

# University of GA Coop Ext Service

## 2002 Bermudagrass NTEP Trial

Trial ID: BermudaNTEP-02                      Crop: Bermudagrass  
 Location: GAES - Griffin                      Investigator: F. Clint Waltz

### GENERAL TRIAL INFORMATION

Investigator: F. Clint Waltz                      Title: Turf Scientist  
 Trial Location: GAES - Griffin, GA  
 Conducted Under GLP (Y/N): N                      Conducted Under GEP (Y/N): N

### Crop Description

Crop 1: CYNDA Bermudagrass *Cynodon dactylon*

### SITE AND DESIGN

Plot Width, Unit: 6                      FT                      Plot Length, Unit: 6                      FT  
 Reps: 3    Study Design: RANDOMIZED COMPLETE BLOCK

### APPLICATION DESCRIPTION

	A	B
Application Date:	6-24-03	7-16-2003
Crop Stage at Application	Seeded	Vegetative

### Trial Comments

Establishment that occurred during the Summer 2002 was highly contaminated and the decision (Clint Waltz and Kevin Morris) was made to re-establish the entire trial.

Beginning in Spring 2003 applications (3) of Roundup Pro were applied to the entire plot area to kill-off existing bermudagrass

6-24-03 - Seeded materials were planted according to NTEP protocol

Plots were covered with fabric and from first appearances plots established well with no observable escapes

7-14-03 - All vegetative plots were sprayed with Roundup Pro

7-16-03 - All vegetative plots were established according to NTEP protocol

8-29-03 - BP and Jonathan Bohn hand weeded plots with observable contamination (source unknown), appeared relatively pure afterwards.

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**2002 Bermudagrass NTEP Trial**

