

University of GA Coop Ext Service

2002 St. Augustinegrass NTEP Trial

Trial ID: StAugNTEP-02

Study Dir.: Steve Brady and Dave Lonvill

Location: Bamboo Farm

Investigator: F. Clint Waltz

GENERAL TRIAL INFORMATION

Study Director: Steve Brady and Dave Lonvill

Title: County Ext. Agent

Investigator: F. Clint Waltz

Title: Turf Scientist

Trial Location: Bamboo Farm

City: Savannah, GA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP DESCRIPTION

Crop 1: STPSE St. Augustinegrass/ *Stenotaphrum secundatum*

Planting Date: 6-13-2002

Planting Method: Plugged

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 6 FT Reps: 3

Study Design: RANDOMIZED COMPLETE BLOCK

APPLICATION DESCRIPTION

	A
Application Date:	6-13-2002
Time of Day:	9:30 am
Application Method:	Plugging
Application Timing:	Initial
Air Temp., Unit:	80 F
% Relative Humidity:	70
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	n
Soil Temp., Unit:	85 F
Soil Moisture:	Dry
% Cloud Cover:	0

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Study Dir.: Steve Brady and Dave Lonvill

Location: Bamboo Farm

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Rating Data Type	Establish	Establish	Establish	Density	Density
Rating Unit	%	%	1 to 9	1 to 9	1 to 9
Rating Date	7-7-2002	7-27-2002	7-27-2002	9-30-2002	10-28-2002
Assessed By	FCW	FCW	FCW	SB & ML	SB & ML
Trt-Eval Interval	3WAE	6WAE	6WAE	16 WAE	20 WAE
# Subsamples, Dec.	1 0	1 0	1 1	2 1	2 1
Trt Treatment					
No. Name Description					
1 Raleigh Standard Entry	37 b	52 b	5.8 b	6.0 bc	6.2 b
2 Floratam Standard Entry	35 b	43 b	5.2 b	4.1 d	4.6 c
3 Delmar Standard Entry	38 b	45 b	5.2 b	3.8 d	4.3 c
4 Mercedes Super Sod / Patten Seed	37 b	45 b	5.2 b	4.8 cd	5.3 bc
5 MSA 31 Mississippi State University	53 a	65 a	6.8 a	7.8 a	8.0 a
6 MSA 2-3-98 Mississippi State University	50 a	53 b	5.8 b	6.3 b	6.3 b
LSD (P=.05)	7.8	9.6	0.74	1.27	1.36
Standard Deviation	4.3	5.3	0.41	0.70	0.75
CV	10.28	10.48	7.2	12.8	12.97

Rating Data Type	Density	Density	Density	Density	Density	Density
Rating Unit	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9
Rating Date	11-26-2002	12-23-2002	3-24-2003	4-24-2003	5-23-2003	6-26-2003
Assessed By	SB & ML	SB & ML	SB & ML	SB & ML	SB & ML	SB & ML
Trt-Eval Interval	24 WAE	28 WAE	9 MAE	10 MAE	11 MAE	12 MAE
# Subsamples, Dec.	1 1	1 1	1 1	1 1	1 1	1 1
Trt Treatment						
No. Name Description						
1 Raleigh Standard Entry	5.7 b	5.8 b	4.7 b	5.3 abc	6.8 ab	7.4 a
2 Floratam Standard Entry	4.4 c	4.2 c	3.0 c	3.3 d	4.1 d	4.9 c
3 Delmar Standard Entry	4.4 c	4.2 c	3.4 bc	4.1 cd	4.9 cd	6.1 bc
4 Mercedes Super Sod / Patten Seed	5.5 b	4.4 c	3.9 bc	4.9 bc	5.6 bc	6.2 b
5 MSA 31 Mississippi State University	7.9 a	7.5 a	6.3 a	6.5 a	7.4 a	7.9 a
6 MSA 2-3-98 Mississippi State University	6.5 b	6.2 b	4.6 b	6.1 ab	6.9 ab	7.5 a
LSD (P=.05)	1.05	1.22	1.20	1.20	1.33	1.17
Standard Deviation	0.58	0.67	0.66	0.66	0.73	0.64
CV	10.03	12.5	15.24	13.15	12.33	9.63

