

# University of Georgia

## GACCC - Mepiquat

Trial ID: GACCC-MC

Study Dir.:

Location: Gibbs

Investigator: Craig Bednarz

Part Rated	NAWF				YIELD
Rating Data Type	Number	Number	Number	Number	Seedcotton
Rating Unit	65 DAP	72 DAP	80 DAP	87 DAP	lbs/80'
Rating Date	22/Jul/2004	29/Jul/2004	6/Aug/2004	13/Aug/2004	21/Oct/2004
ARM Action Codes	L10	L10	L10	L10	L10
# Subsamples, Dec.	10 1	10 1	10 1	10 1	1 1
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	
1	UNTREATED				
2	PENTIA	12 fl oz/a	43 DAP		
	PENTIA	16 fl oz/a	57 DAP		
	PENTIA	16 fl oz/a	64 DAP		
3	PENTIA	24 fl oz/a	83 DAP		
4	PENTIA	12 fl oz/a	43 DAP		
	PENTIA	16 fl oz/a	57 DAP		
	PENTIA	16 fl oz/a	64 DAP		
	PENTIA	24 fl oz/a	83 DAP		
LSD (P=.05)					
Standard Deviation					
CV					
Grand Mean					
Bartlett's X2					
P(Bartlett's X2)					
Replicate F					
Replicate Prob(F)					
Treatment F					
Treatment Prob(F)					

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.

# University of Georgia

Part Rated					YIELD	HGT	NODES	LINT	LEN	UNIF
Rating Data Type					Seedcotton	FINAL	FINAL	%	INCHES	%
Rating Unit					lbs/acre	inches	number			
Rating Date					21/Oct/2004	27/Oct/2004	27/Oct/2004			
ARM Action Codes					TY1	L10	L10	L10	L10	L10
# Subsamples, Dec.					1 1	10 1	10 1	1 4	1 2	1 2
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	6	7	8	9	10	11
1	UNTREATED				3197.4 b	76.2 a	23.3 a	0.4671 a	1.11 bc	82.92 a
2	PENTIA	12 fl oz/a	43 DAP		3977.9 a	53.8 b	20.8 b	0.4488 b	1.14 a	83.33 a
	PENTIA	16 fl oz/a	57 DAP							
	PENTIA	16 fl oz/a	64 DAP							
3	PENTIA	24 fl oz/a	83 DAP		3294.2 b	75.7 a	23.4 a	0.4691 a	1.10 c	82.73 a
4	PENTIA	12 fl oz/a	43 DAP		3853.9 a	49.8 b	20.6 b	0.4551 ab	1.12 b	82.82 a
	PENTIA	16 fl oz/a	57 DAP							
	PENTIA	16 fl oz/a	64 DAP							
	PENTIA	24 fl oz/a	83 DAP							
LSD (P=.05)					441.01	4.23	0.93	0.01357	0.016	0.894
Standard Deviation					358.44	3.43	0.76	0.01103	0.013	0.726
CV					10.01	5.38	3.45	2.4	1.19	0.88
Grand Mean					3580.84	63.87	22.0	0.46	1.12	82.95
Bartlett's X2					0.498	2.858	8.024	2.828	0.501	0.392
P(Bartlett's X2)					0.919	0.414	0.046*	0.419	0.919	0.942
Replicate F					0.703	0.378	1.013	0.191	4.975	0.154
Replicate Prob(F)					0.6302	0.8559	0.4442	0.9614	0.0070	0.9757
Treatment F					7.181	100.018	25.233	4.631	11.628	0.829
Treatment Prob(F)					0.0033	0.0001	0.0001	0.0175	0.0003	0.4984

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Column 6: TY1 = 181.5\*[5]

# University of Georgia

Part Rated					STREN	MIC
Rating Data Type						
Rating Unit					G/TEX	
Rating Date						
ARM Action Codes					L10	L10
# Subsamples, Dec.					1 2	1 2
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	12	13
1	UNTREATED				31.08 a	4.23 a
2	PENTIA	12 fl oz/a	43 DAP		31.68 a	3.85 a
	PENTIA	16 fl oz/a	57 DAP			
	PENTIA	16 fl oz/a	64 DAP			
3	PENTIA	24 fl oz/a	83 DAP		31.45 a	3.98 a
4	PENTIA	12 fl oz/a	43 DAP		32.07 a	4.00 a
	PENTIA	16 fl oz/a	57 DAP			
	PENTIA	16 fl oz/a	64 DAP			
	PENTIA	24 fl oz/a	83 DAP			
LSD (P=.05)					1.308	0.352
Standard Deviation					1.064	0.286
CV					3.37	7.12
Grand Mean					31.57	4.02
Bartlett's X2					1.752	7.716
P(Bartlett's X2)					0.626	0.052
Replicate F					0.774	1.193
Replicate Prob(F)					0.5830	0.3589
Treatment F					0.904	1.859
Treatment Prob(F)					0.4625	0.1799

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