

Herbicide Effect on Growth Cracks in Production Potato, 2009

Trial ID: P1409
 Conducted: WALTHER FARM

Study Dir.: Andy Chomas
 Investigator: Christy Sprague

Date Planted: 4/27/09
 Variety: FL 2053
 Population:
 Soil Type:
 Plot Size: 10 X 25 FT

Row Spacing: IN
 No. of Reps: 3
 % OM
 pH:
 Design: FACTORIAL

Application Description

	A	B
Application Timing:	PRE	
Date Treated:	4/29/09	
Time Treated:	6:00 PM	
% Cloud Cover:	100	
Air Temp., Unit:	62 F	
% Relative Humidity:	55	
Wind Speed/Unit/Dir:	5 mph	
Soil Temp., Unit:	59 F	
Soil/Leaf Surface M:	2	
Soil Moist (1=w 5=d):	3	

Crop Stage at Each Application

	A	B
Crop Name:	SOLTU	SOLTU

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type
A	BKPK	3.5	XR8003

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Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU	SOLTU
<1 7/8"	<1 7/8"	PO crack	PO crack	PickOut	PickOut	oversize	oversize	Grade A	Grade A		
kilogram	count	kilogram	count	kilogram	count	kilogram	count	kilogram	count		
9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09	9/22/09
HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6	7	8	9	10
1	Dual Magnum	7.62	EC	1.33	pt/a	PRE	1.0883	23	0.1783	1	1.1167	3	7.3550	38	26.8917	146
1	Sencor	75	DF	0.33	lb/a	PRE										
1	Prowl H2O	3.8	L	0.5	pt/a	PRE										
1	Sencor	75	DF	0.33	lb/a	POST										
1	Activator 90		L	0.25	% v/v	POST										
2	Dual Magnum	7.62	EC	1.33	pt/a	PRE	1.0883	26	0.3533	2	0.5833	4	5.9583	14	29.5517	173
2	Sencor	75	DF	0.33	lb/a	PRE										
2	Prowl H2O	3.8	L	0.5	pt/a	PRE										
2	Matrix	25	WG	1	oz/a	POST										
2	Activator 90		L	0.25	% v/v	POST										
3	Dual Magnum	7.62	EC	1.33	pt/a	PRE	1.3467	30	0.0000	0	0.5233	2	8.4517	20	21.1100	132
3	Sencor	75	DF	0.33	lb/a	PRE										
3	Prowl H2O	3.8	L	0.5	pt/a	PRE										
3	Sencor	75	DF	0.33	lb/a	POST										
3	Matrix	25	WG	1	oz/a	POST										
3	Activator 90		L	0.25	% v/v	POST										
4	Dual Magnum	7.62	EC	1.33	pt/a	PRE	1.0583	26	0.0367	0	0.4567	2	7.9307	18	26.0750	148
4	Sencor	75	DF	0.33	lb/a	PRE										
4	Prowl H2O	3.8	L	0.5	pt/a	PRE										
4	Non-Treated															
5	Dual Magnum	7.62	EC	1.33	pt/a	PRE	1.4333	34	0.2683	1	0.2950	2	6.7550	16	26.9550	158
5	Sencor	75	DF	0.33	lb/a	PRE										
5	Lorox	50	DF	1	lb/a	PRE										
5	Sencor	75	DF	0.33	lb/a	POST										
5	Activator 90		L	0.25	% v/v	POST										
6	Dual Magnum	7.62	EC	1.33	pt/a	PRE	1.1833	28	0.1233	1	0.2250	1	7.1283	16	27.3717	152
6	Sencor	75	DF	0.33	lb/a	PRE										
6	Lorox	50	DF	1	lb/a	PRE										
6	Matrix	25	WG	1	oz/a	POST										
6	Activator 90		L	0.25	% v/v	POST										
7	Dual Magnum	7.62	EC	1.33	pt/a	PRE	1.2733	29	0.1300	1	0.5733	2	8.5983	21	25.3343	152
7	Sencor	75	DF	0.33	lb/a	PRE										
7	Lorox	50	DF	1	lb/a	PRE										
7	Sencor	75	DF	0.33	lb/a	POST										
7	Matrix	25	WG	1	oz/a	POST										
7	Activator 90		L	0.25	% v/v	POST										
8	Dual Magnum	7.62	EC	1.33	pt/a	PRE	1.4050	33	0.2167	1	0.1800	1	8.4500	20	26.7833	139
8	Sencor	75	DF	0.33	lb/a	PRE										
8	Lorox	50	DF	1	lb/a	PRE										
8	Non-Treated															
LSD (P=.05)							0.62612	14.1	0.27651	0.9	0.64673	3.1	4.28312	16.9	7.13250	51.0
Standard Deviation							0.35750	8.1	0.15788	0.5	0.36927	1.8	2.44556	9.7	4.07249	29.1
CV							28.96	28.29	96.66	81.01	74.73	83.11	32.27	47.28	15.51	19.42

