



Cooperative Turfgrass Breeders Test

2012 Report



In Memory of Dr. Reed Funk
1928 – 2012

Dr. Funk received both a BS and MS degree from Utah State University. After a year of studying alfalfa breeding at Iowa State, he transferred to Rutgers University where he earned a Ph.D. in agronomy.

Dr. Funk joined the faculty at the New Jersey Agricultural Experiment Station in 1961 and was a pioneer in the field of turfgrass breeding. Dr. Funk's diverse germplasm collection and enhancement program is credited with the development of hundreds of cool-season turfgrass cultivars. Many of his germplasm releases, such as 'Manhattan' perennial ryegrass and 'Rebel' tall fescue, are considered landmark cultivars and have served as a foundation for many of the new turf-type cultivars.

Please visit our website for more trial information: www.ctbt-us.info

Table of Contents

Location

Trials

Arkansas

Fayetteville

2010 Tall Fescue

Connecticut

Storrs

2011 Fine Fescue

Illinois

Urbana

2010 Tall Fescue

2011 Fine Fescue

Kentucky

Berry

2010 Tall Fescue

2011 Fine Fescue

Massachusetts

Amherst

2011 Fine Fescue

Minnesota

St. Paul

2010 Tall Fescue

2011 Fine Fescue

New Jersey

Adelphia & North Brunswick

2010 Tall Fescue - Wear

2011 Fine Fescue

New Jersey

Salem

2010 Tall Fescue

2011 Fine Fescue

North Carolina

Rolesville

2010 Tall Fescue

2011 Fine Fescue

Oregon

Albany

2010 Tall Fescue

2011 Fine Fescue

Oregon

Canby

2010 Tall Fescue - Shade

Virginia

Blacksburg

2010 Tall Fescue

Site Information

Management of Trials by Location

2012 CTBT Sponsors

<u>Company</u>	<u>Abbreviation</u>	<u>Contact</u>
Pickseed Group	PSG	Leah Brillman Don Floyd
Pure Seed Testing	PST	Crystal Fricker
NexGen Turf Research	NexGen	Kenneth Hignight
Peak Genetics	Peak Genetics	Steve Johnson
Rutgers University	Rutgers	William Meyer
DLF – OR	DLF	Steve Reid

CTBT: 2010 Trial
Tall Fescue Turf Trial
Location: Fayetteville, Arkansas
Cooperator: Dr. Mike Richardson

2012 Data

Digital Image Analysis Ratings

SPONSOR	CULTIVAR	Brown Patch	Average Percent Green Cover	Average Genetic Color	Average Turf Quality	Average Percent Green Cover 2011-2012	Average Genetic Color 2011-2012	Average Turf Quality 2011-2012
Peak Genetics	PPG-TF 116	5.00	87.99	6.95	8.50	91.18	6.64	8.28
DLF	IS-TF 230B	3.33	81.19	8.06	8.17	86.61	8.05	8.28
DLF	IS-TF 234C	3.33	82.90	7.78	8.00	88.06	7.53	8.14
Rutgers	Falcon V	1.67	88.98	6.78	8.22	91.38	6.81	8.11
Rutgers	LW	1.67	86.78	7.22	8.11	90.44	6.97	8.11
DLF	IS-TF 233C	1.67	85.52	7.33	7.95	89.73	7.11	8.08
NexGen	ATF1609	5.00	87.66	7.00	8.17	90.87	6.75	8.08
DLF	IS-TF 226	1.67	85.44	7.61	8.05	89.18	7.28	8.06
Rutgers	Shenandoah III	1.67	85.63	6.72	8.00	89.82	6.72	8.05
DLF	IS-TF 231C	6.67	81.20	8.33	8.17	86.91	7.94	8.05
DLF	Bullseye	6.67	83.89	7.28	8.00	88.87	7.11	8.03
DLF	IS-TF 227	5.00	84.74	7.67	8.17	89.03	7.19	8.03
DLF	IS-TF 217	0.00	86.04	7.11	8.11	89.69	6.84	8.00
DLF	IS-TF 225	3.33	83.23	7.33	8.17	88.11	6.94	8.00
Rutgers	Traverse	1.67	85.86	7.05	8.00	89.42	6.86	7.97
Peak Genetics	Firecracker LS	5.00	86.09	7.11	8.22	89.26	6.81	7.97
NexGen	ATF1614	0.00	84.91	7.39	8.00	89.28	7.14	7.97
PST	PST-5MCD	0.00	86.96	7.00	7.78	90.86	6.61	7.97
Peak Genetics	PPG-TF 105	0.00	87.29	6.94	8.17	90.90	6.61	7.95
NexGen	ATF1570	0.00	87.69	6.78	8.05	91.13	6.64	7.95
NexGen	ATF1548	0.00	87.89	6.89	8.28	90.69	6.50	7.95
Peak Genetics	PPG-TF 102	6.67	86.67	7.11	7.89	90.05	6.84	7.92
PSG	PSG 07-9	8.33	80.32	7.72	7.72	86.48	7.64	7.92
Rutgers	Finelawn Xpress	0.00	85.80	7.11	7.78	89.77	6.86	7.92
Peak Genetics	PPG-TF 117	3.33	83.51	7.33	8.11	87.95	7.31	7.92
DLF	IS-TF 197	1.67	83.82	7.33	8.00	88.48	7.08	7.92
DLF	IS-TF 224	0.00	83.15	7.11	7.72	88.24	7.17	7.92
NexGen	ATF1610	10.00	86.02	6.83	7.95	90.30	6.50	7.92
Rutgers	Shenandoah Elite	1.67	85.71	7.33	8.11	88.96	7.11	7.89
NexGen	ATF1613	3.33	85.85	7.22	7.94	89.50	6.83	7.89
Rutgers	6351	0.00	84.21	7.00	7.89	88.70	6.86	7.89
NexGen	ATF1567	3.33	84.63	6.44	7.89	89.21	6.36	7.89
PSG	PSG 8SP1	3.33	84.93	6.83	7.83	89.14	6.69	7.86
Peak Genetics	Raptor II	1.67	82.23	7.33	7.72	87.22	7.36	7.86
PSG	Mustang 4	1.67	85.40	7.11	8.05	89.51	6.83	7.86
NexGen	ATF1608	5.00	88.46	7.05	8.17	90.77	6.78	7.86
NexGen	ATF1620	0.00	85.91	7.06	8.06	89.45	6.81	7.86
Rutgers	Rhambler	5.00	85.90	6.83	8.00	89.43	6.64	7.83
Peak Genetics	Spyder LS	0.00	83.24	7.50	7.72	87.99	7.33	7.83
PSG	Corona	0.00	80.84	7.83	7.61	86.52	7.72	7.83
PST	PST-5MVD	1.67	86.72	7.11	7.94	90.37	6.72	7.83
PST	Meridian (PST-5GRB)	3.33	88.43	5.94	7.78	90.92	6.05	7.83
Peak Genetics	PPG-TF 106	0.00	88.79	6.44	8.00	91.17	6.31	7.83
PSG	PSG 07-5	0.00	78.93	8.33	7.78	84.97	8.25	7.81
PST	PST-5SLV	3.33	88.63	6.95	8.06	91.06	6.39	7.81
PST	PST-R5NW	5.00	84.06	7.11	7.78	88.44	6.97	7.80
PSG	PSG 5908	0.00	81.84	7.67	7.83	86.91	7.53	7.78
PSG	PSG 709509	0.00	81.99	7.17	7.78	87.48	6.92	7.78
PST	PST-5DRP	1.67	86.60	6.72	7.72	90.07	6.64	7.78
Rutgers	FCE3	3.33	85.45	6.89	7.94	89.05	6.89	7.78
PSG	Crossfire 3	3.33	81.00	7.78	7.78	86.36	7.58	7.78
PST	PST-5SXD	30.00	81.39	6.56	7.39	87.55	6.55	7.78
PST	Rain Saver (PST-5SDS)	3.33	86.50	6.28	7.78	89.82	6.42	7.78
PSG	PSG 6008	1.67	83.38	7.39	7.72	88.29	7.09	7.75
PSG	PSG3905	1.67	84.27	7.22	7.95	87.99	6.89	7.75
DLF	IS-TF 215	1.67	81.21	7.44	7.67	86.98	7.22	7.75
PST	Wolfpack II	3.33	86.71	7.00	8.11	89.90	6.58	7.75
NexGen	ATF1611	6.67	85.39	7.00	7.78	89.34	6.75	7.75
NexGen	ATF1550	10.00	85.09	6.28	7.67	89.54	6.25	7.75

Digital Image Analysis Ratings

SPONSOR	CULTIVAR	Brown Patch	Average Percent Green Cover	Average Genetic Color	Average Turf Quality	Average Percent Green Cover 2011-2012	Average Genetic Color 2011-2012	Average Turf Quality 2011-2012
NexGen	Verti (ATF1612)	3.33	87.49	7.06	7.89	90.97	6.45	7.75
Peak Genetics	Titanium LS	3.33	87.04	6.83	7.95	89.95	6.56	7.72
DLF	Essential	8.33	84.69	7.11	7.89	88.64	6.81	7.72
PST	PST-5AWT	8.33	84.57	7.44	7.78	88.78	6.97	7.72
NexGen	ATF1549	5.00	83.53	6.89	7.95	88.12	6.61	7.72
Peak Genetics	PPG-TF 115	0.00	83.13	7.17	7.67	88.27	6.97	7.72
PST	Gazelle II	6.67	82.64	6.78	7.45	88.19	6.78	7.72
PST	Swagger (PST-5R05)	3.33	85.45	6.66	7.83	89.65	6.42	7.72
NexGen	ATF1621	0.00	86.51	6.56	7.83	89.86	6.44	7.72
PSG	PSG 8GRTR	16.67	81.83	6.61	7.45	87.33	6.72	7.70
PST	PST-5DKB	1.67	84.80	7.16	7.72	88.95	6.81	7.70
PST	Tarnation GT (PST-5T8E)	6.67	84.03	7.00	7.61	88.78	6.83	7.69
Rutgers	Falcon IV	1.67	82.73	7.17	7.67	87.85	7.00	7.67
DLF	IS-TF 223	3.33	85.29	6.83	7.83	89.26	6.50	7.67
PST	PST-5V4	0.00	84.80	6.34	7.67	89.29	6.36	7.67
PST	PST-5SXR	8.33	83.55	6.56	7.50	88.72	6.36	7.67
PST	PST-5LIV	0.00	82.82	6.78	7.56	87.72	6.92	7.67
NexGen	ATF1571	0.00	86.06	7.11	7.89	89.71	6.86	7.67
NexGen	ATF1547	1.67	85.05	6.56	7.67	89.29	6.39	7.67
Rutgers	3rd Millennium	0.00	84.93	7.05	7.61	89.36	6.69	7.66
Rutgers	Catalyst	1.67	88.61	6.83	8.00	89.80	6.61	7.64
PST	PST-5YMY	3.33	88.67	5.61	7.72	91.82	5.30	7.64
PST	Cumberland (PST-5R20)	6.67	85.55	6.28	7.66	90.00	5.95	7.64
Peak Genetics	PPG-TF 101	1.67	83.79	7.17	7.67	87.90	7.11	7.64
PSG	PSG 08-6	15.00	82.31	6.94	7.50	87.65	6.78	7.61
PST	PST-5DVD-07	3.33	83.63	7.06	7.61	88.64	6.80	7.61
NexGen	ATF1569	0.00	84.15	6.56	7.67	88.72	6.36	7.61
PSG	STR 86QRH	6.67	82.72	7.22	7.61	87.71	7.03	7.59
NexGen	ATF1566	0.00	86.92	6.33	7.56	90.18	6.33	7.58
NexGen	ATF1619	3.33	86.33	6.44	7.67	90.22	6.22	7.58
PST	PST-5BGR	8.33	82.10	6.78	7.50	87.90	6.56	7.58
PSG	PSG 8308	1.67	82.48	6.67	7.45	87.98	6.61	7.53
NexGen	Penn 1901	3.33	84.69	7.00	7.78	88.72	6.81	7.53
PST	Coronado TDH	3.33	83.06	6.83	7.39	88.10	6.89	7.53
NexGen	Rebel Exeda	10.00	84.96	6.94	7.50	88.95	6.67	7.53
PSG	PSG 82BPRH	0.00	83.53	6.72	7.44	88.37	6.42	7.47
NexGen	ATF1568	0.00	84.42	6.61	7.55	88.62	6.33	7.47
NexGen	ATF1551	1.67	84.96	6.67	7.56	88.83	6.47	7.47
PST	Rain Dance (PST-5SDT)	5.00	84.00	6.72	7.45	88.94	6.33	7.45
PST	PST-5FDR	6.67	80.97	6.94	7.39	86.82	6.86	7.42
NexGen	ATF1618	3.33	84.58	6.45	7.44	88.85	6.22	7.36
NexGen	ATF1491	5.00	83.36	5.94	7.06	88.42	6.11	7.36
PST	PST-5SIS	5.00	83.14	6.39	7.22	88.30	6.22	7.28
DLF	IS-TF 219	1.67	83.00	7.06	7.39	87.88	6.58	7.17
Peak Genetics	KY-31	0.00	89.08	3.95	6.39	91.16	3.81	6.14
	CV	192.56	2.26	4.12	3.02	1.10	3.36	2.32
	LSD (0.05)	9.08	2.58	0.39	0.32	1.32	0.31	0.24
	GRAND MEAN	3.49	84.74	6.96	7.79	88.99	6.76	7.76
	MIN. MEAN	0.00	78.93	3.95	6.39	84.97	3.81	6.14
	MAX. MEAN	30.00	89.08	8.33	8.50	91.82	8.25	8.28

Brown Patch = 1-100; 1=Resistant

Average Percent Green Cover = 1-100; 100=Most Cover (6 ratings)

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

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

Average Percent Green Cover 2011-2012 = 1-100; 100=Most Cover (12 ratings, 2 years of data)

Average Genetic Color 2011-2012 = 1-9; 9=Darkest (12 ratings, 2 years of data)

Average Turf Quality 2011-2012 = 1-9; 9=Best (12 ratings, 2 years of data)

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

2012 Data

Subjective Ratings

SPONSOR	CULTIVAR	Est.	Average Turf Quality
HARD FESCUE (SHEEP)			
NexGen	AHF203	1.00	6.25
Peak Genetics	Blue Ray	1.33	6.17
Peak Genetics	Beacon	1.33	6.17
PSG	3J2927	1.33	6.13
NexGen	AHF181	2.00	6.04
PSG	SR 3150	1.00	6.00
DLF	IS-FL47	1.00	6.00
PSG	AZB (Sheep)	1.33	6.00
PSG	Azay Blue (Sheep)	1.00	6.00
DLF	IS-FL48	1.67	5.92
PSG	3TH3	1.00	5.79
NexGen	AHF204	1.67	5.71
DLF	IS-FL50	1.00	5.71
PST	Bighorn GT (Sheep)	1.00	5.54
PSG	Spartan II	1.00	5.54
PST	4BIL	1.00	5.50
PSG	S2SE	1.67	5.50
PST	4HES	1.00	5.46
NexGen	AHF177	1.33	5.46
NexGen	Viking H2O (AHF188)	1.33	5.46
Rutgers	Firefly	1.00	5.34
DLF	Eureka II	1.00	5.34
DLF	IS-FL46	1.00	5.29
PST	Soil Guard	1.00	5.13
PST	Nanook (4NY)	1.00	4.96
CHEWINGS FESCUE			
NexGen	ACF277	3.33	5.42
PST	Enchantment	3.33	5.42
NexGen	ACF278	2.33	5.38
Peak Genetics	Radar	4.00	5.34
Peak Genetics	PPG-FRC103	3.00	5.25
DLF	Wrigley 2	3.00	5.21
NexGen	ACF261	2.67	5.21
PSG	FC 09-2	3.00	5.17
PST	4CHY	3.33	5.13
PSG	50C3	3.00	5.13
DLF	IS-FRC36	2.67	5.09
DLF	IS-FRC37	3.00	5.04
NexGen	ACF256	2.67	5.04
NexGen	ACF283	3.00	5.04
Peak Genetics	Koket	4.33	5.00
DLF	Longfellow II	2.33	5.00
PST	Heathland (R4TC)	3.67	4.96
DLF	Longfellow III	1.33	4.92
PST	4CHT	3.33	4.92
Rutgers	Intrigue II	2.00	4.83
PST	PST-4C30D	3.00	4.71
PST	4SHR-CH	2.67	4.71
PSG	PSG SPRS	3.00	4.50
NexGen	Culumbra II	3.00	4.50
NexGen	Survivor (ACF266)	2.67	4.46

Subjective Ratings

SPONSOR	CULTIVAR	Est.	Average Turf Quality
STRONG CREEPING RED FESCUE			
Peak Genetics	PPG-FRR106	3.67	5.63
DLF	IS-FRR65	3.00	5.29
Peak Genetics	PPG-FRR105	3.33	5.29
Peak Genetics	PPG-FRR102	3.33	5.25
NexGen	Lustrous	3.00	5.25
PSG	5J51-15	3.00	5.13
NexGen	ASC332	2.67	5.04
NexGen	Pennington ASC295	4.00	5.00
PSG	5RJ1L	2.67	4.96
NexGen	ASC313	2.33	4.96
PSG	ORC 126	3.67	4.92
NexGen	ASC321	2.00	4.92
DLF	IS-FRR68C	2.00	4.92
DLF	IS-FRR62	3.00	4.88
NexGen	ASC320	2.33	4.88
PSG	5RJ1E	2.67	4.84
NexGen	ASC323	2.33	4.80
DLF	Cindy Lou	3.00	4.79
DLF	IS-FRR61	1.33	4.79
NexGen	ASC319	2.00	4.79
Peak Genetics	PPG-FRR103	3.67	4.79
NexGen	ASC333	3.00	4.71
PSG	OS2	1.33	4.67
PST	4GRY	2.67	4.63
Peak Genetics	PPG-FRR104	3.33	4.59
PST	Xeric (4CRD-8)	2.67	4.54
PST	4RED	2.33	4.46
PST	4CR10-08	3.00	4.46
PST	4CRD-U	3.00	4.42
PST	4CRD-P	3.00	4.42
PST	Shademaster III	3.00	4.34
PSG	SO	4.33	4.34
PSG	SDT	3.33	4.21
PSG	Garnet	1.33	4.13
PSG	SHST	3.33	4.04
PSG	SDHT	3.33	4.00
PSG	SG	2.67	3.96
PSG	SHSM	3.00	3.88
PSG	Boreal	3.00	3.63
SLENDER CREEPING RED FESCUE			
NexGen	ASR184	3.00	5.29
PST	4SEA	3.00	5.21
NexGen	ASR176	3.33	5.21
NexGen	ASR181	3.00	4.96
NexGen	ASR172	3.33	4.88
Peak Genetics	Navigator II	4.00	4.75
PSG	PSG 5RM	2.00	4.46
PST	Seabreeze GT	1.33	4.34
PSG	Oracle	2.67	3.88
PSG	07-1FF	2.00	3.29
	CV	23.54	7.50
	LSD (0.05)	0.78	0.51
	GRAND MEAN	2.44	5.02
	MIN. MEAN	1.00	3.29
	MAX. MEAN	4.33	6.25

Est. = Establishment = 1-9; 9=Completely Established
Average Turf Quality = 1-9; 9=Best (8 ratings)

CTBT: 2010 Trial
Tall Fescue Turf Trial
Location: Urbana, Illinois
Cooperator: Dr. Tom Fermerian

2012 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality	Average Genetic Color	Average Turf Quality 2011-2012
DLF	IS-TF 224	7.38	6.83	7.13
DLF	Bullseye	7.24	6.83	7.00
NexGen	ATF1608	7.24	6.67	7.00
NexGen	ATF1613	7.34	7.00	7.00
Rutgers	LW	7.43	7.00	6.98
DLF	IS-TF 233C	7.29	6.67	6.97
PST	Wolfpack II	7.29	7.00	6.92
Peak Genetics	PPG-TF 106	7.05	6.67	6.87
Rutgers	3rd Millennium	7.10	7.17	6.87
PSG	Mustang 4	7.14	7.00	6.85
DLF	IS-TF 227	7.19	6.83	6.85
NexGen	ATF1570	7.05	6.83	6.85
NexGen	ATF1567	6.95	7.00	6.82
PSG	PSG 07-9	7.19	6.83	6.82
DLF	IS-TF 197	7.19	7.00	6.82
NexGen	ATF1571	7.10	6.83	6.82
Rutgers	Rhambler	7.10	6.83	6.80
Peak Genetics	PPG-TF 101	7.10	6.83	6.80
Peak Genetics	PPG-TF 105	6.86	6.83	6.80
Peak Genetics	Firecracker LS	7.09	7.00	6.80
Peak Genetics	Titanium LS	7.00	6.83	6.80
DLF	IS-TF 230B	7.14	7.00	6.80
DLF	IS-TF 231C	7.24	6.83	6.80
DLF	IS-TF 234C	7.24	6.83	6.79
PST	PST-5MCD	7.14	6.83	6.79
NexGen	ATF1611	7.10	6.67	6.79
PST	PST-5DKB	7.05	7.00	6.77
Rutgers	Falcon V	7.19	6.83	6.77
Peak Genetics	PPG-TF 102	7.05	6.67	6.77
Peak Genetics	Spyder LS	7.24	7.00	6.77
PSG	PSG 07-5	7.09	7.17	6.77
DLF	IS-TF 225	7.10	7.00	6.77
PSG	Corona	7.19	7.00	6.77
Peak Genetics	PPG-TF 116	7.00	6.67	6.75
NexGen	ATF1549	6.86	6.83	6.75
PSG	PSG 6008	7.14	6.83	6.74
NexGen	Penn 1901	6.90	7.00	6.74
PSG	PSG 709509	7.05	6.83	6.74
Rutgers	Falcon IV	6.91	7.00	6.72
Peak Genetics	PPG-TF 115	7.05	6.67	6.72
Peak Genetics	PPG-TF 117	7.10	7.00	6.72
DLF	IS-TF 223	6.91	6.50	6.72
PST	PST-5MVD	6.91	6.67	6.72
Rutgers	6351	7.00	6.67	6.72
PST	Swagger (PST-5R05)	7.00	6.83	6.72
PST	PST-5AWT	7.00	6.67	6.72
PST	PST-5SLV	6.91	7.00	6.72
PST	Meridian (PST-5GRB)	6.90	6.50	6.72
NexGen	ATF1548	6.95	6.83	6.72
Rutgers	Shenandoah Elite	7.05	6.83	6.69
Peak Genetics	Raptor II	7.10	6.83	6.69
PSG	PSG 5908	7.09	7.00	6.69
DLF	IS-TF 217	7.05	6.83	6.69
NexGen	ATF1614	7.00	7.17	6.69
NexGen	ATF1566	6.85	6.83	6.67
NexGen	Verti (ATF1612)	6.90	6.50	6.67
NexGen	ATF1621	6.76	6.67	6.67

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality	Average Genetic Color	Average Turf Quality 2011-2012
Rutgers	Catalyst	6.86	6.83	6.64
Rutgers	Finelawn Xpress	7.14	7.00	6.64
Rutgers	Shenandoah III	6.91	6.50	6.64
DLF	IS-TF 219	6.85	6.67	6.64
NexGen	ATF1609	6.81	6.83	6.64
NexGen	ATF1610	6.90	6.50	6.64
Rutgers	Traverse	6.86	7.00	6.59
DLF	Essential	6.95	6.83	6.59
PST	PST-5LIV	6.76	7.00	6.57
PST	Tarnation GT (PST-5T8E)	6.76	6.83	6.57
PST	Cumberland (PST-5R20)	6.85	6.67	6.57
PSG	PSG 8308	6.95	6.67	6.56
PST	PST-5BGR	6.72	6.67	6.56
PST	PST-R5NW	6.90	6.83	6.56
PSG	PSG3905	6.95	6.83	6.54
PSG	STR 86QRH	6.76	7.00	6.54
DLF	IS-TF 215	6.86	6.83	6.54
DLF	IS-TF 226	6.76	6.67	6.54
Rutgers	FCE3	6.62	6.83	6.54
PST	Gazelle II	6.91	6.83	6.54
PSG	PSG 8SP1	6.81	7.00	6.51
PST	PST-5FDR	6.90	6.83	6.51
NexGen	ATF1568	6.81	6.67	6.51
NexGen	ATF1550	6.85	6.67	6.51
NexGen	Rebel Exeda	6.62	6.83	6.51
PST	PST-5SIS	6.86	6.50	6.49
NexGen	ATF1620	6.57	6.83	6.49
PST	PST-5DRP	6.90	7.00	6.48
PST	Coronado TDH	6.71	6.83	6.46
NexGen	ATF1619	6.71	6.67	6.46
PSG	PSG 82BPRH	6.67	6.67	6.44
PSG	PSG 08-6	6.76	6.67	6.44
PST	Rain Saver (PST-5SDS)	6.66	6.67	6.44
NexGen	ATF1551	6.66	6.83	6.44
NexGen	ATF1618	6.57	6.83	6.44
PST	PST-5SXR	6.81	6.67	6.43
NexGen	ATF1569	6.71	6.83	6.43
NexGen	ATF1547	6.76	7.00	6.43
PST	PST-5V4	6.71	6.67	6.41
PST	PST-5YMY	6.57	6.33	6.41
PST	PST-5DVD-07	6.62	6.50	6.41
PSG	Crossfire 3	6.76	6.83	6.38
PSG	PSG 8GRTR	6.66	6.83	6.36
PST	Rain Dance (PST-5SDT)	6.76	6.83	6.36
PST	PST-5SXD	6.57	6.50	6.28
NexGen	ATF1491	6.76	6.50	6.28
Peak Genetics	KY-31	4.76	4.83	4.33
	CV	2.82	3.65	2.69
	LSD (0.05)	0.26	0.33	0.24
	GRAND MEAN	6.92	6.79	6.64
	MIN. MEAN	4.76	4.83	4.33
	MAX. MEAN	7.43	7.17	7.13

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

Average Genetic Color = 1-9; 9=Darkest (2 ratings)

Average Turf Quality 2011-2012 = 1-9; 9=Best (13 ratings, 2 years of data)

