

MSU Soil Fertility Research Program
INTERACTION BETWEEN SOYBEAN MORPHOLOGY, FERTILIZER INPUT, AND POPULATION
 Trial ID: SOYMSN04-18 Location: Mason Trial Year: 2018
 Investigator: Kurt Steinke
 Project ID: BEANPOP2X2

Crop Code							GLXMA
Crop Name							Soybean
Crop Variety							P24A80XA2535
Description							bu/ac13.5%
Rating Date							Nov-8-2018
Rating Type							YIELD
Rating Unit							BU
ARM Action Codes							TY1
Number of Decimals							0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage
							5
1	LINEAR High Pop 170K MESZ	40	GR	60 lb ai/a	150 lb/a	2X2	69 a
2	LINEAR High Pop 170K No Starter						70 a
3	LINEAR Low Pop 50 K MESZ	40	GR	60 lb ai/a	150 lb/a	2X2	64 a
4	LINEAR Low Pop 50 K No Starter						64 a
5	BUSH High Pop 170K MESZ	40	GR	60 lb ai/a	150 lb/a	2X2	71 a
6	BUSH High Pop 170K No Starter						68 a
7	BUSH Low Pop 50 K MESZ	40	GR	60 lb ai/a	150 lb/a	2X2	66 a
8	BUSH Low Pop 50 K No Starter						67 a
LSD P=.05							9.9
Standard Deviation							6.1
CV							9.02
Replicate F							1.261
Replicate Prob(F)							0.3509
Treatment F							0.702
Treatment Prob(F)							0.6726

Crop Code
 GLXMA, BSOY, Glycine max, Soybean = US
Rating Type
 YIELD = yield
Rating Unit
 BU = bushel
ARM Action Codes

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
 Mean separations are based on the complete error term.
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Yates=5

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$$TY1 = 3.63*[2]*(100-[3])/86.5$$

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