

MSU Soil Fertility Research Program

RESPONSE OF SOYBEAN TO STIMULATE

Trial ID: SOYEL04-17

Location: Campus Trial Year: 2017

Investigator: Kurt Steinke

Project ID: STIMSOY

Crop Code						GLXMA	GLXMA	GLXMA
Crop Name						Soybean	Soybean	Soybean
Crop Variety						P24T05R	P24T05R	AG2433
Description						1 meter of row		bu/ac@13.5%
Rating Date						Oct-3-2017	Oct-3-2017	Oct-2-2017
Rating Type						Stand Count	LODGIN	YIELD
Rating Unit						NUMBER	% Failed	BU
ARM Action Codes								TY1
Number of Decimals						0		0
Trt No.	Treatment Name	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	Check						1	2
							23 a	0.00 a
2	Stimulate Water	AL AL	0.5 pt/a 5.9375 gal/a	0.5 pt/a 5.9375 gal/a	IN-FUR IN-FUR		24 a	0.00 a
3	Stimulate Water	AL AL	1 pt/a 5.875 gal/a	1 pt/a 5.875 gal/a	IN-FUR IN-FUR		23 a	0.00 a
4	Stimulate	AL	5 fl oz/cwt	5 fl oz/cwt	SEED		23 a	0.00 a
LSD P=.05						1.8	.	5.9
Standard Deviation						1.1	0.000	3.7
CV						4.81	0.0	7.88
Replicate F						2.898	0.000	13.514
Replicate Prob(F)						0.0941	1.0000	0.0011
Treatment F						1.407	0.000	3.088
Treatment Prob(F)						0.3032	1.0000	0.0826

Crop Code

GLXMA, BSOY, Glycine max, Soybean = US

Rating Type

LODGIN = lodging

YIELD = yield

Rating Unit

NUMBER = number

BU = bushel

ARM Action Codes

TY1 = $3.63 \times [3] \times (100 - [4]) / 86.5$

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.

Could not calculate LSD (% mean diff) for columns 2 because error mean square = 0.