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

2012 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Genetic Color	Average Turf Quality
HARD FESCUE (SHEEP)			
NexGen	AHF177	6.67	6.21
NexGen	AHF204	7.00	6.13
NexGen	AHF203	6.83	6.04
NexGen	Viking H2O (AHF188)	6.50	6.00
Peak Genetics	Beacon	6.50	6.00
Rutgers	Firefly	6.50	5.96
NexGen	AHF181	6.67	5.92
DLF	IS-FL48	6.83	5.88
PSG	SR 3150	6.33	5.84
PSG	AZB (Sheep)	6.67	5.80
PST	Nanook (4NY)	6.83	5.75
PSG	3TH3	6.67	5.75
PSG	S2SE	6.50	5.75
PST	Bighorn GT (Sheep)	7.00	5.67
PSG	3J2927	6.50	5.67
PST	4BIL	6.50	5.63
DLF	IS-FL46	6.83	5.63
PSG	Azay Blue (Sheep)	6.67	5.63
PST	4HES	6.67	5.58
DLF	IS-FL50	6.50	5.50
PSG	Spartan II	6.50	5.46
DLF	IS-FL47	6.83	5.42
Peak Genetics	Blue Ray	6.67	5.25
PST	Soil Guard	6.67	5.21
DLF	Eureka II	7.00	5.21
CHEWINGS FESCUE			
PSG	FC 09-2	6.83	6.75
NexGen	ACF277	6.67	6.71
PSG	50C3	6.83	6.63
NexGen	ACF278	6.50	6.63
DLF	IS-FRC36	7.00	6.55
PST	4CHT	6.50	6.54
NexGen	Culumbra II	6.67	6.50
Peak Genetics	PPG-FRC103	7.17	6.50
PST	4SHR-CH	6.50	6.46
Rutgers	Intrigue II	6.83	6.46
DLF	Longfellow II	6.67	6.42
Peak Genetics	Radar	6.50	6.42
PST	PST-4C30D	6.50	6.38
DLF	Wrigley 2	6.67	6.34
NexGen	ACF261	7.00	6.34
NexGen	ACF283	6.67	6.34
PST	Heathland (R4TC)	6.33	6.33
PSG	PSG SPRS	6.50	6.29
PST	Enchantment	6.50	6.25
PST	4CHY	6.17	6.21
DLF	Longfellow III	6.67	6.17
DLF	IS-FRC37	6.83	6.09
NexGen	Survivor (ACF266)	6.83	6.09
Peak Genetics	Koket	6.33	6.09
NexGen	ACF256	7.00	6.04

Subjective Ratings

SPONSOR	CULTIVAR	Average Genetic Color	Average Turf Quality
STONG CREEPING RED FESCUE			
Peak Genetics	PPG-FRR106	6.67	6.80
PSG	5RJ1E	7.00	6.71
PST	4GRY	7.17	6.67
DLF	IS-FRR68C	6.83	6.67
NexGen	ASC321	6.67	6.67
PSG	ORC 126	6.67	6.63
PSG	OS2	7.17	6.63
NexGen	ASC323	6.83	6.63
Peak Genetics	PPG-FRR102	7.00	6.63
NexGen	ASC333	7.00	6.59
Peak Genetics	PPG-FRR104	6.50	6.58
PSG	5RJ1L	7.17	6.55
PSG	Garnet	6.83	6.54
NexGen	ASC313	6.50	6.54
PSG	5J51-15	6.67	6.46
NexGen	ASC332	7.00	6.46
DLF	IS-FRR65	6.83	6.42
NexGen	Lustrous	6.33	6.42
PST	4CRD-U	6.83	6.42
PST	4RED	7.00	6.42
NexGen	Pennington ASC295	7.00	6.38
NexGen	ASC319	6.83	6.38
Peak Genetics	PPG-FRR103	6.67	6.38
Peak Genetics	PPG-FRR105	6.83	6.38
PSG	SO	6.67	6.34
DLF	IS-FRR61	6.83	6.34
NexGen	ASC320	6.83	6.34
PSG	SDT	6.50	6.29
PST	Xeric (4CRD-8)	6.83	6.25
PST	4CRD-P	6.67	6.25
PST	4CR10-08	7.17	6.25
DLF	IS-FRR62	7.00	6.25
DLF	Cindy Lou	6.33	6.21
PSG	SG	6.67	6.17
PSG	SHST	6.33	6.13
PST	Shademaster III	6.67	6.04
PSG	SDHT	6.17	6.00
PSG	Boreal	6.67	6.00
PSG	SHSM	6.50	5.92
SLENDER CREEPING RED FESCUE			
NexGen	ASR172	6.67	6.67
PSG	PSG 5RM	6.83	6.54
NexGen	ASR184	6.33	6.54
Peak Genetics	Navigator II	6.83	6.46
NexGen	ASR181	6.17	6.42
NexGen	ASR176	6.33	6.33
PST	Seabreeze GT	6.50	6.13
PSG	Oracle	6.17	6.13
PST	4SEA	6.17	6.09
PSG	07-1FF	6.83	5.96
	CV	4.59	4.40
	LSD (0.05)	0.41	0.37
	GRAND MEAN	6.69	6.22
	MIN. MEAN	6.17	5.21
	MAX. MEAN	7.17	6.80

Average Genetic Color = 1-9; 9=Darkest (2 ratings)

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

CTBT: 2010 Trial
 Tall Fescue Turf Trial
 Location: Berry, Kentucky
 Cooperator: Kevin Blanchett

2012 Data

SPONSOR	CULTIVAR	Subjective Ratings			Digital Image Analysis							
		Leaf Texture	Average Turf Quality	Average Turf Quality 2011-2012	Average Cover	Average Genetic Color	Average Density	Average Turf Quality	Average Cover 2011-2012	Average Genetic Color 2011-2012	Average Density 2011-2012	Average Turf Quality 2011-2012
Rutgers	6351	4.33	5.42	5.17	7.25	5.33	5.28	6.64	7.40	4.13	5.67	6.60
Peak Genetics	PPG-TF 105	5.67	4.80	4.48	7.39	4.89	5.61	6.95	7.43	4.07	5.52	6.58
PSG	PSG 07-5	5.00	4.58	4.52	7.20	6.08	4.75	6.67	7.31	5.18	4.98	6.58
DLF	IS-TF 225	6.00	4.46	4.14	7.06	5.22	5.64	6.72	7.12	4.44	5.62	6.52
Rutgers	Shenandoah III	5.00	5.17	4.79	7.08	4.94	5.44	6.61	7.18	4.10	5.63	6.48
Peak Genetics	PPG-TF 102	3.00	4.21	4.46	7.05	5.11	5.44	6.61	7.20	4.37	5.47	6.46
PST	PST-5AWT	6.33	4.84	4.83	7.19	5.17	5.86	6.89	7.01	4.49	5.64	6.44
DLF	IS-TF 215	4.33	5.13	5.02	7.25	4.89	5.33	6.58	7.29	4.27	5.35	6.40
DLF	IS-TF 219	5.00	3.88	3.65	7.22	5.30	5.31	6.69	7.09	4.80	5.23	6.39
PST	PST-5MVD	3.67	3.84	3.75	7.11	4.78	6.28	6.92	6.96	4.41	5.58	6.35
Rutgers	Falcon V	4.67	4.17	4.27	7.22	5.03	5.67	6.75	7.00	4.74	5.23	6.30
PSG	Corona	4.67	4.34	4.15	7.08	6.05	4.83	6.61	6.88	5.57	4.83	6.29
NexGen	Rebel Exeda	4.33	4.42	4.27	7.03	5.42	5.25	6.61	7.00	4.42	5.30	6.29
Rutgers	Shenandoah Elite	5.67	4.75	4.75	6.95	4.92	5.36	6.39	7.02	4.30	5.35	6.26
NexGen	ATF1620	4.67	4.42	4.40	6.86	5.00	5.08	6.28	7.11	4.02	5.37	6.26
PST	PST-5FDR	4.33	4.38	4.23	7.03	5.50	5.06	6.42	7.09	4.41	5.21	6.26
NexGen	ATF1621	3.67	4.55	4.38	7.05	4.83	5.39	6.36	7.19	3.78	5.47	6.26
NexGen	ATF1614	4.67	4.42	4.17	7.03	4.86	5.39	6.41	7.20	4.28	5.19	6.25
Peak Genetics	PPG-TF 117	4.00	3.88	4.17	6.92	6.30	5.17	6.61	6.78	5.14	5.27	6.25
Peak Genetics	Spyder LS	6.00	4.46	4.19	7.00	5.50	5.25	6.53	6.92	5.05	4.99	6.18
DLF	Bullseye	3.67	3.25	3.57	7.06	5.42	5.41	6.66	6.75	5.31	5.00	6.17
NexGen	ATF1568	5.00	4.25	3.90	6.97	5.08	5.39	6.44	6.97	4.58	5.13	6.15
PST	PST-5LIV	4.00	3.96	3.77	7.08	5.53	5.03	6.47	6.95	4.84	4.89	6.12
PST	PST-R5NW	3.67	3.63	3.84	7.06	5.58	5.22	6.61	6.86	4.59	5.08	6.12
Rutgers	Rhambler	5.00	3.96	3.96	6.83	5.47	5.39	6.47	6.71	4.54	5.32	6.11
DLF	IS-TF 217	4.67	4.63	4.21	6.97	5.03	5.08	6.44	6.97	4.50	4.88	6.10
PSG	PSG 8GRTR	4.67	4.08	3.81	7.11	5.81	4.22	6.22	7.06	4.74	4.56	6.08
PST	PST-5MCD	4.67	3.33	3.57	7.36	5.61	4.97	6.78	6.92	5.08	4.68	6.08
DLF	IS-TF 230B	6.67	4.38	4.36	6.86	5.78	4.47	6.22	6.92	5.18	4.62	6.07
PST	PST-5DKB	3.67	4.63	4.52	6.72	5.36	4.91	6.14	6.85	4.60	5.01	6.06
NexGen	ATF1549	6.00	3.92	3.85	7.11	5.69	4.91	6.47	6.82	5.05	4.85	6.06
NexGen	ATF1618	4.67	3.38	3.21	7.08	5.05	5.44	6.67	6.83	4.45	5.04	6.06
PSG	Mustang 4	4.00	3.33	3.60	7.14	5.53	4.92	6.50	6.81	5.09	4.80	6.05
Rutgers	LW	5.33	4.04	4.02	6.81	5.47	5.33	6.45	6.57	5.28	5.01	6.05
NexGen	ATF1569	5.00	4.54	4.48	6.61	4.67	5.17	6.00	6.89	3.74	5.35	6.04
PST	PST-5SIS	4.33	3.67	4.00	6.45	4.94	5.53	6.22	6.71	4.05	5.33	6.04
Peak Genetics	PPG-TF 101	4.33	3.88	4.09	7.14	5.44	4.92	6.44	6.82	4.73	4.95	6.03
Rutgers	FCE3	4.67	3.88	4.02	7.00	5.67	4.86	6.36	6.80	5.06	4.72	6.02
DLF	IS-TF 233C	5.00	4.34	4.40	7.05	5.58	4.83	6.39	6.82	5.04	4.71	6.02
PST	Tarnation GT (PST-5T8E)	3.67	3.21	3.33	6.58	6.08	4.70	6.17	6.75	5.35	4.60	5.99
Peak Genetics	Titanium LS	4.00	3.75	3.65	6.66	5.33	5.22	6.25	6.57	4.81	5.12	5.98
PST	Swagger (PST-5R05)	5.67	4.00	3.94	6.89	5.36	5.03	6.36	6.78	4.36	5.01	5.98
PSG	PSG 8SP1	5.00	3.67	3.73	7.06	5.81	4.61	6.33	6.87	4.96	4.55	5.95
NexGen	Verti (ATF1612)	4.67	3.00	3.31	6.97	5.31	5.05	6.44	6.61	5.24	4.67	5.92
PST	PST-5DVD-07	3.67	3.79	3.69	6.86	5.39	5.30	6.47	6.57	5.08	4.85	5.91
NexGen	ATF1609	3.67	3.92	3.96	7.00	5.45	4.44	6.19	6.92	4.83	4.45	5.90
DLF	Essential	5.33	3.75	3.92	6.67	5.47	4.89	6.03	6.62	4.77	5.02	5.90
NexGen	Penn 1901	4.00	3.75	3.63	7.03	5.81	4.64	6.31	6.84	5.04	4.53	5.89
NexGen	ATF1566	4.00	3.96	3.96	6.81	4.86	5.33	6.25	6.66	4.32	4.92	5.82
PST	Coronado TDH	5.00	3.79	3.59	6.61	5.83	4.72	6.08	6.63	5.18	4.57	5.82
PST	PST-5DRP	3.67	3.88	3.92	6.86	4.89	5.00	6.20	6.76	4.43	4.65	5.81
PSG	Crossfire 3	5.33	3.50	3.73	6.70	6.00	4.50	6.09	6.49	5.43	4.60	5.80
PSG	PSG 8308	4.67	3.75	3.63	7.08	5.89	4.28	6.19	6.74	5.32	4.22	5.79
PST	PST-5SXR	5.67	3.46	3.50	7.03	5.11	5.36	6.53	6.41	4.83	4.88	5.77
NexGen	ATF1548	4.33	3.09	3.19	6.94	5.33	5.00	6.33	6.59	5.10	4.51	5.76
PSG	STR 86QRH	4.67	3.42	3.34	6.89	6.09	4.72	6.30	6.51	5.79	4.27	5.75
DLF	IS-TF 197	5.33	3.75	3.90	6.75	6.03	4.67	6.14	6.41	5.49	4.59	5.74
DLF	IS-TF 224	3.67	3.63	3.75	6.58	5.53	4.72	5.94	6.43	5.22	4.58	5.73
NexGen	ATF1613	4.33	3.46	3.73	6.69	5.33	5.17	6.22	6.35	4.95	4.90	5.73
PST	PST-5SXD	4.33	3.67	3.86	7.00	5.20	4.61	6.06	6.70	4.72	4.49	5.69
PST	Meridian (PST-5GRB)	5.00	3.63	3.75	6.72	4.86	4.83	5.97	6.65	4.46	4.62	5.67
NexGen	ATF1550	4.67	3.33	3.36	6.97	5.42	4.78	6.22	6.49	5.08	4.49	5.65
Rutgers	3rd Millennium	3.67	3.00	3.63	6.28	5.83	4.78	5.89	6.19	5.29	4.64	5.63
NexGen	ATF1551	3.67	2.46	2.69	6.75	5.89	4.33	6.00	6.44	5.64	4.07	5.59
DLF	IS-TF 223	3.67	2.96	3.21	6.89	5.78	4.91	6.36	6.33	5.42	4.39	5.58
DLF	IS-TF 234C	4.67	3.29	3.79	6.75	6.53	4.31	6.11	6.30	5.84	4.25	5.58
NexGen	ATF1491	4.67	2.63	2.88	6.78	5.83	4.31	5.86	6.61	5.01	4.29	5.58
Peak Genetics	Firecracker LS	4.67	3.67	3.75	6.33	5.47	5.20	6.03	6.10	5.22	4.73	5.57
NexGen	ATF1547	4.67	3.09	3.21	6.75	5.75	4.25	5.89	6.45	5.39	4.08	5.54
Rutgers	Falcon IV	5.33	3.71	3.73	6.14	5.61	4.78	5.69	6.22	4.90	4.70	5.52
NexGen	ATF1570	5.00	3.59	3.75	6.11	5.50	4.72	5.58	6.19	4.73	4.84	5.51
PST	Wolfpack II	4.00	3.13	3.46	6.72	5.92	4.45	6.00	6.27	5.54	4.31	5.50
Rutgers	Finelawn Xpress	5.00	3.67	3.81	6.33	5.67	4.42	5.61	6.28	4.88	4.62	5.50
PST	Cumberland (PST-5R20)	3.33	3.30	3.48	6.17	5.08	5.05	5.64	6.20	4.63	4.79	5.49

SPONSOR	CULTIVAR	Subjective Ratings			Digital Image Analysis							
		Leaf Texture	Average Turf Quality	Average Turf Quality 2011-2012	Average Cover	Average Genetic Color	Average Density	Average Turf Quality	Average Cover 2011-2012	Average Genetic Color 2011-2012	Average Density 2011-2012	Average Turf Quality 2011-2012
PST	PST-5BGR	4.33	3.67	3.48	6.67	6.03	4.47	6.08	6.12	5.71	4.20	5.48
PSG	PSG 08-6	4.33	3.33	3.56	6.61	5.83	4.45	5.94	6.29	5.09	4.37	5.47
PSG	PSG 07-9	5.67	3.13	3.19	6.33	6.78	4.39	6.00	5.93	6.17	4.27	5.47
PST	PST-5YMY	4.00	3.71	3.69	6.50	4.78	5.06	5.83	6.33	3.97	4.88	5.46
PSG	PSG 82BPRH	6.67	3.83	3.69	6.61	5.80	4.50	5.97	6.18	5.14	4.40	5.44
DLF	IS-TF 226	6.00	4.29	4.00	6.19	5.78	4.44	5.61	6.05	5.06	4.60	5.42
NexGen	ATF1610	5.00	3.08	3.25	6.33	5.47	5.28	6.00	6.09	5.09	4.60	5.42
PST	PST-5SLV	5.33	3.42	3.48	6.44	6.25	4.17	5.75	6.07	5.74	4.15	5.38
DLF	IS-TF 231C	3.67	3.33	3.50	6.05	6.11	4.39	5.53	6.04	5.40	4.46	5.37
NexGen	ATF1611	5.67	3.67	3.92	6.03	5.72	4.75	5.61	6.05	5.16	4.54	5.37
PST	PST-5V4	3.00	2.33	2.56	6.28	6.00	4.25	5.61	6.11	5.64	4.07	5.35
NexGen	ATF1567	4.00	2.92	3.17	6.31	5.50	4.75	5.80	5.90	5.22	4.51	5.34
Rutgers	Traverse	4.67	3.96	4.15	6.17	5.44	4.14	5.25	6.32	4.88	4.24	5.34
Peak Genetics	PPG-TF 106	4.67	3.25	3.44	5.92	5.44	4.72	5.50	5.96	5.31	4.47	5.32
PST	Gazelle II	5.00	2.63	3.15	6.59	6.33	4.03	5.89	6.07	5.86	3.88	5.32
NexGen	ATF1571	5.00	2.92	3.29	6.39	5.67	4.39	5.75	5.90	5.41	4.34	5.28
NexGen	ATF1619	4.67	3.46	3.56	6.31	5.72	4.45	5.58	6.02	5.06	4.38	5.27
Peak Genetics	PPG-TF 115	4.67	3.21	3.50	6.39	5.67	4.75	5.86	5.79	5.25	4.55	5.27
PST	Rain Dance (PST-5SDT)	4.67	3.00	3.09	5.91	5.39	5.25	5.69	5.76	5.12	4.65	5.24
Peak Genetics	PPG-TF 116	5.33	3.63	3.90	6.03	5.58	4.25	5.33	6.06	5.13	4.25	5.23
NexGen	ATF1608	6.33	3.54	3.60	5.64	5.09	4.89	5.19	5.78	4.98	4.62	5.17
PSG	PSG 5908	5.33	3.25	3.38	5.94	6.42	3.78	5.25	5.89	5.76	3.96	5.16
Peak Genetics	KY-31	3.00	3.00	2.92	6.28	4.36	4.58	5.42	6.13	3.74	4.38	5.12
DLF	IS-TF 227	3.67	2.71	3.17	5.66	5.45	4.91	5.36	5.57	5.19	4.56	5.08
Rutgers	Catalyst	5.33	3.25	3.42	5.89	5.86	4.22	5.30	5.76	5.51	4.06	5.04
PSG	PSG3905	4.33	2.67	2.94	6.25	6.69	3.44	5.36	5.70	6.07	3.68	4.98
PST	Rain Saver (PST-5SDS)	6.00	3.54	3.59	5.94	5.58	4.31	5.33	5.65	5.28	4.13	4.96
Peak Genetics	Raptor II	5.33	3.00	3.35	5.92	5.89	4.25	5.33	5.47	5.62	4.11	4.93
PSG	PSG 709509	4.67	2.79	3.11	5.89	6.36	3.86	5.20	5.55	5.88	3.80	4.87
PSG	PSG 6008	4.00	2.46	2.92	5.19	6.97	3.81	4.78	4.94	6.24	3.66	4.48
CV		29.54	29.00	22.21	11.62	14.13	17.75	13.09	13.82	18.78	17.93	13.93
LSD (0.05)		1.86	1.44	1.13	1.05	1.06	1.16	1.08	1.22	1.26	1.14	1.08
GRAND MEAN		4.66	3.69	3.76	6.68	5.55	4.84	6.11	6.52	4.97	4.72	5.77
MIN. MEAN		3.00	2.33	2.56	5.19	4.36	3.44	4.78	4.94	3.74	3.66	4.48
MAX. MEAN		6.67	5.42	5.17	7.39	6.97	6.28	6.95	7.43	6.24	5.67	6.60

Subjective Ratings:

Leaf Texture = 1-9; 9=Fine Leaf

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

Average Turf Quality 2011-2012 = 1-9; 9=Best (8 ratings, 2 years of data)

Digital Image Analysis Ratings:

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

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

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

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

Average Cover 2011-2012 = 1-9; 9=Most Cover (12 ratings, 2 years of data)

Average Genetic Color 2011-2012 = 1-9; 9=Darkest (12 ratings, 2 years of data)

Average Density 2011-2012 = 1-9; 9=Most Dense (12 ratings, 2 years of data)

Average Turf Quality 2011-2012 = 1-9; 9=Best (12 ratings, 2 years of data)

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

2012 Data

SPONSOR	CULTIVAR	Subjective Ratings				Digital Image Analysis			
		Est 4 Weeks	Est 6 Weeks	Summer Patch	Average Turf Quality	Average Cover	Average Genetic Color	Average Density	Average Turf Quality
HARD FESCUE (SHEEP)									
NexGen	AHF203	4.33	3.67	6.67	4.47	7.48	5.67	4.81	7.14
Peak Genetics	Blue Ray	5.00	4.00	6.33	4.27	7.38	6.41	4.14	6.98
NexGen	AHF181	3.67	3.33	6.67	3.80	7.34	5.76	4.79	6.93
PSG	AZB (Sheep)	5.67	5.00	6.67	3.53	7.21	7.12	3.93	6.91
DLF	IS-FL50	4.00	3.33	7.33	3.33	7.38	6.26	4.21	6.90
PST	4HES	2.33	2.00	7.00	3.93	7.38	5.79	4.38	6.88
DLF	IS-FL48	4.33	3.33	6.67	3.73	7.05	5.95	4.90	6.86
Peak Genetics	Beacon	5.00	4.33	5.67	3.93	7.29	6.12	4.19	6.81
Rutgers	Firefly	5.33	4.33	7.33	3.73	7.41	6.02	4.00	6.74
PST	Bighorn GT (Sheep)	4.33	3.67	6.00	3.87	6.86	6.88	4.14	6.71
PSG	Azay Blue (Sheep)	4.67	3.67	7.33	3.67	6.95	7.14	3.90	6.71
PSG	3J2927	5.33	4.33	7.33	3.60	7.12	5.83	4.40	6.69
PST	Soil Guard	5.00	3.67	6.00	3.60	7.26	6.29	3.81	6.57
DLF	IS-FL46	4.67	4.00	7.67	3.80	7.17	6.07	3.88	6.52
PST	4BIL	3.67	3.33	6.00	3.80	7.21	5.81	4.12	6.48
PSG	Spartan II	3.00	2.67	7.33	3.87	7.19	5.38	4.48	6.48
PSG	S2SE	4.67	3.33	7.67	3.73	7.33	5.74	3.95	6.47
NexGen	Viking H2O (AHF188)	5.00	4.33	7.00	4.40	6.95	6.10	4.05	6.45
PSG	3TH3	4.00	3.00	5.67	3.33	6.64	6.38	4.19	6.40
NexGen	AHF204	3.33	3.33	5.33	3.47	7.05	5.76	4.16	6.40
DLF	Eureka II	3.67	2.67	5.67	2.80	6.91	7.21	3.45	6.38
PSG	SR 3150	5.67	4.67	6.00	3.87	6.88	5.91	4.14	6.36
DLF	IS-FL47	4.33	3.33	7.00	3.47	6.64	5.83	4.50	6.33
NexGen	AHF177	4.33	3.33	7.00	3.93	6.98	5.86	3.93	6.33
PST	Nanook (4NY)	2.67	2.33	7.33	4.13	6.95	5.64	3.83	6.14
CHEWINGS FESCUE									
DLF	Longfellow III	1.33	1.00	7.00	4.47	6.45	4.83	5.29	6.31
NexGen	ACF283	4.33	4.67	7.67	4.20	6.69	5.95	3.88	6.14
NexGen	Culumbra II	5.00	4.33	6.67	4.47	6.71	5.71	4.10	6.00
PSG	FC 09-2	5.00	4.67	7.00	4.40	6.45	5.74	4.10	5.93
PSG	50C3	4.00	3.67	7.67	4.13	6.41	5.88	4.12	5.93
NexGen	Survivor (ACF266)	5.00	4.67	5.67	4.27	6.69	5.45	3.95	5.90
PST	Enchantment	5.33	4.67	6.33	4.67	6.48	4.79	4.45	5.88
NexGen	ACF256	4.67	3.67	6.67	3.80	6.38	6.26	3.93	5.88
NexGen	ACF278	4.67	4.00	7.67	4.87	6.36	5.40	4.00	5.79
Peak Genetics	Radar	5.33	4.67	8.00	4.60	6.50	5.45	4.05	5.72
DLF	IS-FRC37	5.33	4.67	6.00	4.20	6.26	5.38	3.81	5.71
Peak Genetics	PPG-FRC103	5.33	4.33	8.00	4.00	6.05	5.84	4.07	5.69
Rutgers	Intrigue II	3.67	3.67	7.00	4.27	6.28	5.45	3.97	5.64
DLF	Longfellow II	3.67	3.33	8.00	4.00	6.19	6.12	3.57	5.60
DLF	IS-FRC36	4.33	3.33	7.33	4.53	6.24	5.12	3.98	5.59
PST	4CHY	4.67	4.00	6.33	4.27	6.21	4.50	4.09	5.41
DLF	Wrigley 2	5.00	4.67	6.67	4.33	5.95	5.21	3.81	5.36
NexGen	ACF261	5.00	4.00	7.33	5.20	6.17	5.31	3.78	5.33
NexGen	ACF277	5.33	5.33	7.00	4.73	6.02	5.12	4.05	5.31
PST	Heathland (R4TC)	5.33	5.00	7.33	3.87	5.55	5.59	3.98	5.14
PST	4SHR-CH	4.33	4.00	7.67	4.13	5.90	4.83	3.67	5.14
PST	PST-4C30D	5.00	4.67	5.67	4.27	6.07	5.07	3.52	5.12
PSG	PSG SPRS	5.00	5.00	7.00	4.13	5.81	5.36	3.48	5.05
PST	4CHT	5.67	5.33	7.33	5.07	5.71	4.17	3.97	4.91
Peak Genetics	Koket	6.33	7.67	7.00	3.80	5.69	5.15	3.40	4.88

