

MAVERICK PRE IN POTATO, 2010

Trial ID: P0710      Protocol ID: P0710  
 Location: Montcalm      Study Director: Andy Chomas  
 Project ID:              Investigator: Wesley Everman

**General Trial Information**

**Study Director:** Andy Chomas  
**Investigator:** Wesley Everman

**Personnel**

**Study Director:** Andy Chomas  
**Investigator:** Wesley Everman

**Crop Description**

**Crop 1:** SOLTU Solanum tuberosum Potato  
**Variety:** SNOWDEN  
**BBCH Scale:** BPOT                      **Planting Date:** May-17-10  
**Rate, Unit:** 1 S/FT  
**Row Spacing, Unit:** 34 IN

**Site and Design**

**Plot Width, Unit:** 9 FT                      **Site Type:** FIELD field  
**Plot Length, Unit:** 20 FT  
**Plot Area, Unit:** 180 FT<sup>2</sup>                      **Tillage Type:** CONTIL conventional-till  
**Replications:** 4                      **Study Design:** RACOB� Randomized Complete Block (RCB)

**Trial Initiation Comments:**

Spring Disk X3, Chisel, Field Cultivated. Cultivated on , Hilled on .

**Field Prep./Maintenance:**

Broadcast 200 lbs/A K-mag, 10 lbs/A Boron, 2 ton/A Chicken Manure. 5 gal/A 10-34-0, 23 gal/A 28%N at Plant, 100 lbs/A 46-0-0 Broadcast.

**Soil Description**

**% OM:** 1.5    **Texture:** LS loamy sand  
**pH:** 5.8

**Application Description**

**A**  
**Application Date:** May-17-10  
**Time of Day:** 12:00 pm  
**Application Method:** SPRAY  
**Application Timing:** PRE  
**Application Placement:** BROADC  
**Air Temperature, Unit:** 62 F  
**% Relative Humidity:** 45  
**Wind Velocity, Unit:** 10 MPH  
**Wind Direction:** NE  
**Soil Temperature, Unit:** 55 F  
**Soil Moisture:** 5  
**% Cloud Cover:** 90

**Crop Stage At Each Application**

**A**  
**Crop 1 Code, BBCH Scale:** SOLTU BPOT

**Application Equipment**

**Equipment Type:** BKPK  
**Operating Pressure, Unit:** 30 PSI  
**Nozzle Type:** FF  
**Nozzle Size:** 8003  
**Nozzle Spacing, Unit:** 20 IN  
**Boom Length, Unit:** 100 IN  
**Boom Height, Unit:** 18 IN  
**Ground Speed, Unit:** 3.5 MPH  
**Carrier:** WATER  
**Spray Volume, Unit:** 20 gal/ac  
**Mix Size, Unit:** 2 liters

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Pest Code	CHEAL	AMARE	CHEAL	AMARE	CHEAL	AMARE	CHEAL
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU
Rating Date	Jun-15-10	Jun-15-10	Jun-29-10	Jun-29-10	Jun-29-10	Jun-29-10	Jul-13-10
Rating Type	injury	control	control	Injury	control	control	Injury
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA crack	14 DA crack	14 DA crack	28 DAE	28 DAE	28 DAE	42 DA Crack

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Growth Stage	1	2	3	4	5	6	7	8
1	Maverick	75 DF		0.041 lb ai/a	PRE	0	65	100	8	98	100	0	85
1	Dual II Magnum	7.64 L		1 lb ai/a	PRE								
2	Maverick	75 DF		0.082 lb ai/a	PRE	0	95	100	9	100	100	3	98
2	Dual II Magnum	7.64 L		1 lb ai/a	PRE								
3	Sencor	75 DF		0.38 lb ai/a	PRE	0	86	90	1	99	98	0	93
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	50	48	3	86	90	0	53
5	Non-Treated					0	0	0	0	0	0	0	0
	LSD (P=.05)					0.0	40.9	24.6	7.8	3.9	14.5	3.4	25.0
	Standard Deviation					0.0	26.5	16.0	5.1	2.5	9.4	2.2	16.3
	CV					0.0	44.88	23.66	126.55	3.32	12.13	447.21	24.81

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Pest Code	AMARE												
Crop Code		SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU			
Rating Date	Jul-13-10	Sep-17-10	Sep-17-10	Sep-17-10	Sep-17-10	Sep-17-10	Sep-17-10	Sep-17-10	Sep-17-10	Sep-17-10			
Rating Type	control	< 1 7/8"	< 1 7/8"	> 3 1/4"	> 3 1/4"	Grade A	Grade A	SPEC.	GRAV.				
Rating Unit	percent	kilogram	count	kilogram	count	kilogram	count						
Trt-Eval Interval	42 DA Crack	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST			

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Growth Stage	9	10	11	12	13	14	15	18
1	Maverick	75 DF		0.041 lb ai/a	PRE	100	1.93	43	1.41	4	15.84	126	1.079
1	Dual II Magnum	7.64 L		1 lb ai/a	PRE								
2	Maverick	75 DF		0.082 lb ai/a	PRE	100	1.63	36	0.91	3	15.55	127	1.079
2	Dual II Magnum	7.64 L		1 lb ai/a	PRE								
3	Sencor	75 DF		0.38 lb ai/a	PRE	93	2.00	45	0.51	2	17.22	146	1.079
3	Dual II Magnum	7.64 L		1 lb ai/a	PRE								
4	Dual II Magnum	7.64 L		1 lb ai/a	PRE	73	1.94	43	0.72	3	12.96	121	1.077
5	Non-Treated					0	2.25	54	0.27	1	8.94	93	1.077
	LSD (P=.05)					34.8	0.659	15.2	0.504	1.8	2.078	20.0	0.0020
	Standard Deviation					22.6	0.428	9.8	0.302	1.1	1.349	13.0	0.0013
	CV					30.96	21.94	22.33	39.53	45.52	9.57	10.61	0.12

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Pest Code			
Crop Code		SOLTU	SOLTU
Rating Date		Sep-17-10	Sep-17-10
Rating Type		HH	VD
Rating Unit		0-10	0-10
Trt-Eval Interval		HARVEST	HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Growth Stage	19	20	21	22
1	Maverick	75	DF	0.041	lb ai/a	PRE	1	4	1	
1	Dual II Magnum	7.64	L	1	lb ai/a	PRE				
2	Maverick	75	DF	0.082	lb ai/a	PRE	2	5		
2	Dual II Magnum	7.64	L	1	lb ai/a	PRE				
3	Sencor	75	DF	0.38	lb ai/a	PRE	1	4		
3	Dual II Magnum	7.64	L	1	lb ai/a	PRE				
4	Dual II Magnum	7.64	L	1	lb ai/a	PRE		2	1	
5	Non-Treated							2		
	LSD (P=.05)						.	2.3	.	.
	Standard Deviation						.	1.5	.	.
	CV						.	45.34	.	.