

# University of Georgia

## Syngenta Seed Treatment 2004

Trial ID:  
Location: Gibbs Farm

Study Dir.: Gary Cloud  
Crop: OTHER  
Investigator: Craig Bednarz

Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI	
Part Rated	YIELD	YIELD	HEIGHT	NODES	NAFS	HEIGHT	
Rating Data Type	seedcotton	seedcotton	Plant Hgt	MS nodes	NAFS/WF	Plant Hgt	
Rating Unit	lbs/80'	lbs/acre	inches	number	number	inches	
Rating Date	21/Oct/2004	21/Oct/2004	29/Jun/2004	29/Jun/2004	29/Jun/2004	6/Jul/2004	
Crop Stage			42 DAP	42 DAP	42 DAP	49 DAP	
ARM Action Codes	L05	TY1	L05	L05	L05	L05	
# Subsamples, Dec.		1	10 1	10 1	10 1	10 1	
Entry No.	Entry Name	1	2	3	4	5	6
1	DYNASTY CST 1.04 FS SYSTHANE 40 WP CRUISER 5 FS	17.9 a	3248.9 a	19.2 a	10.3 a	4.7 a	28.8 a
2	DYNASTY CST 1.04 FS SYSTHANE 40 WP CRUISER 5 FS A14006	19.2 a	3487.8 a	19.0 a	10.4 a	4.9 a	28.0 a
3	DYNASTY CST 1.04 FS SYSTHANE 40 WP TEMIK 15 G	18.3 a	3315.4 a	18.6 a	10.2 a	4.7 a	27.8 a
4	RTU-BAYTAN-THIRAM ALLEGIANCE TEMIK 15 G	17.6 a	3198.9 a	18.8 a	10.3 a	4.7 a	27.9 a
LSD (P=.05)	1.40	254.67	1.37	0.49	0.39	1.31	
Standard Deviation	1.14	206.99	1.11	0.40	0.32	1.07	
CV	6.25	6.25	5.88	3.9	6.65	3.8	
Grand Mean	18.25	3312.75	18.91	10.29	4.77	28.11	
Bartlett's X2	1.808	1.808	1.44	1.282	3.393	3.215	
P(Bartlett's X2)	0.613	0.613	0.696	0.733	0.335	0.36	
Replicate F	0.462	0.462	3.180	1.370	5.414	1.657	
Replicate Prob(F)	0.7987	0.7987	0.0373	0.2900	0.0048	0.2057	
Treatment F	2.227	2.227	0.266	0.382	0.567	1.185	
Treatment Prob(F)	0.1272	0.1272	0.8485	0.7672	0.6453	0.3488	

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Column 2: TY1 = 181.5\*[1]

# University of Georgia

Crop Code	GOSHI NODES	GOSHI NAFS	GOSHI HEIGHT	GOSHI NODES	GOSHI NAFS	GOSHI NAWF		
Part Rated	MS nodes	NAFS/WF	Plant Hgt	MS nodes	NAFS/WF	NAWF		
Rating Data Type	number	number	inches	number	number	number		
Rating Unit	6/Jul/2004	6/Jul/2004	12/Jul/2004	12/Jul/2004	12/Jul/2004	19/Jul/2004		
Rating Date	49 DAP	49 DAP	55 DAP	55 DAP	55 DAP	62 DAP		
Crop Stage	L05	L05	L05	L05	L05	L05		
ARM Action Codes	10 1	10 1	10 1	10 1	10 1	10 1		
# Subsamples, Dec.	Entry No.	Entry Name	7	8	9	10	11	12
1 DYNASTY CST 1.04 FS SYSTHANE 40 WP CRUISER 5 FS	12.7 a	6.4 a	33.1 a	13.6 a	8.0 a	8.6 a		
2 DYNASTY CST 1.04 FS SYSTHANE 40 WP CRUISER 5 FS A14006	12.4 a	6.3 a	33.8 a	13.8 a	8.2 a	8.4 a		
3 DYNASTY CST 1.04 FS SYSTHANE 40 WP TEMIK 15 G	12.2 a	6.1 a	32.8 a	13.7 a	8.0 a	8.4 a		
4 RTU-BAYTAN-THIRAM ALLEGIANCE TEMIK 15 G	12.6 a	6.1 a	32.9 a	13.6 a	8.0 a	8.3 a		
LSD (P=.05)	0.62	0.44	1.20	0.31	0.43	0.21		
Standard Deviation	0.50	0.36	0.98	0.25	0.35	0.17		
CV	4.05	5.74	2.94	1.84	4.36	2.03		
Grand Mean	12.48	6.23	33.14	13.65	8.02	8.42		
Bartlett's X2	10.703	2.576	2.011	5.728	4.641	3.843		
P(Bartlett's X2)	0.013*	0.462	0.57	0.126	0.20	0.279		
Replicate F	2.537	7.630	4.120	2.037	3.388	1.760		
Replicate Prob(F)	0.0743	0.0010	0.0148	0.1313	0.0302	0.1817		
Treatment F	1.015	1.224	1.486	1.449	0.500	3.019		
Treatment Prob(F)	0.4137	0.3355	0.2585	0.2682	0.6878	0.0628		

