

MSU Soil Fertility Research Program

RESPONSE OF SOYBEAN TO PHOSPHORUS

Trial ID: SOYEL02-18 Location: Campus Trial Year: 2018
Investigator: Kurt Steinke

Project ID: MOPHOSSOY

Crop Code						GLXMA		
Crop Name						Soybean		
Crop Variety						AG2535		
Description						bu/ac13.5%		
Rating Date						Oct-22-2018		
Rating Type						YIELD		
Rating Unit						BU		
Crop Stage Scale						R8		
ARM Action Codes						TY1		
Number of Decimals						0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5
1	Check							61 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	
2	MAP 11-52-0	52	GR	40 lb ai/a	77 lb/a		PPI	64 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	
3	MAP 11-52-0	52	GR	40 lb ai/a	77 lb/a		PPI	66 a
	AS (21-0-0-24S)	24	GR	10 lb ai/a	41.7 lb/a		PPI	
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	
4	DAP 18-46-0	46	GR	40 lb ai/a	87 lb/a		PPI	62 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	
5	DAP 18-46-0	46	GR	40 lb ai/a	87 lb/a		PPI	67 a
	AS (21-0-0-24S)	24	GR	10 lb ai/a	41.7 lb/a		PPI	
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	
6	MES10	40	GR	40 lb ai/a	100 lb/a		PPI	70 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	
7	MESZ	40	GR	40 lb ai/a	100 lb/a		PPI	63 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	
LSD P=.05								5.6
Standard Deviation								3.8
CV								5.79
Replicate F								12.761
Replicate Prob(F)								0.0001
Treatment F								2.570
Treatment Prob(F)								0.0587

Crop Code

GLXMA, BSOY, Glycine max, Soybean = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY1 = 3.63*[C2]*(100-@MVAVGREP([C3]))/84.5

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.
Missing data estimates are included in columns: Yates=5