

MSU Soil Fertility Research Program

YIELD AS AFFECTED BY PHOSPHORUS AND POTASSIUM IN SOYBEAN.

Trial ID: SOYEL04-14 Location: CAMPUS, F-range Trial Year: 2014  
 Investigator: Kurt Steinke  
 Project ID: MOFERT

Crop Code							GLXMA
Crop Name							Soybean
Crop Variety							AG2433
Description							Yield
Rating Date							Oct-27-2014
Rating Type							YIELD
Rating Unit							BU
ARM Action Codes							ET3 TY1
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage
							4
1	CHECK						66.1 a
2	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a	PPI	63.8 a
3	MAP 11-52-0	52 GR		40 lb ai/a	77 lb/a	PPI	65.9
4	MES10	40 GR		40 lb ai/a	100 lb/a	PPI	65.5 a
5	MESZ	40 GR		40 lb ai/a	100 lb/a	PPI	64.8 a
6	MAP 11-52-0 MOP Mosaic	52 GR 60 GR		40 lb ai/a 60 lb ai/a	77 lb/a 100 lb/a	PPI PPI	64.2 a
7	MESZ MOP Mosaic	40 GR 60 GR		40 lb ai/a 60 lb ai/a	100 lb/a 100 lb/a	PPI PPI	64.1 a
8	MES10 MOP Mosaic	40 GR 60 GR		40 lb ai/a 60 lb ai/a	100 lb/a 100 lb/a	PPI PPI	60.2 a
9	MAP 11-52-0 Aspire	52 GR 58 GR		40 lb ai/a 60 lb ai/a	77 lb/a 103 lb/a	PPI PPI	64.0 a
10	MESZ Aspire	40 GR 58 GR		40 lb ai/a 60 lb ai/a	100 lb/a 103 lb/a	PPI PPI	58.6 a
11	MES10 Aspire	40 GR 58 GR		40 lb ai/a 60 lb ai/a	100 lb/a 103 lb/a	PPI PPI	60.9 a
12	Aspire	58 GR		60 lb ai/a	103 lb/a	PPI	60.2 a
LSD (P=.05)							5.76
Standard Deviation							3.99
CV							6.34
Bartlett's X2							6.657
P(Bartlett's X2)							0.757
Skewness							-0.6158
Kurtosis							-0.1711
Replicate F							2.479
Replicate Prob(F)							0.0802
Treatment F							1.591
Treatment Prob(F)							0.1574

Crop Code  
 GLXMA, BSOY, Glycine max, = US  
 Rating Type  
 YIELD = yield  
 Rating Unit  
 BU = bushel  
 ARM Action Codes  
 ET3 = Excluded treatment 3  
 TY1 = 3.63\*[1]\*(100-[2])/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.