



MSU Weed Science Research Program

TOLERANCE OF POTATO MINI-TUBERS TO PRE AND POST HERBICIDE APPLICATIONS, 2008

Trial ID: P0108

Study Dir.:

Conducted: MONTCALM RSCH STA. Investigator: Wesley Everman

Weed Code							SOLTU					
Crop Code							18867	1867	1867	1922	1922	1922
Rating Data Type							Inj-Stunt	Inj-Emer	Inj-Color	Inj-Stunt	Inj-Emer	Inj-Color
Rating Unit							percent	percent	percent	percent	percent	percent
Rating Date							6/5/08	6/5/08	6/5/08	6/5/08	6/5/08	6/5/08
Trt-Eval Interval							8 DA-A	8 DA-A	8 DA-A	8 DA-A	8 DA-A	8 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	11.3	92.5	16.3	11.3	92.5	18.8
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	5.0	91.3	1.3	8.8	93.8	6.3
3	Sencor	75	DF	0.67	lb/a	PRE	6.3	97.5	2.5	13.8	93.8	2.5
4	Lorox	50	DF	1	lb/a	PRE	5.0	98.8	5.0	8.8	86.3	1.3
5	Matrix	25	WG	1.5	oz/a	PRE	1.3	98.8	1.3	7.5	90.0	0.0
6	Outlook	6	L	14	fl oz/a	PRE	13.8	93.8	11.3	25.0	86.3	7.5
7	V-10142	75	WG	8.5	oz/a	PRE	4.4	91.3	1.3	7.5	85.0	1.3
8	Lorox	50	DF	1	lb/a	PRE	15.0	91.3	12.5	6.3	100.0	6.3
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Lorox	50	DF	1	lb/a	PRE	12.8	94.6	6.3	17.5	86.3	8.8
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Sencor	75	DF	0.125	lb/a	PRE						
10	Sencor	75	DF	0.125	lb/a	PRE	10.0	95.0	7.5	8.8	90.0	2.5
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
10	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Sencor	75	DF	0.125	lb/a	PRE	19.4	94.6	13.0	13.8	86.3	8.8
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
11	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE						
12	Lorox	50	DF	1	lb/a	PRE	4.4	94.6	4.7	7.5	92.5	5.0
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
12	Matrix	25	WG	1	oz/a	POST						
12	Activator 90		L	0.25	% v/v	POST						
13	Lorox	50	DF	1	lb/a	PRE	8.8	93.8	6.3	6.3	93.8	7.5
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
13	Matrix	25	WG	1	oz/a	POST						
13	Sencor	75	DF	0.33	lb/a	POST						
13	Activator 90		L	0.25	% v/v	POST						
14	KIH-485	85	WG	2.37	oz ai/a	PRE	12.5	92.5	7.5	7.5	90.0	1.3
15	Non-Treated						5.0	92.5	5.0	3.8	93.8	6.3
LSD (P=.05)							9.64	9.64	5.03	11.60	12.03	9.56
Standard Deviation							6.74	6.75	3.52	8.11	8.42	6.69
CV							75.04	7.16	51.98	79.17	9.29	119.86

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Trial ID: P0108 Study Dir.:  
 Conducted: MONTCALM RSCH STA. Investigator: Wesley Everman

