

MSU Soil Fertility Research Program

EFFECT OF PLANTING DATE (APRIL 30, MAY 14, OR MAY 28) AND MATURITY GROUP (1.8, 2.9) ON SOYBEAN YIELD.

Trial ID: SOYEL03-15 Location: Campus Trial Year: 15
 Investigator: Kurt Steinke
 Project ID: SOYMATDATE

Crop Code			GLXMA
Crop Name			Soybean
Description			Harvest Sample
Rating Type			YIELD
Rating Unit			BU/A
Crop Stage Scale			HARVEST
Trt No.	Treatment Name	Form Type	21
TABLE OF R MEANS			
Replicate 1			59
Replicate 2			46
Replicate 3			59
Replicate 4			57
TABLE OF A (Planting Date) MEANS			
1 Early Planting			57 a
2 Mid Planting			56 a
3 Last Planting			53 a
LSD P=.05			10.2
Standard Deviation			8.3
CV			15.0
TABLE OF B (Soybean Maturity) MEANS			
1 Short Season			51 b
2 Long Season			60 a
LSD P=.05			5.7
Standard Deviation			6.2
CV			11.2
TABLE OF A (Planting Date) B (Soybean Maturity) MEANS			
1 Early Planting 1 Short Season			54 a
2 Mid Planting 1 Short Season			51 a
3 Last Planting 1 Short Season			49 a
1 Early Planting 2 Long Season			61 a
2 Mid Planting 2 Long Season			61 a
3 Last Planting 2 Long Season			57 a
LSD P=.05			9.9
Standard Deviation			6.2
CV			11.2

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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COMPLETE SPLIT-PLOT AOV For GLXMA Soybean Harvest Sample YIELD BU/A HARVEST (Data Column 21)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.05)
Total	23	1971.884272				
R	3	682.497695	227.499232	5.891	0.0166	
A	2	99.659986	49.829993	0.721	0.5241	10
ERROR A	6	414.697343	69.116224			
B	1	414.255653	414.255653	10.727	0.0096	6
AB	2	13.218744	6.609372	0.171	0.8454	10
ERROR B	9	347.554852	38.617206			

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Type

YIELD = yield

ARM Action Codes

TY1 = 3.63*[C18]*(100-[C19])/87