

MSU Weed Science Research Program

WEED CONTROL AND POTATO TOLERANCE, 2008

Trial ID: P0508 Study Dir.:  
Conducted: MONCALM RSCH STA. Investigator: Wesley Everman

Date Planted: 5/12/08 Row Spacing: 34 IN  
Variety: Snowden No. of Reps: 3  
Population: 9.5 in space % OM: 1.3  
Soil Type: Loamy Sand pH: 5.8  
Plot Size: 10 X 25 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Spring disk X3  
Spring Chisel X 1  
Cultivate X 1  
Fertilizer: 12 gal 10-34-0 and 20 gal 19-17-0 on (5/12/08)  
150 lbs 46-0-0 (6-17-08)  
150 lbs 46-0-0 (6-27-08)

Crop Code Common Name  
1. SOLTU POTATO

Application Description

A  
Application Timing: PRE  
Date Treated: 5/28/08  
Time Treated: 11:00 am  
% Cloud Cover: 10  
Air Temp., Unit: 60 F  
% Relative Humidity: 41  
Wind Speed/Unit/Dir: 0 mph  
Soil Temp., Unit: 58 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	CUB	3.5	FF	8003	18"	20"	120"	20	H20	30

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Weed Code							cheal		cheal	
Crop Code							SOLTU		SOLTU	
Rating Data Type							injury		injury	
Rating Unit							percent		percent	
Rating Date							6/10/08		6/24/08	
Trt-Eval Interval							13 DA-A		27 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4
1	Non-Treated						0	37	0	0
2	V-10142	75	WG	8.5	oz/a	PRE	13	58	0	43
3	Authority MTZ	45	DF	8	oz/a	PRE	13	100	0	95
4	Authority MTZ	45	DF	12	oz/a	PRE	28	100	0	99
5	KIH-485	85	WG	1.79	oz ai/a	PRE	5	30	0	35
6	KIH-485	85	WG	2.98	oz ai/a	PRE	12	57	0	57
7	Dual Magnum	7.62	L	1.33	pt/a	PRE	3	85	0	73
7	V-10142	75	WG	8.5	oz/a	PRE				
8	Dual Magnum	7.62	L	1.33	pt/a	PRE	37	100	2	98
8	Authority MTZ	45	DF	8	oz/a	PRE				
9	Dual Magnum	7.62	L	1.33	pt/a	PRE	30	100	0	99
9	Authority MTZ	45	DF	12	oz/a	PRE				
10	Dual Magnum	7.62	L	1.33	pt/a	PRE	5	95	0	78
10	KIH-485	85	WG	1.79	oz ai/a	PRE				
11	Dual Magnum	7.62	L	1.33	pt/a	PRE	22	98	0	81
11	KIH-485	85	WG	2.98	oz ai/a	PRE				
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE	5	0	0	33
LSD (P=.05)							18.8	26.9	1.4	20.4
Standard Deviation							11.1	15.9	0.8	12.1
CV							76.68	22.14	600.0	18.29