Weed Code

Crop Code	ATL	ATL	ATL	1867	1867	1867
Rating Data Type	Inj-Stunt	Inj-Emer	Inj-Color	Inj-Stunt	Inj-Emer	Inj-Color
Rating Unit	percent	percent	percent	percent	percent	percent
Rating Date	6/10/08	6/10/08	6/10/08	6/10/08	6/10/08	6/10/08
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	7	8	9	10	11	12
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	0.0	100.0	0.0	2.5	100.0	1.3
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	1.3	98.8	0.0	3.8	100.0	1.3
3	Sencor	75	DF	0.67	lb/a	PRE	0.0	100.0	0.0	0.0	100.0	0.0
4	Lorox	50	DF	1	lb/a	PRE	0.0	100.0	0.0	1.3	100.0	1.3
5	Matrix	25	WG	1.5	oz/a	PRE	1.3	100.0	0.0	0.0	100.0	1.3
6	Outlook	6	L	14	fl oz/a	PRE	1.3	98.8	0.0	3.8	100.0	2.5
7	V-10142	75	WG	8.5	oz/a	PRE	0.0	97.5	0.0	0.0	100.0	0.0
8	Lorox	50	DF	1	lb/a	PRE	0.0	100.0	0.0	13.8	100.0	10.0
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Lorox	50	DF	1	lb/a	PRE	1.3	98.8	0.0	7.7	100.0	4.6
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Sencor	75	DF	0.125	lb/a	PRE						
10	Sencor	75	DF	0.125	lb/a	PRE	0.0	100.0	0.0	1.3	100.0	1.3
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
10	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Sencor	75	DF	0.125	lb/a	PRE	0.0	99.0	0.1	6.0	100.0	4.6
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
11	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE						
12	Lorox	50	DF	1	lb/a	PRE	0.0	92.5	1.3	2.7	100.0	6.2
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
12	Matrix	25	WG	1	oz/a	POST						
12	Activator 90		L	0.25	% v/v	POST						
13	Lorox	50	DF	1	lb/a	PRE	0.0	100.0	0.0	7.5	100.0	11.3
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
13	Matrix	25	WG	1	oz/a	POST						
13	Sencor	75	DF	0.33	lb/a	POST						
13	Activator 90		L	0.25	% v/v	POST						
14	KIH-485	85	WG	2.37	oz ai/a	PRE	0.0	100.0	0.0	2.5	100.0	0.0
15	Non-Treated						0.0	100.0	0.0	1.3	100.0	3.8
LSD (P=.05)							1.89	5.66	0.93	8.23	0.09	5.69
Standard Deviation							1.32	3.96	0.65	5.76	0.06	3.98
CV							396.63	4.0	729.85	160.6	0.06	121.43

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Study Dir.:

Conducted: MONTCALM RSCH STA. Investigator: Wesley Everman

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	1922 Inj-Stunt percent 6/10/08 13 DA-A	1922 Inj-Emer percent 6/10/08 13 DA-A	1922 Inj-Color percent 6/10/08 13 DA-A	ATL Inj-Stunt percent 6/18/08 21 DA-A	ATL Inj-Color percent 6/18/08 21 DA-A	1867 Inj-Stunt percent 6/18/08 21 DA-A
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	3.8	100.0	3.8	0.0	0.0	1.3
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	5.0	100.0	3.8	0.0	0.0	0.0
3	Sencor	75	DF	0.67	lb/a	PRE	0.0	100.0	0.0	0.0	0.0	0.0
4	Lorox	50	DF	1	lb/a	PRE	2.5	100.0	2.5	0.0	0.0	0.0
5	Matrix	25	WG	1.5	oz/a	PRE	1.3	100.0	1.3	0.0	0.0	2.5
6	Outlook	6	L	14	fl oz/a	PRE	1.3	100.0	2.5	0.0	0.0	0.0
7	V-10142	75	WG	8.5	oz/a	PRE	0.0	100.0	0.0	0.0	1.3	0.0
8	Lorox	50	DF	1	lb/a	PRE	1.3	100.0	6.3	0.0	0.0	6.3
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Lorox	50	DF	1	lb/a	PRE	1.3	100.0	5.0	0.0	0.0	3.1
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Sencor	75	DF	0.125	lb/a	PRE						
10	Sencor	75	DF	0.125	lb/a	PRE	0.0	100.0	2.5	0.0	0.0	0.0
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
10	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Sencor	75	DF	0.125	lb/a	PRE	1.3	100.0	3.8	0.0	0.0	0.0
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
11	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE						
12	Lorox	50	DF	1	lb/a	PRE	1.3	100.0	6.3	0.0	0.8	0.0
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
12	Matrix	25	WG	1	oz/a	POST						
12	Activator 90		L	0.25	% v/v	POST						
13	Lorox	50	DF	1	lb/a	PRE	5.0	100.0	11.3	0.0	0.0	2.5
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
13	Matrix	25	WG	1	oz/a	POST						
13	Sencor	75	DF	0.33	lb/a	POST						
13	Activator 90		L	0.25	% v/v	POST						
14	KIH-485	85	WG	2.37	oz ai/a	PRE	1.3	100.0	2.5	0.0	0.0	0.0
15	Non-Treated						0.0	100.0	1.3	0.0	0.0	0.0
LSD (P=.05)							5.00	0.00	7.40	0.00	1.10	3.60
Standard Deviation							3.50	0.00	5.18	0.00	0.77	2.52
CV							210.1	0.0	147.87	0.0	577.39	242.08