SPONSOR	CULTIVAR	Subjective Ratings				Digital Image Analysis			
		Est 4 Weeks	Est 6 Weeks	Summer Patch	Average Turf Quality	Average Cover	Average Genetic Color	Average Density	Average Turf Quality
STRONG CREEPING RED FESCUE									
Peak Genetics	PPG-FRR102	6.00	5.67	6.67	4.53	6.52	5.24	5.64	6.50
NexGen	Lustrous	6.67	6.00	6.33	4.20	6.38	5.69	5.14	6.41
DLF	IS-FRR61	3.67	3.33	7.00	4.60	6.33	5.57	4.93	6.24
PSG	5RJ1E	5.33	4.33	5.67	3.80	6.38	5.93	4.59	6.21
PST	Shademaster III	4.67	4.00	6.33	3.00	6.26	6.50	4.31	6.17
PST	Xeric (4CRD-8)	5.33	5.00	6.00	3.47	6.17	6.07	4.64	6.09
DLF	IS-FRR68C	3.67	3.33	6.33	3.53	6.24	6.02	4.45	6.02
NexGen	ASC323	5.67	5.00	5.67	3.40	6.38	6.12	4.02	6.00
PSG	5RJ1L	4.33	4.00	7.00	3.60	6.45	6.33	3.81	5.98
NexGen	ASC332	5.33	4.67	6.67	3.80	6.43	5.67	4.33	5.95
PSG	OS2	2.67	2.33	6.67	3.20	5.97	6.40	4.43	5.93
NexGen	ASC333	5.67	5.67	7.00	3.80	6.31	6.10	4.02	5.86
DLF	IS-FRR62	3.67	3.33	7.33	4.33	6.17	5.93	4.29	5.86
NexGen	Pennington ASC295	5.67	5.33	6.67	4.40	6.38	6.29	3.69	5.86
PST	4GRY	6.00	5.00	7.33	3.33	6.09	6.52	4.02	5.81
PSG	Garnet	2.67	2.67	6.67	3.40	6.12	5.81	4.31	5.81
NexGen	ASC319	5.00	4.00	6.00	3.53	6.05	6.36	4.02	5.81
NexGen	ASC321	3.67	3.33	7.33	3.87	6.17	5.93	4.31	5.81
PST	4CRD-P	5.67	5.33	7.00	4.07	6.19	5.98	4.29	5.79
PST	4RED	5.67	5.67	6.33	3.87	6.19	6.59	3.55	5.79
Peak Genetics	PPG-FRR106	7.00	6.00	7.67	4.27	6.12	5.88	4.31	5.79
PSG	5J51-15	7.00	6.00	7.67	3.33	6.17	6.62	3.69	5.76
Peak Genetics	PPG-FRR105	6.33	6.33	6.33	3.80	6.17	5.59	4.35	5.76
DLF	IS-FRR65	5.67	5.67	6.67	3.47	6.38	5.79	3.91	5.72
Peak Genetics	PPG-FRR103	6.67	6.33	6.67	4.07	5.88	5.60	4.38	5.69
NexGen	ASC313	5.33	4.67	7.33	4.13	5.62	5.67	4.84	5.67
PSG	ORC 126	6.67	6.00	6.33	3.53	5.97	5.76	4.26	5.67
PSG	SDT	6.33	5.00	5.67	2.60	5.93	6.17	4.26	5.67
PST	4CRD10-08	6.67	6.67	6.00	3.27	6.00	6.29	3.88	5.59
NexGen	ASC320	4.67	3.67	7.00	3.87	6.12	5.95	4.00	5.57
PST	4CRD-U	6.33	6.67	6.00	3.60	5.98	6.69	3.52	5.55
PSG	SO	7.33	7.00	5.33	2.93	5.88	6.33	3.79	5.52
DLF	Cindy Lou	5.00	4.67	7.00	3.87	5.78	5.67	4.05	5.43
PSG	SDHT	8.00	7.67	6.33	2.73	5.79	6.29	3.45	5.22
Peak Genetics	PPG-FRR104	6.33	5.00	7.67	3.47	5.64	6.26	3.55	5.19
PSG	SG	7.67	8.00	6.33	2.80	5.62	6.33	3.31	5.07
PSG	SHSM	7.33	6.00	5.33	2.47	5.52	6.12	3.62	5.07
PSG	SHST	8.00	7.67	6.00	2.80	5.50	5.95	3.48	5.00
PSG	Boreal	7.33	6.33	5.33	2.53	5.21	6.17	3.69	4.81
SLENDER CREEPING RED FESCUE									
PSG	PSG 5RM	3.33	3.00	6.67	3.67	6.60	5.95	4.28	6.17
PSG	07-1FF	6.33	5.33	3.67	2.47	5.55	6.74	4.88	5.93
Peak Genetics	Navigator II	6.33	6.00	6.00	3.73	6.19	6.19	3.90	5.72
NexGen	ASR184	5.33	5.00	6.33	3.87	6.28	6.00	3.71	5.62
NexGen	ASR181	6.33	5.67	6.67	4.13	5.98	4.62	4.15	5.38
NexGen	ASR172	6.33	5.67	7.33	4.67	6.00	5.00	3.88	5.34
NexGen	ASR176	6.67	7.67	7.00	3.73	6.24	5.43	3.24	5.24
PSG	Oracle	7.00	6.67	4.33	2.60	5.57	5.98	3.79	5.17
PST	4SEA	6.33	6.67	7.00	3.27	5.79	6.07	2.91	4.90
PST	Seabreeze GT	1.33	1.33	6.00	2.87	5.57	5.05	3.69	4.81
	CV	15.90	18.30	16.25	14.18	5.82	9.42	12.21	6.03
	LSD (0.05)	1.09	1.13	1.46	0.73	0.50	0.74	0.67	0.48
	GRAND MEAN	5.10	4.59	6.65	3.81	6.36	5.86	4.07	5.89
	MIN. MEAN	1.33	1.00	3.67	2.47	5.21	4.17	2.91	4.81
	MAX. MEAN	8.00	8.00	8.00	5.20	7.48	7.21	5.64	7.14

Subjective Ratings:
 Est. = Establishment = 1-9; 9=Most Established
 Summer Patch = 1-9; 9=Resistant
 Average Turf Quality = 1-9; 9=Best (5 ratings)

Digital Image Analysis:
 Average Cover = 1-9; 9=Most Cover (7 ratings)
 Average Genetic Color = 1-9; 9=Darkest (7 ratings)
 Average Density = 1-9; 9=Most Dense (7 ratings)
 Average Turf Quality = 1-9; 9=Best (7 ratings)

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

2012 Data

SPONSOR	CULTIVAR	Subjective Ratings			Average Turf Quality
		Percent Cover		Leaf Spot	
		March	April		
HARD FESCUE (SHEEP)					
NexGen	AHF177	43.33	73.33	7.67	6.19
PSG	3J2927	53.33	73.33	7.00	6.05
NexGen	AHF181	36.67	66.67	7.33	6.05
PSG	S2SE	43.33	66.67	8.00	5.95
DLF	IS-FL46	30.00	53.33	7.67	5.90
PSG	AZB (Sheep)	53.33	73.33	8.67	5.90
Rutgers	Firefly	46.67	66.67	7.00	5.86
NexGen	AHF204	36.67	63.33	7.33	5.76
NexGen	Viking H2O (AHF188)	50.00	70.00	6.67	5.76
PSG	Azay Blue (Sheep)	36.67	66.67	7.67	5.76
DLF	IS-FL48	33.33	63.33	8.00	5.71
DLF	IS-FL50	30.00	56.67	6.67	5.67
Peak Genetics	Beacon	33.33	63.33	7.00	5.67
PSG	3TH3	40.00	66.67	6.00	5.62
PSG	Spartan II	20.00	50.00	7.00	5.48
PST	4BIL	26.67	56.67	6.00	5.43
DLF	Eureka II	30.00	56.67	6.33	5.38
DLF	IS-FL47	16.67	46.67	7.67	5.38
PST	Bighorn GT (Sheep)	33.33	60.00	6.00	5.29
PST	Nanook (4NY)	26.67	50.00	6.67	5.29
NexGen	AHF203	30.00	56.67	7.00	5.29
Peak Genetics	Blue Ray	40.00	60.00	7.33	5.24
PSG	SR 3150	33.33	56.67	6.00	5.05
PST	4HES	10.00	40.00	7.00	5.00
PST	Soil Guard	33.33	60.00	6.00	4.90
CHEWINGS FESCUE					
PSG	50C3	23.33	53.33	6.67	6.19
Peak Genetics	Radar	46.67	73.33	6.00	5.95
DLF	Longfellow III	6.67	30.00	7.33	5.86
Rutgers	Intrigue II	26.67	60.00	6.33	5.86
DLF	IS-FRC36	30.00	60.00	6.33	5.86
PSG	FC 09-2	30.00	56.67	6.33	5.81
DLF	IS-FRC37	26.67	56.67	6.33	5.81
DLF	Longfellow II	20.00	53.33	5.67	5.81
NexGen	ACF283	33.33	56.67	5.67	5.67
PST	PST-4C30D	46.67	70.00	5.00	5.62
PST	4CHT	26.67	60.00	5.67	5.62
Peak Genetics	PPG-FRC103	26.67	56.67	5.67	5.62
DLF	Wrigley 2	33.33	63.33	5.33	5.57
NexGen	Survivor (ACF266)	33.33	60.00	5.67	5.52
NexGen	ACF278	20.00	56.67	6.00	5.52
PSG	PSG SPRS	30.00	66.67	5.00	5.48
NexGen	ACF256	30.00	56.67	5.33	5.48
NexGen	ACF261	23.33	60.00	5.67	5.48
PST	4SHR-CH	26.67	56.67	5.00	5.43
PST	4CHY	33.33	60.00	5.67	5.38
PST	Heathland (R4TC)	30.00	60.00	5.33	5.34
PST	Enchantment	36.67	63.33	5.33	5.33
NexGen	Culumbra II	10.00	50.00	5.33	5.33
NexGen	ACF277	26.67	56.67	5.67	5.33
Peak Genetics	Koket	46.67	70.00	3.00	4.00

Subjective Ratings

SPONSOR	CULTIVAR	Percent Cover		Leaf Spot	Average Turf Quality
		March	April		
STRONG CREEPING RED FESCUE					
Peak Genetics	PPG-FRR106	40.00	66.67	6.00	6.24
Peak Genetics	PPG-FRR102	30.00	56.67	7.33	6.19
DLF	IS-FRR62	26.67	50.00	7.00	6.10
Peak Genetics	PPG-FRR104	40.00	60.00	7.33	6.05
PSG	ORC 126	43.33	60.00	6.00	6.05
NexGen	ASC321	23.33	46.67	7.00	6.05
PSG	Garnet	16.67	36.67	7.33	6.00
DLF	IS-FRR61	16.67	36.67	6.67	6.00
PST	4CRD-U	33.33	63.33	5.33	5.95
NexGen	ASC333	23.33	46.67	7.00	5.95
NexGen	ASC319	30.00	46.67	6.33	5.86
PSG	5J51-15	33.33	56.67	7.00	5.85
PSG	5RJ1E	33.33	53.33	6.67	5.81
DLF	Cindy Lou	26.67	53.33	6.00	5.81
DLF	IS-FRR65	33.33	56.67	6.33	5.81
NexGen	Pennington ASC295	33.33	63.33	5.67	5.76
Peak Genetics	PPG-FRR105	36.67	63.33	6.00	5.76
PSG	5RJ1L	36.67	46.67	7.33	5.76
NexGen	Lustrous	33.33	56.67	6.67	5.76
PSG	SO	50.00	70.00	6.00	5.72
PST	4RED	33.33	53.33	5.00	5.71
Peak Genetics	PPG-FRR103	30.00	53.33	5.67	5.71
PST	Xeric (4CRD-8)	33.33	53.33	5.67	5.62
PST	4CRD-P	30.00	53.33	5.33	5.62
PST	4GRY	20.00	46.67	6.67	5.57
DLF	IS-FRR68C	20.00	40.00	7.00	5.57
NexGen	ASC313	26.67	46.67	7.00	5.52
NexGen	ASC332	26.67	46.67	6.67	5.48
PSG	OS2	11.67	36.67	7.33	5.48
NexGen	ASC323	30.00	43.33	6.33	5.48
NexGen	ASC320	20.00	46.67	6.33	5.38
PST	Shademaster III	23.33	56.67	6.00	5.24
PST	4CR10-08	26.67	53.33	5.67	5.10
PSG	SDT	40.00	63.33	4.67	4.90
PSG	SDHT	43.33	63.33	5.00	4.86
PSG	SHST	40.00	63.33	5.00	4.71
PSG	SG	40.00	63.33	4.00	4.52
PSG	SHSM	40.00	60.00	5.67	4.52
PSG	Boreal	43.33	66.67	4.33	4.47
SLENDER CREEPING RED FESCUE					
Peak Genetics	Navigator II	40.00	63.33	6.67	6.19
PSG	PSG 5RM	20.00	46.67	6.67	6.09
NexGen	ASR172	40.00	66.67	6.00	6.00
NexGen	ASR176	46.67	60.00	6.33	5.81
PST	4SEA	33.33	53.33	5.67	5.76
NexGen	ASR184	33.33	56.67	6.33	5.67
NexGen	ASR181	40.00	60.00	6.00	5.57
PST	Seabreeze GT	8.33	26.67	6.67	5.52
PSG	Oracle	30.00	53.33	5.33	4.86
PSG	07-1FF	40.00	56.67	4.33	4.33
	CV	26.24	13.09	13.20	6.49
	LSD (0.05)	11.23	10.04	1.11	0.49
	GRAND MEAN	31.72	56.84	6.24	5.58
	MIN. MEAN	6.67	26.67	3.00	4.00
	MAX. MEAN	53.33	73.33	8.67	6.24

Percent Cover = 1-100; 100=Most Cover

Leaf Spot = 1-9; 9=Resistant

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

CTBT: 2010 Trial
Tall Fescue Turf Trial
Location: St. Paul, Minnesota
Cooperator: Dr. Eric Watkins

2012 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality	Average Turf Quality 2011-2012
Rutgers	3rd Millennium	5.55	6.04
NexGen	ATF1608	6.00	5.96
Rutgers	LW	5.72	5.89
NexGen	ATF1613	5.78	5.89
Rutgers	Finelawn Xpress	5.61	5.89
Peak Genetics	Firecracker LS	5.89	5.85
DLF	IS-TF 197	5.72	5.85
Rutgers	Falcon V	5.39	5.82
Peak Genetics	PPG-TF 102	5.50	5.81
DLF	IS-TF 230B	5.72	5.78
NexGen	Verti (ATF1612)	5.50	5.74
Peak Genetics	PPG-TF 116	5.61	5.70
DLF	IS-TF 227	5.55	5.70
NexGen	ATF1611	5.89	5.70
Peak Genetics	PPG-TF 106	5.28	5.67
DLF	Bullseye	5.61	5.63
NexGen	ATF1571	5.67	5.63
DLF	IS-TF 225	5.50	5.59
NexGen	ATF1568	5.33	5.59
PSG	STR 86QRH	5.39	5.56
PST	Meridian (PST-5GRB)	5.33	5.55
NexGen	ATF1567	5.39	5.52
NexGen	Penn 1901	4.94	5.52
Peak Genetics	Spyder LS	5.45	5.52
PST	PST-5AWT	5.39	5.52
PST	Cumberland (PST-5R20)	5.33	5.52
NexGen	ATF1548	5.50	5.52
NexGen	Rebel Exeda	5.06	5.52
Rutgers	FCE3	5.28	5.48
PST	Wolfpack II	5.33	5.48
NexGen	ATF1570	5.44	5.48
NexGen	ATF1614	5.28	5.48
Rutgers	Falcon IV	5.17	5.48
Rutgers	Shenandoah III	5.56	5.48
NexGen	ATF1609	5.45	5.48
PSG	PSG 08-6	5.44	5.45
PSG	PSG 07-9	5.33	5.45
PST	Gazelle II	5.22	5.45
Rutgers	6351	5.28	5.44
NexGen	ATF1619	5.22	5.44
PSG	PSG 8308	5.11	5.41
PSG	PSG 8SP1	5.11	5.41
DLF	IS-TF 233C	5.33	5.41
DLF	IS-TF 231C	5.06	5.41
DLF	IS-TF 224	5.72	5.37
NexGen	ATF1610	5.50	5.37
PSG	PSG 5908	5.28	5.37
PST	PST-5DVD-07	5.11	5.37
NexGen	ATF1549	5.45	5.37
Peak Genetics	PPG-TF 115	5.50	5.37
PSG	PSG3905	5.22	5.37
PST	PST-5SLV	5.22	5.37
PSG	PSG 07-5	5.39	5.34
Peak Genetics	PPG-TF 105	5.28	5.33
PST	PST-5V4	5.17	5.33
NexGen	ATF1566	5.11	5.33
NexGen	ATF1547	5.05	5.30
Peak Genetics	PPG-TF 117	5.33	5.29

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality	Average Turf Quality 2011-2012
Rutgers	Shenandoah Elite	5.22	5.26
PSG	Mustang 4	5.33	5.26
Rutgers	Catalyst	5.06	5.26
PSG	PSG 6008	5.33	5.26
DLF	Essential	5.05	5.22
Peak Genetics	Titanium LS	5.00	5.22
PSG	PSG 709509	5.00	5.22
PST	PST-5FDR	5.22	5.22
Rutgers	Rhambler	5.06	5.19
PST	PST-5MCD	5.17	5.19
DLF	IS-TF 234C	4.95	5.18
PST	Rain Dance (PST-5SDT)	5.22	5.18
NexGen	ATF1569	4.83	5.18
NexGen	ATF1620	5.00	5.18
NexGen	ATF1621	5.22	5.18
DLF	IS-TF 223	5.05	5.15
PST	Tarnation GT (PST-5T8E)	5.22	5.15
PST	PST-R5NW	5.00	5.15
DLF	IS-TF 226	5.06	5.11
NexGen	ATF1550	5.00	5.11
NexGen	ATF1618	4.94	5.11
DLF	IS-TF 219	4.94	5.07
Peak Genetics	Raptor II	4.94	5.04
PSG	PSG 82BPRH	4.89	5.04
PST	PST-5BGR	4.94	5.04
PST	PST-5DRP	4.94	5.04
PST	PST-5DKB	4.83	5.04
PSG	PSG 8GRTR	4.72	5.00
Peak Genetics	PPG-TF 101	4.72	5.00
PST	PST-5SIS	4.94	5.00
PST	Rain Saver (PST-5SDS)	4.72	5.00
PSG	Crossfire 3	4.78	4.92
Rutgers	Traverse	5.06	4.89
NexGen	ATF1551	4.94	4.89
PSG	Corona	4.83	4.85
PST	PST-5SXD	4.89	4.81
NexGen	ATF1491	4.61	4.81
PST	PST-5SXR	4.72	4.78
DLF	IS-TF 215	4.78	4.74
PST	Swagger (PST-5R05)	4.72	4.74
PST	Coronado TDH	4.67	4.74
PST	PST-5LIV	4.67	4.67
DLF	IS-TF 217	4.83	4.63
PST	PST-5YMY	4.89	4.63
PST	PST-5MVD	4.50	4.59
Peak Genetics	KY-31	1.28	1.29
	CV	8.57	8.09
	LSD (0.05)	0.60	0.58
	GRAND MEAN	5.17	5.28
	MIN. MEAN	1.28	1.29
	MAX. MEAN	6.00	6.04

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

Average Turf Quality 2011-2012 = 1-9; 9=Best (9 ratings, 2 years of data)

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

2012 Data

Subjective Ratings

SPONSOR	CULTIVAR	Est.	Average Turf Quality
HARD FESCUE (SHEEP)			
Peak Genetics	Beacon	6.67	6.14
PSG	3TH3	6.67	6.05
DLF	IS-FL46	4.33	6.00
PST	4BIL	6.33	5.95
PSG	Spartan II	3.33	5.86
PST	4HES	5.67	5.76
PST	Nanook (4NY)	2.67	5.67
PSG	SR 3150	2.00	5.67
DLF	IS-FL47	4.00	5.67
NexGen	AHF177	3.67	5.62
NexGen	Viking H2O (AHF188)	6.67	5.52
NexGen	AHF203	5.67	5.43
Rutgers	Firefly	6.33	5.43
NexGen	AHF181	6.67	5.29
PST	Soil Guard	7.00	5.19
DLF	IS-FL50	4.33	5.19
Peak Genetics	Blue Ray	5.67	5.19
PSG	3J2927	4.67	5.14
NexGen	AHF204	4.67	5.10
PSG	S2SE	5.00	5.05
PST	Bighorn GT (Sheep)	5.33	5.00
PSG	Azay Blue (Sheep)	4.33	4.62
DLF	Eureka II	4.00	4.52
DLF	IS-FL48	5.33	4.33
PSG	AZB (Sheep)	3.00	4.14
CHEWINGS FESCUE			
PSG	50C3	7.33	6.43
PST	4CHT	8.00	6.29
DLF	IS-FRC36	8.00	6.14
Rutgers	Intrigue II	7.67	6.05
NexGen	ACF256	7.33	6.00
Peak Genetics	PPG-FRC103	8.00	5.81
NexGen	ACF277	7.67	5.67
DLF	Longfellow II	8.33	5.62
PST	4CHY	8.33	5.57
PST	4SHR-CH	8.00	5.43
NexGen	ACF283	7.33	5.43
DLF	IS-FRC37	7.67	5.38
PST	Heathland (R4TC)	8.33	5.33
NexGen	ACF278	9.00	5.33
NexGen	Culumbra II	8.00	5.29
Peak Genetics	Radar	8.33	5.29
NexGen	ACF261	9.00	5.19
PST	PST-4C30D	7.67	5.14
PST	Enchantment	7.33	5.14
NexGen	Survivor (ACF266)	8.00	5.14
PSG	PSG SPRS	8.33	5.10
DLF	Wrigley 2	7.67	5.10
PSG	FC 09-2	7.00	4.91
DLF	Longfellow III	2.67	4.91
Peak Genetics	Koket	9.00	4.04

Subjective Ratings

SPONSOR	CULTIVAR	Est.	Average Turf Quality
STRONG CREEPING RED FESCUE			
DLF	IS-FRR68C	7.00	6.10
PSG	OS2	6.67	6.00
Peak Genetics	PPG-FRR104	8.00	5.76
DLF	IS-FRR65	8.00	5.66
NexGen	ASC313	7.00	5.62
NexGen	ASC332	7.00	5.62
Peak Genetics	PPG-FRR105	8.33	5.43
PSG	5RJ1E	6.33	5.38
PST	4GRY	8.00	5.38
NexGen	ASC319	7.67	5.38
PST	4RED	7.33	5.34
PST	Shademaster III	8.00	5.33
DLF	IS-FRR61	7.67	5.29
NexGen	ASC333	7.67	5.29
PSG	Garnet	6.00	5.24
NexGen	ASC320	8.00	5.19
DLF	IS-FRR62	7.33	5.14
NexGen	Lustrous	8.33	5.14
Peak Genetics	PPG-FRR102	7.33	5.10
NexGen	Pennington ASC295	8.67	5.09
PST	4CR10-08	8.00	5.05
PSG	ORC 126	8.33	5.05
NexGen	ASC323	8.00	5.00
PSG	5RJ1L	7.00	5.00
DLF	Cindy Lou	8.33	5.00
Peak Genetics	PPG-FRR103	8.00	5.00
Peak Genetics	PPG-FRR106	8.33	4.95
PST	Xeric (4CRD-8)	8.00	4.86
PST	4CRD-P	8.67	4.86
NexGen	ASC321	7.67	4.81
PST	4CRD-U	8.67	4.76
PSG	5J51-15	7.33	4.76
PSG	SDHT	8.33	3.91
PSG	SHST	8.67	3.76
PSG	SG	9.00	3.67
PSG	SDT	8.00	3.62
PSG	Boreal	8.67	3.57
PSG	SHSM	9.00	3.48
PSG	SO	8.33	3.38
SLENDER CREEPING RED FESCUE			
NexGen	ASR181	8.00	6.43
NexGen	ASR172	8.00	6.00
PST	4SEA	8.33	5.71
NexGen	ASR176	8.67	5.62
Peak Genetics	Navigator II	8.00	5.62
NexGen	ASR184	7.67	5.33
PSG	PSG 5RM	7.00	5.29
PST	Seabreeze GT	5.33	4.81
PSG	Oracle	9.00	3.86
PSG	07-1FF	8.67	3.15
	CV	16.29	10.61
	LSD (0.05)	1.56	0.74
	GRAND MEAN	7.10	5.19
	MIN. MEAN	2.00	3.15
	MAX. MEAN	9.00	6.43

Est. = Establishment = 1-9; 9=Most Established
Average Turf Quality = 1-9; 9=Best (7 ratings)