Trial ID: BermudaNTEP-02

Location: GAES - Griffin

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Crop Code		CYNDA	CYNDA	CYNDA	CYNDA	CYNDA	CYNDA	CYNDA	
Rating Data Type		Est Vigor	TQ	TQ	TQ	Density	Dormancy	Frost Toler	
Rating Unit		1 to 9	1 to 9	1 to 9	1 to 9	1 to 9	%	1 to 9	
Rating Date		8-14-2002	8-14-2002	9-9-2002	11-21-2002	9-30-2002	11-27-2002	11-27-2002	
Assessed By		FCW	FCW	FCW	FCW	FCW	BP	BP	
Trt-Eval Interval		1 MAS	1 MAS	2 MAS	4 MAS	2 MAS	4 MAS	4 MAS	
Entry No.	Entry Name	Appl Code							
1	Sunstar	SEEDDED	7.7 a	6.8 a-d	5.7 e-h	6.3 a-e	6.0 b-f	87 a	1.3 f
2	B-14	SEEDDED	7.3 abc	6.3 a-d	5.7 e-h	5.8 a-f	6.2 a-f	83 ab	1.7 ef
3	SWI-1003	SEEDDED	7.0 a-e	6.7 a-d	6.5 a-e	6.7 a-d	6.7 a-d	70 b-e	3.0 a-d
4	SWI-1012	SEEDDED	6.3 a-f	6.7 a-d	6.3 b-f	6.2 a-f	6.7 a-d	73 a-e	2.7 b-e
5	SWI-1014	SEEDDED	4.7 hij	4.8 ef	5.8 d-g	5.3 d-h	6.3 a-f	73 a-e	2.7 b-e
6	SWI-1041	SEEDDED	6.7 a-f	7.0 abc	6.8 abc	6.2 a-f	7.0 abc	73 a-e	2.7 b-e
7	SWI-1044	SEEDDED	6.8 a-e	7.0 abc	7.3 a	6.7 a-d	7.2 ab	67 cde	3.3 abc
8	SWI-1045	SEEDDED	7.3 abc	7.3 a	6.5 a-e	7.2 a	7.0 abc	67 cde	3.3 abc
9	SWI-1046	SEEDDED	5.8 d-h	6.0 a-e	6.7 a-d	6.7 a-d	6.5 a-e	70 b-e	3.0 a-d
10	Arizona Common	SEEDDED	6.8 a-e	5.5 def	5.3 ghi	5.5 c-g	5.2 fgh	83 ab	1.7 ef
11	NuMex Sahara	SEEDDED	7.7 a	6.7 a-d	5.5 fgh	5.7 b-f	5.8 c-g	80 abc	2.0 def
12	Princess 77	SEEDDED	7.5 ab	7.0 abc	6.2 b-g	5.7 b-f	6.3 a-f	73 a-e	2.7 b-e
13	Mohawk	SEEDDED	7.5 ab	6.7 a-d	5.5 fgh	5.0 e-h	5.8 c-g	80 abc	2.0 def
14	FMC-6	SEEDDED	7.5 ab	6.5 a-d	6.0 c-g	5.5 c-g	6.2 a-f	83 ab	1.7 ef
15	SWI-1001	SEEDDED	7.5 ab	6.7 a-d	5.7 e-h	5.7 b-f	6.0 b-f	87 a	1.3 f
16	Tift No. 3	VEGETATIVE	6.2 b-g	6.3 a-d				60 e	3.7 ab
17	Tift No. 4	VEGETATIVE	5.8 d-h	6.2 a-d				63 de	3.7 ab
18	Tifway	VEGETATIVE	4.5 ij	4.3 f				60 e	3.7 ab
19	Midlawn	VEGETATIVE	5.7 e-i	5.7 cde	5.7 e-h	5.2 e-h	5.8 c-g	73 a-e	2.7 b-e
20	Tifsport	VEGETATIVE	5.8 d-h	6.2 a-d				60 e	4.0 a
21	Sundevil	SEEDDED	7.5 ab	7.2 ab	6.0 c-g	6.0 a-f	6.3 a-f	80 abc	2.0 def
22	Southern Star	SEEDDED	7.5 ab	7.0 abc	6.0 c-g	6.0 a-f	6.3 a-f	83 ab	1.7 ef
23	MS-Choice	VEGETATIVE	6.5 a-f	6.2 a-d	6.3 b-f	6.2 a-f	6.7 a-d	67 cde	3.3 abc
24	Riviera	SEEDDED	7.2 a-d	7.0 abc	6.7 a-d	6.8 abc	7.0 abc	67 cde	3.3 abc
25	Transcontinental	SEEDDED	7.3 abc	6.8 a-d	6.5 a-e	6.3 a-e	6.8 abc	83 ab	1.7 ef
26	CIS-CD5	SEEDDED	7.2 a-d	6.8 a-d	6.0 c-g	6.7 a-d	6.2 a-f	83 ab	2.0 def
27	CIS-CD6	SEEDDED	6.7 a-f	6.3 a-d	5.7 e-h	6.2 a-f	6.0 b-f	83 ab	1.7 ef
28	CIS-CD7	SEEDDED	7.5 ab	6.8 a-d	6.0 c-g	5.3 d-h	6.2 a-f	80 abc	2.0 def
29	Panama	SEEDDED	7.3 abc	6.5 a-d	5.5 fgh	5.7 b-f	6.0 b-f	80 abc	2.0 def
30	SRX 9500	SEEDDED	7.7 a	6.5 a-d	5.8 d-g	6.0 a-f	5.5 d-g	87 a	1.3 f
31	SR 9554	SEEDDED	7.5 ab	7.0 abc	6.2 b-g	6.2 a-f	6.3 a-f	87 a	1.3 f

