

VINE DESICCATION AND STORAGE IN POTATO, 2009

Trial ID: P0509 Study Dir.:
 Conducted: MONTCALM RSH FARM Investigator: Christy Sprague

Date Planted: 5/11/09 Row Spacing: 34 IN
 Variety: SNOWDEN No. of Reps: 4
 Population: 1/FT % OM: 1.2
 Soil Type: Loamy Sand pH: 5.4
 Plot Size: 10 X 30 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Spring Disc 3X. Spring Chisel. Field Cultivated.
 Fertilizer: 20 gal/A of 19-17-0, 12 gal/A of 10-34-0 in Row. 23 gal/A of 28% N at Cultivation. 23 gal/A of 28%N at Hilling. 100 lbs/A of 46-0-0 Broadcast.

Application Description

	A	B
Application Timing:	SEN	YELL
Date Treated:	8/19/09	8/27/09
Time Treated:	10:30 AM	
% Cloud Cover:	20	
Air Temp., Unit:	79 F	
% Relative Humidity:	46	
Wind Speed/Unit/Dir:	2 mph SE	
Soil Temp., Unit:	70 F	
Soil/Leaf Surface M:	5	
Soil Moist (1=w 5=d):	5	

Crop Stage at Each Application

	A	B
Crop Name:	SOLTU	SOLTU
Height (In.):	18	18

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	33"	20"	120"	20	H20	30
B	BKPK	3.5	FF	8003		20"	120"	20	H20	30

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Weed Code						SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU
Crop Code						control	control	control	<1 7/8"	<1 7/8"	PickOut	PickOut	oversize	oversize	
Rating Data Type						percent	percent	percent	kilogram	kilogram	kilogram	kilogram	kilogram	kilogram	
Rating Unit						8/27/09	9/1/09	9/8/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	
Rating Date						7 DASEN	5 DAYEL	12 DAYEL	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Trt-Eval Interval						1	2	3	4	5	6	7	8	9	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6	7	8	9
1	Untreated					SEN	90	88	100	3.6625	44.5	0.0000	0	0.000	0
2	Rely 200	1.67	L	28.7	fl oz/a	SEN	99	100	100	3.2175	54.8	0.0000	0	0.148	1
3	Rely 200	1.67	L	28.7	fl oz/a	SEN	98	99	100	2.1250	44.8	0.0000	0	0.123	0
3	Ammonium Sulfate	100	DF	3	lb/100 gal	SEN									
4	Reglone	2	L	1	pt/a	SEN	97	99	100	2.0113	40.3	0.0000	0	0.000	0
4	Activator 90		L	0.25	% v/v	SEN									
4	Reglone	2	L	1	pt/a	YELL									
4	Activator 90		L	0.25	% v/v	YELL									
5	Sharpen	2.9	L	0.5	fl oz/a	SEN	98	99	100	3.3788	60.3	0.0000	0	0.000	0
5	Herbimax		L	1	% v/v	SEN									
5	Ammonium Sulfate	100	DF	2	% w/w	SEN									
6	Sharpen	2.9	L	1	fl oz/a	SEN	97	96	100	4.3050	49.3	0.0000	0	0.000	0
6	Herbimax		L	1	% v/v	SEN									
6	Ammonium Sulfate	100	DF	2	% w/w	SEN									
7	Sharpen	2.9	L	2	fl oz/a	SEN	100	100	100	3.5188	58.3	0.0000	0	0.000	0
7	Herbimax		L	1	% v/v	SEN									
7	Ammonium Sulfate	100	DF	2	% w/w	SEN									
8	Sharpen	2.9	L	4	fl oz/a	SEN	100	99	100	2.6875	57.0	0.1488	1	0.000	0
8	Herbimax		L	1	% v/v	SEN									
8	Ammonium Sulfate	100	DF	2	% w/w	SEN									
9	Aim	2	L	0.032	lb ai/a	SEN	95	98	100	3.2788	55.0	0.0000	0	0.000	0
9	MSO		L	1	% v/v	SEN									
10	Aim	2	L	0.025	lb ai/a	SEN	95	99	100	4.5513	55.5	0.0000	0	0.000	0
10	MSO		L	1	% v/v	SEN									
10	Aim	2	L	0.032	lb ai/a	YELL									
10	MSO		L	1	% v/v	YELL									
LSD (P=.05)							4.0	3.2	0.0	2.53880	26.72	0.13651	0.5	0.1791	0.5
Standard Deviation							2.8	2.2	0.0	1.74971	18.41	0.09408	0.3	0.1235	0.4
CV							2.86	2.25	0.0	53.45	35.45	632.46	632.46	457.23	478.34

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Crop Code						SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU
Rating Data Type						Grade A	Grade A	dry	wet	SPEC. GRAV.	HH	VD	
Rating Unit						kilogram	count				0-10	0-10	
Rating Date						9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	
Trt-Eval Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	10	11	12	13	14	15	16
1	Untreated						22.1012519	159	9.5963	0.78475	1.0891491	1	4
2	Rely 200	1.67	L	28.7	fl oz/a	SEN	20.1337510	178	9.8700	0.74975	1.0831081	0	2
3	Rely 200	1.67	L	28.7	fl oz/a	SEN	21.9650023	182	8.9875	0.72950	1.0883448	0	6
3	Ammonium Sulfate	100	DF	3	lb/100 gal	SEN							
4	Reglone	2	L	1	pt/a	SEN	17.6237524	172	9.4763	0.77688	1.0891869	0	4
4	Activator 90		L	0.25	% v/v	SEN							
4	Reglone	2	L	1	pt/a	YELL							
4	Activator 90		L	0.25	% v/v	YELL							
5	Sharpen	2.9	L	0.5	fl oz/a	SEN	15.3712507	143	8.6500	0.65813	1.0821524	0	5
5	Herbimax		L	1	% v/v	SEN							
5	Ammonium Sulfate	100	DF	2	% w/w	SEN							
6	Sharpen	2.9	L	1	fl oz/a	SEN	20.0362512	167	9.7150	0.73788	1.0829724	0	3
6	Herbimax		L	1	% v/v	SEN							
6	Ammonium Sulfate	100	DF	2	% w/w	SEN							
7	Sharpen	2.9	L	2	fl oz/a	SEN	16.6150014	161	8.6925	0.65763	1.0830008	0	5
7	Herbimax		L	1	% v/v	SEN							
7	Ammonium Sulfate	100	DF	2	% w/w	SEN							
8	Sharpen	2.9	L	4	fl oz/a	SEN	19.3675022	170	9.6513	0.79325	1.0895522	0	4
8	Herbimax		L	1	% v/v	SEN							
8	Ammonium Sulfate	100	DF	2	% w/w	SEN							
9	Aim	2	L	0.032	lb ai/a	SEN	20.8987524	182	9.7800	0.82563	1.0922733	0	5
9	MSO		L	1	% v/v	SEN							
10	Aim	2	L	0.025	lb ai/a	SEN	22.4500011	202	10.5200	0.90300	1.0927483	0	3
10	MSO		L	1	% v/v	SEN							
10	Aim	2	L	0.032	lb ai/a	YELL							
10	MSO		L	1	% v/v	YELL							
LSD (P=.05)						6.22607866	43.7	2.76942	0.241073	0.01134400	0.7	3.1	
Standard Deviation						4.29093785	30.1	1.90865	0.166144	0.00781814	0.5	2.1	
CV						21.83	17.6	20.1	21.81	0.72	483.05	53.0	

ARM Action Codes

T1 = ([12])/([12]-[13])