CTBT: 2010 Trial

2012 Data

Tall Fescue Turf Trial

Location: Rolesville, North Carolina

Cooperator: Dr. Melodee Fraser

Subjective Ratings

SPONSOR	CULTIVAR	Subjective Ratings	
		Average Turf Quality	Average Turf Quality 2011-2012
Peak Genetics	PPG-TF 106	6.81	6.40
PST	Cumberland (PST-5R20)	6.48	6.10
Peak Genetics	PPG-TF 105	5.59	5.84
PST	PST-5MCD	6.04	5.76
PST	Swagger (PST-5R05)	5.74	5.71
PST	Meridian (PST-5GRB)	6.00	5.38
NexGen	ATF1549	5.81	5.30
PST	PST-5BGR	5.33	5.29
NexGen	ATF1567	5.22	5.29
PST	Rain Dance (PST-5SDT)	5.04	5.26
PST	PST-5MVD	5.34	5.22
DLF	IS-TF 224	5.37	5.21
NexGen	ATF1610	5.00	5.14
NexGen	ATF1618	5.04	5.13
NexGen	Verti (ATF1612)	5.33	4.98
NexGen	ATF1569	4.96	4.97
PST	PST-5DKB	4.85	4.95
NexGen	ATF1550	4.59	4.93
NexGen	ATF1609	4.59	4.90
Peak Genetics	PPG-TF 115	4.74	4.89
NexGen	ATF1548	4.66	4.81
NexGen	ATF1611	4.00	4.71
DLF	IS-TF 226	4.93	4.64
NexGen	ATF1619	4.22	4.63
PST	PST-5SLV	4.33	4.62
NexGen	ATF1570	4.26	4.59
NexGen	ATF1566	4.63	4.51
NexGen	ATF1620	4.22	4.46
NexGen	ATF1551	4.34	4.45
PST	Rain Saver (PST-5SDS)	4.11	4.38
NexGen	ATF1621	3.78	4.38
NexGen	ATF1547	4.29	4.35
NexGen	ATF1608	3.92	4.32
PST	Tarnation GT (PST-5T8E)	4.29	4.27
PST	PST-5YMY	4.29	4.24
PST	PST-5V4	3.70	4.21
Peak Genetics	PPG-TF 116	3.96	4.20
DLF	IS-TF 227	4.00	4.19
NexGen	ATF1571	3.63	4.15
DLF	IS-TF 219	4.07	4.14
PST	PST-5DRP	3.48	4.13
NexGen	ATF1613	3.92	4.13
PST	PST-5FDR	3.07	4.03
PSG	PSG 07-5	3.52	3.98
Peak Genetics	PPG-TF 102	3.11	3.94
DLF	IS-TF 234C	2.70	3.94
DLF	IS-TF 231C	2.81	3.90
Peak Genetics	Raptor II	3.19	3.87
PST	PST-R5NW	3.41	3.87
NexGen	ATF1614	3.00	3.87
NexGen	Penn 1901	3.11	3.87
DLF	IS-TF 223	2.89	3.83
NexGen	ATF1568	3.04	3.81
DLF	IS-TF 215	3.22	3.79
PST	Gazelle II	2.63	3.71
PST	PST-5SXR	2.59	3.68
PST	Coronado TDH	3.22	3.64
PST	PST-5LIV	3.00	3.63

Subjective Ratings

SPONSOR	CULTIVAR	Subjective Ratings	
		Average Turf Quality	Average Turf Quality 2011-2012
Rutgers	Shenandoah III	2.19	3.62
Peak Genetics	PPG-TF 101	2.59	3.60
PSG	PSG 07-9	3.37	3.60
Peak Genetics	PPG-TF 117	2.29	3.49
Rutgers	LW	2.22	3.48
DLF	IS-TF 233C	2.48	3.46
PST	PST-5AWT	2.04	3.45
NexGen	Rebel Exeda	2.89	3.43
DLF	IS-TF 230B	1.82	3.43
PST	PST-5DVD-07	2.44	3.40
PSG	PSG 82BPRH	2.26	3.38
Rutgers	Rhambler	2.33	3.35
Rutgers	Traverse	1.89	3.32
DLF	IS-TF 225	2.00	3.30
Peak Genetics	Titanium LS	1.89	3.28
Peak Genetics	Spyder LS	2.18	3.27
PST	Wolfpack II	2.15	3.22
PSG	PSG 8308	2.44	3.22
Rutgers	Falcon V	1.81	3.21
Rutgers	Falcon IV	2.15	3.19
DLF	IS-TF 217	2.33	3.19
PSG	STR 86QRH	2.04	3.19
PST	PST-5SIS	1.93	3.19
PSG	PSG 8SP1	1.85	3.15
NexGen	ATF1491	2.44	3.14
PSG	Mustang 4	1.67	3.13
Rutgers	3rd Millennium	1.82	3.11
Rutgers	Finelawn Xpress	1.63	3.11
PSG	PSG 709509	2.63	3.09
PSG	PSG3905	1.74	3.08
Rutgers	Shenandoah Elite	1.59	3.06
PSG	Corona	2.15	3.05
PSG	PSG 08-6	2.15	3.02
DLF	IS-TF 197	1.19	3.01
PSG	Crossfire 3	1.70	2.94
Rutgers	FCE3	1.67	2.92
Peak Genetics	Firecracker LS	1.26	2.90
PSG	PSG 5908	1.19	2.89
PSG	PSG 8GRTR	1.67	2.89
PSG	PSG 6008	1.33	2.87
Rutgers	Catalyst	1.07	2.78
DLF	Essential	1.26	2.73
DLF	Bullseye	1.18	2.71
PST	PST-5SXD	1.45	2.70
Rutgers	6351	1.00	2.67
Peak Genetics	KY-31	2.04	2.18
	CV	27.47	15.25
	LSD (0.05)	1.20	0.81
	GRAND MEAN	3.24	3.93
	MIN. MEAN	1.00	2.18
	MAX. MEAN	6.81	6.40

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

Average Turf Quality 2011-2012 = 1-9; 9=Best (21 ratings, 2 years of data)

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

2012 Data

Subjective Ratings			
SPONSOR	CULTIVAR	Average Winter Turf Quality	Average Turf Quality
HARD FESCUE (SHEEP)			
DLF	IS-FL48	5.42	6.56
NexGen	AHF203	5.25	6.48
Peak Genetics	Blue Ray	6.58	6.22
DLF	IS-FL47	4.67	6.19
PSG	Spartan II	5.08	6.07
PSG	3TH3	4.75	6.04
NexGen	AHF181	5.83	6.04
PSG	3J2927	5.42	5.96
NexGen	AHF177	4.92	5.81
Peak Genetics	Beacon	5.67	5.81
DLF	IS-FL46	4.67	5.78
DLF	IS-FL50	4.25	5.78
Rutgers	Firefly	5.17	5.63
PST	Bighorn GT (Sheep)	6.33	5.52
NexGen	AHF204	5.50	5.52
NexGen	Viking H2O (AHF188)	5.50	5.52
PST	4HES	5.25	5.48
PSG	AZB (Sheep)	6.00	5.22
PST	4BIL	5.33	5.22
PSG	Azay Blue (Sheep)	5.25	5.22
PSG	SR 3150	4.83	5.15
PSG	S2SE	5.00	4.85
PST	Nanook (4NY)	4.50	4.74
PST	Soil Guard	5.58	4.67
DLF	Eureka II	4.17	4.11
CHEWINGS FESCUE			
Peak Genetics	Radars	6.58	5.48
DLF	Wrigley 2	5.33	5.37
Rutgers	Intrigue II	5.92	5.29
DLF	Longfellow III	4.00	5.22
DLF	IS-FRC36	5.83	5.11
Peak Genetics	PPG-FRC103	5.42	5.07
PSG	50C3	6.00	4.96
NexGen	ACF261	6.50	4.93
NexGen	ACF283	5.92	4.93
PST	Heathland (R4TC)	5.83	4.81
NexGen	ACF277	5.92	4.81
NexGen	ACF256	5.67	4.78
DLF	IS-FRC37	5.92	4.78
PST	4CHT	5.67	4.70
PSG	FC 09-2	5.42	4.63
PST	Enchantment	5.58	4.55
PSG	PSG SPRS	5.75	4.48
DLF	Longfellow II	5.67	4.44
NexGen	Survivor (ACF266)	5.67	4.41
PST	PST-4C30D	6.25	4.33
NexGen	ACF278	6.67	4.30
PST	4CHY	5.92	4.15
NexGen	Culumbra II	5.58	4.07
PST	4SHR-CH	5.83	3.93
Peak Genetics	Koket	5.08	2.82

Subjective Ratings			
SPONSOR	CULTIVAR	Average Winter Turf Quality	Average Turf Quality
STRONG CREEPING RED FESCUE			
Peak Genetics	PPG-FRR102	5.42	4.67
NexGen	ASC313	4.83	4.37
NexGen	Pennington ASC295	5.42	4.04
NexGen	ASC320	4.83	4.04
PSG	OS2	4.42	4.00
DLF	IS-FRR65	5.58	3.96
NexGen	ASC332	4.92	3.96
DLF	IS-FRR68C	4.92	3.85
DLF	IS-FRR61	5.00	3.82
PSG	5J51-15	5.17	3.78
Peak Genetics	PPG-FRR106	5.00	3.71
PSG	5RJ1E	6.08	3.67
Peak Genetics	PPG-FRR105	5.42	3.56
PSG	5RJ1L	5.83	3.45
NexGen	ASC321	5.00	3.45
DLF	IS-FRR62	4.08	3.41
NexGen	ASC333	5.08	3.37
PSG	ORC 126	4.75	3.26
NexGen	Lustrous	4.92	3.26
NexGen	ASC319	4.58	3.22
PSG	Garnet	4.33	3.18
Peak Genetics	PPG-FRR103	5.08	3.15
PST	4GRY	4.67	3.15
Peak Genetics	PPG-FRR104	5.25	3.08
PST	4RED	4.83	3.04
PST	Shademaster III	5.50	2.96
PST	Xeric (4CRD-8)	5.75	2.93
DLF	Cindy Lou	5.33	2.85
PST	4CRD-P	5.75	2.78
NexGen	ASC323	4.00	2.74
PST	4CRD-U	5.50	2.71
PSG	SO	4.92	2.67
PST	4CR10-08	4.83	2.67
PSG	SDT	4.58	2.33
PSG	SG	4.33	2.07
PSG	SHSM	4.50	1.96
PSG	SDHT	4.58	1.93
PSG	SHST	4.08	1.78
PSG	Boreal	3.83	1.71
SLENDER CREEPING RED FESCUE			
NexGen	ASR172	5.42	4.67
PSG	PSG 5RM	5.50	3.96
NexGen	ASR184	5.50	3.93
NexGen	ASR181	5.75	3.92
NexGen	ASR176	5.58	3.70
Peak Genetics	Navigator II	6.17	3.48
PST	4SEA	5.08	2.96
PST	Seabreeze GT	4.50	2.82
PSG	07-1FF	4.33	1.96
PSG	Oracle	3.75	1.96
CV		10.11	12.29
LSD (0.05)		0.72	0.69
GRAND MEAN		5.25	4.18
MIN. MEAN		3.75	1.71
MAX. MEAN		6.67	6.56

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

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

2012 Data

Subjective Ratings

SPONSOR	CULTIVAR	Est.	Average Turf Quality
HARD FESCUE (SHEEP)			
NexGen	AHF203	5.33	6.76
Rutgers	Firefly	6.67	6.62
Peak Genetics	Beacon	5.33	6.24
PSG	Spartan II	4.33	6.05
NexGen	AHF204	5.00	6.05
PST	4HES	3.33	6.00
DLF	IS-FL46	5.67	5.91
PSG	S2SE	4.00	5.90
DLF	IS-FL47	5.33	5.90
NexGen	AHF177	4.33	5.90
NexGen	Viking H2O (AHF188)	5.67	5.86
PSG	SR 3150	5.33	5.76
PSG	3J2927	5.67	5.71
DLF	IS-FL50	3.67	5.62
PSG	3TH3	5.33	5.57
DLF	IS-FL48	4.33	5.52
Peak Genetics	Blue Ray	5.00	5.48
NexGen	AHF181	6.00	5.43
PST	4BIL	4.33	5.38
PST	Nanook (4NY)	6.00	5.14
PSG	AZB (Sheep)	5.33	4.86
PST	Soil Guard	3.67	4.71
PST	Bighorn GT (Sheep)	4.33	4.48
PSG	Azay Blue (Sheep)	4.67	4.24
DLF	Eureka II	4.00	4.09
CHEWINGS FESCUE			
NexGen	ACF277	5.67	6.67
PSG	50C3	4.33	6.48
DLF	IS-FRC36	4.33	6.38
Peak Genetics	Radar	7.33	6.10
NexGen	Survivor (ACF266)	5.33	5.71
Rutgers	Intrigue II	4.33	5.67
Peak Genetics	PPG-FRC103	6.00	5.67
NexGen	ACF278	5.00	5.62
NexGen	ACF283	6.00	5.62
NexGen	ACF261	4.33	5.57
DLF	IS-FRC37	4.67	5.52
PST	Heathland (R4TC)	4.33	5.43
DLF	Longfellow II	5.00	5.29
PSG	FC 09-2	5.00	5.24
NexGen	ACF256	5.33	5.24
NexGen	Culumbra II	6.00	5.19
DLF	Wrigley 2	6.00	5.19
PST	4CHY	6.00	5.00
DLF	Longfellow III	2.67	4.90
PST	Enchantment	4.67	4.86
PST	PST-4C30D	4.33	4.76
PST	4CHT	6.33	4.67
PST	4SHR-CH	5.33	4.00
PSG	PSG SPRS	6.00	3.52
Peak Genetics	Koket	6.67	3.19

Subjective Ratings

SPONSOR	CULTIVAR	Est.	Average Turf Quality
STRONG CREEPING RED FESCUE			
Peak Genetics	PPG-FRR102	5.67	6.24
DLF	IS-FRR62	5.67	5.57
DLF	IS-FRR68C	4.67	5.24
Peak Genetics	PPG-FRR105	5.67	5.24
DLF	IS-FRR65	4.67	5.24
Peak Genetics	PPG-FRR103	6.00	5.19
Peak Genetics	PPG-FRR106	6.67	5.05
NexGen	ASC320	5.67	5.05
PSG	5RJ1L	5.33	5.00
DLF	IS-FRR61	5.00	4.95
NexGen	Lustrous	5.67	4.91
PSG	Garnet	3.67	4.85
NexGen	Pennington ASC295	6.67	4.85
PSG	5J51-15	5.67	4.81
PST	Shademaster III	5.00	4.71
NexGen	ASC313	4.67	4.62
NexGen	ASC332	5.00	4.62
NexGen	ASC321	5.33	4.62
PSG	5RJ1E	5.00	4.57
PST	4GRY	4.00	4.57
PST	4CRD-U	6.00	4.57
PST	Xeric (4CRD-8)	5.00	4.53
NexGen	ASC333	4.33	4.43
PSG	OS2	3.33	4.38
PST	4RED	5.67	4.28
Peak Genetics	PPG-FRR104	5.33	4.28
PST	4CR10-08	6.33	4.19
DLF	Cindy Lou	5.00	4.19
PST	4CRD-P	5.33	4.10
PSG	ORC 126	6.33	3.95
NexGen	ASC323	4.33	3.81
PSG	SO	6.67	3.52
PSG	SDT	6.00	3.43
PSG	SDHT	6.00	3.24
PSG	SG	7.00	2.95
PSG	SHSM	6.33	2.95
PSG	SHST	6.67	2.81
PSG	Boreal	7.00	2.62
SLENDER CREEPING RED FESCUE			
PSG	PSG 5RM	4.67	5.62
NexGen	ASR172	5.33	5.48
NexGen	ASR184	5.00	5.19
NexGen	ASR176	5.67	5.05
PST	4SEA	5.00	4.90
Peak Genetics	Navigator II	5.67	4.86
NexGen	ASR181	6.67	4.67
PST	Seabreeze GT	2.33	4.00
PSG	Oracle	6.00	2.81
PSG	07-1FF	5.00	2.57
	CV	19.46	9.11
	LSD	1.37	0.61
	GRAND MEAN	5.22	4.93
	MIN. MEAN	2.33	2.57
	MAX. MEAN	7.33	6.76

Est. = Establishment = 1-9; 9=Most Established
 Average Turf Quality = 1-9; 9=Best (7 ratings)

CTBT: 2010 Trial
Tall Fescue Turf Trial
Location: North Brunswick, New Jersey
Cooperator: Dr. William Meyer

2012 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Brown Patch	Average Turf Quality Wear	Average Turf Quality	Average Brown Patch 2011-2012	Average Turf Quality Wear 2011-2012	Average Turf Quality 2011-2012
NexGen	ATF1608	5.17	4.20	6.89	6.06	3.57	7.00
Peak Genetics	PPG-TF 106	5.50	5.07	6.78	6.28	4.87	7.00
DLF	IS-TF 224	5.67	5.40	6.89	6.45	5.33	6.89
DLF	Essential	5.17	5.73	6.67	6.44	6.00	6.74
DLF	IS-TF 223	5.17	4.40	6.78	6.67	5.50	6.70
NexGen	ATF1611	5.83	6.07	7.33	6.72	6.80	6.67
NexGen	ATF1571	4.50	4.80	6.44	6.17	5.67	6.52
PST	Meridian (PST-5GRB)	6.33	7.07	6.89	6.17	6.13	6.48
DLF	IS-TF 227	5.50	5.20	7.00	5.67	5.37	6.48
NexGen	Verti (ATF1612)	5.33	4.60	6.44	6.00	4.63	6.45
Rutgers	Falcon V	5.67	4.73	6.44	6.06	3.93	6.37
Peak Genetics	PPG-TF 102	6.00	5.07	6.44	6.11	5.23	6.37
DLF	Bullseye	4.50	5.07	5.44	6.55	6.07	6.34
NexGen	ATF1610	5.67	4.80	6.44	6.11	5.00	6.26
NexGen	ATF1613	5.33	4.80	6.89	5.83	4.93	6.26
NexGen	ATF1549	4.00	4.60	6.55	5.45	4.67	6.22
Rutgers	LW	4.17	4.27	5.44	6.00	4.57	6.22
Peak Genetics	PPG-TF 116	4.83	5.40	6.11	5.78	5.50	6.22
Rutgers	Shenandoah Elite	5.67	4.87	6.22	5.44	4.80	6.19
NexGen	ATF1550	4.50	5.07	6.11	6.06	6.00	6.19
Rutgers	6351	4.17	4.67	6.00	6.06	5.53	6.18
DLF	IS-TF 225	6.17	4.93	5.22	5.83	4.73	6.15
NexGen	ATF1621	4.17	4.27	6.67	5.61	5.53	6.15
DLF	IS-TF 233C	5.33	5.60	6.00	5.17	4.80	6.11
NexGen	ATF1609	3.67	4.53	6.56	5.06	5.23	6.07
Peak Genetics	PPG-TF 105	4.67	4.73	5.78	5.89	5.40	6.04
Rutgers	Finelawn Xpress	5.50	4.73	6.33	5.72	4.97	6.04
DLF	IS-TF 217	5.00	5.20	6.11	6.17	6.03	6.04
NexGen	ATF1614	4.50	4.40	6.11	5.89	5.37	5.93
Rutgers	Catalyst	4.67	4.07	5.78	5.44	4.03	5.89
Peak Genetics	PPG-TF 101	5.00	5.07	5.89	6.44	5.67	5.89
PST	PST-5AWT	5.17	6.13	6.22	5.78	5.97	5.89
DLF	IS-TF 197	4.33	4.80	5.11	5.94	5.57	5.85
PSG	PSG 709509	4.50	5.00	5.67	5.39	4.77	5.85
DLF	IS-TF 234C	5.00	4.93	6.33	5.39	4.93	5.78
DLF	IS-TF 226	4.67	4.93	6.11	4.56	3.93	5.78
PST	Wolfpack II	4.50	3.80	5.11	5.28	4.27	5.70
Rutgers	3rd Millennium	3.67	3.67	5.00	5.61	4.27	5.67
DLF	IS-TF 219	6.50	5.73	5.78	6.34	5.40	5.67
PST	PST-5DVD-07	5.17	5.33	5.44	6.17	5.77	5.67
PST	PST-5DKB	4.83	4.20	5.22	5.56	4.93	5.67
NexGen	ATF1567	4.33	4.93	6.11	5.17	5.50	5.67
Rutgers	Shenandoah III	4.17	4.87	6.22	5.39	5.40	5.63
Rutgers	Traverse	3.83	5.27	5.89	5.50	4.93	5.63
Peak Genetics	Firecracker LS	5.33	3.73	6.00	5.39	4.43	5.63
PST	PST-5MCD	4.50	5.80	5.44	5.55	5.70	5.59
NexGen	ATF1570	5.67	4.40	6.22	5.78	4.87	5.56
Rutgers	Rhambler	3.83	4.60	5.67	5.67	4.63	5.55
Peak Genetics	PPG-TF 117	4.50	5.40	5.00	5.72	6.10	5.55
PSG	PSG 5908	4.83	4.40	5.22	5.05	4.67	5.55
DLF	IS-TF 230B	4.67	4.53	4.89	5.45	4.97	5.52
NexGen	ATF1569	3.83	4.80	5.33	5.83	5.83	5.52
PSG	Corona	4.83	4.47	5.67	5.56	5.17	5.52
NexGen	Rebel Exeda	5.67	5.80	5.89	5.67	5.77	5.52
PST	PST-5V4	5.00	5.87	5.00	5.83	6.00	5.48
PST	Swagger (PST-5R05)	4.83	5.47	5.55	5.56	4.43	5.44
PSG	PSG 07-5	4.17	3.07	4.44	5.67	3.77	5.37
PST	Gazelle II	4.17	4.67	5.44	5.55	4.97	5.33

Subjective Ratings

SPONSOR	CULTIVAR	Average Brown Patch	Average Turf Quality Wear	Average Turf Quality	Average Brown Patch 2011-2012	Average Turf Quality Wear 2011-2012	Average Turf Quality 2011-2012
Peak Genetics	Raptor II	3.83	4.13	4.89	5.28	5.30	5.30
NexGen	ATF1551	4.00	4.93	5.22	5.89	6.10	5.26
PST	PST-5MVD	4.83	4.67	5.89	5.28	4.43	5.22
NexGen	ATF1548	5.17	5.53	5.11	5.61	5.60	5.22
Peak Genetics	PPG-TF 115	4.83	4.67	5.00	5.72	5.37	5.22
PST	Rain Dance (PST-5SDT)	3.83	5.07	5.22	5.72	5.33	5.15
PSG	Mustang 4	5.33	5.13	5.55	5.44	5.60	5.15
PST	Cumberland (PST-5R20)	5.33	5.13	5.56	5.89	5.23	5.11
DLF	IS-TF 215	4.00	4.53	5.22	5.50	5.37	5.07
PST	PST-5SIS	5.00	5.80	5.33	5.72	5.73	5.04
PST	PST-5DRP	4.67	4.27	5.11	4.94	4.17	4.96
PST	PST-5SLV	3.17	4.73	4.67	4.78	4.57	4.96
NexGen	ATF1620	4.50	4.27	5.33	5.22	5.13	4.96
NexGen	ATF1568	4.00	3.80	5.00	5.05	4.20	4.96
DLF	IS-TF 231C	3.50	3.80	4.67	4.33	4.47	4.85
Rutgers	FCE3	4.33	4.93	4.44	5.56	4.63	4.85
Peak Genetics	Titanium LS	4.00	4.40	4.89	5.22	4.53	4.85
PSG	PSG 82BPRH	4.17	5.00	4.44	4.67	5.27	4.78
NexGen	ATF1618	3.83	6.13	5.00	5.06	6.27	4.78
Peak Genetics	Spyder LS	3.33	3.67	4.33	3.50	3.13	4.70
PST	PST-R5NW	3.83	4.93	4.89	5.72	4.97	4.70
Rutgers	Falcon IV	5.00	5.07	4.78	5.61	5.93	4.67
PSG	PSG 07-9	3.67	3.73	4.67	4.00	3.80	4.67
PSG	PSG 08-6	4.00	4.33	4.78	5.11	4.43	4.63
NexGen	ATF1566	4.50	5.00	4.78	5.05	4.93	4.63
PST	PST-5SXR	3.83	5.00	4.78	4.44	4.73	4.55
PST	PST-5SXD	2.50	3.53	4.78	3.67	3.37	4.52
PST	PST-5YMY	6.17	5.73	5.45	6.44	5.37	4.45
PST	Rain Saver (PST-5SDS)	4.33	4.33	4.78	4.61	4.40	4.41
PST	PST-5BGR	3.50	4.80	4.33	4.39	5.03	4.37
NexGen	ATF1619	5.00	5.00	4.89	4.28	4.17	4.33
NexGen	ATF1547	3.17	4.00	3.22	5.72	4.77	4.30
PSG	Crossfire 3	3.00	3.60	3.89	4.45	4.87	4.26
PSG	PSG 6008	3.50	3.27	3.67	4.44	3.10	4.22
NexGen	Penn 1901	4.00	3.67	4.56	4.66	4.43	4.19
PST	PST-5LIV	5.17	5.53	4.66	4.67	4.97	4.18
PSG	PSG3905	4.83	4.00	4.11	4.11	3.93	4.15
PST	PST-5FDR	4.00	4.33	4.78	4.44	4.90	4.11
PSG	PSG 8SP1	5.67	4.80	4.56	4.17	4.53	4.07
PST	Tarnation GT (PST-5T8E)	4.00	3.40	3.89	3.67	3.30	4.07
PSG	PSG 8308	3.83	3.80	4.55	4.34	3.83	3.96
PSG	STR 86QRH	4.50	4.67	4.11	3.44	4.93	3.85
NexGen	ATF1491	3.83	4.60	3.89	4.72	4.03	3.70
PST	Coronado TDH	4.33	4.73	3.89	4.83	5.33	3.67
PSG	PSG 8GRTR	3.17	4.07	3.56	4.22	4.03	3.59
Peak Genetics	KY-31	5.17	2.93	1.00	5.56	2.53	1.15
	CV	19.32	18.52	14.83	16.99	18.52	12.89
	LSD (0.05)	1.20	1.18	1.07	1.24	1.23	0.93
	GRAND MEAN	4.60	4.73	5.37	5.39	4.94	5.34
	MIN. MEAN	2.50	2.93	1.00	3.44	2.53	1.15
	MAX. MEAN	6.50	7.07	7.33	6.72	6.80	7.00

Average Brown Patch = 1-9; 9=Most Resistant (2 ratings)
 Average Turf Quality Wear = 1-9; 9=Best (5 ratings)
 Average Turf Quality = 1-9; 9=Best (3 ratings)
 Average Brown Patch 2011-2012 = 1-9; 9=Most Resistant (6 ratings, 2 years of data)
 Average Turf Quality Wear 2011-2012 = 1-9; 9=Best (10 ratings, 2 years of data)
 Average Turf Quality 2011-2012 = 1-9; 9=Best (9 ratings, 2 years of data)