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Weed Code

Crop Code	1867	1922	1922	ATL	ATL	1867
Rating Data Type	Inj-Color	Inj-Stunt	Inj-Color	Inj-Stunt	Inj-Color	Inj-Stunt
Rating Unit	percent	percent	percent	percent	percent	percent
Rating Date	6/18/08	6/18/08	6/18/08	6/24/08	6/24/08	6/24/08
Trt-Eval Interval	21 DA-A	21 DA-A	21 DA-A	27 DA-A	27 DA-A	27 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	19	20	21	22	23	24
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	1.3	0.0	1.3	0.0	0.0	0.0
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	0.0	0.0	1.3	0.0	0.0	0.0
3	Sencor	75	DF	0.67	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
4	Lorox	50	DF	1	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
5	Matrix	25	WG	1.5	oz/a	PRE	3.0	0.0	0.0	0.0	0.0	0.0
6	Outlook	6	L	14	fl oz/a	PRE	0.0	1.3	0.0	0.0	0.0	0.0
7	V-10142	75	WG	8.5	oz/a	PRE	2.3	0.0	0.0	0.0	0.0	0.0
8	Lorox	50	DF	1	lb/a	PRE	0.8	0.0	0.0	0.0	0.0	2.5
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Lorox	50	DF	1	lb/a	PRE	0.0	1.3	0.0	0.0	0.0	5.0
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Sencor	75	DF	0.125	lb/a	PRE						
10	Sencor	75	DF	0.125	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
10	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Sencor	75	DF	0.125	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
11	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE						
12	Lorox	50	DF	1	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
12	Matrix	25	WG	1	oz/a	POST						
12	Activator 90		L	0.25	% v/v	POST						
13	Lorox	50	DF	1	lb/a	PRE	0.0	2.5	2.5	0.0	0.0	1.3
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
13	Matrix	25	WG	1	oz/a	POST						
13	Sencor	75	DF	0.33	lb/a	POST						
13	Activator 90		L	0.25	% v/v	POST						
14	KIH-485	85	WG	2.37	oz ai/a	PRE	0.0	0.0	1.5	0.0	0.0	0.0
15	Non-Treated						0.0	0.0	0.0	0.0	0.0	0.0
LSD (P=.05)							2.19	2.30	2.26	0.00	0.00	2.06
Standard Deviation							1.53	1.61	1.58	0.00	0.00	1.44
CV							315.38	483.66	364.7	0.0	0.0	243.15

