

# MSU Soil Fertility Research Program

## THE EFFECT OF ORGANIC AND INORGANIC N ON YIELD IN MICHIGAN POTATO.

Trial ID: PMRF01-13    Location: MCRF    Trial Year: 2013

Investigator: Kurt Steinke

Project ID: Herbrucks

Crop Code								SOLTU	
Crop Name								Potato	
Crop Variety								FL 2137	
Description								harvest	
Rating Date								Sep-23-2013	
Rating Type								Total Yield	
Rating Unit								CWT	
Crop Stage Scale								ET4 T4	
ARM Action Codes								1	
Number of Decimals									
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
1	CHECK							A	250.8 b
	MAP 11-52-0	52	GR	120 lb ai/a	230 lb/a		BAND	B	
	K2O 0-0-62	62	GR	150 lb ai/a	242 lb/a		BAND	B	
2	Perfect Blend		GR	1 ton/a	1 ton/a		PPI	A	429.7 a
	Amm Sulf 21-0-0	21	GR	65 lb ai/a	305 lb/a		EMERGE	C	
	ASN 26-0-0	26	GR	129 lb ai/a	496 lb/a		HILLING	D	
3	Perfect Blend		GR	2.5 ton/a	2.5 ton/a		PPI	A	418.0 a
	Amm Sulf 21-0-0	21	GR	11 lb ai/a	52.4 lb/a		EMERGE	C	
	ASN 26-0-0	26	GR	21 lb ai/a	81 lb/a		HILLING	D	
4	Herbruck		GR	1 ton/a	1 ton/a		PPI	A	345.9
	Amm Sulf 21-0-0	21	GR	82 lb ai/a	390 lb/a		EMERGE	C	
	ASN 26-0-0	26	GR	164 lb ai/a	630 lb/a		HILLING	D	
5	Herbruck		GR	2.5 ton/a	2.5 ton/a		PPI	A	382.0 a
	Amm Sulf 21-0-0	21	GR	55 lb ai/a	262 lb/a		EMERGE	C	
	ASN 26-0-0	26	GR	111 lb ai/a	427 lb/a		HILLING	D	
6	MAP 11-52-0	52	GR	120 lb ai/a	230 lb/a		BAND	B	388.4 a
	K2O 0-0-62	62	GR	150 lb ai/a	242 lb/a		BAND	B	
	Amm Sulf 21-0-0	21	GR	92 lb ai/a	440 lb/a		EMERGE	C	
	ASN 26-0-0	26	GR	183 lb ai/a	704 lb/a		HILLING	D	
LSD (P=.10)									37.82
Standard Deviation									30.01
CV									8.03
Bartlett's X2									8.835
P(Bartlett's X2)									0.065
Skewness									-0.5725
Kurtosis									-0.3757
Replicate F									5.404
Replicate Prob(F)									0.0138
Treatment F									22.747
Treatment Prob(F)									0.0001

Crop Code  
SOLTU, BPOT, Solanum tuberosum, = US

Rating Unit  
CWT = hundredweight (u.s.=100 lb)

ARM Action Codes  
ET4 = Excluded treatment 4  
T4 = [C32]+[C33]+[C34]