Digital Image Analysis Ratings

SPONSOR	CULTIVAR	Percent Green Cover					Average Cover	Average Genetic Color	Average Density	Average Turf Quality	Average Cover 2011-2012	Average Genetic Color 2011-2012	Average Density 2011-2012	Average Turf Quality 2011-2012
		July	August	Sept.	Average July-Sept	Average 2011-2012								
PST	PST-5DRP	54.80	43.80	79.40	59.33	72.11	6.78	5.28	5.72	5.17	6.88	5.04	5.61	5.42
NexGen	ATF1550	60.70	57.03	75.03	64.26	73.22	6.44	4.83	5.50	4.78	6.79	4.90	5.65	5.40
PST	PST-5DKB	64.60	39.67	83.17	62.48	70.44	7.00	5.50	5.67	5.39	6.65	5.08	5.60	5.40
Rutgers	Shenandoah III	59.97	50.83	64.60	58.47	70.66	6.22	4.78	5.28	4.50	6.89	4.88	5.71	5.40
PST	PST-5SXD	64.87	41.80	70.00	58.89	69.67	7.06	4.67	5.61	5.06	7.02	4.65	5.65	5.40
PST	Swagger (PST-5R05)	61.83	36.47	83.27	60.52	71.03	6.56	4.83	5.39	4.72	6.96	4.92	5.67	5.38
PST	Coronado TDH	62.20	40.23	76.30	59.58	69.19	6.67	5.17	5.39	4.89	6.77	5.04	5.58	5.35
NexGen	ATF1618	61.53	40.27	83.67	61.82	70.02	6.78	5.11	5.61	5.22	6.85	4.69	5.69	5.33
PST	Meridian (PST-5GRB)	60.93	52.07	77.23	63.41	70.67	6.78	4.89	5.67	5.00	7.02	4.67	5.59	5.33
PST	PST-5SXR	65.23	44.20	61.60	57.01	71.47	6.72	4.72	5.50	4.83	6.77	4.77	5.71	5.31
NexGen	ATF1619	63.83	37.03	80.93	60.60	71.32	6.89	5.11	5.56	5.11	6.84	4.77	5.54	5.29
PST	PST-5SIS	63.03	54.63	72.73	63.47	72.77	6.61	5.11	5.67	4.95	6.89	4.83	5.65	5.23
NexGen	ATF1621	68.07	46.53	85.03	66.55	76.27	7.06	5.28	5.50	5.22	6.81	4.77	5.52	5.21
NexGen	ATF1566	65.93	37.23	76.77	59.98	68.86	6.55	5.00	5.56	4.83	6.67	4.69	5.67	5.17
NexGen	ATF1491	57.57	34.40	79.07	57.01	62.86	6.22	5.33	5.44	4.83	6.44	4.77	5.56	5.13
NexGen	Verti (ATF1612)	59.77	38.87	81.13	59.92	67.99	6.45	5.44	5.17	5.00	6.23	4.60	4.98	4.92
PST	PST-5YMY	78.90	59.87	77.30	72.02	77.60	7.22	4.61	5.44	5.00	7.00	3.98	5.21	4.92
Peak Genetics	KY-31	66.70	57.13	69.47	64.43	70.62	6.05	4.06	4.61	3.83	6.06	3.48	4.31	3.88
	CV	14.32	37.53	16.11	13.41	7.28	7.48	8.19	5.96	10.37	4.44	4.93	5.07	5.62
	LSD (0.05)	12.30	22.20	16.10	10.95	6.92	0.70	0.60	0.46	0.75	0.42	0.35	0.40	0.43
	GRAND MEAN	63.65	43.85	74.07	60.52	70.44	6.94	5.39	5.77	5.39	7.04	5.19	5.79	5.66
	MIN. MEAN	44.10	19.90	40.67	44.73	61.86	6.05	4.06	4.61	3.83	6.06	3.48	4.31	3.88
	MAX. MEAN	78.90	70.03	88.67	74.89	81.20	7.72	6.61	6.44	6.33	7.57	6.36	6.25	6.19

Percent Green Cover = 1-100; 100=Most Cover
 Percent Green Cover 2011-2012 = 1-100; 100=Most Cover (6 ratings)
 Average Cover = 1-9; 9=Most Cover (3 ratings)
 Average Genetic Color = 1-9; 9=Darkest (3 ratings)
 Average Density = 1-9; 9=Most Dense (3 ratings)
 Average Turf Quality = 1-9; 9=Best (3 ratings)
 Average Cover 2011-2012 = 1-9; 9=Most Cover (6 ratings)
 Average Genetic Color 2011-2012 = 1-9; 9=Darkest (6 ratings)
 Average Density 2011-2012 = 1-9; 9=Most Dense (6 ratings)
 Average Turf Quality 2011-2012 = 1-9; 9=Best (6 ratings)

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

2012 Data

Digital Image Analysis

SPONSOR	CULTIVAR	Average Percent Green Cover	Average Cover	Average Genetic Color	Average Density	Average Turf Quality
HARD FESCUE (SHEEP)						
NexGen	AHF181	65.94	7.25	4.25	6.08	5.67
Rutgers	Firefly	65.22	6.75	4.50	6.17	5.58
DLF	IS-FL46	64.53	7.00	4.58	6.33	5.58
PSG	Azay Blue (Sheep)	52.08	6.17	4.83	5.83	5.33
PSG	3J2927	53.31	6.33	4.17	5.75	5.17
PST	Soil Guard	34.68	6.17	4.50	5.75	5.08
PST	4BIL	55.00	6.17	4.33	5.67	5.08
DLF	IS-FL47	56.18	6.00	4.08	5.92	5.00
PST	4HES	59.95	6.08	4.08	5.92	4.92
DLF	IS-FL50	54.29	5.75	3.92	6.08	4.92
NexGen	AHF204	59.81	6.00	4.00	5.50	4.83
PSG	Spartan II	55.38	5.50	3.83	5.75	4.75
PSG	SR 3150	56.99	5.50	3.75	6.17	4.75
PSG	S2SE	60.49	5.67	3.83	6.00	4.75
NexGen	AHF203	52.34	5.75	4.17	5.33	4.75
Peak Genetics	Blue Ray	56.90	5.83	4.17	5.75	4.75
PST	Bighorn GT (Sheep)	51.27	5.42	4.17	5.25	4.67
PST	Nanook (4NY)	52.96	5.50	4.08	5.83	4.67
NexGen	AHF177	45.46	6.08	3.92	5.08	4.67
DLF	IS-FL48	63.84	5.67	3.92	5.17	4.58
NexGen	Viking H2O (AHF188)	45.00	5.50	3.92	5.00	4.50
PSG	AZB (Sheep)	48.64	5.50	4.50	5.00	4.50
PSG	3TH3	62.75	5.25	3.58	5.33	4.33
DLF	Eureka II	49.60	4.58	3.83	5.42	4.17
Peak Genetics	Beacon	58.37	5.58	3.50	4.50	4.00
CHEWINGS FESCUE						
PSG	50C3	65.86	6.83	4.33	5.83	5.50
DLF	Wrigley 2	64.38	6.67	4.17	5.50	5.25
DLF	Longfellow III	61.21	6.33	4.25	6.00	5.17
NexGen	ACF256	54.64	5.92	3.92	6.25	5.17
DLF	IS-FRC37	58.10	6.08	4.50	5.50	5.00
NexGen	ACF277	65.69	5.83	4.42	5.42	4.92
PSG	FC 09-2	57.76	5.75	4.08	5.50	4.83
PST	Enchantment	48.77	6.08	4.08	5.25	4.75
PST	PST-4C30D	58.82	5.08	4.08	5.33	4.50
DLF	IS-FRC36	56.55	5.50	3.92	5.00	4.50
PST	4CHY	51.08	4.92	4.17	5.25	4.42
DLF	Longfellow II	48.10	5.58	3.75	5.25	4.42
NexGen	ACF261	38.23	4.92	3.92	5.75	4.42
NexGen	Survivor (ACF266)	49.29	5.33	4.25	5.08	4.42
Rutgers	Intrigue II	56.95	5.75	4.00	4.83	4.33
PSG	PSG SPRS	52.35	5.25	3.92	5.00	4.33
Peak Genetics	Koket	43.48	5.67	3.42	5.08	4.33
NexGen	ACF278	31.20	4.50	3.92	5.75	4.25
Peak Genetics	PPG-FRC103	53.92	5.50	3.83	4.83	4.25
PST	4CHT	44.95	5.08	3.83	5.08	4.17
NexGen	ACF283	49.32	5.00	3.92	5.33	4.17
NexGen	Culumbra II	48.76	5.17	3.92	5.00	4.08
Peak Genetics	Radar	49.41	4.92	3.83	4.75	3.92
PST	Heathland (R4TC)	57.89	4.92	3.25	4.75	3.83
PST	4SHR-CH	46.02	4.42	3.50	4.42	3.58

Digital Image Analysis

SPONSOR	CULTIVAR	Average Percent Green Cover	Average Cover	Average Genetic Color	Average Density	Average Turf Quality
STRONG CREEPING RED FESCUE						
Peak Genetics	PPG-FRR102	64.99	6.17	4.33	6.75	5.50
NexGen	Lustrous	47.82	6.58	4.25	6.42	5.33
PSG	5RJ1E	46.54	6.00	4.25	6.33	5.25
DLF	IS-FRR68C	49.91	6.08	4.25	6.50	5.25
DLF	IS-FRR62	43.48	6.08	4.33	6.33	5.25
NexGen	ASC333	42.70	5.92	4.25	6.67	5.25
PST	4CR10-08	60.20	6.50	4.17	5.83	5.17
NexGen	ASC319	61.01	6.25	4.33	5.92	5.17
Peak Genetics	PPG-FRR104	57.48	5.83	4.42	6.25	5.17
Peak Genetics	PPG-FRR106	55.88	6.17	4.00	6.25	5.08
PST	Xeric (4CRD-8)	35.56	5.75	4.17	6.33	5.00
PST	Shademaster III	61.78	6.33	4.08	5.58	5.00
NexGen	ASC321	63.98	5.83	4.25	5.83	5.00
PSG	Garnet	37.76	5.17	4.17	6.25	4.92
PSG	5J51-15	58.73	6.00	3.92	5.83	4.92
PSG	5RJ1L	46.29	5.33	4.33	6.17	4.92
DLF	IS-FRR65	50.92	6.50	3.67	5.67	4.92
DLF	IS-FRR61	44.43	5.67	4.08	5.92	4.83
Peak Genetics	PPG-FRR103	50.82	5.92	4.25	5.42	4.83
PSG	OS2	65.22	5.75	4.08	5.58	4.75
PSG	SHSM	61.04	6.08	4.00	5.17	4.75
NexGen	ASC313	61.61	5.42	3.83	6.00	4.75
DLF	Cindy Lou	49.79	5.25	4.25	5.58	4.67
NexGen	ASC320	62.53	5.50	3.92	5.50	4.67
PST	4GRY	50.06	5.25	3.92	5.75	4.58
NexGen	ASC323	54.08	5.33	4.08	5.92	4.58
PST	4RED	64.52	5.75	3.67	5.25	4.50
PSG	SO	43.77	4.83	4.08	5.75	4.50
Peak Genetics	PPG-FRR105	46.96	5.42	3.67	5.92	4.50
PST	4CRD-U	41.25	5.08	4.00	5.67	4.42
PST	4CRD-P	45.53	4.83	4.17	5.42	4.42
PSG	Boreal	54.05	5.83	4.17	4.67	4.42
PSG	SDHT	42.89	4.50	3.83	5.83	4.25
PSG	SG	46.86	4.25	3.75	5.92	4.17
NexGen	Pennington ASC295	39.80	5.17	3.92	5.00	4.17
PSG	ORC 126	42.29	4.92	3.50	5.42	4.08
NexGen	ASC332	53.62	4.67	3.50	5.33	4.08
PSG	ASHST	40.83	4.33	3.50	5.17	3.83
PSG	SDT	44.08	4.25	3.58	5.33	3.83
SLENDER CREEPING RED FESCUE						
PSG	PSG 5RM	55.41	5.83	4.42	6.08	5.08
NexGen	ASR172	57.42	6.42	4.33	5.50	5.08
PST	4SEA	60.08	5.92	4.08	5.75	5.00
PST	Seabreeze GT	48.77	6.75	3.83	5.50	4.92
Peak Genetics	Navigator II	43.90	5.67	4.33	5.83	4.92
NexGen	ASR176	54.33	6.08	3.67	5.67	4.83
NexGen	ASR181	40.78	5.50	3.92	5.92	4.75
NexGen	ASR184	55.11	5.33	3.67	5.00	4.25
PSG	07-1FF	40.99	4.67	3.75	5.42	4.08
PSG	Oracle	44.04	4.58	3.33	5.42	3.92
	CV	25.95	18.36	10.76	12.14	14.28
	LSD (0.05)	18.34	1.39	0.58	0.92	0.90
	GRAND MEAN	52.38	5.63	4.02	5.60	4.70
	MIN. MEAN	31.20	4.25	3.25	4.42	3.58
	MAX. MEAN	65.94	7.25	4.83	6.75	5.67

Average Percent Green Cover = 1-100; 100 = Complete Cover (3 ratings)

Average Cover = 1-9; 9=Most Cover (2 ratings)

Average Genetic Color = 1-9; 9=Darkest (2 ratings)

Average Density = 1-9; 9=Most Dense (2 ratings)

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

CTBT: 2010 Trial
Tall Fescue Turf Trial
Location: Albany, Oregon
Cooperator: Kenneth Hignight

2012 Data

Digital Image Analysis

SPONSOR	CULTIVAR	Cover	Genetic Color	Density	Turf Quality	Average Cover 2011-2012	Average Genetic Color 2011-2012	Average Density 2011-2012	Average Turf Quality 2011-2012
DLF	Bullseye	7.83	7.17	5.67	7.50	8.28	7.44	6.78	7.50
Peak Genetics	Raptor II	7.50	6.67	5.67	7.17	8.00	7.22	6.72	7.39
DLF	IS-TF 234C	7.67	7.50	5.50	7.50	8.11	7.89	6.67	7.39
PSG	Mustang 4	7.83	6.67	5.33	7.00	8.33	7.33	6.84	7.39
Peak Genetics	PPG-TF 115	7.67	7.17	5.50	7.33	8.11	7.33	6.22	7.22
Peak Genetics	Spyder LS	7.50	7.17	5.33	7.17	8.06	7.22	6.50	7.22
PSG	PSG 07-9	7.67	7.33	5.50	7.33	7.78	7.28	6.56	7.22
NexGen	Rebel Exeda	7.67	6.67	6.33	7.33	8.11	6.67	7.28	7.22
Peak Genetics	PPG-TF 102	7.67	6.50	5.50	7.00	8.11	6.89	6.16	7.17
PST	PST-5FDR	7.50	7.17	5.17	7.00	8.11	7.34	6.28	7.17
PSG	Corona	7.83	7.33	6.00	7.50	7.78	7.28	6.61	7.17
DLF	IS-TF 230B	7.50	7.33	4.83	7.17	7.83	7.56	5.94	7.17
DLF	IS-TF 233C	7.67	7.00	5.17	7.17	8.00	7.00	6.39	7.17
PST	PST-5AWT	7.67	6.50	5.17	6.83	8.11	6.83	6.78	7.17
Rutgers	Shenandoah III	7.67	6.50	5.33	6.83	8.17	7.00	6.61	7.16
Rutgers	Shenandoah Elite	7.83	6.67	5.00	6.83	8.22	7.06	6.33	7.11
Peak Genetics	PPG-TF 101	7.50	7.00	5.33	7.17	8.00	7.00	6.34	7.11
PST	PST-5SXR	7.67	6.00	5.67	7.00	8.22	6.56	6.89	7.11
PST	Tarnation GT (PST-5T8E)	7.50	6.67	5.67	7.17	8.17	6.83	6.00	7.11
NexGen	ATF1547	7.50	6.33	5.17	7.00	8.06	6.89	6.28	7.11
Rutgers	6351	7.67	6.33	6.17	7.17	8.00	6.78	7.00	7.11
Rutgers	Falcon V	7.67	6.50	5.33	7.00	8.05	6.89	6.44	7.11
Peak Genetics	PPG-TF 105	7.67	6.50	5.17	7.00	8.16	6.89	6.33	7.11
PSG	PSG 07-5	7.33	7.67	4.67	7.17	7.72	7.83	5.61	7.11
PSG	PSG 709509	7.50	6.67	6.00	7.17	7.95	7.06	6.61	7.11
DLF	IS-TF 217	7.50	6.33	5.83	7.00	8.06	6.72	6.89	7.11
DLF	IS-TF 227	7.50	6.50	5.00	6.83	8.00	7.06	6.34	7.11
NexGen	ATF1611	7.50	6.67	5.33	6.83	8.05	6.89	6.78	7.11
Rutgers	Traverse	7.50	6.67	5.00	6.83	8.11	6.78	6.44	7.06
Rutgers	Finelawn Xpress	7.67	6.83	5.50	7.00	8.17	7.05	6.39	7.06
Peak Genetics	PPG-TF 117	7.50	7.00	5.50	7.17	7.89	7.17	6.39	7.06
PSG	PSG 5908	6.83	6.83	5.50	6.83	7.72	7.17	6.50	7.06
DLF	IS-TF 215	7.50	7.00	4.83	7.00	7.94	7.17	5.89	7.06
DLF	IS-TF 225	7.50	6.50	5.33	7.00	8.00	6.94	6.28	7.06
DLF	IS-TF 231C	7.33	7.50	5.00	7.00	7.66	7.67	6.00	7.06
PST	PST-5LIV	7.50	7.17	5.83	7.17	7.89	7.06	6.44	7.06
NexGen	ATF1621	7.83	5.83	5.50	6.83	8.22	6.44	6.89	7.06
PSG	PSG 6008	7.50	6.17	5.33	6.67	8.28	6.78	6.28	7.05
DLF	Essential	7.50	6.33	4.67	6.67	8.11	6.95	6.56	7.05
DLF	IS-TF 219	7.50	6.33	4.67	6.50	8.11	6.95	6.05	7.00
Rutgers	LW	7.33	6.50	4.33	6.50	8.00	6.78	6.22	7.00
Peak Genetics	Firecracker LS	7.50	6.17	5.17	6.67	8.22	6.67	6.44	7.00
DLF	IS-TF 197	7.50	6.33	4.50	6.67	8.00	7.00	5.89	7.00
DLF	IS-TF 223	7.50	6.00	5.33	6.83	8.06	6.67	6.61	7.00
DLF	IS-TF 224	7.67	6.67	5.17	7.00	7.89	7.00	6.17	7.00
PST	PST-R5NW	7.50	6.67	5.17	6.83	8.06	7.00	6.22	7.00
NexGen	ATF1570	7.67	6.50	5.50	7.17	8.06	6.67	6.44	7.00
NexGen	ATF1571	7.67	6.33	5.67	7.00	7.94	6.67	6.78	7.00
NexGen	ATF1609	7.83	6.17	5.00	6.67	8.00	6.67	7.11	7.00
NexGen	ATF1610	7.67	6.33	5.00	6.83	8.17	6.67	6.28	7.00
NexGen	ATF1614	7.50	6.67	4.83	6.83	7.83	6.89	6.28	7.00
NexGen	ATF1549	7.50	6.50	5.67	7.00	8.00	6.78	6.22	7.00
NexGen	ATF1619	7.67	6.00	5.50	6.83	8.17	6.33	6.78	7.00
Peak Genetics	PPG-TF 106	7.50	6.17	5.33	6.67	7.89	6.56	6.67	6.95
PSG	PSG 8308	7.50	6.50	5.67	7.00	7.78	6.67	6.72	6.95
NexGen	ATF1613	7.17	6.33	5.67	7.00	7.72	6.61	6.56	6.95
NexGen	ATF1620	7.67	6.67	5.67	7.00	8.06	6.55	6.83	6.95
Rutgers	Falcon IV	7.33	6.50	5.17	7.00	7.72	6.67	6.33	6.94
PSG	PSG3905	7.50	6.67	5.67	7.00	7.89	6.67	6.72	6.94
PSG	PSG 8SP1	7.67	6.33	5.50	7.00	8.05	6.61	6.22	6.94

Digital Image Analysis

SPONSOR	CULTIVAR	Cover	Genetic Color	Density	Turf Quality	Average Cover 2011-2012	Average Genetic Color 2011-2012	Average Density 2011-2012	Average Turf Quality 2011-2012
PSG	STR 86QRH	7.50	6.50	5.17	6.83	7.83	6.78	6.33	6.94
DLF	IS-TF 226	7.33	6.67	5.50	6.83	7.83	7.00	6.44	6.94
PST	Gazelle II	7.50	6.17	5.00	6.67	7.94	6.61	6.17	6.94
PST	Coronado TDH	7.50	6.50	5.50	7.00	7.83	6.55	6.67	6.94
NexGen	ATF1566	7.67	6.33	5.67	7.17	8.05	6.50	6.56	6.94
Rutgers	Rhambler	7.67	6.00	5.17	6.83	8.00	6.61	6.44	6.89
Rutgers	FCE3	7.33	6.67	5.17	6.83	7.94	6.89	5.72	6.89
PST	PST-5DVD-07	7.50	6.67	5.33	6.83	8.11	6.78	6.11	6.89
NexGen	ATF1568	7.67	6.00	5.33	6.67	8.11	6.33	6.33	6.89
NexGen	ATF1569	7.83	6.17	5.33	6.83	7.83	6.56	6.61	6.89
Peak Genetics	Titanium LS	7.33	6.00	5.00	6.67	8.11	6.39	6.28	6.89
PST	Rain Saver (PST-5SDS)	7.50	6.17	5.67	7.00	8.00	6.28	6.33	6.89
PST	PST-5SLV	7.50	6.33	5.33	6.83	8.06	6.39	6.39	6.89
PST	PST-5MVD	7.50	6.50	5.00	6.67	7.89	6.67	6.28	6.84
NexGen	ATF1548	7.00	6.33	5.33	6.67	7.72	6.67	6.33	6.84
Peak Genetics	PPG-TF 116	7.67	6.67	4.67	6.67	7.95	6.83	6.17	6.83
PSG	PSG 08-6	7.83	6.33	5.50	7.00	7.89	6.45	6.17	6.83
PST	PST-5V4	7.67	6.33	4.83	6.67	8.11	6.56	6.05	6.83
PST	PST-5MCD	7.67	6.33	5.17	6.67	8.00	6.50	6.39	6.83
PST	PST-5DRP	7.50	6.50	5.33	6.83	8.00	6.72	6.00	6.83
PST	Swagger (PST-5R05)	7.50	6.17	4.83	6.67	7.83	6.44	6.17	6.83
PST	Wolfpack II	7.50	6.50	5.17	7.00	7.84	6.67	6.11	6.83
NexGen	ATF1608	7.17	6.17	5.00	6.50	7.83	6.67	6.50	6.83
NexGen	ATF1550	7.83	6.17	5.17	6.67	8.00	6.50	6.44	6.83
NexGen	ATF1551	7.50	6.33	5.50	7.00	7.78	6.44	6.72	6.83
NexGen	ATF1618	7.50	6.33	5.33	7.00	7.89	6.39	6.45	6.83
Rutgers	3rd Millennium	7.83	6.50	4.83	6.83	8.00	6.56	6.22	6.83
PST	PST-5BGR	7.33	6.00	5.17	6.67	7.78	6.33	6.33	6.78
PST	Cumberland (PST-5R20)	7.83	6.17	5.50	6.83	8.22	6.17	6.22	6.78
PST	Rain Dance (PST-5SDT)	7.67	6.17	5.67	7.00	7.94	6.22	6.06	6.78
NexGen	ATF1491	7.83	5.83	5.17	6.67	8.06	6.17	6.22	6.78
NexGen	Penn 1901	7.33	6.50	5.17	6.67	7.95	6.61	6.11	6.78
Rutgers	Catalyst	7.33	5.67	5.50	6.50	7.89	6.22	6.39	6.78
PSG	Crossfire 3	7.50	7.33	5.17	7.00	7.39	6.89	5.95	6.78
PST	PST-5SXD	7.67	5.67	4.67	6.33	8.11	6.28	6.67	6.78
NexGen	Verti (ATF1612)	7.83	5.83	5.33	6.67	8.00	6.00	6.44	6.78
PST	Meridian (PST-5GRB)	7.50	5.67	5.50	6.67	7.83	6.11	6.67	6.72
PST	PST-5SIS	7.50	6.33	5.17	6.83	7.56	6.11	6.33	6.67
NexGen	ATF1567	7.50	6.00	5.17	6.67	7.83	6.17	6.17	6.67
PSG	PSG 82BPRH	7.33	6.17	5.17	6.50	7.72	6.39	6.11	6.61
PST	PST-5DKB	7.50	6.17	5.50	6.83	7.72	6.11	6.22	6.61
PSG	PSG 8GRTR	7.50	6.33	4.83	6.50	7.39	6.33	5.95	6.44
PST	PST-5YMY	7.33	4.83	4.83	6.00	7.94	5.33	6.11	6.33
Peak Genetics	KY-31	7.17	4.33	4.50	5.50	6.89	4.17	5.50	5.33
	CV	3.96	5.25	9.02	4.61	2.94	4.06	7.14	3.18
	LSD (0.05)	0.40	0.46	0.64	0.43	0.32	0.37	0.61	0.30
	GRAND MEAN	7.55	6.45	5.28	6.88	7.96	6.71	6.38	6.95
	MIN. MEAN	6.83	4.33	4.33	5.50	6.89	4.17	5.50	5.33
	MAX. MEAN	7.83	7.67	6.33	7.50	8.33	7.89	7.28	7.50

Cover = 1-9; 9=Most Cover

Genetic Color = 1-9; 9=Darkest

Density = 1-9; 9=Most Dense

Turf Quality = 1-9; 9=Best

Average Cover 2011-2012 = 1-9; 9=Most Cover (3 ratings, 2 years of data)

Average Genetic Color 2011-2012 = 1-9; 9=Darkest (3 ratings, 2 years of data)

Average Density 2011-2012 = 1-9; 9=Most Dense (3 ratings, 2 years of data)

Average Turf Quality 2011-2012 = 1-9; 9=Best (3 ratings, 2 years of data)

Tall Fescue Turf Trial

Location: Albany, Oregon

Cooperator: Kenneth Hignight

Table 2. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before 104 entries from data set 10CTFA12 reach 75, 50, and 25% green cover. Entries are ranked based on their ET₅₀ values.

