

MSU Soil Fertility Research Program

RESPONSE OF SOYBEAN TO STIMULATE

Trial ID: SOYEL10-16 Location: CAMPUS Trial Year: 2016
 Investigator: Kurt Steinke
 Project ID: STIMSOY

Crop Code	GLXMA						
Crop Name	Soybean						
Crop Variety	AG2433						
Description	bu/ac@13%						
Rating Date	Oct-25-2016						
Rating Type	YIELD						
Rating Unit	BU						
Crop Stage Scale	HARVEST						
Trt No.	Treatment Name	Form Type	Rate	Other Unit Rate	Other Rate	Growth Unit Stage	
							5
1	Check						65 a
2	Stimulate Water	AL	0.5 pt/a		0.5 pt/a	IN-FUR	64 a
		AL	5.9375 gal/a	5.9375 gal/a	IN-FUR		
3	Stimulate Water	AL	1 pt/a		1 pt/a	IN-FUR	61 a
		AL	5.875 gal/a	5.875 gal/a	IN-FUR		
4	3-18-18 Water	AL	1.5 gal/a		1.5 gal/a	IN-FUR	57 a
		AL	4.5 gal/a	4.5 gal/a	IN-FUR		
5	Stimulate 3-18-18 Water	AL	0.5 pt/a		0.5 pt/a	IN-FUR	54 a
		AL	1.5 gal/a		1.5 gal/a	IN-FUR	
		AL	4.44 gal/a	4.44 gal/a	IN-FUR		
6	Stimulate 3-18-18 Water	AL	1 pt/a		1 pt/a	IN-FUR	55 a
		AL	1.5 gal/a		1.5 gal/a	IN-FUR	
		AL	4.375 gal/a	4.375 gal/a	IN-FUR		
7	3-18-18 Water	AL	3 gal/a		3 gal/a	IN-FUR	57 a
		AL	3 gal/a	3 gal/a	IN-FUR		
8	Stimulate 3-18-18 Water	AL	0.5 pt/a		0.5 pt/a	IN-FUR	58 a
		AL	3 gal/a		3 gal/a	IN-FUR	
		AL	2.94 gal/a	2.94 gal/a	IN-FUR		
9	Stimulate 3-18-18 Water	AL	1 pt/a		1 pt/a	IN-FUR	62 a
		AL	3 gal/a		3 gal/a	IN-FUR	
		AL	2.88 gal/a	2.88 gal/a	IN-FUR		
10	Stimulate Water	AL	2 pt/a		2 pt/a	IN-FUR	56 a
		AL	5.75 gal/a	5.75 gal/a	IN-FUR		
LSD P=.05							9.6
Standard Deviation							6.6
CV							11.21
Replicate F							7.944
Replicate Prob(F)							0.0006
Treatment F							1.310
Treatment Prob(F)							0.2775

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.