

MSU Soil Fertility Research Program

SOYBEAN RESPONSE TO MICRONUTRIENTS UNDER HIGH YIELD MANAGEMENT

Trial ID: SOYEL05-16 Location: CAMPUS Trial Year: 2016
 Investigator: Kurt Steinke
 Project ID: MOSOY16HM

Crop Code							GLXMA
Crop Name							Soybean
Crop Variety							AG2433
Description							bu/ac@13%
Rating Date							Oct-25-2016
Rating Type							YIELD
Rating Unit							BU
Crop Stage Scale							HARVEST
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage
							5
1	CHECK						67 ab
2	MAP 11-52-0	52	GR	50 lb ai/a	96 lb/a	PPI	66 ab
3	MOP 0-0-62	62	GR	120 lb ai/a	194 lb/a	PPI	66 ab
4	MAP 11-52-0 MOP 0-0-62	52 62	GR GR	50 lb ai/a 120 lb ai/a	96 lb/a 194 lb/a	PPI PPI	58 c
5	MAP 11-52-0 Aspire	52 58	GR GR	50 lb ai/a 120 lb ai/a	96 lb/a 207 lb/a	PPI PPI	63 bc
6	MES10 Aspire	40 58	GR GR	50 lb ai/a 120 lb ai/a	125 lb/a 207 lb/a	PPI PPI	69 a
7	MESZ Aspire	40 58	GR GR	50 lb ai/a 120 lb ai/a	125 lb/a 207 lb/a	PPI PPI	66 ab
8	MES10 MOP 0-0-62 Aspire	40 62 58	GR GR GR	50 lb ai/a 60 lb ai/a 60 lb ai/a	125 lb/a 97 lb/a 103 lb/a	PPI PPI PPI	67 ab
9	MESZ MOP 0-0-62 Aspire	40 62 58	GR GR GR	50 lb ai/a 60 lb ai/a 60 lb ai/a	125 lb/a 97 lb/a 103 lb/a	PPI PPI PPI	66 ab
10	MAP 11-52-0 Aspire	52 58	GR GR	50 lb ai/a 90 lb ai/a	96 lb/a 155 lb/a	PPI PPI	69 a
LSD P=.05							6.1
Standard Deviation							3.6
CV							5.43
Replicate F							4.506
Replicate Prob(F)							0.0259
Treatment F							2.538
Treatment Prob(F)							0.0443

Crop Code
 GLXMA, BSOY, Glycine max, = US
 Rating Type
 YIELD = yield
 Rating Unit
 BU = bushel
 ARM Action Codes
 $TY1 = 3.63 * [C2] * (100 - [C3]) / 87$

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 4 in column 5