

MSU Soil Fertility Research Program

SOYBEAN RESPONSE TO MICRONUTRIENTS UNDER HIGH YIELD MANAGEMENT

Trial ID: SOYEL01-15 Location: Campus Trial Year: 15
 Investigator: Kurt Steinke
 Project ID: MOSOYHM

Crop Code	GLXMA							
Crop Name	Soybean							
Crop Variety	AG2433							
Description	bu/ac							
Rating Date	Oct-12-2015							
Rating Type	YIELD							
Rating Unit	BU							
Crop Stage Scale	HARVEST							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1	CHECK							76 a
2	MAP 11-52-0	52	GR	50 lb ai/a	96 lb/a		PPI	72 b
3	MOP Mosaic	60	GR	120 lb ai/a	200 lb/a		PPI	65 c
4	MAP 11-52-0 MOP Mosaic	52	GR	50 lb ai/a	96 lb/a		PPI	75 ab
		60	GR	120 lb ai/a	200 lb/a		PPI	
5	MAP 11-52-0 Aspire	52	GR	50 lb ai/a	96 lb/a		PPI	74 ab
		58	GR	120 lb ai/a	207 lb/a		PPI	
6	MES10 Aspire	40	GR	50 lb ai/a	125 lb/a		PPI	75 ab
		58	GR	120 lb ai/a	207 lb/a		PPI	
7	MESZ Aspire	40	GR	50 lb ai/a	125 lb/a		PPI	74 ab
		58	GR	120 lb ai/a	207 lb/a		PPI	
8	MES10 MOP Mosaic Aspire	40	GR	50 lb ai/a	125 lb/a		PPI	75 ab
		60	GR	60 lb ai/a	100 lb/a		PPI	
		58	GR	60 lb ai/a	103 lb/a		PPI	
9	MESZ MOP Mosaic Aspire	40	GR	50 lb ai/a	125 lb/a		PPI	72 b
		60	GR	60 lb ai/a	100 lb/a		PPI	
		58	GR	60 lb ai/a	103 lb/a		PPI	
LSD P=.05								3.8
Standard Deviation								2.2
CV								3.01
Replicate F								0.310
Replicate Prob(F)								0.7374
Treatment F								7.225
Treatment Prob(F)								0.0004

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action CodesTY1 = $3.63 * [C3] * (100 - @MVAVGREP([C4])) / 87$

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.
 Excluded replicate 1 in column 6