; 9=Best (3 ratings)

Turf Quality 2011-2013 = 1-9; 9=Best (24 ratings, 3 years of data)

CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: Rolesville, North Carolina
 Cooperator: Dr. Melodee Fraser

2013 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)			
DLF	IS-FL48	4.47	5.81
NexGen	AHF177	5.00	5.52
NexGen	AHF203	3.67	5.47
PSG	Spartan II	4.27	5.43
PPG	Blue Ray	3.87	5.38
PSG	3TH3	3.87	5.26
DLF	IS-FL50	4.27	5.24
NexGen	AHF181	3.53	5.14
PSG	3J2927	3.67	5.14
DLF	IS-FL47	3.27	5.14
PST	Bighorn GT	4.33	5.09
PPG	Beacon	3.53	5.00
Rutgers	Firefly	3.53	4.88
NexGen	AHF188	3.73	4.88
PSG	SR 3150	4.13	4.79
PSG	AZB	3.87	4.74
NexGen	AHF204	3.20	4.69
PST	4HES	3.20	4.66
DLF	IS-FL46	2.20	4.50
PST	4BIL	2.87	4.38
PSG	Azay Blue	2.80	4.36
PST	4NY	2.93	4.10
PST	Soil Guard	2.47	3.88
PSG	S2SE	2.07	3.86
DLF	Eureka II	2.40	3.50
CHEWINGS FESCUE			
DLF	Longfellow III	6.13	5.55
PPG	Radar	5.33	5.43
Rutgers	Intrigue II	5.47	5.36
PPG	PPG-FRC103	5.87	5.36
DLF	Wrigley 2	5.20	5.31
NexGen	ACF283	5.80	5.24
NexGen	ACF261	5.73	5.21
NexGen	ACF277	5.80	5.17
DLF	IS-FRC36	5.20	5.15
PST	R4TC	5.33	5.00
PSG	50C3	4.73	4.88
PSG	FC 09-2	5.20	4.83
NexGen	ACF256	4.87	4.81
NexGen	ACF278	5.60	4.76
DLF	IS-FRC37	4.47	4.67
NexGen	Survivor (ACF266)	5.13	4.67
DLF	Longfellow II	4.80	4.57
PST	4CHT	4.27	4.55
PST	PST-4C30D	4.67	4.45
PST	4CHY	4.73	4.36
PSG	PSG SPRS	4.13	4.36
NexGen	Culumbra II	4.87	4.36
PST	Enchantment	3.67	4.24
PST	4SHR-CH	4.33	4.07
PPG	Koket	3.00	2.88

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE			
PPG	Gibraltar Gold (PPG-FRR102)	4.60	4.64
NexGen	ASC313	4.27	4.33
NexGen	ASC320	4.27	4.12
NexGen	Pennington ASC295	4.07	4.05
PPG	Marvel (PPG-FRR106)	4.53	4.00
NexGen	ASC332	3.40	3.76
PSG	OS2	3.33	3.76
PSG	5J51-15	3.53	3.69
PPG	PPG-FRR105	3.67	3.60
DLF	IS-FRR65	2.80	3.55
DLF	IS-FRR68C	2.60	3.41
NexGen	ASC323	4.40	3.33
NexGen	Lustrous	3.40	3.31
NexGen	ASC321	3.07	3.31
DLF	IS-FRR61	2.40	3.31
NexGen	ASC333	2.80	3.17
NexGen	ASC319	3.00	3.14
PSG	5RJ1E	2.07	3.10
DLF	IS-FRR62	2.53	3.10
PSG	ORC 126	2.73	3.07
PSG	5RJ1L	2.40	3.07
PST	4GRY	2.93	3.07
PPG	PPG-FRR103	2.53	2.93
PST	4RED	2.60	2.88
PSG	Garnet	2.00	2.76
PST	4CRD-8	2.00	2.60
PPG	PPG-FRR104	1.67	2.57
PST	4CRD-U	2.20	2.52
PSG	SO	2.07	2.45
DLF	Cindy Lou	1.73	2.45
PST	Shademaster III	1.40	2.41
PST	4CRD-P	1.73	2.40
PST	4CR10-08	1.80	2.36
PSG	SDT	1.87	2.17
PSG	SG	1.60	1.90
PSG	SDHT	1.27	1.69
PSG	SHSM	1.00	1.62
PSG	SHST	1.20	1.57
PSG	Boreal	1.00	1.45
SLENDER CREEPING RED FESCUE			
NexGen	ASR172	5.00	4.79
NexGen	ASR184	4.20	4.03
NexGen	ASR181	3.80	3.88
PSG	PSG 5RM	2.60	3.47
PPG	Navigator II	2.40	3.09
NexGen	ASR176	1.53	2.93
PST	4SEA	2.00	2.62
PST	Seabreeze GT	1.67	2.41
PSG	07-1FF	1.00	1.62
PSG	Oracle	1.00	1.62
	CV	25.23	14.17
	LSD (0.05)	1.17	0.75
	GRAND MEAN	3.43	3.91
	MIN. MEAN	1.00	1.45
	MAX. MEAN	6.13	5.81

Average Turf Quality 2013 = 1-9; 9=Best (5 ratings)

Average Turf Quality 2012-2013 = 1-9; 9=Best (14 ratings, 2 years of data)

CTBT: 2011 Trial
 Fine Fescue Turf Trial
 Location: Albany, Oregon
 Cooperator: Kenneth Hignight