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Weed Code							1867	1922	1922	ATL	1867	1922
Crop Code							Inj-Color	Inj-Stunt	Inj-Color	Inj	injury	injury
Rating Data Type							percent	percent	percent	percent	percent	percent
Rating Unit							6/24/08	6/24/08	6/24/08	7/30/08	7/30/08	7/30/08
Rating Date							27 DA-A	27 DA-A	27 DA-A	57 DA-A	57 DA-A	57 DA-A
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	25	26	27	28	29	30
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	0.0	0.0	0.0	0.0	1.3	0.0
3	Sencor	75	DF	0.67	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
4	Lorox	50	DF	1	lb/a	PRE	0.0	0.0	0.0	0.0	1.3	0.0
5	Matrix	25	WG	1.5	oz/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
6	Outlook	6	L	14	fl oz/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
7	V-10142	75	WG	8.5	oz/a	PRE	0.0	0.0	0.0	0.0	1.6	0.0
8	Lorox	50	DF	1	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Lorox	50	DF	1	lb/a	PRE	0.0	3.8	0.0	0.0	0.0	0.0
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Sencor	75	DF	0.125	lb/a	PRE						
10	Sencor	75	DF	0.125	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
10	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Sencor	75	DF	0.125	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
11	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE						
12	Lorox	50	DF	1	lb/a	PRE	0.0	0.0	0.0	0.0	0.9	0.0
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
12	Matrix	25	WG	1	oz/a	POST						
12	Activator 90		L	0.25	% v/v	POST						
13	Lorox	50	DF	1	lb/a	PRE	0.0	0.0	0.0	0.0	0.0	0.0
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
13	Matrix	25	WG	1	oz/a	POST						
13	Sencor	75	DF	0.33	lb/a	POST						
13	Activator 90		L	0.25	% v/v	POST						
14	KIH-485	85	WG	2.37	oz ai/a	PRE	0.0	0.0	0.0	0.0	0.8	0.0
15	Non-Treated						0.0	0.0	0.0	1.3	0.0	0.0
LSD (P=.05)							0.00	0.92	0.00	0.93	1.83	0.00
Standard Deviation							0.00	0.65	0.00	0.65	1.28	0.00
CV							0.0	258.2	0.0	783.99	335.26	0.0

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Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

ATL count A    ATL kg/plot A    ATL Count B    ATL Kg B    ATL Count Pick-out    ATL Kg Pick-out

HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	31	32	33	34	35	36
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	50.8	6.7763	4.8	0.1025	2.8	0.2075
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	56.8	8.0188	4.0	0.0835	1.5	0.3100
3	Sencor	75	DF	0.67	lb/a	PRE	59.5	9.0013	4.5	0.0988	0.5	0.0875
4	Lorox	50	DF	1	lb/a	PRE	62.0	9.0213	3.5	0.0613	1.0	0.1150
5	Matrix	25	WG	1.5	oz/a	PRE	65.8	8.9113	3.3	0.0613	0.3	0.0500
6	Outlook	6	L	14	fl oz/a	PRE	66.5	9.3888	5.5	0.1138	0.5	0.1463
7	V-10142	75	WG	8.5	oz/a	PRE	50.0	6.8100	4.8	0.0963	0.5	0.0563
8	Lorox	50	DF	1	lb/a	PRE	58.8	9.2400	4.0	0.0813	0.3	0.0613
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Lorox	50	DF	1	lb/a	PRE	63.5	10.0913	6.3	0.1138	0.8	0.1513
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Sencor	75	DF	0.125	lb/a	PRE						
10	Sencor	75	DF	0.125	lb/a	PRE	53.8	7.9725	6.3	0.1313	1.5	0.3450
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
10	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Sencor	75	DF	0.125	lb/a	PRE	57.6	8.8302	2.8	0.0388	-0.1	-0.0132
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
11	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE						
12	Lorox	50	DF	1	lb/a	PRE	56.8	8.2100	3.5	0.0688	0.3	0.0000
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
12	Matrix	25	WG	1	oz/a	POST						
12	Activator 90		L	0.25	% v/v	POST						
13	Lorox	50	DF	1	lb/a	PRE	58.0	8.0200	4.8	0.0900	0.5	0.0700
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
13	Matrix	25	WG	1	oz/a	POST						
13	Sencor	75	DF	0.33	lb/a	POST						
13	Activator 90		L	0.25	% v/v	POST						
14	KIH-485	85	WG	2.37	oz ai/a	PRE	58.5	7.6725	5.3	0.1013	0.8	0.1925
15	Non-Treated						56.5	8.2263	5.0	0.5800	0.5	0.0725
LSD (P=.05)							14.21	2.07016	4.89	0.41114	1.93	0.30793
Standard Deviation							9.94	1.44861	3.42	0.28770	1.35	0.21548
CV							17.06	17.22	75.38	236.81	178.12	174.54

