

MAVERICK PRE IN POTATO, 2009

Trial ID: P1309 Study Dir.:  
 Conducted: MONTCALM RSH FARM Investigator: Christy Sprague

Date Planted: 5/11/09 Row Spacing: 34 IN  
 Variety: SNOWDEN No. of Reps: 3  
 Population: 1/FT % OM: 1.2  
 Soil Type: Loamy Sand pH: 5.7  
 Plot Size: 9 X 20 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  
 Application Timing: PRE 0 DAP  
 Date Treated: 5/12/09  
 Time Treated: 9:36 AM  
 % Cloud Cover: 0  
 Air Temp., Unit: 64 F  
 % Relative Humidity: 46  
 Wind Speed/Unit/Dir: 3 mph SE  
 Soil Temp., Unit: 51 F  
 Soil Moist (1=w 5=d): 4

**Crop Stage at Each Application**

A  
 Crop Name: SOLTU

**Weed Stage at Each Application**

A  
 Weed 1 Name: ANGR  
 Weed 2 Name: CHEAL  
 Weed 3 Name: AMARE  
 Weed 4 Name: DI GSA

**Application Equipment**

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

## MAVERICK PRE IN POTATO, 2009

Trial ID: P1309

Study Dir. :

Conducted: MONTCALM RSH FARM

Investigator: Christy Sprague

Weed Code						ANGR	CHEAL				ANGR	CHEAL				ANGR	CHEAL	
Crop Code								SOLTU	SOLTU	SOLTU			SOLTU	SOLTU	SOLTU			
Rating Data Type						control	control	stunt	discolor	injury	control	control	stunt	discolor	injury	control	control	
Rating Unit						percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	
Rating Date						5/29/09	5/29/09	6/3/09	6/3/09	6/3/09	6/3/09	6/3/09	6/10/09	6/10/09	6/10/09	6/10/09	6/10/09	
Trt-Eval Interval						17 DA-A	17 DA-A	7 DACR	7 DACR	7 DACR	7 DACR	7 DACR	14 DAE	14 DAE	14 DAE	14 DAE	14 DAE	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6	7	8	9	10	11	12
1	Maverick	75	DF	0.041	lb ai/a	PRE	100	100	0	0	0	100	100	27	0	27	100	100
1	Dual II Magnum	7.64	L	1	lb ai/a	PRE												
2	Maverick	75	DF	0.082	lb ai/a	PRE	100	100	0	0	0	100	100	40	0	40	100	100
2	Dual II Magnum	7.64	L	1	lb ai/a	PRE												
3	Sencor	75	DF	0.38	lb ai/a	PRE	100	100	0	0	0	100	98	3	0	3	100	100
3	Dual II Magnum	7.64	L	1	lb ai/a	PRE												
4	Dual II Magnum	7.64	L	1	lb ai/a	PRE	100	90	0	3	3	100	95	0	0	0	100	95
5	Non-Treated						0	0	0	0	0	0	0	3	0	3	0	0
LSD (P=.05)							0.0	11.1	0.0	4.9	4.9	0.0	5.3	35.1	0.0	35.1	0.0	0.0
Standard Deviation							0.0	5.9	0.0	2.6	2.6	0.0	2.8	18.7	0.0	18.7	0.0	0.0
CV							0.0	7.58	0.0	387.3	387.3	0.0	3.58	127.25	0.0	127.25	0.0	0.0

## MAVERICK PRE IN POTATO, 2009

Trial ID: P1309 Study Dir.:  
 Conducted: MONTCALM RSH FARM Investigator: Christy Sprague

Weed Code		ANGR		CHEAL		AMARE		SOLTU		CHEAL		AMARE		DIGSA		SOLTU		SOLTU		SOLTU		
Crop Code		SOLTU						SOLTU								<1 7/8"	<1 7/8"	Grade A				
Rating Data Type		injury	control	control	control	control	injury	control	control	control	control	control	control	control	control	kilogram	count	kilogram				
Rating Unit		percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent							
Rating Date		6/23/09	6/23/09	6/23/09	6/23/09	6/23/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	7/8/09	9/1/09	9/1/09	9/1/09				
Trt-Eval Interval		27 DAE	27 DAE	27 DAE	27 DAE	27 DAE	42 DAE	42 DAE	42 DAE	42 DAE	42 DAE	42 DAE	42 DAE	42 DAE	HARVEST	HARVEST	HARVEST					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	13	14	15	16	17	18	19	20	21	22	23					
1	Maverick	75	DF	0.041	lb ai/a	PRE	30	100	100	100	8	100	100	98	1.487	37	7.5900					
1	Dual II Magnum	7.64	L	1	lb ai/a	PRE																
2	Maverick	75	DF	0.082	lb ai/a	PRE	37	100	100	100	15	67	67	67	1.253	35	6.4533					
2	Dual II Magnum	7.64	L	1	lb ai/a	PRE																
3	Sencor	75	DF	0.38	lb ai/a	PRE	0	99	100	100	0	93	100	96	1.040	25	10.3033					
3	Dual II Magnum	7.64	L	1	lb ai/a	PRE																
4	Dual II Magnum	7.64	L	1	lb ai/a	PRE	0	100	73	100	0	82	100	98	2.050	52	8.6300					
5	Non-Treated						0	0	0	0	0	33	67	33	1.913	44	2.9750					
LSD (P=.05)							19.9	1.0	19.4	0.0	18.1	79.1	72.9	77.0	0.7214	20.7	7.42294					
Standard Deviation							10.6	0.5	10.3	0.0	9.6	42.0	38.7	40.9	0.3831	11.0	3.94242					
CV							79.25	0.65	13.83	0.0	206.56	55.99	44.69	52.14	24.74	28.5	54.83					

## MAVERICK PRE IN POTATO, 2009

Trial ID: P1309 Study Dir.:  
 Conducted: MONTCALM RSH FARM Investigator: Christy Sprague

Weed Code							SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU
Crop Code							Grade A	dry	wet	SPEC. GRAV.	HH	VD
Rating Data Type							count				0-10	0-10
Rating Unit							9/1/09	9/1/09	9/1/09	9/1/09	9/1/09	9/1/09
Rating Date							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	24	25	26	27	28	29
1	Maverick	75	DF	0.041	lb ai/a	PRE	71	7.5900	0.57533	1.0809867	0	1
1	Dual II Magnum	7.64	L	1	lb ai/a	PRE						
2	Maverick	75	DF	0.082	lb ai/a	PRE	59	6.4533	0.50083	1.0838414	0	1
2	Dual II Magnum	7.64	L	1	lb ai/a	PRE						
3	Sencor	75	DF	0.38	lb ai/a	PRE	94	8.2100	0.65900	1.0995037	0	1
3	Dual II Magnum	7.64	L	1	lb ai/a	PRE						
4	Dual II Magnum	7.64	L	1	lb ai/a	PRE	90	8.6300	0.69067	1.0868192	0	1
5	Non-Treated						36	2.9750	0.23650	1.0836151	0	1
LSD (P=.05)							72.7	5.39706	0.403524	0.03040725	0.5	1.5
Standard Deviation							38.6	2.86645	0.214317	0.01614966	0.3	0.8
CV							55.14	42.33	40.25	1.49	387.3	87.48

ARM Action Codes

T1 = ([C25])/([C25]-[C26])