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Rating Data Type	Density	Density	Density	TQ	TQ	TQ
Rating Unit	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9
Rating Date	7-24-2003	8-28-2003	9-25-2003	7-7-2002	7-27-2002	8-20-2002
Assessed By	SB, KK & DL	KK & DL	KK & DL	FCW	FCW	FCW
Trt-Eval Interval	13 MAE	14 MAE	15 MAE	3WAE	6WAE	10 WAE
# Subsamples, Dec.	1 1	1 1	1 1	1 1	1 1	1 1
Trt Treatment						
No. Name Description						
1 Raleigh Standard Entry	6.5 ab	7.2 a	7.7 a	7.3 ab	6.7 ab	6.8 ab
2 Floratam Standard Entry	4.3 d	4.7 b	4.8 b	7.0 b	6.0 ab	6.7 ab
3 Delmar Standard Entry	5.2 c	6.0 ab	5.7 ab	7.5 ab	7.0 a	6.5 ab
4 Mercedes Super Sod / Patten Seed	5.1 c	6.2 ab	6.2 ab	7.0 b	6.5 ab	7.0 a
5 MSA 31 Mississippi State University	7.1 a	7.7 a	7.9 a	7.8 a	6.0 ab	6.3 b
6 MSA 2-3-98 Mississippi State University	6.3 b	6.2 ab	6.5 ab	7.2 b	5.8 b	5.2 c
LSD (P=.05)	0.80	1.91	2.13	0.61	0.95	0.60
Standard Deviation	0.44	1.05	1.17	0.34	0.52	0.33
CV	7.61	16.61	18.12	4.62	8.28	5.13

Rating Data Type	TQ	TQ	TQ	TQ	TQ	TQ
Rating Unit	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9
Rating Date	9-30-2002	10-28-2002	11-26-2002	12-23-2002	3-24-2003	4-24-2003
Assessed By	SB & ML	SB & ML	SB & ML	SB & ML	SB & ML	SB & ML
Trt-Eval Interval	16 WAE	20 WAE	24 WAE	28 WAE	9 MAE	10 MAE
# Subsamples, Dec.	2 1	2 1	1 1	1 1	1 1	1 1
Trt Treatment						
No. Name Description						
1 Raleigh Standard Entry	6.7 bc	5.3 b	5.6 b	4.4 bc	3.7 bc	4.8 abc
2 Floratam Standard Entry	5.9 cd	4.1 c	4.3 d	3.7 c	2.2 d	2.6 d
3 Delmar Standard Entry	5.7 d	4.4 bc	4.6 cd	3.8 c	2.8 cd	3.6 cd
4 Mercedes Super Sod / Patten Seed	6.1 cd	4.9 bc	5.4 bc	4.2 bc	3.6 bc	4.1 bc
5 MSA 31 Mississippi State University	7.8 a	7.3 a	7.6 a	5.8 a	5.1 a	5.6 a
6 MSA 2-3-98 Mississippi State University	7.2 ab	5.2 b	6.8 a	5.0 ab	4.2 ab	5.4 ab
LSD (P=.05)	0.84	0.96	0.94	1.05	0.98	1.37
Standard Deviation	0.46	0.53	0.52	0.58	0.54	0.75
CV	7.08	10.16	9.03	12.96	15.03	17.31

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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Rating Data Type	TQ	TQ	TQ	TQ	TQ	GLS
Rating Unit	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9
Rating Date	5-23-2003	6-26-2003	7-24-2003	8-28-2003	9-25-2003	7-27-2002
Assessed By	SB & ML	SB & ML	SB, KK & DL	KK & DL	KK & DL	FCW
Trt-Eval Interval	11 MAE	12 MAE	13 MAE	14 MAE	15 MAE	6 WAE
# Subsamples, Dec.	1 1	1 1	1 1	1 1	1 1	1 1
Trt Treatment						
No. Name Description						
1 Raleigh Standard Entry	5.5 ab	6.7 ab	6.7 a	7.2 a	7.7 a	5.8 b
2 Floratam Standard Entry	3.5 d	4.6 c	3.9 c	5.3 a	5.8 a	7.7 a
3 Delmar Standard Entry	4.3 cd	5.4 c	4.9 bc	6.5 a	6.0 a	8.0 a
4 Mercedes Super Sod / Patten Seed	4.8 bc	5.7 bc	4.9 bc	6.8 a	6.7 a	7.3 a
5 MSA 31 Mississippi State University	6.4 a	7.5 a	7.2 a	7.3 a	7.9 a	5.0 b
6 MSA 2-3-98 Mississippi State University	5.7 ab	6.8 ab	6.3 ab	5.8 a	6.5 a	5.0 b
LSD (P=.05)	1.01	1.17	1.46	2.27	2.37	1.48
Standard Deviation	0.55	0.64	0.80	1.25	1.30	0.81
CV	11.06	10.58	14.15	19.21	19.27	12.59

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)