

MSU Soil Fertility Research Program  
 BIOSTIMULATORY TECHNOLOGIES ON CORN  
 Trial ID: CMSN05-18    Location: MASON    Trial Year: 2018  
 Investigator: Kurt Steinke  
 Project ID: BIOCORN

Crop Code						ZEAMX	
Crop Name						Corn	
Crop Variety						PO157AMX	
Description						bu/ac15.5%	
Rating Date						Nov-4-2018	
Rating Type						YIELD	
Rating Unit						BU	
Crop Stage Scale						HVST	
ARM Action Codes						TY2	
Number of Decimals						0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Unit	Growth Stage	8
1	Endo Fungi	AL		0.4 fl oz/a	0.4 fl oz/a	INFUR	185 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		2 gal/a	2 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	
2	BACT + sugar	AL		4 fl oz/a	4 fl oz/a	INFUR	179 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		1.98 gal/a	1.98 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	
3	BACT + fungi	AL		8 fl oz/a	8 fl oz/a	INFUR	181 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		1.94 gal/a	1.94 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	
4	Humic Acid	AL		16 fl oz/a	16 fl oz/a	INFUR	197 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		1.88 gal/a	1.88 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	
5	Fulvic Acid	AL		32 fl oz/a	32 fl oz/a	INFUR	193 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		1.75 gal/a	1.75 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	
6	Humic+Fulvic	AL		8 fl oz/a	8 fl oz/a	INFUR	192 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		1.94 gal/a	1.94 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	
7	Humic-SeaWD	AL		64 fl oz/a	64 fl oz/a	INFUR	188 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		1.5 gal/a	1.5 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	
8	Fulvic-SeaWD	AL		64 fl oz/a	64 fl oz/a	INFUR	191 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		1.5 gal/a	1.5 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	

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.

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Rating Type	YIELD						
Rating Unit	BU						
Crop Stage Scale	HVST						
ARM Action Codes	TY2						
Number of Decimals	0						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Stage	8
9	CHECK						186 a
	10-34-0	AL		4 gal/a	4 gal/a	INFUR	
	WATER	AL		2 gal/a	2 gal/a	INFUR	
	28% Nitrogen	3 AL		129 lb ai/a	43 gal/a	SDV4-6	
LSD	P=.05					17.6	
Standard Deviation						12.1	
CV						6.42	
Replicate F						3.761	
Replicate Prob(F)						0.0241	
Treatment F						0.920	
Treatment Prob(F)						0.5174	

Crop Code  
 ZEAMX, BCOR, Zea mays, Corn = US

Rating Type  
 YIELD = yield

Rating Unit  
 BU = bushel

ARM Action Codes  
 $TY2 = 3.889286 * [C5] * (100 - [C6]) / 84.5$

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