Rank	Selection	ET ₇₅	ET ₅₀	ET ₂₅
1.	Rain Dance	11.85 to 13.44	15.02 to 16.14	17.38 to 19.64
2.	Traverse	12.58 to 13.59	15.19 to 15.85	17.31 to 18.60
3.	KY-31	11.12 to 12.52	14.62 to 15.57	17.46 to 19.29
4.	Shenandoah III	11.13 to 12.75	14.51 to 15.59	17.14 to 19.19
5.	IS-TF 234C	11.38 to 12.95	14.31 to 15.29	16.57 to 18.28
6.	ATF1491	10.87 to 11.78	14.28 to 14.87	17.30 to 18.35
7.	PPG-TF 117	11.18 to 12.46	14.11 to 14.90	16.52 to 17.84
8.	PSG 82BPRH	11.01 to 12.73	13.94 to 15.00	16.20 to 17.93
9.	PST-5LIV	10.67 to 11.97	14.02 to 14.85	16.83 to 18.27
10.	Falcon IV	11.50 to 12.47	14.10 to 14.69	16.34 to 17.27
11.	PST-5MVD	10.01 to 10.77	14.08 to 14.59	17.80 to 18.74
12.	Tarnation GT	10.72 to 11.59	13.97 to 14.52	16.87 to 17.79
13.	PST-5V4	10.42 to 12.10	13.60 to 14.65	16.15 to 17.84
14.	Mustang 4	10.68 to 11.91	13.73 to 14.50	16.33 to 17.55
15.	PST-5SIS	10.49 to 11.55	13.74 to 14.41	16.59 to 17.68
16.	STR 86QRH	10.86 to 11.71	13.69 to 14.21	16.22 to 17.02
17.	ATF1566	11.02 to 11.90	13.66 to 14.20	16.01 to 16.80
18.	ATF1614	9.896 to 11.76	13.31 to 14.49	16.03 to 17.91
19.	IS-TF 197	11.30 to 11.95	13.65 to 14.06	15.81 to 16.37
20.	IS-TF 217	10.24 to 11.61	13.40 to 14.25	16.06 to 17.38
21.	6351	11.28 to 11.94	13.61 to 14.02	15.74 to 16.31
22.	ATF1547	11.22 to 11.77	13.64 to 13.98	15.88 to 16.37
23.	LW	9.800 to 11.65	13.19 to 14.35	15.91 to 17.73
24.	PSG 8GRTR	11.44 to 12.13	13.55 to 13.99	15.46 to 16.04
25.	Spyder LS	10.59 to 11.49	13.48 to 14.04	16.05 to 16.89
26.	ATF1569	11.30 to 11.92	13.55 to 13.94	15.62 to 16.15
27.	PST-5DKB	10.91 to 11.59	13.54 to 13.96	15.95 to 16.55
28.	IS-TF 219	10.21 to 11.05	13.47 to 14.00	16.41 to 17.25
29.	PST-R5NW	9.893 to 11.41	13.23 to 14.18	16.02 to 17.50
30.	PPG-TF 101	9.710 to 11.95	12.97 to 14.37	15.45 to 17.55
31.	Essential	10.97 to 11.79	13.40 to 13.91	15.59 to 16.29
32.	PPG-TF 105	10.22 to 11.34	13.31 to 14.01	16.01 to 17.06
33.	ATF1567	10.47 to 11.95	13.16 to 14.09	15.38 to 16.68
34.	IS-TF 215	10.30 to 11.62	13.20 to 14.03	15.67 to 16.88
35.	PPG-TF 115	10.88 to 11.72	13.35 to 13.89	15.57 to 16.30
36.	ATF1570	10.17 to 11.42	13.22 to 14.01	15.85 to 17.02
37.	Crossfire 3	9.763 to 11.75	12.96 to 14.21	15.49 to 17.34
38.	PST-5SLV	10.32 to 11.26	13.28 to 13.87	15.92 to 16.79
39.	ATF1618	10.67 to 11.40	13.30 to 13.76	15.71 to 16.36
40.	PST-5AWT	10.61 to 11.39	13.29 to 13.78	15.72 to 16.41
41.	Raptor II	10.69 to 11.40	13.31 to 13.76	15.71 to 16.33
42.	Gazelle II	10.94 to 11.77	13.23 to 13.75	15.28 to 15.97
43.	Coronado TDH	9.097 to 11.55	12.70 to 14.26	15.44 to 17.83

44.	Rhambler	10.14 to 11.83	12.87 to 13.94	15.10 to 16.56
45.	PST-5DVD-07	10.16 to 10.84	13.16 to 13.58	15.93 to 16.55
46.	ATF1571	9.740 to 11.08	12.93 to 13.77	15.67 to 16.91
47.	PSG 8308	9.961 to 10.65	13.12 to 13.56	16.05 to 16.69
48.	ATF1568	9.944 to 11.16	12.94 to 13.71	15.55 to 16.65
49.	Rain Saver	10.19 to 11.12	13.04 to 13.62	15.60 to 16.42
50.	PST-5FDR	10.12 to 11.28	12.95 to 13.68	15.42 to 16.44
51.	ATF1549	9.427 to 10.84	12.84 to 13.73	15.77 to 17.11
52.	PST-5SXR	9.524 to 10.93	12.81 to 13.70	15.63 to 16.94
53.	ATF1619	8.465 to 11.08	12.36 to 14.03	15.33 to 17.90
54.	FCE3	9.889 to 10.99	12.84 to 13.54	15.45 to 16.43
55.	Swagger	9.213 to 11.12	12.58 to 13.79	15.32 to 17.09
56.	PSG 709509	9.461 to 11.03	12.68 to 13.67	15.39 to 16.82
57.	3rd Millennium	10.24 to 11.08	12.85 to 13.39	15.23 to 15.94
58.	IS-TF 230B	10.13 to 11.28	12.74 to 13.47	15.02 to 15.99
59.	PSG 08-6	10.45 to 11.17	12.87 to 13.34	15.10 to 15.70
60.	ATF1551	10.25 to 10.89	12.90 to 13.31	15.36 to 15.91
61.	ATF1548	9.138 to 10.21	12.75 to 13.43	15.98 to 17.03
62.	Meridian	10.18 to 11.20	12.72 to 13.38	14.98 to 15.84
63.	Corona	9.944 to 10.94	12.71 to 13.35	15.19 to 16.05
64.	IS-TF 227	9.697 to 10.68	12.59 to 13.22	15.20 to 16.06
65.	PSG 8SP1	9.374 to 10.38	12.58 to 13.22	15.47 to 16.38
66.	ATF1611	10.06 to 11.03	12.58 to 13.20	14.83 to 15.64
67.	PPG-TF 116	9.952 to 10.61	12.66 to 13.08	15.17 to 15.73
68.	ATF1550	9.455 to 10.74	12.44 to 13.26	15.04 to 16.16
69.	IS-TF 226	8.816 to 10.06	12.45 to 13.25	15.67 to 16.86
70.	Verti	9.411 to 10.29	12.45 to 13.01	15.22 to 15.99
71.	Wolfpack II	9.635 to 10.82	12.28 to 13.05	14.60 to 15.60
72.	ATF1609	9.839 to 10.64	12.37 to 12.89	14.68 to 15.35
73.	PST-5DRP	9.492 to 10.12	12.41 to 12.81	15.14 to 15.69
74.	PPG-TF 102	8.722 to 10.01	12.18 to 13.01	15.24 to 16.42
75.	Cumberland	9.460 to 10.39	12.29 to 12.89	14.86 to 15.66
76.	ATF1610	8.920 to 10.85	11.94 to 13.20	14.42 to 16.08
77.	PST-5YMY	9.033 to 9.722	12.34 to 12.79	15.44 to 16.07
78.	PSG 07-5	8.428 to 10.17	12.00 to 13.12	15.02 to 16.62
79.	Titanium LS	9.325 to 10.44	12.19 to 12.92	14.75 to 15.70
80.	IS-TF 224	9.534 to 10.32	12.27 to 12.79	14.79 to 15.46
81.	IS-TF 223	8.761 to 10.25	12.02 to 12.98	14.83 to 16.15
82.	Finelawn Xpress	9.337 to 10.02	12.22 to 12.67	14.92 to 15.51
83.	IS-TF 233C	9.544 to 10.37	12.16 to 12.70	14.56 to 15.25
84.	PST-5BGR	9.406 to 10.12	12.19 to 12.66	14.78 to 15.39
85.	ATF1621	8.644 to 10.68	11.73 to 13.05	14.24 to 15.99
86.	PSG3905	8.899 to 10.12	11.95 to 12.75	14.66 to 15.72
87.	ATF1620	9.221 to 10.07	12.06 to 12.61	14.67 to 15.39
88.	Shenandoah Elite	8.668 to 10.05	11.85 to 12.75	14.63 to 15.84
89.	ATF1608	8.498 to 9.256	11.96 to 12.45	15.19 to 15.88
90.	IS-TF 231C	9.222 to 9.979	11.95 to 12.45	14.48 to 15.12
91.	PPG-TF 106	8.546 to 9.967	11.68 to 12.61	14.42 to 15.66

92.	Bullseye	8.707 to 9.744	11.79 to 12.47	14.58 to 15.48
93.	PSG 6008	8.904 to 9.591	11.87 to 12.33	14.66 to 15.25
94.	PSG 07-9	8.267 to 10.08	11.42 to 12.62	14.08 to 15.65
95.	IS-TF 225	8.848 to 9.656	11.67 to 12.20	14.28 to 14.97
96.	Penn 1901	8.364 to 9.879	11.28 to 12.29	13.80 to 15.10
97.	Catalyst	8.136 to 8.830	11.54 to 12.00	14.74 to 15.36
98.	Firecracker LS	8.833 to 9.969	11.33 to 12.10	13.55 to 14.51
99.	ATF1613	8.536 to 9.541	11.33 to 12.00	13.86 to 14.72
100.	Falcon V	7.958 to 9.382	11.00 to 11.96	13.68 to 14.91
101.	Rebel Exeda	8.315 to 9.189	11.09 to 11.68	13.64 to 14.40
102.	PSG 5908	7.561 to 9.501	10.72 to 12.03	13.38 to 15.06
103.	PST-5MCD	8.247 to 9.309	10.74 to 11.47	12.98 to 13.90
104.	PST-5SXD	6.862 to 7.970	9.201 to 10.00	11.27 to 12.30

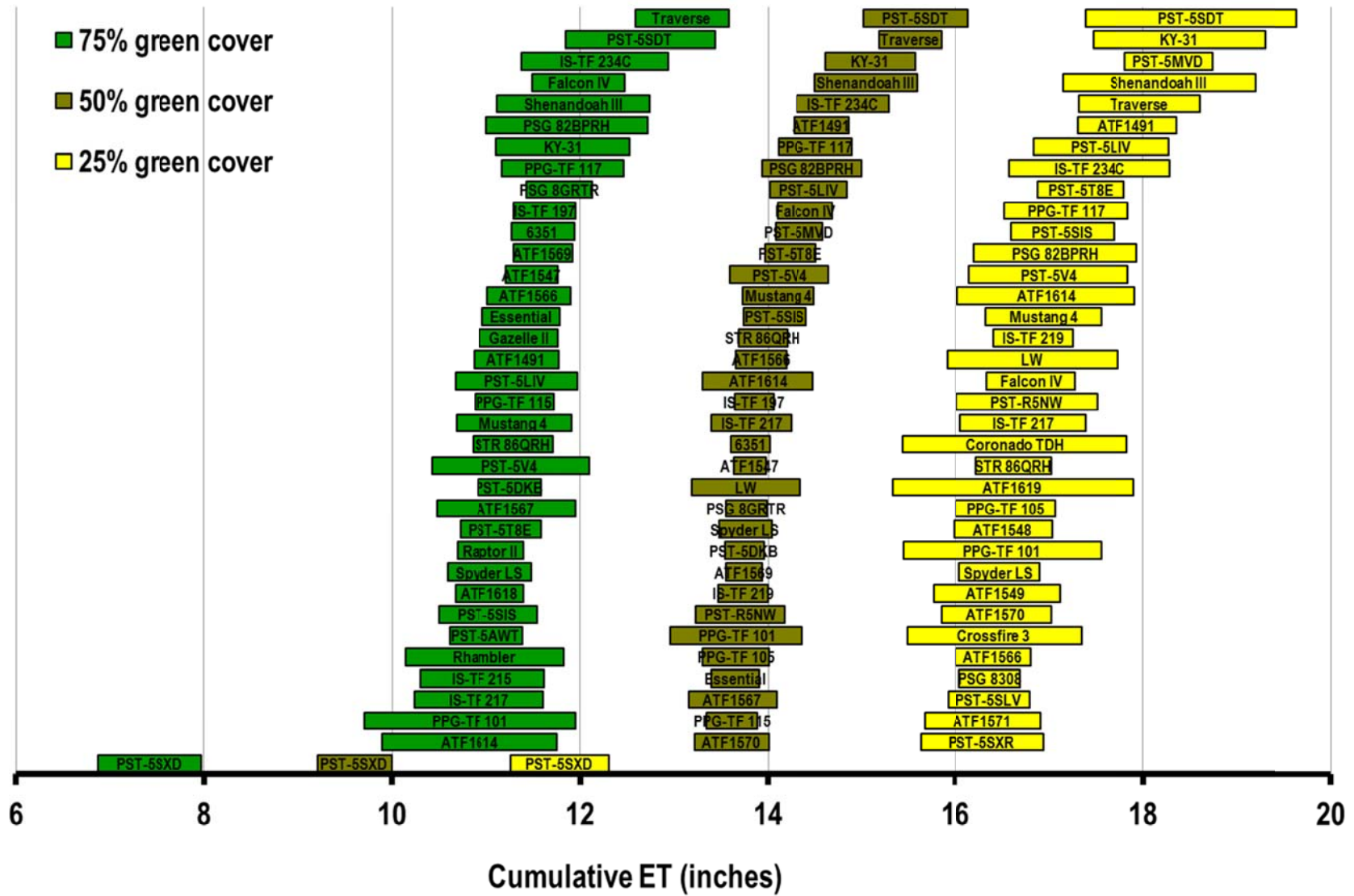


Figure 4. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before the top third (35) of the 104 entries from data set 10CTFA12 reach 75, 50, and 25% green cover. The bottom performing entry is included for reference.

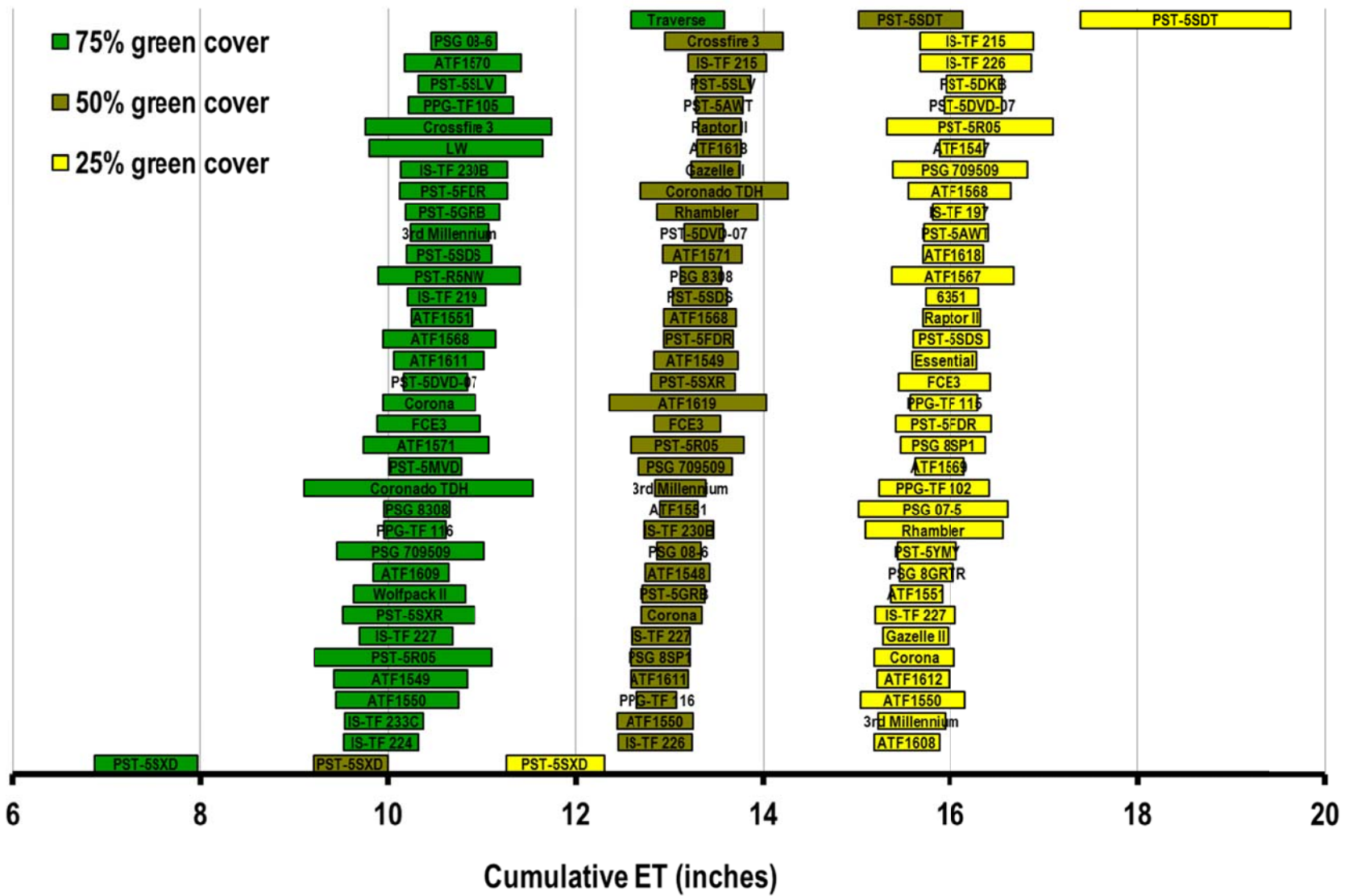


Figure 5. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before the middle third (34) of the 104 entries from data set 10CTFA12 reach 75, 50, and 25% green cover. The top and bottom performing entries are included for reference.

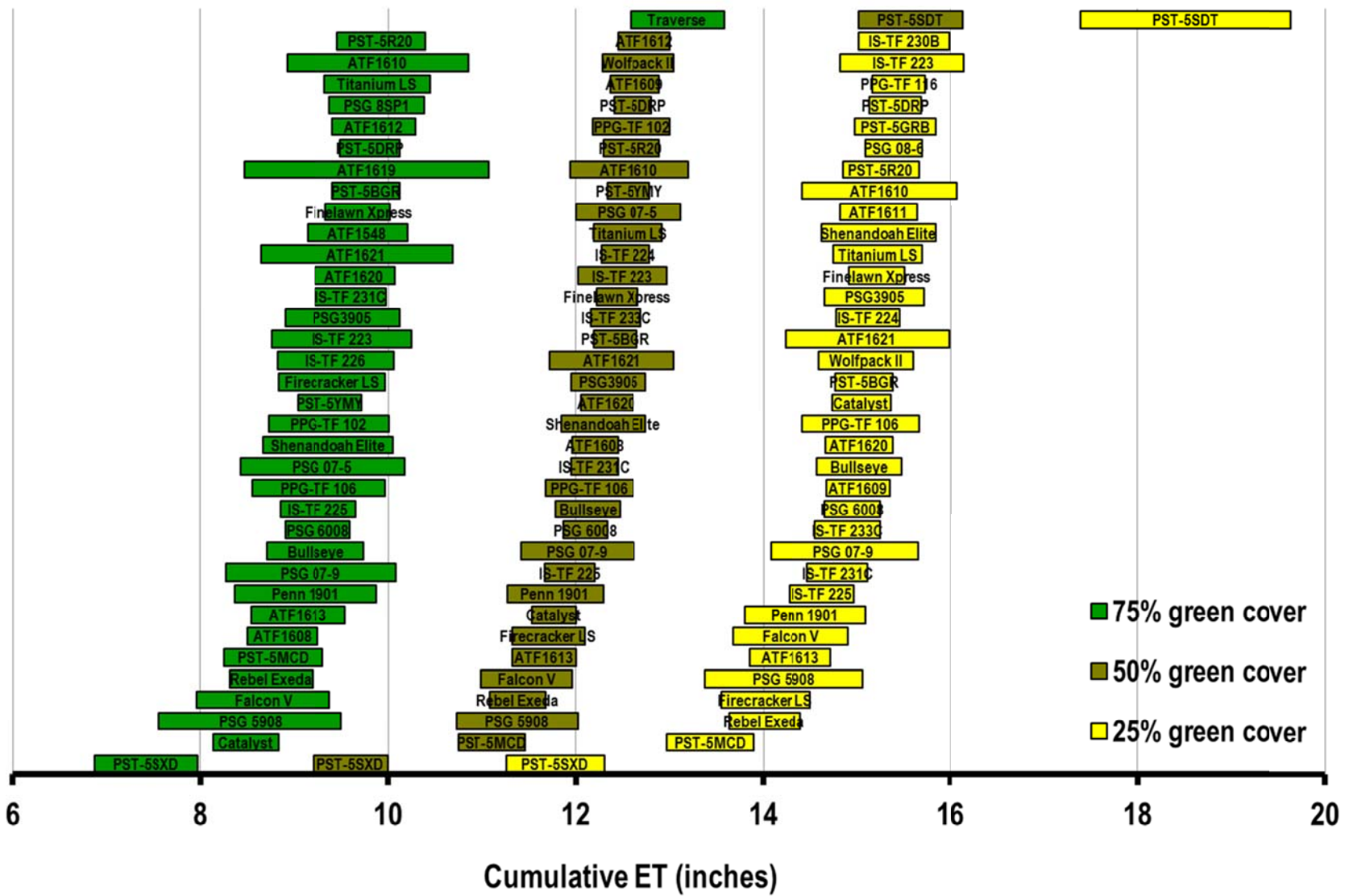


Figure 6. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before the bottom third (35) of the 104 entries from data set 10CTFA12 reach 75, 50, and 25% green cover. The top performing entry is included for reference.