2013 Data

Digital Image Analysis Ratings

SPONSOR	CULTIVAR	Average Cover 2013	Average Genetic Color 2013	Average Density 2013	Average Turf Quality 2013	Average Cover 2012-2013	Average Genetic Color 2012-2013	Average Density 2012-2013	Average Turf Quality 2012-2013
HARD FESCUE (SHEEP)									
PSG	Azay Blue	8.00	7.17	6.89	7.00	20.45	6.78	5.80	6.50
PSG	AZB	8.17	7.11	6.56	6.89	14.23	6.58	5.27	6.03
DLF	IS-FL46	8.44	6.00	6.61	6.56	20.57	5.69	5.53	5.97
PPG	Blue Ray	8.17	6.67	6.78	6.72	12.73	6.11	5.43	5.80
NexGen	AHF188	8.50	6.39	6.61	6.72	13.20	5.78	5.30	5.77
DLF	IS-FL50	8.39	5.94	6.50	6.39	20.52	5.67	5.47	5.70
PST	Bighorn GT	7.56	7.39	5.72	6.39	13.89	6.50	4.87	5.63
PSG	3J2927	8.39	6.06	6.56	6.50	14.32	5.53	5.40	5.60
Rutgers	Firefly	8.39	5.89	6.67	6.44	18.15	5.44	5.50	5.53
DLF	IS-FL47	8.05	5.89	6.56	6.28	17.22	5.50	5.33	5.53
PSG	3TH3	8.17	5.78	6.50	6.28	18.02	5.42	5.30	5.50
NexGen	AHF203	8.06	5.78	6.34	6.17	19.61	5.33	5.20	5.50
PSG	Spartan II	8.22	5.89	6.39	6.28	10.73	5.56	5.17	5.47
DLF	IS-FL48	8.39	5.78	6.72	6.39	13.38	5.36	5.47	5.47
NexGen	AHF181	8.11	5.78	6.55	6.22	14.78	5.25	5.53	5.45
PSG	S2SE	7.89	5.78	6.28	6.00	17.17	5.42	5.27	5.40
NexGen	AHF177	8.11	5.89	6.55	6.17	13.87	5.42	5.40	5.40
PST	4HES	8.11	5.61	6.28	6.00	16.49	5.39	5.27	5.33
NexGen	AHF204	7.89	5.72	6.50	6.05	16.94	5.33	5.37	5.33
PPG	Beacon	8.28	5.78	6.45	6.28	14.63	5.25	5.27	5.33
PST	4BIL	7.50	6.22	6.05	6.06	11.60	5.64	4.93	5.20
PST	4NY	8.11	5.72	5.94	5.89	12.12	5.47	4.93	5.17
PST	Soil Guard	7.50	6.28	6.00	5.83	14.11	5.72	4.97	5.03
PSG	SR 3150	8.11	5.44	5.83	5.78	11.54	4.83	4.73	4.80
DLF	Eureka II	6.67	6.22	5.67	5.39	10.89	5.86	4.63	4.73
CHEWINGS FESCUE									
PSG	50C3	8.50	6.33	6.33	6.67	20.14	6.28	5.63	6.50
NexGen	Culumbra II	8.61	6.28	6.39	6.50	22.33	6.42	5.70	6.47
NexGen	Survivor (ACF266)	8.72	6.50	6.44	6.72	21.60	6.33	5.50	6.37
DLF	IS-FRC36	8.61	6.17	6.45	6.56	20.66	6.06	5.70	6.30
DLF	Longfellow III	8.55	5.89	6.45	6.50	21.11	6.00	5.80	6.27
NexGen	ACF278	8.61	6.39	6.00	6.45	22.37	6.39	5.33	6.27
DLF	IS-FRC37	8.67	6.33	6.11	6.50	22.60	6.22	5.37	6.23
NexGen	ACF256	8.67	5.94	5.89	6.28	22.34	6.17	5.40	6.17
PPG	PPG-FRC103	8.67	6.11	6.28	6.56	19.58	5.91	5.47	6.10
PPG	Radar	8.56	5.78	6.06	6.11	21.58	5.94	5.67	6.10
NexGen	ACF261	8.33	6.11	6.06	6.17	21.11	6.19	5.43	6.07
NexGen	ACF283	8.39	5.94	6.00	6.22	20.07	6.06	5.40	6.07
PSG	FC 09-2	8.50	5.89	6.00	6.11	21.61	5.80	5.47	5.97
NexGen	ACF277	8.39	6.06	5.83	6.05	21.56	5.92	5.27	5.93
DLF	Longfellow II	8.33	5.78	6.00	6.00	22.58	5.94	5.47	5.90
PST	Enchantment	8.78	5.72	5.72	6.00	22.78	5.67	5.03	5.70
DLF	Wrigley 2	8.39	5.61	5.55	5.72	22.58	5.61	5.17	5.70
PSG	PSG SPRS	8.44	5.22	6.17	5.94	21.75	5.22	5.40	5.67
Rutgers	Intrigue II	8.45	5.56	5.72	5.78	20.49	5.50	5.17	5.63
PST	4SHR-CH	8.61	5.45	5.44	5.83	21.76	5.28	4.77	5.43
PST	4CHT	8.72	5.39	5.33	5.67	17.85	5.25	4.67	5.37
PST	4CHY	8.83	4.61	5.94	5.50	20.15	4.61	5.50	5.37
PST	PST-4C30D	8.17	5.45	5.50	5.61	21.88	5.45	4.90	5.33
PST	R4TC	8.39	4.89	5.61	5.33	20.27	4.86	5.17	5.23
PPG	Koket	8.33	4.94	5.72	5.56	17.65	4.53	4.90	4.90

Digital Image Analysis Ratings

SPONSOR	CULTIVAR	Average Cover 2013	Average Genetic Color 2013	Average Density 2013	Average Turf Quality 2013	Average Cover 2012-2013	Average Genetic Color 2012-2013	Average Density 2012-2013	Average Turf Quality 2012-2013
STRONG CREEPING RED FESCUE									
PSG	OS2	8.33	6.56	8.00	7.39	20.32	6.31	6.97	6.97
PPG	Gibraltar Gold (PPG-FRR102)	8.22	6.50	7.78	7.11	20.38	6.28	6.87	6.83
PSG	5RJ1E	8.06	6.61	7.89	7.17	20.29	6.28	7.00	6.77
DLF	IS-FRR61	8.33	6.33	7.61	7.11	20.17	6.06	6.73	6.70
DLF	IS-FRR68C	8.39	6.33	7.89	7.17	19.31	5.86	6.70	6.63
NexGen	ASC321	8.17	6.72	7.56	7.17	18.63	6.34	6.57	6.63
PST	4CRD-P	8.22	6.28	7.89	7.17	18.23	5.92	6.93	6.60
PSG	5RJ1L	7.94	6.61	7.78	7.00	18.86	6.16	6.80	6.60
PPG	PPG-FRR103	8.11	6.22	7.56	6.95	20.46	6.00	6.63	6.60
PST	Shademaster III	7.95	6.17	7.72	6.89	19.75	5.92	6.87	6.57
PSG	Garnet	8.00	6.56	7.67	7.06	16.81	6.08	6.53	6.53
PSG	5J51-15	7.56	6.61	8.11	7.06	17.55	6.25	6.97	6.53
PPG	PPG-FRR105	8.22	6.28	7.39	7.00	18.26	5.94	6.50	6.53
PST	4CRD-8	7.89	6.28	7.67	6.89	19.29	5.86	6.77	6.50
DLF	Cindy Lou	8.22	6.06	7.83	6.89	21.31	5.75	6.87	6.50
DLF	IS-FRR65	8.33	6.28	7.50	7.00	18.65	6.05	6.47	6.50
NexGen	ASC313	8.17	6.11	7.72	6.83	19.54	5.80	6.70	6.47
PPG	PPG-FRR104	8.00	6.22	7.72	6.83	20.13	5.86	6.83	6.47
NexGen	Lustrous	8.22	6.67	7.72	7.11	16.57	6.11	6.50	6.43
NexGen	ASC333	8.06	6.33	7.61	6.94	18.66	5.89	6.57	6.43
PST	4CR10-08	8.11	6.56	7.67	7.05	19.40	6.06	6.53	6.40
DLF	IS-FRR62	7.83	6.33	7.39	6.78	20.66	6.00	6.50	6.37
NexGen	ASC319	8.33	6.39	7.17	6.89	17.91	6.11	6.10	6.37
NexGen	ASC332	8.06	6.33	7.00	6.72	18.93	6.08	6.13	6.33
PST	4CRD-U	8.22	6.22	7.05	6.61	19.79	5.78	6.27	6.27
PSG	SO	8.05	5.89	7.72	6.72	19.43	5.44	6.67	6.23
PSG	ORC 126	7.78	5.78	7.50	6.56	18.31	5.45	6.50	6.13
PPG	Marvel (PPG-FRR106)	8.11	6.17	7.33	6.84	16.41	5.80	6.23	6.13
NexGen	ASC320	8.05	6.16	6.94	6.61	17.19	5.81	5.93	6.10
PST	4RED	8.06	6.61	7.00	6.67	19.23	6.03	5.97	6.07
PST	4GRY	8.05	6.00	7.61	6.78	14.52	5.64	6.30	6.03
NexGen	ASC323	8.22	6.17	7.28	6.72	15.17	5.80	6.03	6.03
PSG	SHSM	7.89	5.44	7.56	6.39	20.44	5.09	6.60	5.93
PSG	SDT	7.78	5.61	7.50	6.39	16.94	5.28	6.40	5.93
NexGen	Pennington ASC295	8.22	6.34	6.17	6.28	18.71	6.14	5.37	5.90
PSG	SDHT	7.61	5.33	7.44	6.22	18.29	5.11	6.50	5.80
PSG	Boreal	8.00	5.45	7.39	6.28	17.73	5.03	6.33	5.80
PSG	SHST	7.83	5.39	7.17	6.06	14.75	4.92	6.17	5.60
PSG	SG	7.28	5.39	7.11	5.94	18.05	5.03	6.27	5.60
SLENDER CREEPING RED FESCUE									
PSG	PSG 5RM	8.11	6.67	7.72	7.17	18.76	6.33	6.80	6.73
PPG	Navigator II	7.89	6.44	7.56	6.83	19.50	6.06	6.77	6.60
NexGen	ASR184	8.11	5.94	6.78	6.39	20.08	5.67	5.93	6.03
NexGen	ASR176	8.72	5.72	6.39	6.33	19.55	5.36	5.67	5.90
NexGen	ASR172	8.33	5.78	6.00	6.11	20.46	5.47	5.30	5.80
PSG	Oracle	7.83	5.17	7.33	6.17	18.49	4.83	6.30	5.60
PSG	07-1FF	7.56	5.61	7.17	6.11	16.40	5.08	6.13	5.53
PST	4SEA	8.55	5.28	6.11	6.00	19.23	4.89	5.20	5.40
PST	Seabreeze GT	8.83	5.28	5.67	5.83	18.16	4.94	4.90	5.40
NexGen	ASR181	8.44	4.83	5.72	5.55	21.40	4.78	5.00	5.27
	CV	3.26	4.09	4.01	4.41	16.27	3.17	4.43	4.35
	LSD (0.05)	0.36	0.33	0.37	0.38	4.05	0.24	0.35	0.35
	GRAND MEAN	8.19	6.01	6.74	6.43	18.45	5.71	5.82	5.95
	MIN. MEAN	6.67	4.61	5.33	5.33	10.73	4.53	4.63	4.73
	MAX. MEAN	8.83	7.39	8.11	7.39	22.78	6.78	7.00	6.97

