

MSU Soil Fertility Research Program

THE EFFECT OF ORGANIC AND INORGANIC N ON YIELD IN MICHIGAN POTATO, 2012

Trial ID: PMRF01-12 Location: MRF Trial Year:
 Protocol ID: PMRF01-12 Investigator: Kurt Steinke
 Project ID: PMRF01-12 Study Director:
 Sponsor Contact:

Crop Code							SOLTU
Crop Name							Potato
Crop Variety							FL 2137
Description							harvest
Rating Date							Sep-14-2012
Rating Type							Total Yield
Rating Unit							CWT
Crop Stage Scale							
ARM Action Codes							T4
Number of Decimals							0
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Unit	Appl Code	
1	CHECK					A	251 b
2	Perfect Blend	1 ton/a		1 ton/a	PPI	A	381 a
	Amm of Sulfate	65 lb ai/a		310 lb/a	EMERGE	B	
	ASN 26-0-0	129 lb ai/a		496 lb/a	HILLING	C	
3	Perfect Blend	2.5 ton/a		2.5 ton/a	PPI	A	395 a
	Amm of Sulfate	11 lb ai/a		52.4 lb/a	EMERGE	B	
	ASN 26-0-0	21 lb ai/a		81 lb/a	HILLING	C	
4	Herbruck	1 ton/a		1 ton/a	PPI	A	370 a
	Amm of Sulfate	82 lb ai/a		390 lb/a	EMERGE	B	
	ASN 26-0-0	164 lb ai/a		630 lb/a	HILLING	C	
5	Herbruck	2.5 ton/a		2.5 ton/a	PPI	A	369 a
	Amm of Sulfate	55 lb ai/a		262 lb/a	EMERGE	B	
	ASN 26-0-0	111 lb ai/a		427 lb/a	HILLING	C	
6	Amm of Sulfate	30 lb ai/a		143 lb/a	PPI	A	375 a
	P205-PHOS	50 lb ai/a		111 lb/a	PPI	A	
	K2O 0-0-62	150 lb ai/a		242 lb/a	PPI	A	
	GYPSUM (S)	30 lb ai/a		188 lb/a	PPI	A	
	Amm of Sulfate	90 lb ai/a		430 lb/a	EMERGE	B	
	ASN 26-0-0	180 lb ai/a		690 lb/a	HILLING	C	
LSD (P=.05)							48.6
Standard Deviation							32.3
CV							9.04
Bartlett's X2							4.233
P(Bartlett's X2)							0.516
Skewness							-0.8848
Kurtosis							0.1428

Crop Code

SOLTU, BPOT, Solanum tuberosum, = US

Rating Unit

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

ARM Action Codes

T4 = [C19]+[C20]+[C21]

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.