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# University of Georgia

Crop Code	GOSHI NAWF	GOSHI NAWF	GOSHI NAWF	GOSHI HEIGHT	GOSHI NODES	GOSHI RATIO	
Part Rated	NAWF	NAWF	NAWF	HEIGHT	NODES	RATIO	
Rating Data Type	NAWF	NAWF	NAWF	Plant Hgt	MS nodes	HGT:NODE	
Rating Unit	number	number	number	inches	number	ratio	
Rating Date	27/Jul/2004	6/Aug/2004	17/Aug/2004	25/Oct/2004	25/Oct/2004	25/Oct/2004	
Crop Stage	70 DAP	78 DAP	89 DAP	FINAL	FINAL	FINAL	
ARM Action Codes	L05	L05	L05	L10	L10	L10	
# Subsamples, Dec.	10 1	10 1	10 1	10 1	10 1	10 2	
Entry No.	Entry Name	13	14	15	16	17	18
1	DYNASTY CST 1.04 FS SYSTHANE 40 WP CRUISER 5 FS	6.1 a	3.9 a	2.1 a	42.6 a	20.1 a	2.13 a
2	DYNASTY CST 1.04 FS SYSTHANE 40 WP CRUISER 5 FS A14006	6.1 a	3.7 a	2.1 a	43.7 a	20.4 a	2.15 a
3	DYNASTY CST 1.04 FS SYSTHANE 40 WP TEMIK 15 G	6.3 a	3.9 a	2.3 a	42.6 a	20.4 a	2.10 a
4	RTU-BAYTAN-THIRAM ALLEGIANCE TEMIK 15 G	6.1 a	3.9 a	2.3 a	42.8 a	20.1 a	2.14 a
LSD (P=.05)	0.28	0.26	0.26	1.44	0.54	0.069	
Standard Deviation	0.23	0.21	0.21	1.17	0.44	0.056	
CV	3.73	5.44	9.62	2.72	2.18	2.63	
Grand Mean	6.13	3.84	2.2	42.94	20.24	2.13	
Bartlett's X2	0.49	0.461	5.32	0.132	3.156	6.726	
P(Bartlett's X2)	0.921	0.927	0.15	0.988	0.368	0.081	
Replicate F	3.549	3.061	2.971	0.648	3.074	1.085	
Replicate Prob(F)	0.0257	0.0422	0.0465	0.6671	0.0417	0.4082	
Treatment F	0.883	1.031	2.258	1.324	0.877	0.938	
Treatment Prob(F)	0.4719	0.4072	0.1235	0.3034	0.4752	0.4468	

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Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Part Rated	LINT	LENGTH	UNIF	STREN	MIC
Rating Data Type					
Rating Unit	%	INCHES	%	G/TEX	
Rating Date					
Crop Stage	FINAL	FINAL	FINAL	FINAL	FINAL
ARM Action Codes	L10	L10	L10	L10	L10
# Subsamples, Dec.	1 2	1 2	1 2	1 2	1 2
Entry No.	19	20	21	22	23
Entry Name					
1 DYNASTY CST 1.04 FS SYSTHANE 40 WP CRUISER 5 FS	41.48 a	1.10 a	83.07 a	30.23 b	4.58 a
2 DYNASTY CST 1.04 FS SYSTHANE 40 WP CRUISER 5 FS A14006	42.34 a	1.10 a	83.35 a	29.73 b	4.78 a
3 DYNASTY CST 1.04 FS SYSTHANE 40 WP TEMIK 15 G	41.92 a	1.11 a	83.43 a	31.28 a	4.73 a
4 RTU-BAYTAN-THIRAM ALLEGIANCE TEMIK 15 G	42.26 a	1.09 a	83.03 a	29.67 b	4.68 a
LSD (P=.05)	1.481	0.021	0.649	0.814	0.246
Standard Deviation	1.204	0.017	0.528	0.662	0.200
CV	2.87	1.59	0.63	2.19	4.26
Grand Mean	42.0	1.1	83.22	30.23	4.7
Bartlett's X2	2.667	1.541	4.488	6.347	3.108
P(Bartlett's X2)	0.446	0.673	0.213	0.096	0.375
Replicate F	2.031	5.160	4.019	3.869	1.981
Replicate Prob(F)	0.1322	0.0060	0.0163	0.0188	0.1400
Treatment F	0.622	2.019	0.868	7.639	1.092
Treatment Prob(F)	0.6119	0.1546	0.4793	0.0025	0.3830

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