Average Cover 2013 = 1-9; 9=Most Cover (3 ratings)
 Average Genetic Color 2013 = 1-9; 9=Darkest (3 ratings)
 Average Density 2013 = 1-9; 9=Most Dense (3 ratings)
 Average Turf Quality 2013 = 1-9;9=Best (3 ratings)
 Average Cover 2012-2013 = 1-9; 9=Most Cover (6 ratings, 2 years of data)
 Average Genetic Color 2012-2013 = 1-9; 9=Darkest (6 ratings, 2 years of data)
 Average Density 2012-2013 = 1-9; 9=Most Dense (5 ratings, 2 years of data)
 Average Turf Quality 2012-2013 = 1-9;9=Best (5 ratings, 2 years of data)

Table 2. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration before 99 fine fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover. Entries are ranked based on their ET₅₀ values.

Rank	Selection	ET ₇₅	ET ₅₀	ET ₂₅
1.	Culumbra II	3.182 to 4.591	4.713 to 5.738	5.734 to 7.394
2.	IS-FL46	2.619 to 4.137	4.475 to 5.611	5.755 to 7.662
3.	IS-FL50	3.273 to 4.228	4.681 to 5.365	5.765 to 6.826
4.	AHF188	2.957 to 3.974	4.604 to 5.348	5.885 to 7.088
5.	Firefly	1.690 to 4.035	3.847 to 5.584	5.115 to 8.022
6.	AHF203	2.263 to 3.612	4.119 to 5.102	5.497 to 7.070
7.	Azay Blue	2.918 to 3.596	4.291 to 4.775	5.454 to 6.166
8.	4CHY	3.193 to 3.792	4.234 to 4.652	5.104 to 5.683
9.	AHF204	2.862 to 3.604	4.147 to 4.676	5.212 to 5.969
10.	AHF181	2.754 to 3.521	4.133 to 4.682	5.279 to 6.077
11.	4SHR-CH	2.705 to 4.097	3.896 to 4.875	4.693 to 6.048
12.	Cindy Lou	2.426 to 3.347	4.016 to 4.679	5.312 to 6.305
13.	Radar	2.749 to 3.516	4.004 to 4.552	5.038 to 5.811
14.	IS-FL48	2.714 to 3.411	4.008 to 4.507	5.098 to 5.807
15.	Enchantment	1.844 to 3.973	3.378 to 4.909	4.289 to 6.467
16.	Longfellow II	2.303 to 3.515	3.659 to 4.532	4.667 to 5.897
17.	AZB	2.546 to 3.239	3.831 to 4.331	4.917 to 5.621
18.	Koket	2.749 to 3.594	3.745 to 4.360	4.523 to 5.342
19.	AHF177	2.380 to 3.145	3.733 to 4.286	4.864 to 5.648
20.	FC 09-2	1.778 to 3.683	3.315 to 4.692	4.297 to 6.255
21.	Beacon	2.386 to 3.314	3.663 to 4.335	4.678 to 5.618
22.	Lustrous	2.175 to 2.820	3.767 to 4.232	5.158 to 5.844
23.	ACF256	2.148 to 3.391	3.543 to 4.442	4.580 to 5.850
24.	4CRD-U	2.017 to 3.314	3.524 to 4.461	4.648 to 5.991
25.	PPG-FRR105	2.467 to 3.027	3.785 to 4.191	4.941 to 5.516
26.	Spartan II	2.429 to 3.133	3.697 to 4.207	4.766 to 5.481
27.	4NY	1.717 to 3.371	3.343 to 4.538	4.473 to 6.201
28.	4GRY	2.400 to 2.892	3.699 to 4.056	4.858 to 5.362
29.	Soil Guard	1.997 to 2.705	3.621 to 4.132	5.026 to 5.778
30.	ASC323	2.562 to 2.989	3.720 to 4.031	4.760 to 5.192
31.	3J2927	1.696 to 3.351	3.255 to 4.453	4.328 to 6.041
32.	3TH3	1.915 to 3.418	3.292 to 4.385	4.245 to 5.776
33.	PSG 5RM	1.647 to 3.188	3.272 to 4.387	4.436 to 6.046
34.	ACF277	2.003 to 3.546	3.249 to 4.380	4.073 to 5.637
35.	4HES	1.894 to 3.374	3.272 to 4.349	4.232 to 5.742
36.	IS-FRC37	1.706 to 3.575	3.086 to 4.450	3.944 to 5.848
37.	4RED	2.528 to 3.036	3.575 to 3.950	4.484 to 5.001
38.	Wrigley 2	1.519 to 3.722	2.947 to 4.555	3.758 to 6.004
39.	ACF278	2.317 to 3.071	3.469 to 4.022	4.413 to 5.180

