

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 Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	50
1	CHECK					B	281.1 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	
8	Urea 46-0-0	19 lb ai/a	41.3 lb/a		HILL	D	379.9 bc
	AS (21-0-0-24S)	36 lb ai/a	150 lb/a		EMERGE	C	
	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	
9	Urea 46-0-0	32 lb ai/a	69.6 lb/a		HILL	D	388.2 abc
	AS (21-0-0-24S)	63 lb ai/a	263 lb/a		EMERGE	C	
	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	
10	Urea 46-0-0	42 lb ai/a	91 lb/a		HILL	D	398.1 abc
	AS (21-0-0-24S)	83 lb ai/a	395 lb/a		EMERGE	C	
	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	
11	Urea 46-0-0	58 lb ai/a	126 lb/a		HILL	D	372.9 c
	AS (21-0-0-24S)	117 lb ai/a	557 lb/a		EMERGE	C	
	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	
12	Urea 46-0-0	75 lb ai/a	163 lb/a		HILL	D	400.6 abc
	AS (21-0-0-24S)	150 lb ai/a	714 lb/a		EMERGE	C	
	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	
13	Urea 46-0-0	92 lb ai/a	200 lb/a		HILL	D	427.7 a
	AS (21-0-0-24S)	183 lb ai/a	870 lb/a		EMERGE	C	
	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	

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.

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Number of Decimals							1
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Unit Stage	Appl Code	
		Rate Unit	Rate	Rate			50
14	Urea 46-0-0	108 lb ai/a	235 lb/a		HILL	D	413.3 ab
	AS (21-0-0-24S)	217 lb ai/a	1030 lb/a		EMERGE	C	
	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)							40.26
Standard Deviation							33.09
CV							8.64
Replicate F							4.391
Replicate Prob(F)							0.0151
Treatment F							7.296
Treatment Prob(F)							0.0002

Crop Code

SOLTU, BPOT, Solanum tuberosum, = US

Rating Unit

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

ARM Action Codes

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