

MSU Soil Fertility Research Program

EFFECT OF PLANTING DATE (APRIL30, MAY 14, OR MAY 28) AND 2X2 N APPLICATIONS ON SOYBEAN PRODUCTION.

Trial ID: SOYEL04-15 Location: Campus Trial Year: 15
 Investigator: Kurt Steinke
 Project ID: PLANTDATEZM

Crop Code							GLXMA
Crop Name							Soybean
Crop Variety							P24T05R
Description							Harvest Sample
Rating Date							Oct-12-2015
Rating Type							YIELD
Rating Unit							BU/A
Crop Stage Scale							HARVEST
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage
							7
TABLE OF R MEANS							
Replicate 1							70
Replicate 2							64
Replicate 3							57
Replicate 4							58
TABLE OF A (Planting Date) MEANS							
1 PLANT 1						EM	63 a
2 PLANT 2						MM	64 a
3 PLANT 3						LM	59 a
LSD P=.05							9.9
Standard Deviation							9.9
CV							16.0
TABLE OF B (Nitrogen) MEANS							
1 Urea 46-0-0		46 GR	0 lb ai/a	0 lb/a	2X2PL		62 a
2 Urea 46-0-0		46 GR	20 lb ai/a	43.5 lb/a	2X2PL		63 a
3 Urea 46-0-0		46 GR	60 lb ai/a	130 lb/a	2X2PL		61 a
LSD P=.05							3.4
Standard Deviation							4.0
CV							6.4
TABLE OF A (Planting Date) B (Nitrogen) MEANS							
1 PLANT 1						EM	63 a
1 Urea 46-0-0		46 GR	0 lb ai/a	0 lb/a	2X2PL		
2 PLANT 2						MM	65 a
1 Urea 46-0-0		46 GR	0 lb ai/a	0 lb/a	2X2PL		
3 PLANT 3						LM	58 a
1 Urea 46-0-0		46 GR	0 lb ai/a	0 lb/a	2X2PL		
1 PLANT 1						EM	65 a
2 Urea 46-0-0		46 GR	20 lb ai/a	43.5 lb/a	2X2PL		
2 PLANT 2						MM	64 a
2 Urea 46-0-0		46 GR	20 lb ai/a	43.5 lb/a	2X2PL		
3 PLANT 3						LM	59 a
2 Urea 46-0-0		46 GR	20 lb ai/a	43.5 lb/a	2X2PL		
1 PLANT 1						EM	60 a
3 Urea 46-0-0		46 GR	60 lb ai/a	130 lb/a	2X2PL		
2 PLANT 2						MM	63 a
3 Urea 46-0-0		46 GR	60 lb ai/a	130 lb/a	2X2PL		

Means followed by same letter or symbol 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	Other Rate	Other Rate	Growth Unit Stage	7
3	PLANT 3						LM	60 a
3	Urea 46-0-0	46	GR	60 lb ai/a	130 lb/a		2X2PL	
LSD P=.05								5.9
Standard Deviation								4.0
CV								6.4

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COMPLETE SPLIT-PLOT AOV For GLXMA Soybean P24T05R Harvest Sample Oct-12-2015 YIELD BU/A HARVEST (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.05)
Total	35	2003.757813				
R	3	918.881934	306.293978	19.488	0.0001	
A	2	149.011777	74.505888	0.759	0.5084	10
ERROR A	6	589.062715	98.177119			
B	2	14.867521	7.433761	0.473	0.6307	3
AB	4	49.022129	12.255532	0.780	0.5528	6
ERROR B	18	282.911737	15.717319			

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Type

YIELD = yield

ARM Action Codes

TY1 = 3.63*[C4]*(100-[C5])/87