40.	PPG-FRR102	1.738 to 3.022	3.268 to 4.199	4.422 to 5.752
41.	4CRD-P	2.314 to 2.838	3.537 to 3.920	4.613 to 5.148
42.	IS-FRR65	2.093 to 2.908	3.398 to 3.993	4.473 to 5.308
43.	S2SE	0.8576 to 3.601	2.684 to 4.669	3.689 to 6.556
44.	Shademaster III	1.311 to 3.197	2.956 to 4.324	4.046 to 6.006
45.	ASR176	1.999 to 3.167	3.211 to 4.070	4.098 to 5.295
46.	PPG-FRC103	2.252 to 3.021	3.343 to 3.912	4.222 to 5.014
47.	IS-FRR68C	2.071 to 2.754	3.371 to 3.870	4.478 to 5.178
48.	ASC313	2.184 to 2.752	3.404 to 3.820	4.464 to 5.046
49.	ASC319	2.261 to 2.713	3.437 to 3.769	4.487 to 4.951
50.	Longfellow III	2.195 to 2.875	3.350 to 3.850	4.315 to 5.013
51.	SR 3150	2.039 to 2.695	3.346 to 3.825	4.467 to 5.141
52.	ASC332	2.198 to 2.831	3.325 to 3.791	4.276 to 4.926
53.	Big Horn GT	1.960 to 2.770	3.261 to 3.853	4.333 to 5.165
54.	IS-FL47	1.615 to 3.007	3.044 to 4.060	4.075 to 5.508
55.	IS-FRR61	2.038 to 2.664	3.306 to 3.765	4.398 to 5.042
56.	OS2	1.892 to 2.589	3.272 to 3.780	4.451 to 5.172
57.	4SEA	1.910 to 3.022	3.105 to 3.923	3.990 to 5.135
58.	PPG-FRR103	1.519 to 3.017	2.964 to 4.058	3.983 to 5.526
59.	PPG-FRR106	1.362 to 3.034	2.893 to 4.112	3.942 to 5.670
60.	Navigator II	2.058 to 2.642	3.268 to 3.696	4.314 to 4.915
61.	4CRD-8	1.956 to 2.677	3.191 to 3.719	4.222 to 4.964
62.	ASC333	1.940 to 2.465	3.242 to 3.626	4.394 to 4.936
63.	ACF283	2.208 to 2.845	3.192 to 3.664	3.992 to 4.666
64.	PSG SPRS	1.676 to 3.070	2.893 to 3.917	3.716 to 5.157
65.	5RJ1E	1.549 to 2.553	3.038 to 3.769	4.235 to 5.276
66.	ASC321	1.609 to 2.765	2.978 to 3.824	4.019 to 5.212
67.	IS-FRC36	2.078 to 2.947	3.079 to 3.721	3.826 to 4.748
68.	PST-4C30D	2.009 to 2.913	3.059 to 3.726	3.850 to 4.798
69.	PPG-FRR104	2.027 to 2.529	3.204 to 3.572	4.239 to 4.756
70.	4CHT	1.420 to 3.254	2.709 to 4.056	3.481 to 5.376
71.	ACF266	2.119 to 2.771	3.113 to 3.592	3.917 to 4.603
72.	Blue Ray	1.374 to 2.873	2.789 to 3.886	3.778 to 5.326
73.	Intrigue II	1.968 to 2.743	3.050 to 3.618	3.910 to 4.715
74.	ACF261	1.702 to 2.936	2.854 to 3.757	3.652 to 4.932
75.	5J51-15	1.362 to 2.450	2.910 to 3.700	4.139 to 5.270
76.	4CR10-08	1.678 to 2.436	3.016 to 3.571	4.138 to 4.921
77.	Seabreeze GT	1.663 to 3.080	2.730 to 3.756	3.371 to 4.859
78.	5RJ1L	1.428 to 2.501	2.840 to 3.625	3.945 to 5.057
79.	Garnet	1.836 to 2.574	2.954 to 3.494	3.862 to 4.624
80.	ASR181	1.921 to 2.713	2.937 to 3.512	3.719 to 4.545
81.	ORC 126	1.387 to 2.804	2.699 to 3.738	3.611 to 5.074
82.	ASC320	1.936 to 2.403	3.014 to 3.355	3.958 to 4.440

83.	ASC295	1.370 to 2.947	2.607 to 3.759	3.393 to 5.021
84.	Eureka II	1.024 to 2.446	2.644 to 3.674	3.845 to 5.322
85.	ASR184	1.957 to 2.595	2.901 to 3.353	3.649 to 4.308
86.	SO	1.933 to 2.413	2.854 to 3.191	3.630 to 4.113
87.	R4TC	1.105 to 3.023	2.329 to 3.712	3.000 to 4.958
88.	IS-FRR62	1.052 to 2.585	2.392 to 3.517	3.297 to 4.883
89.	50C3	1.526 to 2.727	2.523 to 3.345	3.158 to 4.328
90.	ASR172	1.803 to 2.519	2.657 to 3.121	3.290 to 3.944
91.	SDHT	1.639 to 2.018	2.746 to 3.023	3.745 to 4.135
92.	Oracle	1.584 to 2.253	2.593 to 3.074	3.414 to 4.083
93.	4BIL	0.6154 to 2.501	2.033 to 3.421	2.915 to 4.876
94.	07-1FF	1.482 to 2.032	2.482 to 2.883	3.333 to 3.884
95.	Boreal	1.578 to 2.200	2.458 to 2.894	3.174 to 3.753
96.	SHST	1.333 to 2.202	2.361 to 2.992	3.151 to 4.018
97.	SDT	1.452 to 2.065	2.376 to 2.821	3.140 to 3.736
98.	SG	1.480 to 1.816	2.447 to 2.695	3.324 to 3.663
99.	SHSM	1.443 to 1.919	2.382 to 2.732	3.197 to 3.670