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

2012 Data

Digital Image Analysis

SPONSOR	CULTIVAR	Winter Ratings		Percent Green Cover	Average Cover	Average Genetic Color	Average Density	Average Turf Quality
		Percent Green Cover	Genetic Color					
HARD FESCUE (SHEEP)								
PSG	Azay Blue (Sheep)	40.70	5.50	85.73	6.50	6.39	4.17	5.75
DLF	IS-FL46	45.87	4.83	84.60	6.75	5.39	3.92	5.08
PSG	AZB (Sheep)	19.53	5.00	49.90	5.50	6.05	3.33	4.75
DLF	IS-FL50	41.87	4.83	85.43	6.25	5.39	3.92	4.67
PST	Bighorn GT (Sheep)	25.63	4.17	50.83	4.92	5.61	3.58	4.50
PSG	S2SE	36.93	4.50	66.87	6.25	5.06	3.75	4.50
NexGen	AHF203	33.77	4.17	80.50	6.50	4.89	3.50	4.50
DLF	IS-FL47	33.20	4.33	67.17	6.00	5.11	3.50	4.42
Peak Genetics	Blue Ray	14.23	4.17	41.03	5.42	5.56	3.42	4.42
PST	4HES	40.40	4.33	63.27	5.67	5.17	3.75	4.33
PSG	3TH3	33.70	4.17	71.27	6.17	5.06	3.50	4.33
NexGen	Viking H2O (AHF188)	29.17	4.17	42.20	5.75	5.17	3.33	4.33
PSG	Spartan II	13.50	4.33	28.87	5.42	5.22	3.33	4.25
PSG	3J2927	17.73	3.83	49.60	5.58	5.00	3.67	4.25
NexGen	AHF177	24.10	4.00	47.87	5.50	4.94	3.67	4.25
NexGen	AHF204	46.90	4.33	66.97	5.50	4.95	3.67	4.25
Rutgers	Firefly	32.13	4.33	71.90	5.92	5.00	3.75	4.17
NexGen	AHF181	17.23	4.17	38.33	5.97	4.69	3.78	4.14
PST	Nanook (4NY)	16.00	4.00	37.23	5.58	5.22	3.42	4.08
DLF	IS-FL48	18.97	4.17	44.10	5.50	4.94	3.58	4.08
PST	4BIL	25.80	3.83	36.60	5.25	5.06	3.25	3.92
Peak Genetics	Beacon	18.70	3.83	51.43	5.75	4.72	3.50	3.92
PST	Soil Guard	27.03	4.33	51.83	5.17	5.17	3.42	3.83
DLF	Eureka II	22.40	4.83	36.03	4.67	5.50	3.08	3.75
PSG	SR 3150	9.70	3.83	34.40	5.25	4.22	3.08	3.33
CHEWINGS FESCUE								
NexGen	Culumbra II	66.17	6.00	92.13	8.00	6.56	4.67	6.42
PSG	50C3	43.60	5.00	80.20	7.58	6.22	4.58	6.25
Peak Genetics	Radar	70.80	5.50	88.17	7.83	6.11	5.08	6.08
NexGen	ACF256	63.13	5.50	92.20	7.92	6.39	4.67	6.00
NexGen	ACF278	73.83	5.83	92.70	7.83	6.39	4.33	6.00
DLF	IS-FRC36	39.40	4.67	82.63	7.75	5.94	4.58	5.92
DLF	Longfellow III	63.33	5.83	85.67	7.67	6.11	4.83	5.92
NexGen	ACF261	72.13	5.83	86.63	7.50	6.28	4.50	5.92
DLF	IS-FRC37	62.50	5.67	93.93	7.83	6.11	4.25	5.83
NexGen	Survivor (ACF266)	49.37	4.67	88.10	7.67	6.17	4.08	5.83
NexGen	ACF283	47.00	5.00	79.90	7.67	6.17	4.50	5.83
PSG	FC 09-2	73.60	5.50	89.17	7.50	5.72	4.67	5.75
DLF	Longfellow II	75.77	5.67	95.00	7.75	6.11	4.67	5.75
NexGen	ACF277	50.43	4.67	88.83	7.67	5.78	4.42	5.75
DLF	Wrigley 2	68.53	4.83	94.83	7.75	5.61	4.58	5.67
Rutgers	Intrigue II	52.67	4.50	82.10	7.75	5.44	4.33	5.42
Peak Genetics	PPG-FRC103	37.10	4.50	76.50	7.50	5.72	4.25	5.42
PST	Enchantment	45.33	4.83	94.70	7.83	5.61	4.00	5.25
PSG	PSG SPRS	72.60	5.00	89.97	7.58	5.22	4.25	5.25
PST	4CHY	62.73	4.17	79.07	7.67	4.61	4.83	5.17
PST	Heathland (R4TC)	50.10	4.33	81.80	7.33	4.83	4.50	5.08
PST	PST-4C30D	61.80	4.67	92.30	7.25	5.45	4.00	4.92
PST	4CHT	34.37	4.50	66.10	7.42	5.11	3.67	4.92
PST	4SHR-CH	69.43	4.50	89.43	7.67	5.11	3.75	4.83
Peak Genetics	Koket	53.03	4.17	67.73	6.58	4.11	3.67	3.92

Digital Image Analysis

SPONSOR	CULTIVAR	Winter Ratings		Percent Green Cover	Average Cover	Average Genetic Color	Average Density	Average Turf Quality
		Percent Green Cover	Genetic Color					
STRONG CREEPING RED FESCUE								
Peak Genetics	PPG-FRR102	49.97	5.00	82.77	7.42	6.06	5.50	6.42
PSG	OS2	58.47	5.17	82.40	7.25	6.06	5.42	6.33
PSG	5RJ1E	63.17	5.83	83.07	7.25	5.95	5.67	6.17
PST	Shademaster III	59.90	5.00	80.53	7.08	5.67	5.58	6.08
DLF	IS-FRR61	56.97	5.33	81.33	7.33	5.78	5.42	6.08
Peak Genetics	PPG-FRR103	64.10	5.33	84.43	7.00	5.78	5.25	6.08
PSG	5RJ1L	51.67	5.00	75.47	6.92	5.72	5.33	6.00
PST	Xeric (4CRD-8)	51.93	4.83	78.07	7.00	5.44	5.42	5.92
DLF	Cindy Lou	81.63	5.83	88.37	7.42	5.44	5.42	5.92
NexGen	ASC313	43.10	4.67	78.73	7.00	5.50	5.17	5.92
Peak Genetics	PPG-FRR104	51.47	5.50	82.63	7.08	5.50	5.50	5.92
DLF	IS-FRR68C	38.23	4.50	76.37	7.17	5.39	4.92	5.83
NexGen	ASC321	49.97	5.67	73.77	6.75	5.94	5.08	5.83
Peak Genetics	PPG-FRR105	55.67	5.17	70.73	7.08	5.61	5.17	5.83
PST	4CRD-U	74.53	5.33	79.73	7.17	5.33	5.08	5.75
PST	4CRD-P	60.53	5.33	71.03	6.83	5.56	5.50	5.75
PSG	Garnet	41.07	4.83	63.37	6.75	5.61	4.83	5.75
PSG	5J51-15	47.60	5.50	69.80	6.42	5.89	5.25	5.75
DLF	IS-FRR65	50.97	5.17	72.73	7.08	5.83	4.92	5.75
DLF	IS-FRR62	66.53	5.33	86.43	7.00	5.67	5.17	5.75
NexGen	ASC332	50.67	5.17	75.43	7.00	5.83	4.83	5.75
NexGen	ASC333	47.87	4.83	74.13	6.83	5.44	5.00	5.67
NexGen	ASC319	39.80	5.00	68.80	6.83	5.83	4.50	5.58
PSG	ORC 126	55.67	5.00	73.00	6.75	5.11	5.00	5.50
PSG	SO	73.73	5.33	78.77	6.83	5.00	5.08	5.50
PST	4CR10-08	57.50	5.17	78.73	6.67	5.56	4.83	5.42
NexGen	Lustrous	33.53	5.00	62.07	6.33	5.55	4.67	5.42
NexGen	Pennington ASC295	36.03	4.50	73.93	6.83	5.95	4.17	5.33
NexGen	ASC320	24.93	4.67	66.17	6.42	5.44	4.42	5.33
PSG	SHSM	61.83	4.67	85.00	7.00	4.72	5.17	5.25
PSG	SDT	42.03	4.67	65.30	6.50	4.94	4.75	5.25
PST	4RED	63.80	5.17	77.87	6.67	5.45	4.42	5.17
PSG	SDHT	64.10	5.00	73.73	6.58	4.89	5.08	5.17
PSG	SG	46.87	4.17	73.30	6.58	4.67	5.00	5.08
PSG	Boreal	48.17	4.33	68.57	6.92	4.61	4.75	5.08
Peak Genetics	PPG-FRR106	36.10	4.67	62.10	6.00	5.45	4.58	5.08
NexGen	ASC323	35.17	4.83	53.87	6.25	5.44	4.17	5.00
PST	4GRY	16.90	4.33	50.80	6.08	5.28	4.33	4.92
PSG	SHST	31.23	3.50	52.37	6.33	4.45	4.67	4.92
SLENDER CREEPING RED FESCUE								
Peak Genetics	Navigator II	52.10	4.83	79.00	7.17	5.67	5.58	6.25
PSG	PSG 5RM	57.60	5.17	74.03	7.08	6.00	5.42	6.08
NexGen	ASR184	63.63	4.83	82.47	6.83	5.39	4.67	5.50
NexGen	ASR172	55.40	4.67	82.77	7.50	5.16	4.25	5.33
NexGen	ASR176	56.07	3.83	76.13	7.50	5.00	4.58	5.25
NexGen	ASR181	44.63	3.67	87.60	7.75	4.72	3.92	4.83
PST	Seabreeze GT	40.20	3.67	67.77	7.33	4.61	3.75	4.75
PSG	Oracle	59.07	4.83	74.13	6.67	4.50	4.75	4.75
PSG	07-1FF	60.43	4.83	62.87	6.42	4.55	4.58	4.67
PST	4SEA	41.40	3.67	75.70	7.00	4.50	3.83	4.50
	CV	42.94	13.60	24.12	6.91	5.15	9.65	7.68
	LSD (0.05)	27.26	0.87	23.58	0.63	0.38	0.58	0.54
	GRAND MEAN	47.05	4.76	72.44	6.78	5.41	4.43	5.23
	MIN. MEAN	9.70	3.50	28.87	4.67	4.11	3.08	3.33
	MAX. MEAN	81.63	6.00	95.00	8.00	6.56	5.67	6.42

Winter Percent Green Cover = 1-100; 100=Most Cover

Winter Genetic Color = 1-9; 9=Darkest

Percent Green Cover = 1-100; 100=Most Cover

Average Cover = 1-9; 9=Most Cover (2 ratings)

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

Average Density = 1-9; 9=Most Dense (2 ratings)

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

Fine Fescue Turf Trial

Location: Albany, Oregon

Cooperator: Kenneth Hignight

Table 2. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before 99 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	5.279 to 7.051	6.772 to 7.736	7.638 to 9.047
2.	Cindy Lou	4.545 to 6.468	6.411 to 7.526	7.640 to 9.224
3.	ACF256	5.730 to 6.266	6.657 to 6.959	7.442 to 7.793
4.	Radar	5.742 to 6.435	6.590 to 6.986	7.248 to 7.727
5.	PSG 5RM	4.704 to 6.197	6.305 to 7.177	7.496 to 8.569
6.	PPG-FRR102	3.620 to 6.253	5.694 to 7.361	7.034 to 9.202
7.	Shademaster III	3.802 to 5.782	5.677 to 6.967	7.058 to 8.646
8.	Longfellow III	4.991 to 5.527	6.093 to 6.426	7.097 to 7.423
9.	ACF283	4.759 to 6.052	5.862 to 6.634	6.744 to 7.429
10.	4CHY	4.339 to 6.098	5.668 to 6.772	6.679 to 7.755
11.	Seabreeze GT	4.329 to 5.878	5.646 to 6.646	6.689 to 7.686
12.	IS-FRR61	4.574 to 5.244	5.846 to 6.294	6.994 to 7.468
13.	IS-FRC37	3.818 to 5.978	5.279 to 6.741	6.362 to 7.881
14.	OS2	4.381 to 5.059	5.720 to 6.188	6.931 to 7.445
15.	Enchantment	3.694 to 5.764	5.232 to 6.664	6.385 to 7.947
16.	ACF261	4.124 to 5.506	5.456 to 6.411	6.549 to 7.554
17.	Longfellow II	4.072 to 5.684	5.310 to 6.436	6.300 to 7.436
18.	IS-FL50	4.022 to 5.035	5.459 to 6.182	6.704 to 7.523
19.	ACF277	3.783 to 5.659	5.148 to 6.487	6.201 to 7.627
20.	Wrigley 2	3.347 to 5.707	4.961 to 6.651	6.130 to 8.041
21.	PPG-FRR105	2.920 to 5.355	4.891 to 6.636	6.303 to 8.476
22.	ASC332	4.552 to 4.916	5.629 to 5.893	6.650 to 6.927
23.	4CRD-U	3.814 to 5.057	5.310 to 6.209	6.565 to 7.601
24.	4CRD-8	4.006 to 4.876	5.444 to 6.073	6.713 to 7.437
25.	ACF278	4.210 to 5.145	5.241 to 5.960	6.139 to 6.908
26.	ASC321	3.963 to 4.802	5.246 to 5.885	6.381 to 7.117
27.	FC 09-2	3.370 to 5.121	4.864 to 6.196	6.028 to 7.603
28.	Azay Blue	3.810 to 4.685	5.186 to 5.854	6.398 to 7.188
29.	ASR176	3.088 to 5.069	4.762 to 6.255	6.030 to 7.848
30.	PPG-FRR103	3.267 to 4.803	4.882 to 6.049	6.182 to 7.610
31.	4SHR-CH	3.640 to 5.049	4.907 to 6.017	5.931 to 7.228
32.	Spartan II	3.640 to 4.637	5.066 to 5.834	6.299 to 7.225
33.	ASC313	3.834 to 4.733	5.068 to 5.781	6.144 to 6.987
34.	5RJ1E	2.860 to 4.732	4.722 to 6.126	6.159 to 7.944
35.	ASC319	3.862 to 4.526	5.123 to 5.650	6.262 to 6.895
36.	IS-FL48	4.227 to 4.523	5.232 to 5.479	6.190 to 6.483
37.	ACF266	4.369 to 4.636	5.230 to 5.462	6.053 to 6.326
38.	R4TC	2.922 to 4.858	4.481 to 6.017	5.643 to 7.573
39.	5RJ1L	2.925 to 4.536	4.617 to 5.869	5.957 to 7.554
40.	IS-FRR62	2.654 to 4.763	4.413 to 6.051	5.707 to 7.803
41.	Navigator II	3.985 to 4.431	5.040 to 5.422	6.016 to 6.492
42.	PPG-FRC103	3.934 to 4.555	4.945 to 5.488	5.848 to 6.530
43.	Intrigue II	3.484 to 4.673	4.691 to 5.694	5.674 to 6.938

44.	ASR172	3.796 to 4.533	4.871 to 5.509	5.812 to 6.619
45.	IS-FRR65	3.350 to 4.428	4.720 to 5.601	5.870 to 6.993
46.	5J51-15	3.305 to 3.952	4.881 to 5.391	6.313 to 6.973
47.	AZB	3.524 to 4.140	4.831 to 5.342	6.010 to 6.673
48.	ASR184	3.830 to 4.360	4.798 to 5.290	5.662 to 6.324
49.	3TH3	3.289 to 4.062	4.701 to 5.336	5.944 to 6.778
50.	4CRD-P	3.579 to 4.165	4.739 to 5.251	5.775 to 6.460
51.	IS-FL46	3.498 to 4.138	4.718 to 5.268	5.802 to 6.535
52.	ASC323	2.859 to 4.225	4.410 to 5.520	5.652 to 7.125
53.	ASR181	3.388 to 4.292	4.551 to 5.351	5.520 to 6.604
54.	4HES	3.305 to 3.944	4.684 to 5.216	5.922 to 6.630
55.	SDHT	3.433 to 4.120	4.652 to 5.247	5.722 to 6.523
56.	Eureka II	3.198 to 3.680	4.696 to 5.088	6.082 to 6.609
57.	PSG SPRS	3.180 to 4.326	4.381 to 5.394	5.324 to 6.719
58.	ORC 126	2.724 to 4.215	4.259 to 5.487	5.449 to 7.105
59.	Lustrous	3.374 to 3.796	4.684 to 5.043	5.898 to 6.387
60.	SO	3.341 to 4.026	4.528 to 5.134	5.557 to 6.402
61.	4RED	3.586 to 4.063	4.602 to 5.052	5.505 to 6.153
62.	IS-FRC36	3.432 to 4.234	4.445 to 5.205	5.269 to 6.367
63.	IS-FRR68C	3.603 to 3.860	4.681 to 4.916	5.697 to 6.033
64.	AHF177	3.297 to 3.874	4.542 to 5.044	5.650 to 6.351
65.	4CHT	3.488 to 4.178	4.455 to 5.125	5.252 to 6.242
66.	AHF203	3.323 to 3.829	4.486 to 4.939	5.522 to 6.175
67.	AHF188	2.364 to 3.845	4.003 to 5.214	5.264 to 6.961
68.	ASC320	3.041 to 3.685	4.290 to 4.855	5.368 to 6.196
69.	IS-FL47	2.643 to 3.953	4.001 to 5.132	5.015 to 6.654
70.	ASC333	2.850 to 3.758	4.160 to 4.947	5.229 to 6.377
71.	S2SE	2.488 to 3.930	3.933 to 5.156	4.999 to 6.761
72.	50C3	3.390 to 3.804	4.333 to 4.735	5.146 to 5.796
73.	Blue Ray	3.083 to 3.591	4.308 to 4.756	5.395 to 6.058
74.	Garnet	3.191 to 3.735	4.271 to 4.771	5.193 to 5.966
75.	SHSM	3.364 to 3.688	4.338 to 4.646	5.210 to 5.706
76.	PPG-FRR104	2.750 to 3.668	4.086 to 4.876	5.170 to 6.334
77.	ASC295	2.450 to 3.847	3.780 to 4.986	4.706 to 6.529
78.	AHF181	2.895 to 3.624	4.052 to 4.699	4.987 to 5.997
79.	3J2927	2.974 to 3.621	4.061 to 4.642	4.940 to 5.871
80.	AHF204	3.190 to 3.427	4.207 to 4.419	5.143 to 5.492
81.	4CR10-08	1.908 to 3.794	3.526 to 5.080	4.611 to 6.897
82.	4NY	2.659 to 3.515	3.930 to 4.667	4.944 to 6.079
83.	SR 3150	2.273 to 3.446	3.787 to 4.759	4.966 to 6.408
84.	Koket	2.670 to 3.727	3.712 to 4.618	4.364 to 5.900
85.	4SEA	3.042 to 3.470	3.938 to 4.290	4.662 to 5.282
86.	PPG-FRR106	1.692 to 3.604	3.314 to 4.869	4.362 to 6.710
87.	4GRY	2.676 to 3.160	3.847 to 4.251	4.853 to 5.507
88.	PST-4C30D	2.491 to 3.620	3.578 to 4.509	4.248 to 5.818
89.	07-1FF	2.840 to 3.096	3.921 to 4.132	4.911 to 5.260
90.	SG	1.934 to 3.368	3.434 to 4.603	4.485 to 6.286
91.	SHST	2.344 to 3.273	3.598 to 4.359	4.535 to 5.762

92.	SDT	2.594 to 3.359	3.665 to 4.283	4.451 to 5.491
93.	Oracle	2.482 to 3.527	3.526 to 4.348	4.170 to 5.568
94.	Firefly	1.820 to 3.345	3.301 to 4.531	4.288 to 6.211
95.	4BIL	2.240 to 3.104	3.550 to 4.248	4.569 to 5.683
96.	Beacon	2.199 to 3.190	3.344 to 4.100	4.129 to 5.371
97.	Boreal	2.629 to 2.961	3.440 to 3.677	4.140 to 4.503
98.	Soil Guard	1.263 to 2.739	2.836 to 3.938	3.904 to 5.642
99.	Big Horn GT	1.626 to 2.705	2.849 to 3.626	3.706 to 4.913

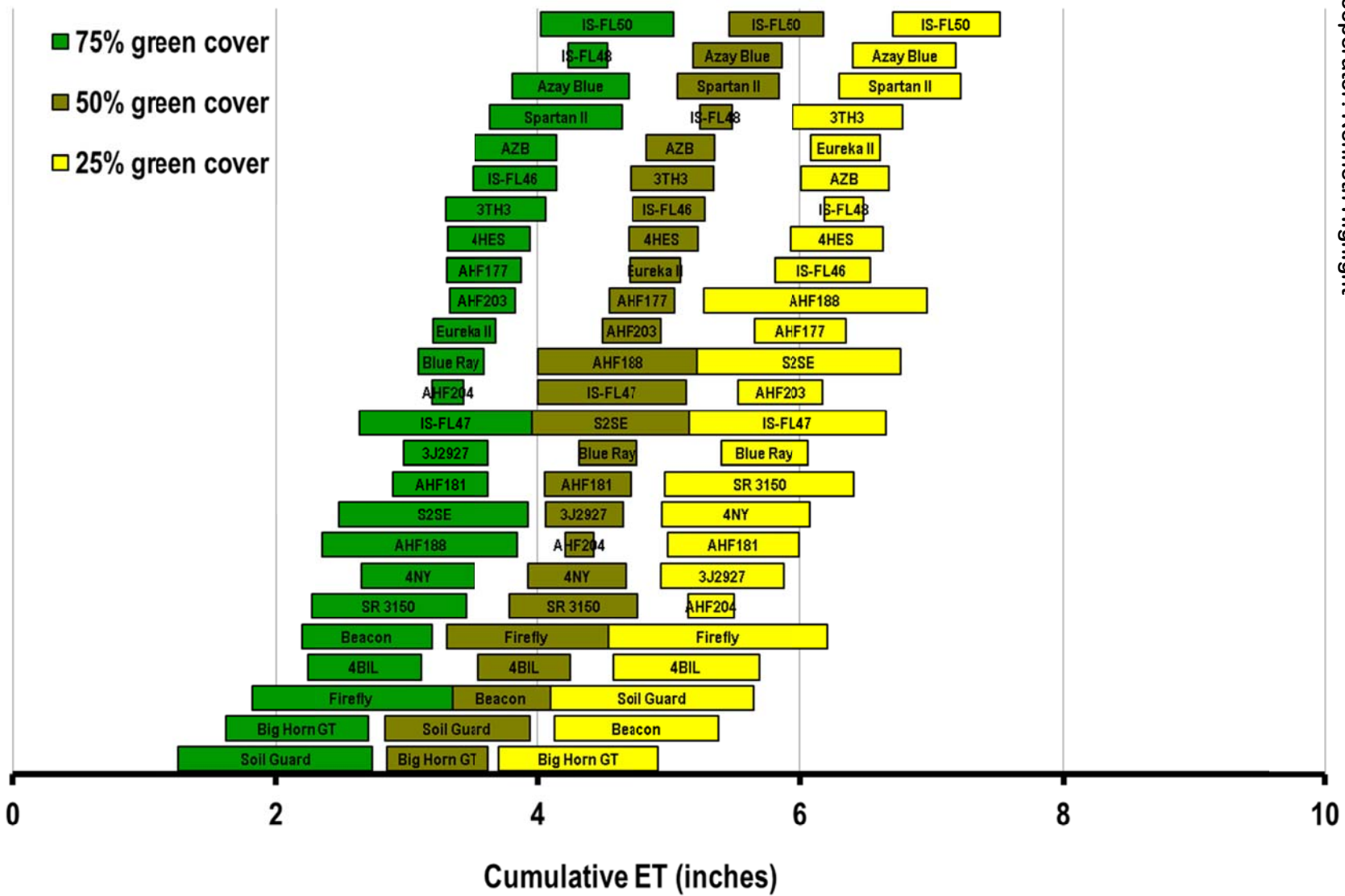


Figure 5. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before the 25 hard fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover.

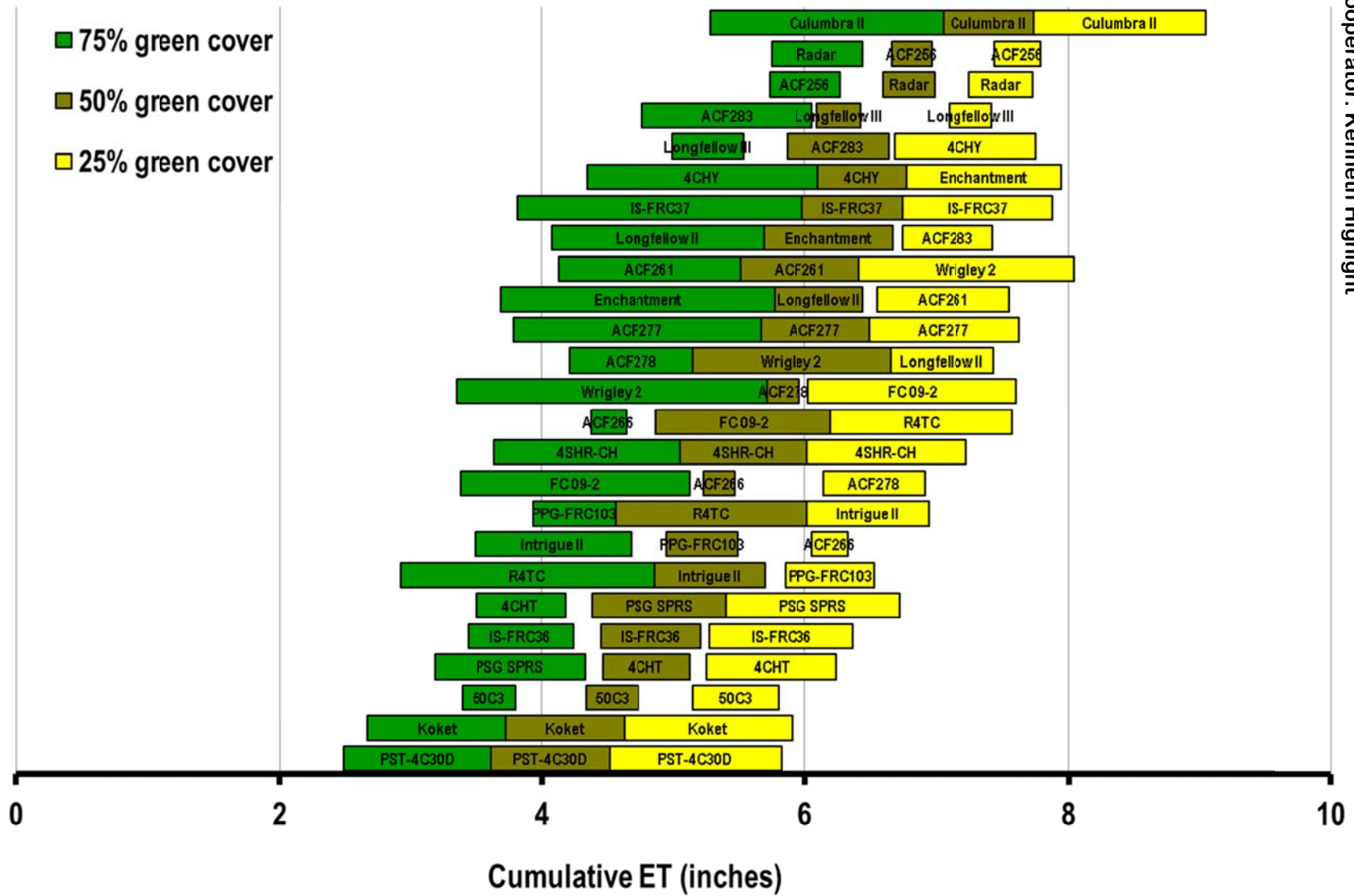


Figure 6. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before the 25 chewing fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover.

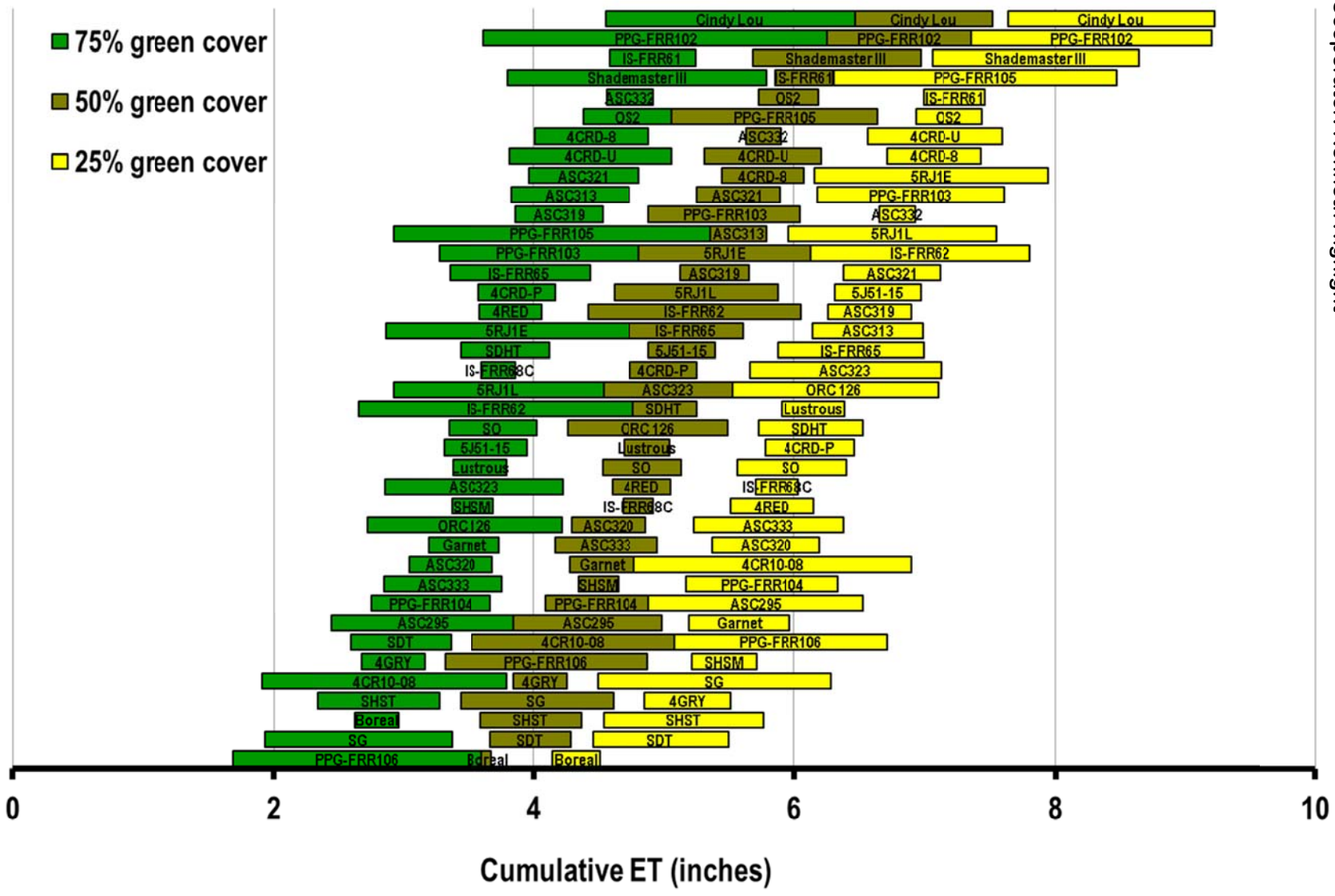


Figure 7. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before the 39 strong creeping red fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover.

