MSU Soil Fertility Research Program

YIELD AS AFFECTED BY PHOSPHORUS AND POTASSIUM IN SOYBEAN.

Trial ID: SOYEL02-13 Location: Campus Trial Year: 2013
Investigator: Kurt Steinke
Project ID: MOSOY

Crop Code	GLXMA
Crop Name	Soybean
Crop Variety	
Description	Yield
Rating Date	Oct-4-2013
Rating Type	YIELD
Rating Unit	Bu/ac
Crop Stage Scale	Harvest
ARM Action Codes	TY1
Number of Decimals	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	5
1	CHECK								A	59.4 a
2	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	58.1 a
3	MAP 11-52-0	52	GR	40	lb ai/a	77	lb/a	PPI	A	58.6 a
4	MAP 11-52-0	52	GR	40	lb ai/a	77	lb/a	PPI	A	57.8 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
5	MESZ	40	GR	40	lb ai/a	100	lb/a	PPI	A	56.1 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
6	ACT267	40	GR	40	lb ai/a	100	lb/a	PPI	A	62.4 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
7	MES10	40	GR	40	lb ai/a	100	lb/a	PPI	A	64.2 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
8	MAP 11-52-0	52	GR	40	lb ai/a	77	lb/a	PPI	A	58.9 a
	EM-1	59	GR	60	lb ai/a	102	lb/a	PPI	A	
9	MESZ	40	GR	40	lb ai/a	100	lb/a	PPI	A	59.8 a
	EM-1	59	GR	60	lb ai/a	102	lb/a	PPI	A	
10	MES10	40	GR	40	lb ai/a	100	lb/a	PPI	A	58.9 a
	EM-1	59	GR	60	lb ai/a	102	lb/a	PPI	A	
11	FL10001	40	GR	40	lb ai/a	100	lb/a	PPI	A	60.6 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	

LSD (P=.05)	7.31
Standard Deviation	5.06
CV	8.5
Bartlett's X2	3.684
P(Bartlett's X2)	0.96
Skewness	-0.5229
Kurtosis	-0.4256
Replicate F	4.734
Replicate Prob(F)	0.0081
Treatment F	0.782
Treatment Prob(F)	0.6457

Crop Code
GLXMA, BSOY, Glycine max, = US
Rating Type
YIELD = yield
Rating Unit
Bu/ac = bushels per acre
ARM Action Codes
TY1 = 3.63*[C4]*(100-[C2])/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.