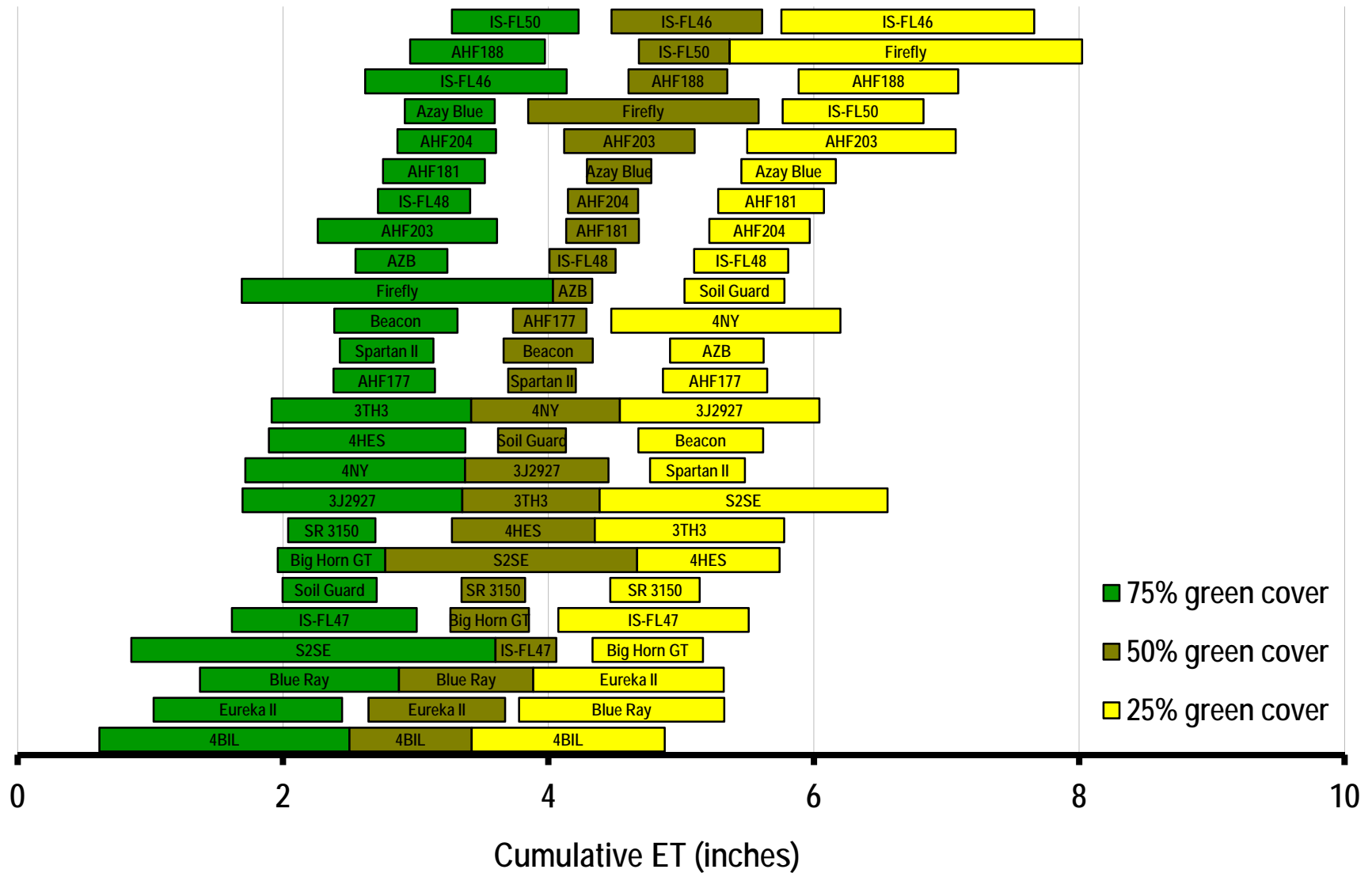


Figure 5. Confidence intervals (95%) for the moisture lost to evapotranspiration before 25 hard fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover.

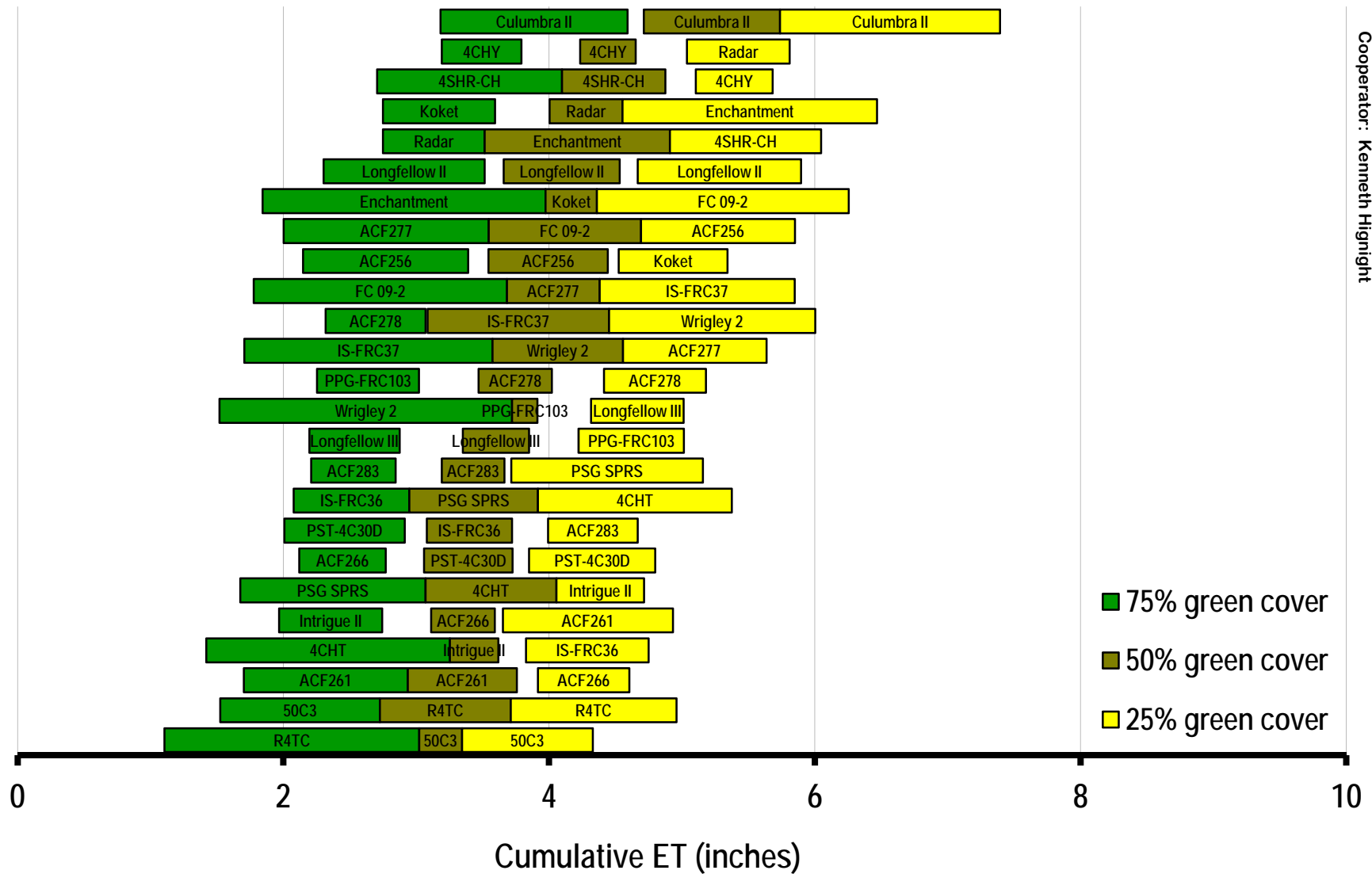


Figure 6. Confidence intervals (95%) for the moisture lost to evapotranspiration before 25 chewing fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover.

