North Carolina State University

Common Centipedegrass and El Toro Zoysiagrass Establishment via Sod

Trial ID: 02-D52 Study Dir.: Travis Gannon
Location: Sandhills Station Investigator: Fred Yelverton

GENERAL TRIAL INFORMATION

Study Director: Travis Gannon **Title:** Research Associate
Affiliation: North Carolina State University
Postal Code: 27695
Investigator: Fred Yelverton **Title:** Professor
Affiliation: North Carolina State University
Postal Code: 27695

TRIAL LOCATION

City: Jackson Springs **Trial Status:** Completed
State/Prov.: NC
Postal Code: 27281 **Initiation Date:** 7-26-02
Country: USA

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Crop 1: EREOP centipedegrass **Variety:** common
Planting Date: 7-26-02 **Planting Method:** sod

Crop 2: ZOYJA zoysiagrass **Variety:** El Toro
Planting Date: 7-26-02 **Planting Method:** sod

SITE AND DESIGN

Plot Width, Unit: 5 FT **Plot Length, Unit:** 10 FT **Reps:** 4
Study Design: RANDOMIZED COMPLETE BLOCK

APPLICATION DESCRIPTION

	A
Application Date:	7-26-02
Time of Day:	2-3 PM
Application Method:	SOD
Application Timing:	JULY 26
Applic. Placement:	BED
Air Temp., Unit:	86.4 F
% Relative Humidity:	67
Wind Velocity, Unit:	1.6 MPH
Dew Presence (Y/N):	N
Soil Temp., Unit:	83 F
Soil Moisture:	FAIR
% Cloud Cover:	10

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	EREOP SOD
Crop 2 Code, Stage:	ZOYJA SOD

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume					
Crop Code											SOD	SOD	SOD	SOD	SOD
Rating Data Type											ALIVE	ALIVE	ALIVE	ALIVE	ALIVE
Rating Unit											%	%	%	%	%
Rating Date											8-7-02	8-13-02	8-27-02	9-24-02	10-14-02
Trt-Eval Interval											12 DA-A	18 DA-A	32 DA-A	60 DA-A	80 DA-A
1	Common Centipedegrass										100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
2	'El Toro' Zoysiagrass										100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
LSD (P=.05)											0.00	0.00	0.00	0.00	0.00
Standard Deviation											0.00	0.00	0.00	0.00	0.00
CV											0.0	0.0	0.0	0.0	0.0
Grand Mean											100.0	100.0	100.0	100.0	100.0
Bartlett's X2											0.0	0.0	0.0	0.0	0.0
P(Bartlett's X2)											.	.	.	.	.
Replicate F											0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)											1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F											0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)											1.0000	1.0000	1.0000	1.0000	1.0000

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume	SOD ALIVE % 6-11-03 320 DA-A	SOD COVER % 8-25-03 395 DA-A	SOD SPREAD % 8-7-02 12 DA-A	SOD SPREAD % 8-13-02 18 DA-A
1	Common Centipedegrass										100.0 a	90.0 a	0.0 a	0.0 a
2	'El Toro' Zoysiagrass										100.0 a	83.8 a	0.0 a	0.0 a
	LSD (P=.05)										0.00	31.40	0.00	0.00
	Standard Deviation										0.00	13.96	0.00	0.00
	CV										0.0	16.07	0.0	0.0
	Grand Mean										100.0	86.88	0.0	0.0
	Bartlett's X2										0.0	2.038	0.0	0.0
	P(Bartlett's X2)										.	0.153	.	.
	Replicate F										0.000	0.230	0.000	0.000
	Replicate Prob(F)										1.0000	0.8707	1.0000	1.0000
	Treatment F										0.000	0.401	0.000	0.000
	Treatment Prob(F)										1.0000	0.5715	1.0000	1.0000

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume				
	Crop Code										SOD	SOD	SOD	SOD
	Rating Data Type										SPREAD	SPREAD	SPREAD	SPREAD
	Rating Unit										%	%	%	%
	Rating Date										8-27-02	9-24-02	10-14-02	6-11-03
	Trt-Eval Interval										32 DA-A	60 DA-A	80 DA-A	320 DA-A
1	Common Centipedegrass										0.0 a	0.0 a	0.0 a	0.0 a
2	'El Toro' Zoysiagrass										0.0 a	0.0 a	0.0 a	0.0 a
	LSD (P=.05)										0.00	0.00	0.00	0.00
	Standard Deviation										0.00	0.00	0.00	0.00
	CV										0.0	0.0	0.0	0.0
	Grand Mean										0.0	0.0	0.0	0.0
	Bartlett's X2										0.0	0.0	0.0	0.0
	P(Bartlett's X2)										.	.	.	.
	Replicate F										0.000	0.000	0.000	0.000
	Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
	Treatment F										0.000	0.000	0.000	0.000
	Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

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Crop Code	SOD
Rating Data Type	SPREAD
Rating Unit	%
Rating Date	8-25-03
Trt-Eval Interval	320 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume	
1	Common Centipedegrass										0.0 a
2	'El Toro' Zoysiagrass										0.0 a

LSD (P=.05)	0.00
Standard Deviation	0.00
CV	0.0
Grand Mean	0.0
Bartlett's X2	0.0
P(Bartlett's X2)	.
Replicate F	0.000
Replicate Prob(F)	1.0000
Treatment F	0.000
Treatment Prob(F)	1.0000

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Trial Comments

7-26-02 - Common centipedegrass and 'El Toro' zoysiagrass sod was harvested and picked up from Tri State Turf Farm in Newton Grove, NC.