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Crop Code	CYND A	CYND A	CYND A	CYND A	CYND A	CYND A	CYND A		
Rating Data Type	Est Vigor	TQ	TQ	TQ	Density	Dormancy	Frost Toler		
Rating Unit	1 to 9	1 to 9	1 to 9	1 to 9	1 to 9	%	1 to 9		
Rating Date	8-14-2002	8-14-2002	9-9-2002	11-21-2002	9-30-2002	11-27-2002	11-27-2002		
Assessed By	FCW	FCW	FCW	FCW	FCW	BP	BP		
Trt-Eval Interval	1 MAS	1 MAS	2 MAS	4 MAS	2 MAS	4 MAS	4 MAS-		
Entry No.	Entry Name	Appl Code							
32	Yukon	SEEDDED	4.3 j	4.3 f	4.8 hi	4.2 h	4.8 gh	77 a-d	2.3 c-f
33	Aussie Green	VEGETATIVE	5.8 d-h	6.0 a-e	7.0 ab	6.0 a-f	6.5 a-e	77 a-d	2.3 c-f
34	GN-1	VEGETATIVE	6.5 a-f	6.3 a-d	6.2 b-g	5.3 d-h	6.7 a-d	80 abc	2.0 def
35	OR 2002	VEGETATIVE	5.8 d-h	6.3 a-d	6.3 b-f	6.3 a-e	6.3 a-f	67 cde	3.3 abc
36	Ashmore	VEGETATIVE	4.3 j	5.5 def	3.0 j	4.3 gh	3.0 i	80 abc	2.0 def
37	Patriot	VEGETATIVE	6.5 a-f	6.7 a-d	6.0 c-g	5.0 e-h	6.3 a-f	83 ab	1.7 ef
38	OKC 70-18	VEGETATIVE	5.0 g-j	5.7 cde	4.8 hi	4.8 fgh	4.3 h	63 de	3.7 ab
39	Celebration	VEGETATIVE	7.0 a-e	6.8 a-d	6.5 a-e	7.0 ab	7.2 ab	63 de	3.7 ab
40	Tift No. 1	SEEDDED	7.0 a-e	7.0 abc	6.8 abc	6.3 a-e	6.8 abc	70 b-e	3.0 a-d
41	Tift No. 2	SEEDDED	7.3 abc	7.0 abc	6.2 b-g	6.2 a-f	6.5 a-e	77 a-d	2.3 c-f
42	PST-R68A	SEEDDED	5.5 f-j	5.8 b-e	6.3 b-f	5.8 a-f	6.5 a-e	77 a-d	2.0 def
43	Salt (Paspalum)	VEGETATIVE	6.8 a-e	6.7 a-d	7.3 a	5.7 b-f	7.3 a	67 cde	3.3 abc
44	561-79 (Paspalum)	VEGETATIVE	5.5 f-j	6.2 a-d	4.7 i	4.3 gh	4.3 h	77 a-d	2.3 c-f
45	Spray (Paspalum)	VEGETATIVE	6.0 c-g	6.2 a-d	5.7 e-h	5.5 c-g	5.3 e-h	67 cde	3.3 abc
LSD (P=.05)			1.09	1.08	0.72	1.09	0.98	11.1	1.05
Standard Deviation			0.67	0.66	0.44	0.67	0.60	6.8	0.64
CV			10.15	10.36	7.35	11.41	9.72	9.05	25.77

