

MSU Soil Fertility Research Program

RESPONSE OF SOYBEAN TO MES AND DAP

Trial ID: SOYEL03-17 Location: Campus Trial Year: 2017
 Protocol ID: Investigator: Kurt Steinke
 Project ID: MODAP

Crop Code						GLXMA	GLXMA
Crop Name						Soybean	Soybean
Crop Variety						AG2433	AG2433
Description						1 meter of row	bu/ac@13.5%
Rating Date						Oct-3-2017	Oct-2-2017
Rating Type						Stand Count	YIELD
Rating Unit						NUMBER	BU
ARM Action Codes							TY1
Number of Decimals						0	0
Trt No.	Treatment Name	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1	K20 0-0-62	GR	60 lb ai/a	97 lb/a	PPI	21 c	45 a
2	K20 0-0-62 MAP 11-52-0	GR GR	60 lb ai/a 40 lb ai/a	97 lb/a 77 lb/a	PPI PPI	27 a	53 a
3	K20 0-0-62 MAP 11-52-0 AS (21-0-0-24S)	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	26 ab	47 a
4	K20 0-0-62 DAP 18-46-0	GR GR	60 lb ai/a 40 lb ai/a	97 lb/a 87 lb/a	PPI PPI	23 bc	49 a
5	K20 0-0-62 DAP 18-46-0 AS (21-0-0-24S)	GR GR GR	60 lb ai/a 40 lb ai/a 10 lb ai/a	97 lb/a 87 lb/a 41.7 lb/a	PPI PPI PPI	23 bc	47 a
6	K20 0-0-62 MES10	GR GR	60 lb ai/a 40 lb ai/a	97 lb/a 100 lb/a	PPI PPI	23 bc	47 a
7	K20 0-0-62 MESZ	GR GR	60 lb ai/a 40 lb ai/a	97 lb/a 100 lb/a	PPI PPI	22 bc	44 a
8	CHECK					24 abc	40 a
LSD P=.05						3.6	13.0
Standard Deviation						2.4	8.8
CV						10.39	18.95
Replicate F						1.532	5.536
Replicate Prob(F)						0.2354	0.0058
Treatment F						2.491	0.716
Treatment Prob(F)						0.0497	0.6597

Crop Code
 GLXMA, BSOY, Glycine max, Soybean = US
Rating Type
 YIELD = yield
Rating Unit
 NUMBER = number
 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.