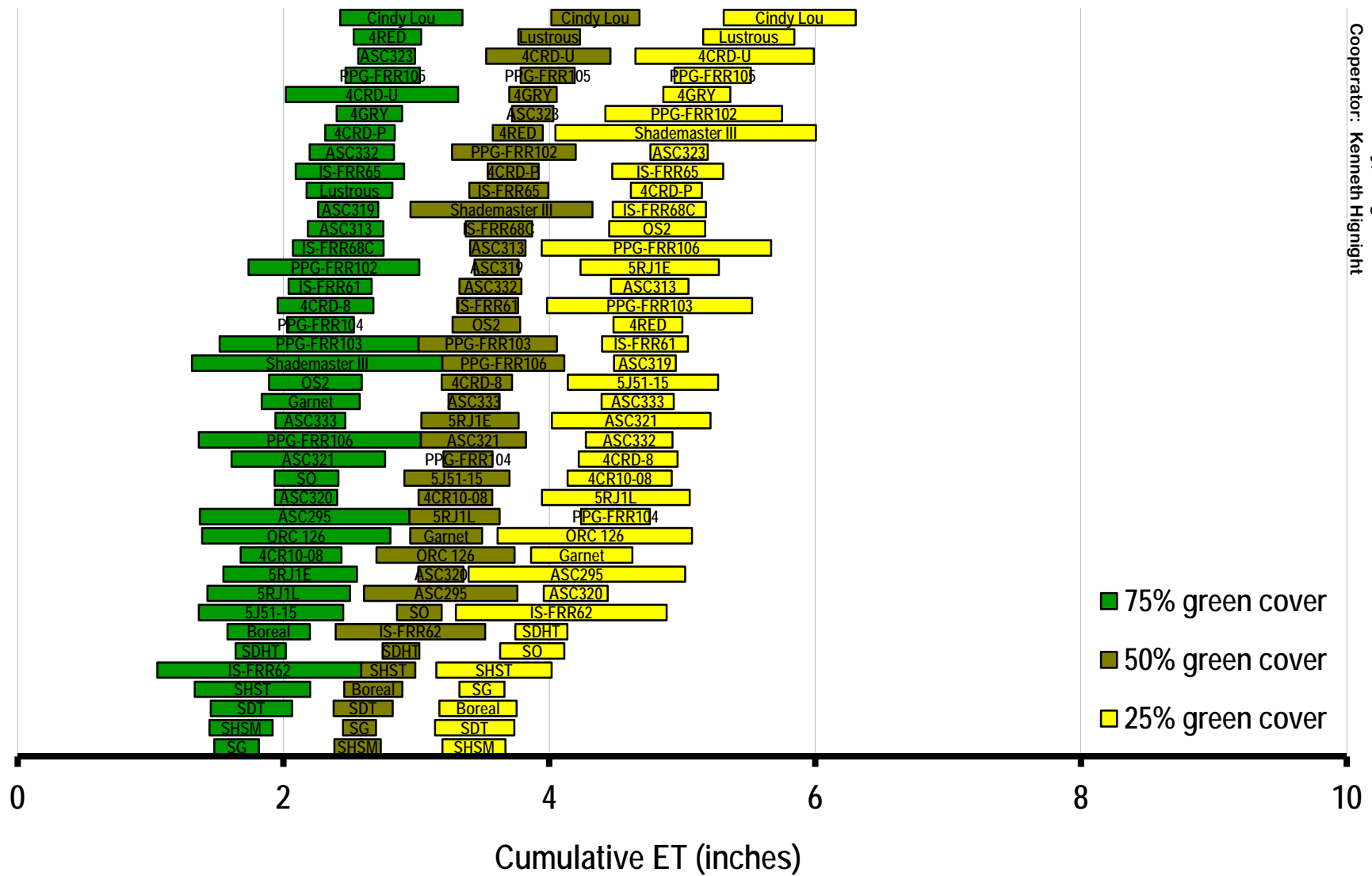
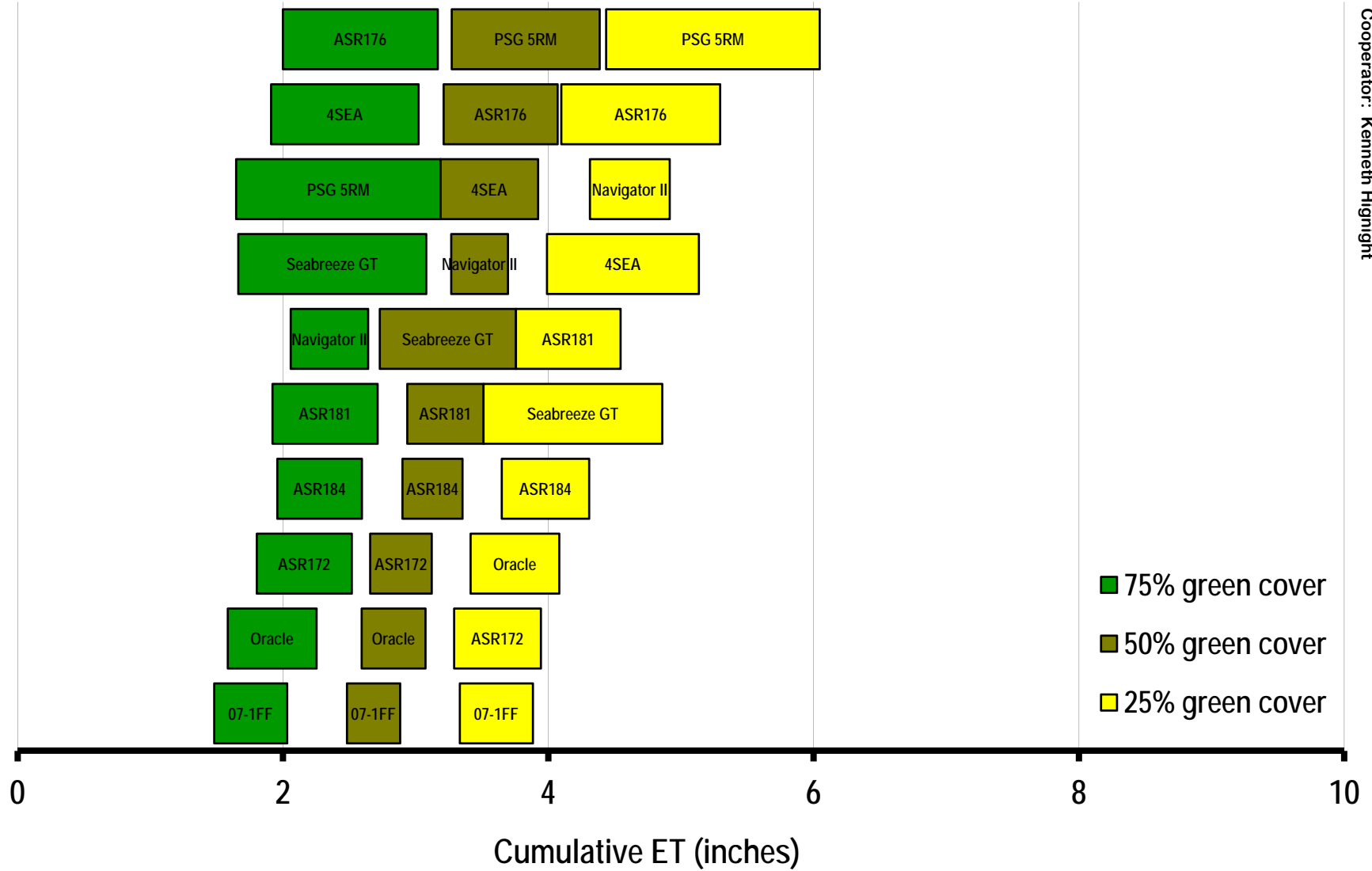


