

MSU Soil Fertility Research Program

SOYBEAN AS AFFECTED BY PLANTING DATE AND NITROGEN

Trial ID: SOYEL01-14 Location: CAMPUS Trial Year: 2014

Investigator: Kurt Steinke

Project ID: PLANTDATEZM

Crop Code								GLXMA							
Crop Name								Soybean							
Crop Variety								Pioneer92Y51							
Description								Yield							
Rating Date								Oct-27-2014							
Rating Type								YIELD							
Rating Unit								BU							
Crop Stage Scale								HARVEST							
ARM Action Codes								TY3							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate	Growth Unit	Stage						
										37					
TABLE OF R MEANS															
Replicate 1											55.9				
Replicate 2											57.1				
Replicate 3											58.8				
Replicate 4											59.1				
TABLE OF A (Planting Date) MEANS															
1 PLANT 1											EM	59.0 a			
2 PLANT 2											MM	58.3 a			
3 PLANT 3											LM	55.8 a			
TABLE OF B (Nitrogen) MEANS															
1 Urea 46-0-0											46 GR	0 lb ai/a	0 lb/a	2X2PL	57.2 a
2 Urea 46-0-0											46 GR	20 lb ai/a	43.5 lb/a	2X2PL	58.4 a
3 Urea 46-0-0											46 GR	40 lb ai/a	87 lb/a	2X2PL	57.2 a
4 Urea 46-0-0											46 GR	60 lb ai/a	130 lb/a	2X2PL	58.1 a
TABLE OF A (Planting Date) B (Nitrogen) MEANS															
1 PILANT 1											EM	59.0 a			
1 Urea 46-0-0											46 GR	0 lb ai/a	0 lb/a	2X2PL	
2 PLANT 2											MM	58.5 a			
1 Urea 46-0-0											46 GR	0 lb ai/a	0 lb/a	2X2PL	
3 PLANT 3											LM	54.1 a			
1 Urea 46-0-0											46 GR	0 lb ai/a	0 lb/a	2X2PL	
1 PILANT 1											EM	60.2 a			
2 Urea 46-0-0											46 GR	20 lb ai/a	43.5 lb/a	2X2PL	
2 PLANT 2											MM	58.1 a			
2 Urea 46-0-0											46 GR	20 lb ai/a	43.5 lb/a	2X2PL	
3 PLANT 3											LM	56.8 a			
2 Urea 46-0-0											46 GR	20 lb ai/a	43.5 lb/a	2X2PL	
1 PILANT 1											EM	56.2 a			
3 Urea 46-0-0											46 GR	40 lb ai/a	87 lb/a	2X2PL	
2 PLANT 2											MM	60.3 a			
3 Urea 46-0-0											46 GR	40 lb ai/a	87 lb/a	2X2PL	
3 PLANT 3											LM	55.1 a			
3 Urea 46-0-0											46 GR	40 lb ai/a	87 lb/a	2X2PL	
1 PILANT 1											EM	60.6 a			
4 Urea 46-0-0											46 GR	60 lb ai/a	130 lb/a	2X2PL	
2 PLANT 2											MM	56.4 a			
4 Urea 46-0-0											46 GR	60 lb ai/a	130 lb/a	2X2PL	
3 PLANT 3											LM	57.2 a			
4 Urea 46-0-0											46 GR	60 lb ai/a	130 lb/a	2X2PL	

Means followed by same letter do not significantly differ (P=.05, LSD)

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COMPLETE SPLIT-PLOT AOV For GLXMA Soybean Pioneer92Y51 Yield Oct-27-2014 YIELD BU HARVEST TY3 (Data Column 37)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.05)
Total	47	1107.240842				
R	3	80.200144	26.733381	1.125	0.3566	4.1
A	2	89.626719	44.813360	1.409	0.3151	4.9
ERROR A	6	190.871697	31.811949	1.338	0.2748	7.1
B	3	12.890336	4.296779	0.181	0.9085	4.1
AB	6	91.840023	15.306671	0.644	0.6944	7.1
ERROR B	27	641.811923	23.770812			

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY3 = 3.63*[C34]*(100-@MVAVGREP([C35]))/87