MSU Weed Science Research Program

TOLERANCE OF POTATO MINI-TUBERS TO PRE AND POST HERBICIDE APPLICATIONS, 2008

Trial ID: P0108 Study Dir.:  
 Conducted: MONTCALM RSCH STA. Investigator: Wesley Everman

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

ATL ATL 1867 1867 1867 1867  
 Count Kg Count Kg Count Kg  
 Oversize Oversize A A B B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	37	38	39	40	41	42
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	2.8	0.58750	51.3	5.6075	4.8	0.1100
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	4.5	1.56625	59.0	6.9050	7.8	0.1605
3	Sencor	75	DF	0.67	lb/a	PRE	5.8	1.86000	56.3	6.6788	4.3	0.1100
4	Lorox	50	DF	1	lb/a	PRE	3.3	1.04750	48.0	5.6763	3.5	0.0713
5	Matrix	25	WG	1.5	oz/a	PRE	3.0	0.99500	59.6	6.0081	8.7	0.2243
6	Outlook	6	L	14	fl oz/a	PRE	3.5	1.24250	55.5	5.5238	7.5	0.1600
7	V-10142	75	WG	8.5	oz/a	PRE	3.5	1.21625	38.0	2.6387	8.1	0.1672
8	Lorox	50	DF	1	lb/a	PRE	2.0	0.67375	46.5	6.0075	4.8	0.0875
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Lorox	50	DF	1	lb/a	PRE	4.5	1.23838	41.0	5.0363	5.5	0.1125
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Sencor	75	DF	0.125	lb/a	PRE						
10	Sencor	75	DF	0.125	lb/a	PRE	3.5	1.20625	50.0	6.0438	4.5	0.2638
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
10	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Sencor	75	DF	0.125	lb/a	PRE	7.3	2.46385	55.4	6.1053	4.1	0.1006
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
11	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE						
12	Lorox	50	DF	1	lb/a	PRE	2.5	0.85875	38.4	3.3986	2.8	0.0589
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
12	Matrix	25	WG	1	oz/a	POST						
12	Activator 90		L	0.25	% v/v	POST						
13	Lorox	50	DF	1	lb/a	PRE	3.3	0.96375	47.8	4.8200	5.8	0.1425
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
13	Matrix	25	WG	1	oz/a	POST						
13	Sencor	75	DF	0.33	lb/a	POST						
13	Activator 90		L	0.25	% v/v	POST						
14	KIH-485	85	WG	2.37	oz ai/a	PRE	3.8	1.27000	38.8	4.5625	5.3	0.1063
15	Non-Treated						2.8	0.86250	52.0	6.1650	3.0	0.0663
LSD (P=.05)							3.63	1.188389	13.92	2.43063	4.94	0.14644
Standard Deviation							2.54	0.831586	9.74	1.70086	3.46	0.10247
CV							68.41	69.1	19.81	31.43	64.69	79.17



MSU Weed Science Research Program

TOLERANCE OF POTATO MINI-TUBERS TO PRE AND POST HERBICIDE APPLICATIONS, 2008

Trial ID: P0108 Study Dir.:  
 Conducted: MONTCALM RSCH STA. Investigator: Wesley Everman

Weed Code

Crop Code  
 Rating Data Type 1867 1867 1867 1867 1922  
 Rating Unit Count Kg Count Kg Count  
 Rating Date Pick-out Pick-out Oversize Oversize Grade A  
 Trt-Eval Interval