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Weed Code										
Crop Code						SOLTU	SOLTU	SOLTU	SOLTU	SOLTU
Rating Data Type						dry	wet	SPEC. GRAV.	HH	VD
Rating Unit									0-10	0-10
Rating Date						9/22/09	9/22/09	9/22/09	9/22/09	9/22/09
Trt-Eval Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	11	12	13	14	15
1	Dual Magnum	7.62	EC	1.33	pt/a	PRE	11.2733	0.97166673	1.0942961	0.0	0.3
1	Sencor	75	DF	0.33	lb/a	PRE					
1	Prowl H2O	3.8	L	0.5	pt/a	PRE					
1	Sencor	75	DF	0.33	lb/a	POST					
1	Activator 90		L	0.25	% v/v	POST					
2	Dual Magnum	7.62	EC	1.33	pt/a	PRE	10.3500	0.90833339	1.0962595	0.3	1.3
2	Sencor	75	DF	0.33	lb/a	PRE					
2	Prowl H2O	3.8	L	0.5	pt/a	PRE					
2	Matrix	25	WG	1	oz/a	POST					
2	Activator 90		L	0.25	% v/v	POST					
3	Dual Magnum	7.62	EC	1.33	pt/a	PRE	10.3150	0.90416679	1.0960938	1.0	1.0
3	Sencor	75	DF	0.33	lb/a	PRE					
3	Prowl H2O	3.8	L	0.5	pt/a	PRE					
3	Sencor	75	DF	0.33	lb/a	POST					
3	Matrix	25	WG	1	oz/a	POST					
3	Activator 90		L	0.25	% v/v	POST					
4	Dual Magnum	7.62	EC	1.33	pt/a	PRE	9.8217	0.82283344	1.0906361	1.0	2.0
4	Sencor	75	DF	0.33	lb/a	PRE					
4	Prowl H2O	3.8	L	0.5	pt/a	PRE					
4	Non-Treated										
5	Dual Magnum	7.62	EC	1.33	pt/a	PRE	9.1333	0.77716674	1.0925081	0.0	2.0
5	Sencor	75	DF	0.33	lb/a	PRE					
5	Lorox	50	DF	1	lb/a	PRE					
5	Sencor	75	DF	0.33	lb/a	POST					
5	Activator 90		L	0.25	% v/v	POST					
6	Dual Magnum	7.62	EC	1.33	pt/a	PRE	11.4300	0.99816684	1.0956647	1.7	0.7
6	Sencor	75	DF	0.33	lb/a	PRE					
6	Lorox	50	DF	1	lb/a	PRE					
6	Matrix	25	WG	1	oz/a	POST					
6	Activator 90		L	0.25	% v/v	POST					
7	Dual Magnum	7.62	EC	1.33	pt/a	PRE	9.4983	0.81066682	1.0933971	2.0	0.7
7	Sencor	75	DF	0.33	lb/a	PRE					
7	Lorox	50	DF	1	lb/a	PRE					
7	Sencor	75	DF	0.33	lb/a	POST					
7	Matrix	25	WG	1	oz/a	POST					
7	Activator 90		L	0.25	% v/v	POST					
8	Dual Magnum	7.62	EC	1.33	pt/a	PRE	8.5133	0.73633344	1.0949454	2.0	0.0
8	Sencor	75	DF	0.33	lb/a	PRE					
8	Lorox	50	DF	1	lb/a	PRE					
8	Non-Treated										
LSD (P=.05)							1.72637	0.167378502	0.00567225	2.21	1.84
Standard Deviation							0.98572	0.095569218	0.00323872	1.26	1.05
CV							9.82	11.03	0.3	126.3	104.94

ARM Action Codes

T1 = ([11])/([11]-[12])