

University of Georgia

DuPont Mepex Gin Out vs. Pentia

Trial ID: DuPont MC vs MP

Study Dir.:

Location: PONDER

Investigator: Craig Bednarz

Part Rated	NAWF Number	NAWF Number	NAWF Number	NAWF Number	YIELD				
Rating Data Type	62 DAP	70 DAP	78 DAP	87 DAP	Seedcotton				
Rating Unit					lbs/80'				
Rating Date	19/Jul/2004	27/Jul/2004	4/Aug/2004	13/Aug/2004	21/Oct/2004				
ARM Action Codes					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	2			
					3	4			
					5				
1	Mepex Gin Out	8 fl oz/a	43 DAP		8.4 b	6.8 b	4.6 b	3.0 b	21.8 a
	Mepex Gin Out	16 fl oz/a	57 DAP						
	Mepex Gin Out	16 fl oz/a	64 DAP						
2	Pentia	8 fl oz/a	43 DAP		8.7 b	6.8 b	4.8 b	2.5 b	21.8 a
	Pentia	16 fl oz/a	57 DAP						
	Pentia	16 fl oz/a	64 DAP						
3	Mepex Gin Out	8 fl oz/a	43 DAP		8.5 b	6.7 b	4.7 b	2.6 b	21.1 a
	Mepex Gin Out	16 fl oz/a	57 DAP						
	Mepex Gin Out	16 fl oz/a	64 DAP						
	Mepex Gin Out	24 fl oz/a	83 DAP						
4	Untreated				9.2 a	8.3 a	7.0 a	4.2 a	19.9 a
	LSD (P=.05)				0.38	0.46	0.66	0.54	4.31
	Standard Deviation				0.24	0.29	0.41	0.34	2.70
	CV				2.75	4.01	7.83	11.0	12.74
	Grand Mean				8.66	7.15	5.27	3.08	21.15
	Bartlett's X2				2.851	3.029	0.782	0.838	2.679
	P(Bartlett's X2)				0.415	0.387	0.854	0.84	0.444
	Replicate F				4.624	16.317	17.467	24.772	0.431
	Replicate Prob(F)				0.0320	0.0006	0.0004	0.0001	0.7359
	Treatment F				9.530	30.142	31.422	20.374	0.425
	Treatment Prob(F)				0.0037	0.0001	0.0001	0.0002	0.7398

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	LENGTH	UNIF
Rating Data Type					Seedcotton	FINAL	FINAL			
Rating Unit					lbs/acre	inches	number	%	INCHES	%
Rating Date					21/Oct/2004	27/Oct/2004	27/Oct/2004			
ARM Action Codes					L10	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	Mepex Gin Out	8 fl oz/a	43 DAP		3956.7 a	52.2 a	20.8 b	0.4561 a	1.13 a	82.58 a
	Mepex Gin Out	16 fl oz/a	57 DAP							
	Mepex Gin Out	16 fl oz/a	64 DAP							
2	Pentia	8 fl oz/a	43 DAP		3952.2 a	50.5 a	20.7 b	0.4526 a	1.13 a	82.93 a
	Pentia	16 fl oz/a	57 DAP							
	Pentia	16 fl oz/a	64 DAP							
3	Mepex Gin Out	8 fl oz/a	43 DAP		3829.7 a	45.7 a	20.4 b	0.4544 a	1.13 a	82.73 a
	Mepex Gin Out	16 fl oz/a	57 DAP							
	Mepex Gin Out	16 fl oz/a	64 DAP							
	Mepex Gin Out	24 fl oz/a	83 DAP							
4	Untreated				3616.4 a	66.4 a	22.6 a	0.4610 a	1.12 a	83.23 a
	LSD (P=.05)				782.45	16.53	1.23	0.01773	0.035	0.848
	Standard Deviation				489.19	10.33	0.77	0.01109	0.022	0.530
	CV				12.74	19.25	3.64	2.43	1.96	0.64
	Grand Mean				3838.73	53.68	21.13	0.46	1.13	82.86
	Bartlett's X2				2.679	5.148	9.88	1.086	7.444	3.209
	P(Bartlett's X2)				0.444	0.161	0.02*	0.78	0.059	0.361
	Replicate F				0.431	0.197	1.974	0.272	1.171	0.204
	Replicate Prob(F)				0.7358	0.8958	0.1885	0.8439	0.3737	0.8911
	Treatment F				0.425	2.980	7.087	0.427	0.290	1.099
	Treatment Prob(F)				0.7397	0.0889	0.0096	0.7383	0.8318	0.3988

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					STREN	MIC
Rating Data Type					G/TEX	
Rating Unit						
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	Mepex Gin Out	8 fl oz/a	43 DAP		31.10 a	3.88 a
	Mepex Gin Out	16 fl oz/a	57 DAP			
	Mepex Gin Out	16 fl oz/a	64 DAP			
2	Pentia	8 fl oz/a	43 DAP		32.50 a	4.08 a
	Pentia	16 fl oz/a	57 DAP			
	Pentia	16 fl oz/a	64 DAP			
3	Mepex Gin Out	8 fl oz/a	43 DAP		31.15 a	4.00 a
	Mepex Gin Out	16 fl oz/a	57 DAP			
	Mepex Gin Out	16 fl oz/a	64 DAP			
	Mepex Gin Out	24 fl oz/a	83 DAP			
4	Untreated				31.58 a	4.10 a
LSD (P=.05)					2.598	0.417
Standard Deviation					1.625	0.261
CV					5.14	6.5
Grand Mean					31.58	4.01
Bartlett's X2					2.179	0.979
P(Bartlett's X2)					0.536	0.806
Replicate F					0.200	3.147
Replicate Prob(F)					0.8938	0.0793
Treatment F					0.637	0.600
Treatment Prob(F)					0.6098	0.6310

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.