

MSU Soil Fertility Research Program

TIMING OF NITROGEN APPLICATIONS IN POTATO

Trial ID: PMRF03-13

Location: MRP Trial Year: 2013

Investigator: Kurt Steinke

Project ID: MPIC-NITROGEN

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						
ARM Action Codes						T4
Number of Decimals						1
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code
		Rate Unit	Rate	Rate Unit		
50						
2	ESN 44-0-0	175 lb ai/a	398 lb/a		PL-BAND B	
	MAP 11-52-0	120 lb ai/a	230 lb/a		PL-BAND B	
	K2O 0-0-62	100 lb ai/a	161 lb/a		PL-BAND B	
	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	
3	ESN 44-0-0	225 lb ai/a	510 lb/a		PL-BAND B	
	MAP 11-52-0	120 lb ai/a	230 lb/a		PL-BAND B	
	K2O 0-0-62	100 lb ai/a	161 lb/a		PL-BAND B	
	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	
4	ASN 26-0-0	58 lb ai/a	223 lb/a		EMERGE C	
	ASN 26-0-0	117 lb ai/a	450 lb/a		HILL D	
	MAP 11-52-0	120 lb ai/a	230 lb/a		PL-BAND B	
	K2O 0-0-62	100 lb ai/a	161 lb/a		PL-BAND B	
	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	
5	ASN 26-0-0	75 lb ai/a	288 lb/a		EMERGE C	
	ASN 26-0-0	150 lb ai/a	577 lb/a		HILL D	
	MAP 11-52-0	120 lb ai/a	230 lb/a		PL-BAND B	
	K2O 0-0-62	100 lb ai/a	161 lb/a		PL-BAND B	
	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	
6	Urea 46-0-0	58 lb ai/a	126 lb/a		EMERGE C	
	Urea 46-0-0	117 lb ai/a	254 lb/a		HILL D	
	MAP 11-52-0	120 lb ai/a	230 lb/a		PL-BAND B	
	K2O 0-0-62	100 lb ai/a	161 lb/a		PL-BAND B	
	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	
7	Urea 46-0-0	75 lb ai/a	163 lb/a		EMERGE C	
	Urea 46-0-0	150 lb ai/a	326 lb/a		HILL D	
	MAP 11-52-0	120 lb ai/a	230 lb/a		PL-BAND B	
	K2O 0-0-62	100 lb ai/a	161 lb/a		PL-BAND B	
	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI A	
LSD (P=.10)						62.66
Standard Deviation						50.55
CV						12.98
Replicate F						1.334
Replicate Prob(F)						0.3007
Treatment F						1.929
Treatment Prob(F)						0.1489

Crop Code

SOLTU, BPOT, Solanum tuberosum, = US

Rating Unit

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

ARM Action Codes

T4 = [C48]+[C49]+[C50]

Means followed by same letter do not significantly differ (P=.10, LSD)

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