

MSU Soil Fertility Research Program

YIELD AS AFFECTED BY PHOSPHORUS AND POTASSIUM IN SOYBEAN, 2012

Trial ID: SOYEL01-12
 Protocol ID: SOYEL01-12
 Project ID: MOSAIC13

Location: CAMPUS Trial Year:
 Investigator: Kurt Steinke
 Study Director:
 Sponsor Contact:

Crop Code	GLXMA					
Crop Name	Soybean					
Crop Variety	AG 2330					
Description						
Rating Date	Oct-3-2012					
Rating Type	yield					
Rating Unit	bu/ac					
Crop Stage Scale	harvest					
ARM Action Codes	TY1					
Number of Decimals	1					
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code
						8
1	CHECK					A
2	MOP	60 lb ai/a	100 lb/a		PPI	A
3	K-MAG	60 lb ai/a	273 lb/a		PPI	A
4	MESZ	40 lb ai/a	100 lb/a		PPI	A
5	MAP	40 lb ai/a	77 lb/a		PPI	A
6	MESB	40 lb ai/a	87 lb/a		PPI	A
7	ACT102L	40 lb ai/a	105 lb/a		PPI	A
8	MESZ	40 lb ai/a	100 lb/a		PPI	A
	MOP	60 lb ai/a	100 lb/a		PPI	A
9	MAP	40 lb ai/a	77 lb/a		PPI	A
	MOP	60 lb ai/a	100 lb/a		PPI	A
10	MESB	40 lb ai/a	87 lb/a		PPI	A
	MOP	60 lb ai/a	100 lb/a		PPI	A
11	ACT102L	40 lb ai/a	105 lb/a		PPI	A
	MOP	60 lb ai/a	100 lb/a		PPI	A
12	MESZ	40 lb ai/a	100 lb/a		PPI	A
	K-MAG	60 lb ai/a	273 lb/a		PPI	A
13	MAP	40 lb ai/a	77 lb/a		PPI	A
	K-MAG	60 lb ai/a	273 lb/a		PPI	A
LSD (P=.05)	6.55					
Standard Deviation	4.58					
CV	11.67					
Bartlett's X2	9.789					
P(Bartlett's X2)	0.634					
Skewness	0.2056					
Kurtosis	0.2569					

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Unit

bu/ac = bushels per acre

ARM Action Codes

TY1 = $3.63 \times [C5] \times (100 - [C6]) / 87$

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.