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	43	44	45	46	47
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	0.0	0.0000	0.5	0.1663	43.8
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	0.3	0.0038	0.0	0.0000	42.3
3	Sencor	75	DF	0.67	lb/a	PRE	0.0	0.0000	0.3	0.0825	46.3
4	Lorox	50	DF	1	lb/a	PRE	0.3	0.0225	1.3	0.4038	48.9
5	Matrix	25	WG	1.5	oz/a	PRE	0.0	0.0022	0.1	0.0308	48.8
6	Outlook	6	L	14	fl oz/a	PRE	0.0	0.0000	0.8	0.2225	37.8
7	V-10142	75	WG	8.5	oz/a	PRE	0.0	-0.0032	0.1	0.0197	37.8
8	Lorox	50	DF	1	lb/a	PRE	0.0	0.0000	0.5	0.1688	45.5
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE					
9	Lorox	50	DF	1	lb/a	PRE	0.0	0.0000	0.5	0.1663	45.3
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE					
9	Sencor	75	DF	0.125	lb/a	PRE					
10	Sencor	75	DF	0.125	lb/a	PRE	0.0	0.0000	0.8	0.2263	42.3
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE					
10	Prowl H2O	3.8	L	0.5	pt/a	PRE					
11	Sencor	75	DF	0.125	lb/a	PRE	0.0	-0.0032	0.4	0.1013	41.5
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE					
11	Prowl H2O	3.8	L	0.5	pt/a	PRE					
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE					
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE					
12	Lorox	50	DF	1	lb/a	PRE	0.0	-0.0032	0.1	0.0197	39.5
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE					
12	Matrix	25	WG	1	oz/a	POST					
12	Activator 90		L	0.25	% v/v	POST					
13	Lorox	50	DF	1	lb/a	PRE	0.0	0.0000	0.0	0.0000	45.0
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE					
13	Matrix	25	WG	1	oz/a	POST					
13	Sencor	75	DF	0.33	lb/a	POST					
13	Activator 90		L	0.25	% v/v	POST					
14	KIH-485	85	WG	2.37	oz ai/a	PRE	0.0	0.0000	0.0	0.0000	34.8
15	Non-Treated						0.5	0.0875	2.3	0.7000	43.5

LSD (P=.05) 0.35 0.04339 1.77 0.56244 11.75  
 Standard Deviation 0.25 0.03036 1.24 0.39357 8.22  
 CV 395.58 428.6 253.03 255.82 19.2

MSU Weed Science Research Program

TOLERANCE OF POTATO MINI-TUBERS TO PRE AND POST HERBICIDE APPLICATIONS, 2008

Trial ID: P0108 Study Dir.:  
 Conducted: MONTCALM RSCH STA. Investigator: Wesley Everman

