

MSU Soil Fertility Research Program

POTASSIUM RATE, SOURCE AND PLACEMENT IN SOYBEAN

Trial ID: SOYEL03-13 Location: CAMPUS Trial Year: 2013

Investigator: Kurt Steinke

Project ID: POTASSIUM

Crop Code						GLXMA
Crop Name						Soybean
Crop Variety						Asgrow 2232
Description						Harvest Sample
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	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
						18
1	CHECK					A 67.1 a
2	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	67.0 a
3	K2O 0-0-62	100 lb ai/a	161 lb/a		PPI A	66.9 a
6	K-Mag (22S)	50 lb ai/a	227 lb/a		PPI A	67.3 a
7	K-Mag (22S)	100 lb ai/a	455 lb/a		PPI A	67.0 a
8	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	67.2 a
	K2O 0-0-62	50 lb ai/a	81 lb/a		2X2 B	
9	K2O 0-0-62	50 lb ai/a	81 lb/a		2X2 B	67.5 a
10	SURE-K	4 gal/a	4 gal/a		2X2 B	66.2 a
11	SURE-K	2 gal/a	2 gal/a		2X2 B	67.0 a
12	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	66.1 a
	SURE-K	4 gal/a	4 gal/a		2X2 B	
13	SURE-K	3 gal/a	3 gal/a		V3-4 C	67.1 a
14	SURE-K	3 gal/a	3 gal/a		R3 D	66.9 a
15	SURE-K	3 gal/a	3 gal/a		V3-4 C	67.7 a
	SURE-K	3 gal/a	3 gal/a		R3 D	
LSD (P=.05)						1.66
Standard Deviation						1.16
CV						1.73
Replicate F						3.153
Replicate Prob(F)						0.0365
Treatment F						0.610
Treatment Prob(F)						0.8194

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Type

YIELD = yield

Rating Unit

bu/ac = bushels per acre

ARM Action Codes

TY1 = 1.21*[C14]*(100-[C13])/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.