

MSU Soil Fertility Research Program

RESPONSE OF SOYBEAN TO ZINC IN SOYBEAN

Trial ID: SOYEL01-16 Location: Campus Trial Year: 2016  
 Investigator: Kurt Steinke  
 Project ID: MOSOYZN

Crop Code	GLXMA							
Crop Name	Soybean							
Crop Variety	AG2433							
Description	bu/ac@13%							
Rating Date	Oct-24-2016							
Rating Type	YIELD							
Rating Unit	BU							
Crop Stage Scale	HARVEST							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	
1	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		PPI	62 bc
2	MOP 0-0-62 MAP 11-52-0	62 52	GR GR	60 lb ai/a 40 lb ai/a	97 lb/a 77 lb/a		PPI PPI	67 a
3	MOP 0-0-62 MAP 11-52-0 AS (21-0-0-24S)	62 52 24	GR GR GR	60 lb ai/a 40 lb ai/a 10 lb ai/a	97 lb/a 77 lb/a 41.7 lb/a		PPI PPI PPI	66 ab
4	MOP 0-0-62 MAP 11-52-0 AS (21-0-0-24S) ZnSO4	62 52 24 36	GR GR GR GR	60 lb ai/a 40 lb ai/a 10 lb ai/a 1 lb ai/a	60 lb ai/a 77 lb/a 41.7 lb/a 2.78 lb/a		PPI PPI PPI PPI	65 abc
5	MOP 0-0-62 MES10	62 40	GR GR	60 lb ai/a 40 lb ai/a	97 lb/a 100 lb/a		PPI PPI	66 ab
6	MOP 0-0-62 MESZ	62 40	GR GR	60 lb ai/a 40 lb ai/a	97 lb/a 100 lb/a		PPI PPI	68 a
7	Aspire MAP 11-52-0	58 52	GR GR	60 lb ai/a 40 lb ai/a	103 lb/a 77 lb/a		PPI PPI	64 abc
8	Aspire MESZ	58 40	GR GR	60 lb ai/a 40 lb ai/a	103 lb/a 100 lb/a		PPI PPI	68 a
9	Aspire MES10	58 40	GR GR	60 lb ai/a 40 lb ai/a	103 lb/a 100 lb/a		PPI PPI	65 abc
10	Check							61 c
LSD P=.05								4.7
Standard Deviation								2.7
CV								4.19
Replicate F								1.074
Replicate Prob(F)								0.3627
Treatment F								2.556
Treatment Prob(F)								0.0431

Crop Code  
 GLXMA, BSOY, Glycine max, = US  
 Rating Type  
 YIELD = yield  
 Rating Unit  
 BU = bushel  
 ARM Action Codes  
 $TY1 = 3.63*[C2]*(100-[C3])/87$

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.  
 Excluded replicate 4 in column 5