

MSU Soil Fertility Research Program
 RESPONSE OF SOYBEAN TO PHOSPHORUS INPUTS
 Trial ID: SOYEL02-19 Location: CAMPUS Trial Year: 2019
 Investigator: Kurt Steinke
 Project ID: MOPHOSOY

Crop Code						GLXMA		
Crop Name						Soybean		
Crop Variety						S170115		
Description								
Rating Date						Oct-18-2019		
Rating Type						YIELD		
Rating Unit						BU		
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	
								5
1	Check							35.7 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	25.6 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	30.6 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	27.3 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	28.1 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	31.5 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	30.6 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	
8	EXPPCZ	52	GR	40 lb ai/a	77 lb/a		PPI	26.3 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	
LSD P=.05								6.69
Standard Deviation								4.55
CV								15.43
Replicate F								2.159
Replicate Prob(F)								0.1231
Treatment F								2.152
Treatment Prob(F)								0.0824

Crop Code
 GLXMA, BSOY, Glycine max, Soybean = US
 Rating Type
 YIELD = yield
 Rating Unit
 BU = bushel
 ARM Action Codes
 $TY1 = 3.63 * [2] * (100 - [3]) / 86.5$

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.