

MSU Weed Science Research Program

WEED CONTROL IN POTATO WITH REFLEX, KRUMMER, 2008

Trial ID: P0708
Conducted:

Study Dir.:
Investigator: Wesley Everman

Date Planted: 5/26/08	Row Spacing: 34 IN
Variety: Snowden	No. of Reps: 3
Population:	% OM:
Soil Type:	pH:
Plot Size: 10 X 20 FT	Design: RANDOMIZED COMPLETE BLOCK
Crop Code Common Name	
1. SOLTU POTATO	

Application Description

A

Application Timing: PRE
Date Treated: 5/29/08
Time Treated: 2:10 PM
% Cloud Cover: 100
Air Temp., Unit: 85 F
% Relative Humidity: 20
Wind Speed/Unit/Dir: 3 mph SW
Soil Temp., Unit: 64 F
Soil/Leaf Surface M: 4 5
Soil Moist (1=w 5=d): 4

Crop Stage at Each Application

A
Crop Name: SOLTU

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A	BKPK	3.5	FF	8003	18"	20"	100"	20	H20	30

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							solsa		solsa	solsa	SOLTU	SOLTU
							control	injury	control	control	growthcrack	yield
							percent	percent	percent	percent	1-5	lbs/plot
							6/13/08	6/30/08	6/30/08	7/29/08	9/5/08	9/5/08
							15 DAPRE	32 DAPRE	32 DAPRE	61 DAPRE	HARVEST	HARVEST
Trt	Treatment	Form	Form	Rate	Rate	Grow	1	2	3	4	5	6
No.	Name	Conc	Type		Unit	Stg						
1	Untreated						0.0	0.0	0.0	0.0	0	52.43
2	Reflex	2	L	1	pt/a	PRE	56.7	0.0	86.7	16.7	0	51.10
3	Reflex	2	L	2	pt/a	PRE	93.3	0.0	100.0	90.0	1	45.37
4	Dual Magnum	7.62	L	1	pt/a	PRE	91.3	0.0	94.7	65.0	1	43.57
5	Reflex	2	L	1	pt/a	PRE	95.0	0.0	93.3	73.3	1	48.13
5	Dual Magnum	7.62	L	1	pt/a	PRE						
6	Boundary	6.5	EC	1.5	pt/a	PRE	71.7	0.0	95.0	75.0	1	45.27
7	Boundary	6.5	EC	1.5	pt/a	PRE	88.3	1.7	95.0	76.7	1	50.43
7	Reflex	2	L	1	pt/a	PRE						
8	Boundary	6.5	EC	1.5	pt/a	PRE	88.3	0.0	93.3	56.7	1	45.17
8	Reflex	2	L	0.5	pt/a	PRE						
9	Dual Magnum	7.62	L	1	pt/a	PRE	81.7	0.0	88.3	58.3	1	52.33
9	Sencor	75	DF	4	oz/a	PRE						
10	Dual Magnum	7.62	L	1	pt/a	PRE	70.0	0.0	80.0	41.7	0	50.83
10	Matrix	25	WG	1	oz/a	PRE						
LSD (P=.05)							16.04	1.57	11.35	48.40	1.3	10.952
Standard Deviation							9.35	0.91	6.61	28.21	0.8	6.357
CV							12.7	547.72	8.0	50.99	117.62	13.12

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Weed Code
 Crop Code SOLTU
 Rating Data Type YIELD
 Rating Unit CWT
 Rating Date 9/5/08
 Trt-Eval Interval HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Yield
1	Untreated						201.6
2	Reflex	2	L	1	pt/a	PRE	196.4
3	Reflex	2	L	2	pt/a	PRE	174.4
4	Dual Magnum	7.62	L	1	pt/a	PRE	167.5
5	Reflex	2	L	1	pt/a	PRE	185.0
5	Dual Magnum	7.62	L	1	pt/a	PRE	
6	Boundary	6.5	EC	1.5	pt/a	PRE	174.0
7	Boundary	6.5	EC	1.5	pt/a	PRE	193.9
7	Reflex	2	L	1	pt/a	PRE	
8	Boundary	6.5	EC	1.5	pt/a	PRE	173.6
8	Reflex	2	L	0.5	pt/a	PRE	
9	Dual Magnum	7.62	L	1	pt/a	PRE	201.2
9	Sencor	75	DF	4	oz/a	PRE	
10	Dual Magnum	7.62	L	1	pt/a	PRE	195.4
10	Matrix	25	WG	1	oz/a	PRE	

LSD (P=.05) 42.10
 Standard Deviation 24.44
 CV 13.12

ARM Action Codes
 TY1 = 3.843982*[C6]