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	1922 Kg A	1922 Count B	1922 Kg B	1922 Count Pick-out	1922 Kg Pick-out	1922 Count Oversize
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	6.29625050	6.5	0.1625	0.0	0.0000	0.0
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	7.30500056	2.3	0.0538	0.0	0.0000	1.0
3	Sencor	75	DF	0.67	lb/a	PRE	7.44000128	2.3	0.0488	0.0	0.0000	0.5
4	Lorox	50	DF	1	lb/a	PRE	6.11934532	7.5	0.1779	1.3	0.1205	0.7
5	Matrix	25	WG	1.5	oz/a	PRE	6.81250068	4.3	0.1000	0.0	0.0000	0.3
6	Outlook	6	L	14	fl oz/a	PRE	4.87500049	2.5	0.0463	0.3	0.0550	1.3
7	V-10142	75	WG	8.5	oz/a	PRE	4.95875074	4.0	0.0738	0.0	0.0000	0.5
8	Lorox	50	DF	1	lb/a	PRE	6.50250118	4.0	0.0738	0.5	0.1275	1.3
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Lorox	50	DF	1	lb/a	PRE	7.19000078	3.0	0.0513	0.3	0.0350	1.5
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
9	Sencor	75	DF	0.125	lb/a	PRE						
10	Sencor	75	DF	0.125	lb/a	PRE	6.58375091	5.5	0.1450	0.0	0.0000	1.5
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
10	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Sencor	75	DF	0.125	lb/a	PRE	6.12750067	4.5	0.1175	0.0	0.0000	1.0
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
11	Prowl H2O	3.8	L	0.5	pt/a	PRE						
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE						
12	Lorox	50	DF	1	lb/a	PRE	4.94000055	2.3	0.0688	0.3	0.0425	0.5
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
12	Matrix	25	WG	1	oz/a	POST						
12	Activator 90		L	0.25	% v/v	POST						
13	Lorox	50	DF	1	lb/a	PRE	5.69625053	4.5	0.0998	0.3	0.0538	0.8
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE						
13	Matrix	25	WG	1	oz/a	POST						
13	Sencor	75	DF	0.33	lb/a	POST						
13	Activator 90		L	0.25	% v/v	POST						
14	KIH-485	85	WG	2.37	oz ai/a	PRE	4.97250034	3.0	0.0650	0.5	0.0588	0.3
15	Non-Treated						6.38750045	3.3	0.0575	0.0	0.0000	0.3
LSD (P=.05)							1.968304116	4.93	0.12280	0.90	0.11935	1.76
Standard Deviation							1.377339143	3.45	0.08593	0.63	0.08352	1.23
CV							22.41	87.42	96.09	284.84	254.08	165.02

MSU Weed Science Research Program

TOLERANCE OF POTATO MINI-TUBERS TO PRE AND POST HERBICIDE APPLICATIONS, 2008

Trial ID: P0108 Study Dir.:  
 Conducted: MONTCALM RSCH STA. Investigator: Wesley Everman

Weed Code  
 Crop Code 1922  
 Rating Data Type Kg  
 Rating Unit Oversize  
 Rating Date  
 Trt-Eval Interval

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	54
1	Dual II Magnum	7.64	L	1.33	pt/a	PRE	0.0000
2	Prowl H2O	3.8	L	1.5	pt/a	PRE	0.3950
3	Sencor	75	DF	0.67	lb/a	PRE	0.2425
4	Lorox	50	DF	1	lb/a	PRE	0.3727
5	Matrix	25	WG	1.5	oz/a	PRE	0.0963
6	Outlook	6	L	14	fl oz/a	PRE	0.5075
7	V-10142	75	WG	8.5	oz/a	PRE	0.1900
8	Lorox	50	DF	1	lb/a	PRE	0.4650
8	Dual II Magnum	7.64	L	1.33	pt/a	PRE	
9	Lorox	50	DF	1	lb/a	PRE	0.6313
9	Dual II Magnum	7.64	L	1.33	pt/a	PRE	
9	Sencor	75	DF	0.125	lb/a	PRE	
10	Sencor	75	DF	0.125	lb/a	PRE	0.6250
10	Dual II Magnum	7.64	L	1.33	pt/a	PRE	
10	Prowl H2O	3.8	L	0.5	pt/a	PRE	
11	Sencor	75	DF	0.125	lb/a	PRE	0.3975
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE	
11	Prowl H2O	3.8	L	0.5	pt/a	PRE	
11	Roundup WeatherMax	4.5	L	22	fl oz/a	PRE	
11	Ammonium Sulfate	100	DF	17	lb/100 gal	PRE	
12	Lorox	50	DF	1	lb/a	PRE	0.1950
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE	
12	Matrix	25	WG	1	oz/a	POST	
12	Activator 90		L	0.25	% v/v	POST	
13	Lorox	50	DF	1	lb/a	PRE	0.3288
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE	
13	Matrix	25	WG	1	oz/a	POST	
13	Sencor	75	DF	0.33	lb/a	POST	
13	Activator 90		L	0.25	% v/v	POST	
14	KIH-485	85	WG	2.37	oz ai/a	PRE	0.1075
15	Non-Treated						0.1150
LSD (P=.05)							0.73736
Standard Deviation							0.51597
CV							165.77