Figure 7. Confidence intervals (95%) for the moisture lost to evapotranspiration before 39 strong creeping red fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover.



■ 75% green cover
 ■ 50% green cover
 ■ 25% green cover

Figure 8. Confidence intervals (95%) for the moisture lost to evapotranspiration before 10 slender creeping red fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover.

CTBT: 2010 Trial
Tall Fescue Turf Trial - Shade
Location: Canby, Oregon
Cooperator: Crystal Fricker

2013 Data

Subjective Data

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Turf Quality 2011-2013
Pure Seed	PST-5R05	5.78	6.20
Peak Genetics	PPG-TF 101	5.33	6.14
Peak Genetics	Titanium LS	5.55	5.78
Pure Seed	Coronado TDH	5.78	5.69
Rutgers	6351	5.22	5.64
DLF	Essential	4.89	5.56
PSG	Corona	5.33	5.39
NexGen	Rebel Exeda	4.89	5.36
NexGen	ATF1566	4.56	5.28
Pure Seed	RainDance (PST-5SDT)	4.56	4.97
DLF	IS-TF 219	3.56	4.97
Pure Seed	PST-5SIS	5.11	4.97
Pure Seed	PST-5SLV	5.00	4.97
Pure Seed	PST-5MCD	4.78	4.94
Rutgers	Catalyst	4.56	4.89
Rutgers	Traverse	4.67	4.89
DLF	IS-TF 217	4.89	4.89
Peak Genetics	Raptor II	4.56	4.83
Pure Seed	PST-5LIV	4.89	4.83
Pure Seed	Inspiration (PST-R5NW)	4.56	4.83
PSG	PSG 8308	4.78	4.78
DLF	IS-TF 215	3.67	4.78
DLF	IS-TF 226	4.11	4.75
PSG	STR 86QRH	4.89	4.72
Pure Seed	PST-5DRP	4.89	4.69
DLF	IS-TF 231C	4.11	4.67
NexGen	ATF1550	5.22	4.64
PSG	Mustang 4	4.89	4.64
DLF	IS-TF 197	4.44	4.58
NexGen	ATF1613	4.67	4.56
NexGen	ATF1618	4.00	4.53
NexGen	ATF1569	4.33	4.53
Rutgers	Rhambler	3.67	4.50
PSG	Crossfire 3	4.00	4.50
Pure Seed	PST-5GRB	3.89	4.50
NexGen	ATF1567	3.78	4.44
Peak Genetics	PPG-TF 116	3.67	4.42
NexGen	ATF1608	4.89	4.41
PSG	PSG 6008	4.56	4.39
Pure Seed	PST-5DVD-07	3.89	4.39
Pure Seed	PST-5AWT	4.44	4.39
Peak Genetics	PPG-TF 117	4.33	4.36
NexGen	ATF1570	4.44	4.36
Rutgers	LW	3.56	4.33
Pure Seed	PST-5BGR	4.33	4.33
NexGen	ATF1614	3.78	4.33
PSG	PSG 82BPRH	3.44	4.31
DLF	IS-TF 227	4.56	4.31
Pure Seed	PST-5V4	4.44	4.28
Rutgers	3rd Millennium	3.89	4.25
PSG	PSG3905	4.00	4.25
PSG	PSG 07-9	4.11	4.25
Pure Seed	Cumberland (PST-5R20)	3.78	4.25
NexGen	ATF1612	3.56	4.25
NexGen	ATF1621	3.89	4.25
Pure Seed	Tarnation GT (PST-5T8E)	3.78	4.22
DLF	Bullseye	4.44	4.22

Subjective Data

SPONSOR	CULTIVAR	Average Turf Quality 2013	Average Turf Quality 2011-2013
PSG	PSG 709509	3.22	4.19
NexGen	ATF1571	4.11	4.19
Pure Seed	PST-5MVD	3.22	4.17
Pure Seed	PST-5FDR	4.00	4.17
Pure Seed	PST-5SXR	3.78	4.14
NexGen	ATF1620	3.56	4.14
Rutgers	FCE3	4.11	4.11
Rutgers	Falcon IV	3.22	4.08
NexGen	ATF1548	4.00	4.08
NexGen	ATF1491	3.56	4.08
Pure Seed	Gazelle II	4.11	4.06
Pure Seed	Wolfpack II	3.22	4.06
DLF	IS-TF 234C	3.78	4.03
Rutgers	Shenandoah III	3.44	3.97
NexGen	ATF1609	3.89	3.95
Peak Genetics	PPG-TF 102	3.22	3.94
DLF	IS-TF 230B	3.11	3.94
DLF	IS-TF 223	3.22	3.92
Pure Seed	PST-5SXD	3.45	3.92
NexGen	ATF1610	4.67	3.89
Peak Genetics	PPG-TF 105	3.00	3.86
DLF	IS-TF 224	3.33	3.78
Rutgers	Shenandoah Elite	3.44	3.75
Peak Genetics	PPG-TF 106	2.56	3.72
Pure Seed	PST-5DKB	2.78	3.67
Peak Genetics	PPG-TF 115	3.56	3.67
Pure Seed	PST-5YMY	3.22	3.67
Pure Seed	PST-5SDS	3.33	3.64
PSG	PSG 5908	3.78	3.61
NexGen	ATF1568	2.89	3.61
NexGen	ATF1611	3.11	3.56
Peak Genetics	Spyder LS	3.11	3.55
PSG	PSG 07-5	3.33	3.53
NexGen	ATF1549	3.78	3.50
PSG	PSG 8GRTR	2.78	3.47
PSG	PSG 08-6	3.78	3.44
NexGen	Penn 1901	3.00	3.36
NexGen	ATF1619	3.89	3.25
PSG	PSG 8SP1	3.11	3.25
Rutgers	Finelawn Xpress	2.33	3.20
NexGen	ATF1551	2.89	3.20
Peak Genetics	Firecracker LS	2.89	3.19
DLF	IS-TF 225	3.33	3.19
DLF	IS-TF 233C	3.00	3.11
NexGen	ATF1547	2.33	3.00
Rutgers	Falcon V	2.67	2.83
Peak Genetics	KY-31	2.11	2.75
	CV	30.38	25.24
	LSD (0.05)	1.61	1.45
	GRAND MEAN	3.94	4.26
	MIN. MEAN	2.11	2.75
	MAX. MEAN	5.78	6.20

