

Potato Timing Study, Montcalm, 2008

Trial ID: P0809
 Conducted: Montcalm

Study Dir.:
 Investigator: Christy Sprague

Date Planted: 5/11/09 **Row Spacing:** 34 IN
Variety: SNOWDEN **No. of Reps:** 4
Population: 1/FT **% OM:** 1.1
Soil Type: Loamy Sand **pH:** 6.0
Plot Size: 10 X 25 FT **Design:** FACTORIAL

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	C	D
Application Timing:	0 DAP	10 DAP	21 DAP	POST
Date Treated:	5/11/09	5/20/09	5/29/09	7/14/09
Time Treated:	4:15 PM	9:54 PM	10:00 AM	10:00 AM
% Cloud Cover:	50	0	40	5
Air Temp., Unit:	68 F	76 F	65 F	68 F
% Relative Humidity:	37	50	73	42
Wind Speed/Unit/Dir:	6 mph SW	8 mph SW	2 mph W	0 mph
Soil Temp., Unit:	68 F	63 F	63 F	66 F
Soil/Leaf Surface M:		5		5
Soil Moist (1=w 5=d):		4		4

Crop Stage at Each Application

	A	B	C	D
Crop Name:	SOLTU	SOLTU	SOLTU	SOLTU
Stage (L):			CRACK	

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Nozzle Width	Boom	GPA	Carrier	PSI
A	BKPK	3.5	FF	8003	18"	20"	100"	20	H20		30
B	BKPK	3.5	FF	8003	18"	20"	100"	20	H20		30
C	BKPK	3.5	FF	8003	18"	20"	100"	20	H20		30
D	BKPK	3.5	FF	8003	28"	20"	100"	20	H20		30

Comments: Spray solution was Buffered to a pH of 6.0

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Weed Code																	
Crop Code																	
Rating Data Type																	
Rating Unit																	
Rating Date																	
Trt-Eval Interval																	

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6	7	8	9	10	11
	LSD (P=.05)						0.0	3.5	4.2	25.9	29.9	31.1	39.4	35.9	6.1	11.1	13.0
	Standard Deviation						0.0	2.4	2.9	18.0	20.7	21.5	27.3	24.9	4.2	7.7	9.0
	CV						0.0	2.73	3.28	22.4	23.48	26.81	39.8	35.87	252.37	9.35	10.94

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Weed Code	AMARE	POLCO	POLPE	CHEAL	ANGR	POLCO	SOLTU	SOLTU	SOLTU	SOLTU
Crop Code							<1 7/8"	<1 7/8"	oversize	oversize
Rating Data Type	control	control	control	control	control	control	<1 7/8"	<1 7/8"	oversize	oversize
Rating Unit	percent	percent	percent	percent	percent	percent	kilogram	count	kilogram	count
Rating Date	8/12/09	8/12/09	8/12/09	8/27/09	8/27/09	8/27/09	9/17/09	9/17/09	9/17/09	9/17/09
Trt-Eval Interval	29 DAPO	29 DAPO	29 DAPO	44 DAPO	44 DAPO	44 DAPO	HARVEST	HARVEST	HARVEST	HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	12	13	14	15	16	17	18	19	20	21
LSD (P=.05)							11.9	16.5	21.5	23.9	30.0	38.9	1.52143	74.01	0.37215	0.4
Standard Deviation							8.2	11.4	14.9	16.6	20.8	27.0	1.05214	51.18	0.25736	0.3
CV							8.7	12.44	15.26	25.63	33.86	42.32	21.51	51.69	446.97	350.61

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Weed Code									
Crop Code									
Rating Data Type			SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU
Rating Unit			Grade A	Grade A	dry	wet	SPEC. GRAV.	HH	VD
Rating Date			kilogram	count				0-10	0-10
Trt-Eval Interval			9/17/09	9/17/09	9/17/09	9/17/09	9/17/09	9/17/09	9/17/09
			HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg								
							22	23	24	25	26	27	28	29
LSD (P=.05)							5.26150	44.1	2.08632	0.16638	0.00533230	0.7	2.3	0.2
Standard Deviation							3.63857	30.5	1.44279	0.11506	0.00368753	0.5	1.6	0.1
CV							29.32	28.15	14.94	15.66	0.34	254.61	49.15	692.82

ARM Action Codes

T1 = ([24])/([24]-[25])