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

Crop Code		CYNDA	CYNDA	CYNDA	CYNDA	
Rating Data Type		Seed Stand	TQ	TQ	TQ	
Rating Unit		1-9	1-9	1-9	1-9	
Rating Date		7-24-2003	9-2-2003	9-30-2003	10-29-2003	
Assessed By		JB	JB	FCW	JB	
Trt-Eval Interval		8 DAS	1 MAS	2 MAS	3 MA	
Entry No.	Entry Name	Appl Code				
1	Sunstar	SEEDED	9.0 a	7.2 a-d	6.7 a-d	6.0 c-g
2	B-14	SEEDED	9.0 a	7.2 a-d	6.7 a-d	6.2 b-g
3	SWI-1003	SEEDED	5.7 b-e	7.0 b-e	6.5 b-e	5.7 d-g
4	SWI-1012	SEEDED	5.0 cde	7.2 a-d	7.0 ab	6.5 a-e
5	SWI-1014	SEEDED	2.0 fg	6.2 gh	6.5 b-e	5.5 efg
6	SWI-1041	SEEDED	3.7 efg	7.0 b-e	6.8 abc	6.2 b-g
7	SWI-1044	SEEDED	5.7 b-e	7.3 abc	6.8 abc	6.3 a-f
8	SWI-1045	SEEDED	4.3 def	7.2 a-d	7.0 ab	6.2 b-g
9	SWI-1046	SEEDED	5.0 cde	7.2 a-d	6.7 a-d	6.2 b-g
10	Arizona Common	SEEDED	9.0 a	7.0 b-e	6.5 b-e	6.2 b-g
11	NuMex Sahara	SEEDED	8.3 ab	7.0 b-e	6.5 b-e	6.3 a-f
12	Princess 77	SEEDED	6.3 a-e	7.2 a-d	6.7 a-d	6.2 b-g
13	Mohawk	SEEDED	9.0 a	7.0 b-e	6.7 a-d	6.3 a-f
14	FMC-6	SEEDED	8.3 ab	7.0 b-e	6.7 a-d	6.2 b-g
15	SWI-1001	SEEDED	8.3 ab	7.2 a-d	6.7 a-d	6.0 c-g
16	Tift No. 3	VEGETATIVE		6.7 d-g	7.0 ab	5.8 d-g
17	Tift No. 4	VEGETATIVE		6.7 d-g	7.0 ab	6.2 b-g
18	Tifway	VEGETATIVE		6.2 gh	6.7 a-d	6.8 a-d
19	Midlawn	VEGETATIVE		7.0 b-e	7.2 ab	7.5 a
20	Tifsport	VEGETATIVE		6.3 fgh	6.5 b-e	6.8 a-d
21	Sundevil	SEEDED	8.3 ab	7.3 abc	6.7 a-d	6.2 b-g
22	Southern Star	SEEDED	7.0 a-d	7.2 a-d	6.8 abc	6.3 a-f
23	MS-Choice	VEGETATIVE		6.3 fgh	5.8 de	5.2 fg
24	Riviera	SEEDED	6.3 a-e	7.5 ab	6.8 abc	6.5 a-e
25	Transcontinental	SEEDED	7.0 a-d	7.2 a-d	6.7 a-d	6.2 b-g
26	CIS-CD5	SEEDED	7.7 abc	7.2 a-d	6.8 abc	6.3 a-f
27	CIS-CD6	SEEDED	7.0 a-d	7.3 abc	6.7 a-d	6.5 a-e
28	CIS-CD7	SEEDED	5.7 b-e	7.0 b-e	6.7 a-d	5.8 d-g
29	Panama	SEEDED	7.0 a-d	7.0 b-e	6.7 a-d	6.5 a-e
30	SRX 9500	SEEDED	7.0 a-d	7.2 a-d	6.3 b-e	6.2 b-g
31	SR 9554	SEEDED	7.7 abc	7.2 a-d	6.5 b-e	5.5 efg
32	Yukon	SEEDED	1.2 g	2.0 i	4.0 f	4.0 h
33	Aussie Green	VEGETATIVE		7.7 a	7.5 a	7.3 ab
34	GN-1	VEGETATIVE		6.8 c-f	7.0 ab	6.0 c-g
35	OR 2002	VEGETATIVE		7.2 a-d	7.5 a	7.2 abc
36	Ashmore	VEGETATIVE		5.8 h	6.3 b-e	7.2 abc
37	Patriot	VEGETATIVE		7.2 a-d	7.5 a	6.3 a-f
38	OKC 70-18	VEGETATIVE		6.7 d-g	6.5 b-e	6.3 a-f
39	Celebration	VEGETATIVE		6.5 efg	7.2 ab	6.3 a-f
40	Tift No. 1	SEEDED	3.7 efg	6.8 c-f	6.7 a-d	6.2 b-g
41	Tift No. 2	SEEDED	3.7 efg	7.2 a-d	6.8 abc	6.5 a-e
42	PST-R68A	SEEDED	5.0 cde	7.2 a-d	6.5 b-e	5.8 d-g
43	Salt (Paspalum)	VEGETATIVE		6.5 efg	6.0 cde	5.0 g
44	561-79 (Paspalum)	VEGETATIVE		6.5 efg	5.8 de	5.2 fg
45	Spray (Paspalum)	VEGETATIVE		6.2 gh	5.7 e	5.3 efg
LSD (P=.05)			2.32	0.48	0.77	0.96
Standard Deviation			1.42	0.30	0.47	0.59
CV			22.55	4.35	7.09	9.53