Average Turf Quality 2013 = 1-9; 9=Best (3 ratings)

Average Turf Quality 2011-2013 = 1-9; 9=Best (12 ratings, 2 years of data)

CTBT: 2011 Trial
 Fine Fescue Turf Trial - Shade
 Location: Canby, Oregon
 Cooperator: Crystal Fricker

2013 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality
HARD FESCUE (SHEEP)		
NexGen	AHF177	3.92
PSG	3J2927	3.75
PSG	3TH3	3.75
PSG	SR 3150	3.75
DLF	IS-FL47	3.67
NexGen	AHF188	3.58
NexGen	AHF203	3.58
PSG	Azay Blue	3.58
PST	4HES	3.50
DLF	IS-FL48	3.50
PSG	Spartan II	3.42
PSG	S2SE	3.42
DLF	IS-FL50	3.42
PSG	AZB	3.42
Rutgers	Firefly	3.33
PST	4BIL	3.17
NexGen	AHF181	3.17
PPG	Beacon	3.17
PST	Bighorn GT	3.08
PST	4NY	3.08
DLF	IS-FL46	3.00
DLF	Eureka II	3.00
PST	Soil Guard	2.83
NexGen	AHF204	2.83
PPG	Blue Ray	2.75
CHEWINGS FESCUE		
PST	R4TC	5.67
PST	4CHY	5.42
DLF	IS-FRC36	5.42
DLF	IS-FRC37	5.33
PPG	PPG-FRC103	5.33
PST	PST-4C30D	5.25
DLF	Longfellow II	5.25
DLF	Longfellow III	5.25
NexGen	ACF277	5.17
NexGen	ACF256	5.08
NexGen	ACF283	4.92
PPG	Radar	4.92
Rutgers	Intrigue II	4.83
NexGen	Culumbra II	4.83
NexGen	ACF261	4.83
PST	Enchantment	4.75
NexGen	ACF278	4.75
PST	4SHR-CH	4.67
DLF	Wrigley 2	4.67
PST	4RED	4.58
NexGen	Survivor (ACF266)	4.50
PSG	50C3	4.33
PSG	PSG SPRS	3.67
PPG	Koket	3.67
PSG	FC 09-2	3.58
PST	4CHT	3.50

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality
STRONG CREEPING RED FESCUE		
PSG	Garnet	5.00
PST	4GRY	4.83
PSG	OS2	4.83
PSG	SHSM	4.75
NexGen	ASC323	4.75
PST	Shademaster III	4.67
NexGen	ASC313	4.67
NexGen	ASC320	4.67
DLF	IS-FRR68C	4.58
NexGen	ASC319	4.58
PST	4CRD-P	4.50
PPG	PPG-FRR105	4.42
PSG	SDHT	4.33
NexGen	ASC333	4.33
PSG	5J51-15	4.25
PST	4CR10-08	4.17
PSG	ORC 126	4.17
PSG	SG	4.17
DLF	IS-FRR65	4.17
NexGen	ASC332	4.17
PSG	SDT	4.08
PSG	5RJ1E	4.08
NexGen	ASC321	4.08
PPG	Gibraltar Gold (PPG-FRR102)	4.08
PPG	PPG-FRR103	4.08
PST	4CRD-U	4.00
DLF	IS-FRR61	4.00
NexGen	Lustrous	4.00
PPG	Marvel (PPG-FRR106)	3.92
PPG	PPG-FRR104	3.83
PSG	SO	3.75
DLF	IS-FRR62	3.75
DLF	Cindy Lou	3.58
NexGen	Pennington ASC295	3.58
PSG	5RJ1L	3.42
PSG	Boreal	3.33
PSG	SHST	3.25
PST	4CRD-8	3.08
SLENDER CREEPING RED FESCUE		
NexGen	ASR184	5.83
PST	4SEA	5.33
NexGen	ASR172	5.25
NexGen	ASR181	5.25
NexGen	ASR176	4.92
PPG	Navigator II	4.67
PST	Seabreeze GT	4.50
PSG	07-1FF	4.33
PSG	Oracle	4.17
PSG	PSG 5RM	4.00
	CV	17.21
	LSD (0.05)	0.97
	GRAND MEAN	4.18
	MIN. MEAN	2.75
	MAX. MEAN	5.83

Average Turf Quality = 1-9; 9=Best (4 ratings)

2011 Fine Fescue Site Management

Site	Fertility (lbs / 1,000 ft ²)			Soil Type	pH	Mow Height Inches	Irrigation	Fungicides	Herbicides	Trial Type	Other
	N	P	K								
Connecticut Storrs	2.0	0.0	0.0	Paxton & Montauk fine sandy loam	6.0	2.75	None	None	Prodiamine 65 Trimec	Full Sun	Zenith
Illinois Urbana	2.25	0.0	0.5	Silt Loam and Silt	6.3	7/8	Prevent Stress	None	None	Full Sun	
Kentucky Berry	3.0	0.1	0.2	Ashton Silt Loam	6.6	2.0	1 inch/wk	Quadris	Pendimethalin MecAmine	Full Sun	
Massachusetts Amherst	2.0	0.1	0.6	Silt Loam	5.7	2.5	None	None	Merit Prodiamine	Full Sun	
Minnesota St. Paul	2.0	0.0	1.6	Wakegan Silt Loam	6.8	2	No Irrig.	None	None	Full Sun	.
New Jersey Adelphia	2.25	0.0	0.0	Sandy Loam	6.1	1.5	Prevent Severe Stress	None	Dimension, Merit, Starane Ultra 2,4D & Banvel	Full Sun	Innoc Summer Patch
New Jersey Salem	3.0	0.5	2.0	Silt Loam	6.3	1.5	Prevent Stress	None	Barricade 2,4 D, Confident	Full Sun	
North Carolina Rolesville	4.0	0.0	0.0	Durham Loamy Sand	6.0	3.0	Prevent Severe Stress	None	None	Full Sun	
Oregon Albany	4.0	1.16	3.14	Woodburn Silt Loam	5.0	1.25	Promote Drought	Subdue Quadris Quilt	None	Drought	
Oregon Canby	4.0	0.75	1.1	Woodburn Silty Clay Loam	5.6	2.0	Prevent Stress	None	Poast	Shade	

2010 Tall Fescue Site Management

Site	Fertility (lbs / 1,000 ft ²)			Soil Type	pH	Mow Height Inches	Irrigation	Fungicides	Herbicides	Trial Type	Other
	N	P	K								
North Carolina Rolesville	5.0	0.0	0.0	Durham Loamy Sand	6.0	2.0	Prevent Dormancy	None	None	Full Sun	
Oregon Canby	4.0	0.75	1.1	Woodburn Silty Clay Loam	5.6	2.0	Prevent Stress	None	None	Shade	