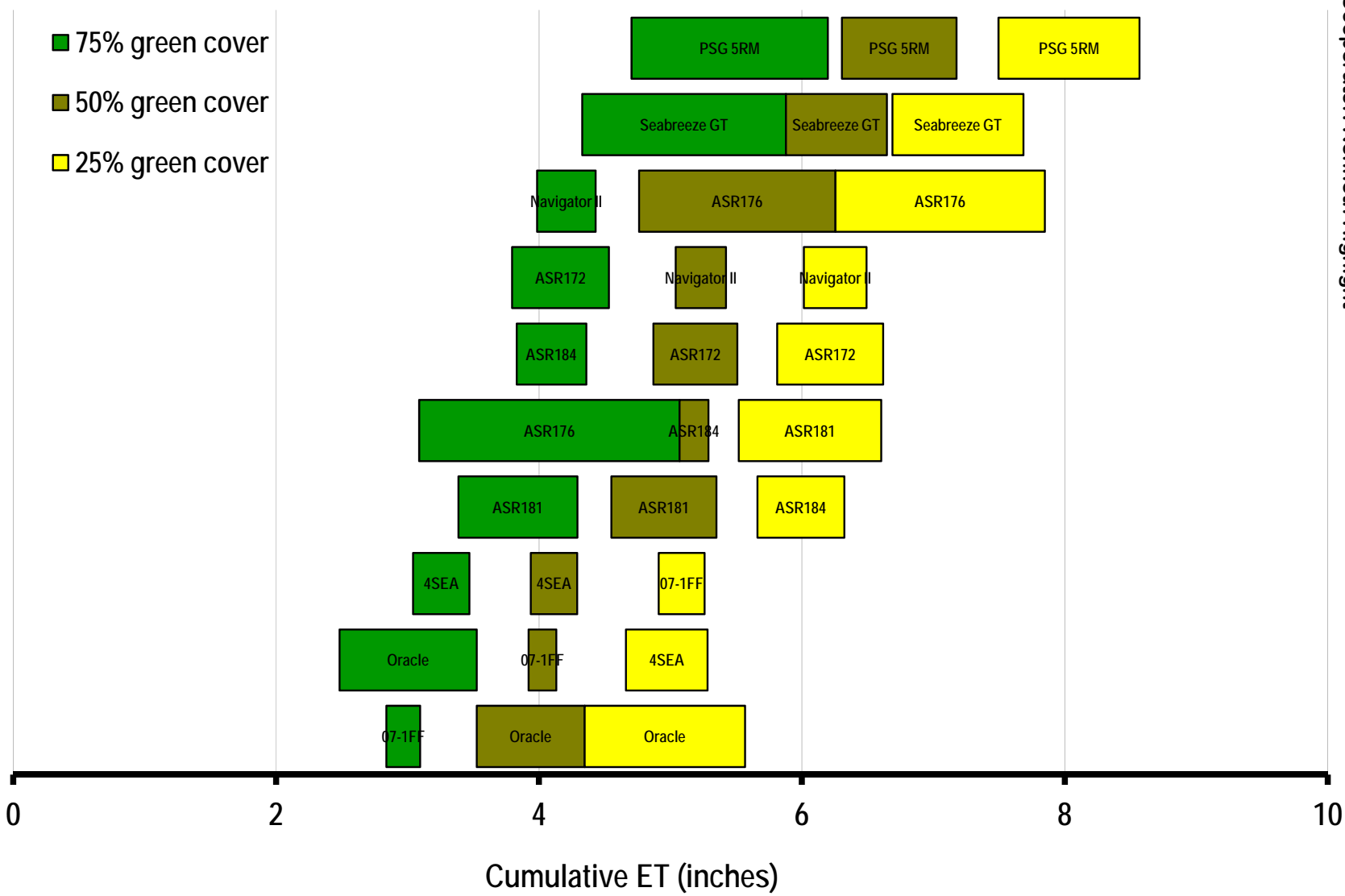


Figure 8. Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before the 10 slender creeping red fescue entries from data set 11CTFF12 reach 75, 50, and 25% green cover.

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

2012 Data

SPONSOR	CULTIVAR	Digital Image Analysis			Subjective Ratings	
		Percent Green Cover			Average Turf Quality	Average Turf Quality 2011-2012
		August	September	Average Cover		
Peak Genetics	PPG-TF 101	94.32	85.56	89.94	6.27	6.40
PST	Swagger (PST-5R05)	93.17	80.89	87.03	6.27	6.37
Peak Genetics	Titanium LS	91.13	77.27	84.20	5.53	5.87
Rutgers	6351	83.09	73.30	78.20	5.37	5.80
DLF	Essential	84.11	67.06	75.59	5.43	5.80
PST	Coronado TDH	81.50	64.19	72.85	5.53	5.67
NexGen	Rebel Exeda	85.20	65.42	75.32	5.37	5.53
NexGen	ATF1566	83.02	75.02	79.02	5.03	5.50
PSG	Corona	74.65	62.67	68.66	5.30	5.43
DLF	IS-TF 219	79.41	66.17	72.79	4.93	5.40
DLF	IS-TF 215	76.83	62.51	69.67	4.50	5.17
PST	Rain Dance (PST-5SDT)	85.14	75.92	80.53	4.53	5.10
Rutgers	Catalyst	73.80	64.88	69.34	4.60	5.00
PST	PST-5MCD	81.07	69.82	75.45	4.37	5.00
Rutgers	Traverse	76.07	63.65	69.86	4.77	4.97
DLF	IS-TF 226	77.04	63.00	70.02	4.43	4.97
Peak Genetics	Raptor II	83.87	72.01	77.94	4.27	4.93
PST	PST-5SIS	85.04	73.18	79.11	4.83	4.93
PST	PST-R5NW	84.17	70.88	77.52	4.97	4.93
PST	PST-5SLV	71.41	64.21	67.81	4.53	4.93
DLF	IS-TF 217	80.21	65.22	72.72	4.37	4.87
DLF	IS-TF 231C	77.85	60.29	69.07	4.33	4.87
PST	PST-5LIV	76.03	62.22	69.13	4.47	4.83
Rutgers	Rhambler	73.45	62.17	67.81	4.53	4.77
PSG	PSG 8308	79.66	64.45	72.06	4.43	4.77
NexGen	ATF1618	70.16	58.36	64.26	4.03	4.73
PST	Meridian (PST-5GRB)	78.39	55.61	67.00	4.37	4.70
NexGen	ATF1567	78.72	65.59	72.15	4.47	4.70
Peak Genetics	PPG-TF 116	74.35	60.96	67.66	4.03	4.67
PSG	STR 86QRH	74.42	64.91	69.66	4.03	4.67
PSG	Crossfire 3	76.14	65.06	70.60	3.97	4.67
DLF	IS-TF 197	69.87	56.35	63.11	3.93	4.63
Rutgers	LW	68.87	57.88	63.38	4.37	4.60
PST	PST-5DRP	75.13	62.00	68.56	4.13	4.60
PSG	PSG 82BPRH	77.09	60.12	68.60	4.10	4.57
PST	PST-5DVD-07	73.65	62.22	67.94	4.27	4.57
NexGen	ATF1569	84.02	69.58	76.80	4.53	4.57
PSG	Mustang 4	68.60	51.96	60.28	4.10	4.53
PSG	PSG 709509	65.14	47.16	56.15	4.27	4.53
NexGen	ATF1614	74.44	64.10	69.27	4.37	4.53
NexGen	ATF1613	77.05	63.10	70.08	3.93	4.50
PST	PST-5MVD	67.12	58.50	62.81	4.03	4.47
NexGen	Verti (ATF1612)	74.35	58.90	66.63	4.10	4.47
NexGen	ATF1550	73.07	60.05	66.56	4.43	4.47
Rutgers	Falcon IV	71.41	55.04	63.23	4.20	4.40
Peak Genetics	PPG-TF 117	71.94	52.72	62.33	3.87	4.40
PST	Tarnation GT (PST-5T8E)	74.85	61.68	68.27	3.77	4.40
PST	Cumberland (PST-5R20)	79.66	67.04	73.35	3.97	4.40
Rutgers	3rd Millennium	59.69	45.33	52.51	3.87	4.37
PST	PST-5BGR	80.43	65.81	73.12	4.27	4.37
PST	PST-5AWT	84.49	64.60	74.55	3.87	4.37
PSG	PSG 6008	78.77	64.12	71.45	3.77	4.33
PSG	PSG3905	81.98	69.76	75.87	4.03	4.33
NexGen	ATF1570	72.07	55.04	63.56	4.03	4.33
NexGen	ATF1620	76.67	60.34	68.51	3.93	4.33
NexGen	ATF1621	61.29	49.27	55.28	3.70	4.33
PSG	PSG 07-9	65.18	52.19	58.69	4.03	4.30

SPONSOR	CULTIVAR	Digital Image Analysis			Subjective Ratings	
		Percent Green Cover			Average Turf Quality	Average Turf Quality 2011-2012
		August	September	Average Cover		
PST	Wolfpack II	71.42	53.43	62.43	3.87	4.30
PST	PST-5FDR	72.79	54.65	63.72	3.67	4.27
NexGen	ATF1608	75.72	70.19	72.96	3.87	4.27
PST	PST-5SXR	76.43	62.89	69.66	3.80	4.23
NexGen	ATF1571	71.65	51.99	61.82	3.77	4.23
NexGen	ATF1491	63.80	48.22	56.01	3.53	4.23
Peak Genetics	PPG-TF 102	71.34	59.67	65.50	3.60	4.20
DLF	IS-TF 227	78.50	62.66	70.58	3.60	4.20
DLF	IS-TF 230B	66.58	52.99	59.79	3.53	4.20
PST	PST-5V4	79.59	63.50	71.54	3.93	4.20
Rutgers	Shenandoah III	64.01	46.28	55.15	3.97	4.13
Peak Genetics	PPG-TF 105	64.80	52.15	58.48	3.70	4.13
DLF	IS-TF 223	76.02	62.27	69.14	3.70	4.13
DLF	Bullseye	80.77	64.15	72.46	3.70	4.13
Rutgers	FCE3	59.78	48.92	54.35	3.53	4.10
Peak Genetics	PPG-TF 106	61.07	44.31	52.70	3.50	4.10
DLF	IS-TF 234C	65.86	53.09	59.48	3.77	4.10
NexGen	ATF1548	66.68	51.91	59.29	4.00	4.10
PST	Gazelle II	82.44	63.37	72.91	3.50	4.07
PST	PST-5SXD	70.98	57.97	64.47	3.43	4.07
PST	PST-5DKB	70.83	51.88	61.36	3.43	4.00
NexGen	ATF1609	72.62	63.37	68.00	3.70	4.00
DLF	IS-TF 224	65.62	50.26	57.93	3.53	3.93
Rutgers	Shenandoah Elite	67.54	54.90	61.22	3.30	3.83
NexGen	ATF1568	70.00	59.21	64.61	3.27	3.83
PST	PST-5YMY	77.79	64.05	70.92	3.70	3.80
PST	Rain Saver (PST-5SDS)	63.67	49.16	56.42	3.53	3.77
Peak Genetics	PPG-TF 115	58.72	50.60	54.66	3.20	3.70
Peak Genetics	Spyder LS	68.84	53.70	61.27	3.27	3.70
NexGen	ATF1611	69.73	52.27	61.00	2.87	3.70
PSG	PSG 8GRTR	71.09	48.89	59.99	3.43	3.67
NexGen	ATF1610	64.27	56.14	60.21	3.37	3.63
PSG	PSG 07-5	64.47	52.40	58.44	2.83	3.60
PSG	PSG 5908	50.82	47.63	49.23	3.20	3.57
Rutgers	Finelawn Xpress	63.89	51.88	57.89	3.10	3.50
NexGen	Penn 1901	71.97	60.27	66.12	3.10	3.47
NexGen	ATF1549	66.38	51.35	58.87	2.77	3.43
PSG	PSG 08-6	75.40	59.66	67.53	2.70	3.33
NexGen	ATF1551	58.07	41.32	49.70	2.77	3.33
Peak Genetics	Firecracker LS	67.69	45.72	56.71	2.93	3.30
PSG	PSG 8SP1	55.71	41.11	48.41	2.97	3.30
NexGen	ATF1547	64.28	43.60	53.94	2.83	3.23
DLF	IS-TF 225	63.59	48.42	56.00	2.87	3.13
DLF	IS-TF 233C	68.39	49.19	58.79	2.60	3.13
NexGen	ATF1619	67.95	61.06	64.51	2.27	3.03
Peak Genetics	KY-31	64.90	52.83	58.87	2.77	2.97
Rutgers	Falcon V	52.62	40.58	46.60	2.33	2.90
	CV	19.45	24.57	21.14	33.52	26.84
	LSD (0.05)	19.14	19.58	18.83	1.78	1.58
	GRAND MEAN	72.96	59.07	66.01	3.95	4.36
	MIN. MEAN	50.82	40.58	46.60	2.27	2.90
	MAX. MEAN	94.32	85.56	89.94	6.27	6.40

Percent Green Cover = 1-100; 100=Most Cover

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

Average Turf Quality 2011-2012 = 1-9; 9=Best (9 ratings, 2 years of data)

CTBT: 2010 Trial
 Tall Fescue Turf Trial
 Location: Blacksburg, Virginia
 Cooperator: Dr. Mike Goatley

2012 Data

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality	Average Turf Quality 2011-2012
Rutgers	LW	6.67	6.42
DLF	IS-TF 225	6.67	6.35
NexGen	ATF1608	6.67	6.29
PST	PST-5AWT	6.38	6.20
NexGen	ATF1610	6.47	6.18
Peak Genetics	PPG-TF 116	6.19	6.16
Peak Genetics	PPG-TF 106	5.95	6.13
PSG	Mustang 4	6.24	6.13
PST	PST-5MCD	6.43	6.13
Peak Genetics	PPG-TF 102	6.38	6.09
Peak Genetics	PPG-TF 101	5.91	6.07
PSG	Corona	6.43	6.07
DLF	IS-TF 233C	6.38	6.07
NexGen	ATF1548	6.14	6.07
NexGen	ATF1549	6.24	6.07
DLF	IS-TF 223	6.34	6.06
NexGen	ATF1550	5.95	6.05
Peak Genetics	PPG-TF 105	6.09	6.04
PST	PST-5DVD-07	6.43	6.00
PST	Wolfpack II	6.05	6.00
PST	PST-5DKB	6.05	6.00
NexGen	ATF1614	6.29	6.00
Rutgers	Falcon V	6.19	6.00
Peak Genetics	PPG-TF 115	5.95	5.98
DLF	IS-TF 227	6.24	5.96
DLF	IS-TF 234C	6.19	5.96
PST	PST-5V4	6.19	5.96
PST	PST-5DRP	6.24	5.96
PST	Swagger (PST-5R05)	6.00	5.95
NexGen	ATF1571	6.29	5.93
PSG	PSG 07-5	6.33	5.91
NexGen	ATF1609	6.09	5.91
NexGen	ATF1570	6.00	5.87
Rutgers	Finelawn Xpress	5.91	5.87
DLF	IS-TF 219	6.10	5.87
DLF	IS-TF 230B	5.76	5.87
PST	Rain Dance (PST-5SDT)	6.10	5.86
NexGen	ATF1621	6.28	5.85
Rutgers	Shenandoah Elite	5.95	5.84
NexGen	ATF1613	5.47	5.84
PSG	PSG 709509	5.66	5.82
NexGen	ATF1547	5.86	5.82
PST	Coronado TDH	6.00	5.82
DLF	IS-TF 217	5.86	5.80
PST	Gazelle II	6.00	5.80
DLF	IS-TF 224	5.57	5.80
NexGen	ATF1569	6.00	5.80
Rutgers	Traverse	5.72	5.78
Peak Genetics	Spyder LS	5.86	5.76
PST	PST-5FDR	5.76	5.76
PST	PST-5MVD	5.86	5.76
PST	PST-5SLV	5.86	5.76
NexGen	Rebel Exeda	6.00	5.76
NexGen	ATF1567	5.90	5.75
NexGen	Verti (ATF1612)	5.76	5.75
Rutgers	Rhambler	5.81	5.74

Subjective Ratings

SPONSOR	CULTIVAR	Average Turf Quality	Average Turf Quality 2011-2012
PSG	PSG 8SP1	6.00	5.73
DLF	Bullseye	5.81	5.71
Rutgers	6351	6.05	5.69
Rutgers	Falcon IV	5.71	5.67
PST	Cumberland (PST-5R20)	5.95	5.67
PST	PST-R5NW	5.71	5.67
NexGen	ATF1611	5.76	5.67
Rutgers	Catalyst	5.76	5.66
PSG	Crossfire 3	5.81	5.66
Rutgers	3rd Millennium	5.76	5.65
PST	PST-5SIS	5.86	5.65
PSG	PSG 07-9	5.76	5.64
DLF	IS-TF 215	5.76	5.64
DLF	Essential	5.38	5.64
PST	Meridian (PST-5GRB)	5.95	5.64
NexGen	ATF1618	5.81	5.64
NexGen	ATF1619	5.95	5.62
DLF	IS-TF 197	5.29	5.60
PSG	PSG 5908	5.62	5.58
PST	Rain Saver (PST-5SDS)	5.76	5.58
PST	PST-5SXR	5.67	5.56
PSG	PSG 82BPRH	5.52	5.54
NexGen	ATF1551	5.67	5.51
PSG	STR 86QRH	5.90	5.51
PST	PST-5BGR	5.76	5.51
NexGen	ATF1568	5.81	5.51
Peak Genetics	Raptor II	5.24	5.49
PST	PST-5LIV	5.52	5.47
PSG	PSG 08-6	5.76	5.42
DLF	IS-TF 231C	5.43	5.42
PST	PST-5YMY	5.57	5.42
NexGen	ATF1566	5.62	5.42
NexGen	ATF1620	5.86	5.42
Peak Genetics	PPG-TF 117	5.34	5.40
PST	Tarnation GT (PST-5T8E)	5.62	5.40
Rutgers	FCE3	5.57	5.38
PSG	PSG 6008	5.19	5.36
NexGen	Penn 1901	5.53	5.33
Rutgers	Shenandoah III	5.29	5.31
Peak Genetics	Firecracker LS	5.29	5.31
PSG	PSG3905	5.52	5.31
Peak Genetics	Titanium LS	5.24	5.29
NexGen	ATF1491	5.57	5.22
DLF	IS-TF 226	5.38	5.18
PST	PST-5SXD	5.05	5.16
PSG	PSG 8308	5.00	5.11
PSG	PSG 8GRTR	4.67	4.93
Peak Genetics	KY-31	4.19	4.13
	CV	7.70	5.25
	LSD (0.05)	0.61	0.41
	GRAND MEAN	5.85	5.73
	MIN. MEAN	4.19	4.13
	MAX. MEAN	6.67	6.42

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

Average Turf Quality 2011-2012 = 1-9; 9=Best (15 ratings, 2 years of data)

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								
Arkansas Fayetteville	5.0	1.1	0.65	Silt Loam	6.2	1.75	Prevent Stress	Subdue Maxx	Barricade Dimension	Full Sun	
Illinois Urbana	2.5	0.4	0.4	Silt Loam and Silt	6.3	2.0	Prevent Stress	None	None	Full Sun	
Kentucky Berry	9.75	1.0	0.9	Ashton Silt Loam	6.6	2.0	1 inch/wk	Quadris Heritage	Pendimethalin MecAmine Imprelis	Full Sun	
Minnesota St. Paul	3.0	0.2	0.4	Wakegan Silt Loam	6.8	2.0	Prevent Severe Stress	None	None	Full Sun	
New Jersey North Brunswick	0.9	0.0	0.1	Sandy Loam	6.1	1.5	Prevent Severe Stress	Segway	Dacthal Merit	Wear Full Sun	
New Jersey Salem	3.0	0.0	0.0	Silt Loam	6.3	1.5	Prevent Stress	None	Barricade	Full Sun	
North Carolina Rolesville	5.0	0.0	0.0	Durham Loamy Sand	6.0	2.0	Prevent Dormancy	None	None	Full Sun	
Oregon Albany	5.75	0.7	1.45	Woodburn Silt Loam	5.0	1.0	Promote Drought	Quilt Quadris	None	Drought	
Oregon Canby	2.5	0.0	0.0	Woodburn Silty Clay Loam	5.6	3.0	Prevent Stress	None	None	Shade	
Virginia Blacksburg	2.0	0.0	0.0	Sandy Clay	6.1	3.0	Prevent Stress		Pendimethalin	Sun	50# Lime

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 Broad Leaf Herbicide	Full Sun	
Illinois Urbana	2.5	0.4	0.4	Silt Loam and Silt	6.3	7/8	Prevent Stress	None	Lontrel	Full Sun	
Kentucky Berry	4.75	0.5	0.5	Ashton Silt Loam	6.6	2.0	1 inch/wk	Quadris	Imprelis MecAmine Pendimthalin	Full Sun	
Massachusetts Amherst	3.0	0.8	0.5	Silt Loam	5.7	2.0	None	None	Merit Barricade	Full Sun	
Minnesota St. Paul	2.5	0.2	0.35	Wakegan Silt Loam	6.8	2	No Irrig.	None	2, 4D	Full Sun	Innoc. Summer Patch
New Jersey Adelphia	1.5	0.0	0.0	Sandy Loam	6.1	1.5	Prevent Severe Stress	None	Dimension, 3 way ester Merit, Lontrel 2,4D & Banvel	Full Sun	
New Jersey Salem	3.0	0.0	0.0	Silt Loam	6.3	1.5	Prevent Stress	None	Barricade	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	6.75	0.75	1.75	Woodburn Silt Loam	5.0	1.0	Promote Drought	Tilt / Bravo Quadris Quilt	None	Drought	

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								
Arkansas Fayetteville	5.0	1.1	0.65	Silt Loam	6.2	1.75	Prevent Stress	Subdue Maxx	Barricade Dimension	Full Sun	
Illinois Urbana	2.5	0.4	0.4	Silt Loam and Silt	6.3	2.0	Prevent Stress	None	None	Full Sun	
Kentucky Berry	9.75	1.0	0.9	Ashton Silt Loam	6.6	2.0	1 inch/wk	Quadris Heritage	Pendimethalin MecAmine Imprelis	Full Sun	
Minnesota St. Paul	3.0	0.2	0.4	Wakegan Silt Loam	6.8	2.0	Prevent Severe Stress	None	None	Full Sun	
New Jersey North Brunswick	0.9	0.0	0.1	Sandy Loam	6.1	1.5	Prevent Severe Stress	Segway	Dacthal Merit	Wear Full Sun	
New Jersey Salem	3.0	0.0	0.0	Silt Loam	6.3	1.5	Prevent Stress	None	Barricade	Full Sun	
North Carolina Rolesville	5.0	0.0	0.0	Durham Loamy Sand	6.0	2.0	Prevent Dormancy	None	None	Full Sun	
Oregon Albany	5.75	0.7	1.45	Woodburn Silt Loam	5.0	1.0	Promote Drought	Quilt Quadris	None	Drought	
Oregon Canby	2.5	0.0	0.0	Woodburn Silty Clay Loam	5.6	3.0	Prevent Stress	None	None	Shade	
Virginia Blacksburg	2.0	0.0	0.0	Sandy Clay	6.1	3.0	Prevent Stress		Pendimethalin	Sun	50# Lime

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 Broad Leaf Herbicide	Full Sun	
Illinois Urbana	2.5	0.4	0.4	Silt Loam and Silt	6.3	7/8	Prevent Stress	None	Lontrel	Full Sun	
Kentucky Berry	4.75	0.5	0.5	Ashton Silt Loam	6.6	2.0	1 inch/wk	Quadris	Imprelis MecAmine Pendimthalin	Full Sun	
Massachusetts Amherst	3.0	0.8	0.5	Silt Loam	5.7	2.0	None	None	Merit Barricade	Full Sun	
Minnesota St. Paul	2.5	0.2	0.35	Wakegan Silt Loam	6.8	2	No Irrig.	None	2, 4D	Full Sun	Innoc. Summer Patch
New Jersey Adelphia	1.5	0.0	0.0	Sandy Loam	6.1	1.5	Prevent Severe Stress	None	Dimension, 3 way ester Merit, Lontrel 2,4D & Banvel	Full Sun	
New Jersey Salem	3.0	0.0	0.0	Silt Loam	6.3	1.5	Prevent Stress	None	Barricade	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	6.75	0.75	1.75	Woodburn Silt Loam	5.0	1.0	Promote Drought	Tilt / Bravo Quadris Quilt	None	Drought	