

Closest Weather Station: Northeast Research Station

Distance: 0.5

Unit: MI

Date	Amount	Unit	Type
1. 2/May/07	0.04	IN	
2. 3/May/07	1.24	IN	
3. 13/May/07			FLUSH
4. 15/May/07	0.02	IN	
5. 16/May/07	0.01	IN	
6. 17/May/07	0.01	IN	
7. 21/May/07			FLUSH
8. 3/Jun/07	0.02	IN	
9. 12/Jun/07			FERTILIZE - 300# prilled urea
10. 12/Jun/07			FLOOD
11. 16/Jun/07	0.01	IN	
12. 18/Jun/07	0.02	IN	
13. 19/Jun/07	0.4	IN	
14. 2/Jul/07	0.3	IN	
15. 3/Jul/07	0.06	IN	
16. 4/Jul/07	1.14	IN	
17. 5/Jul/07	0.31	IN	
18. 6/Jul/07	0.27	IN	
19. 7/Jul/07	1.39	IN	
20. 9/Jul/07	0.36	IN	
21. 10/Jul/07	0.01	IN	
22. 11/Jul/07	0.27	IN	
23. 13/Jul/07	0.3	IN	
24. 14/Jul/07	1.96	IN	
25. 15/Jul/07	2.8	IN	
26. 17/Jul/07	1.56	IN	
27. 20/Jul/07	0.93	IN	
28. 21/Jul/07	0.1	IN	
29. 22/Jul/07	0.01	IN	
30. 30/Jul/07	2.35	IN	

Application Description

	A	B
Application Date:	29/May/07	8/Jun/07
Application Method:	SPRAY	SPRAY
Application Timing:	2-3 LF	GR 4-6 LF GR
Application Placement:	BROFOL	BROFOL
Air Temperature, Unit:	84 F	85 F
% Relative Humidity:	62	71
Wind Velocity, Unit:	6 MPH	6 MPH
Wind Direction:	E	
Soil Temperature, Unit:	82 F	83 F
% Cloud Cover:		10

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ORYSA	BRICOR YSA BRIC
Stage Scale Used:	2-3 LF	5-6 lf
Stage Majority, Percent:	4-5 "	6-8"

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ECHCG	WECHCG W
Stage Majority, Percent:	4-5 LF	1-2 T
Stage Minimum, Percent:	1"	6"
Stage Maximum, Percent:	1.5"	
Pest 2 Code, Disc., Scale:	CYPCP	WCYPCP W
Stage Majority, Percent:	1-2 LF	4-6 lf
Stage Minimum, Percent:	.5"	2"

Stage Maximum, Percent: .5"
 Pest 3 Code, Disc., Scale: SEBEX WSEBEX W
 Stage Majority, Percent: 2-3 LF Multip
 Stage Minimum, Percent: 1" 6"
 Pest 4 Code, Disc., Scale: CYPES WCYPES W
 Stage Majority, Percent: 6-8 LF
 Stage Minimum, Percent: 6"
 Stage Maximum, Percent: 8"

Application Equipment

	A	B
Appl. Equipment:	Backpack	Backpack
Operating Pressure, Unit:	31 PSI	31 PSI
Nozzle Type:	Greenleaf	Greenleaf
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:	2	2
Ground Speed, Unit:	2.8 MPH	2.8 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC
Propellant:	CO2	CO2

LSU Northeast Research Station

Effect of pendimethalin formulation and an emulsifer on annual grass control with Newpath.

Trial ID: SJ07R006

Protocol ID: SJ07R006

Location:

Study Director:

Investigator: Bill Williams

Pest Type	ECHCG ECHCG ECHCG ECHCG ECHCG						
Pest Code							
Crop Code							
Part Rated	PLTOT	PPLTOT	PPLTOT	PPLTOT	PPLTOT		
Rating Date	8/Jun/07	14/Jun/07	22/Jun/07	6/Jul/07	3/Aug/07		
Rating Data Type	Control	Control	Control	Control	Control		
Rating Unit	%	%	%	%	%		
Trt-Eval Interval	10 DA-A	6 DA-B	14 DA-B	28 DA-B	56 DA-B		
Trt Treatment	Rate	Growth					
No. Name	RateUnit	Stage	1	2	3	4	5
1 2-3 leaf grass		57	d 30	d30	c 0	b 0	a
Newpath	4 OZ/A						
Activator 90	0.25 % V/V						
2 2-3 leaf grass		67	c 57	b 30	c 0	b 0	a
Newpath	4 OZ/A						
Aromatic 2000	0.25 % V/V						
Activator 90	0.25 % V/V						
3 2-3 leaf grass		67	c 57	b 30	c 30	a 0	a
Newpath	4 OZ/A						
Aromatic 2000	0.5 % V/V						
Activator 90	0.25 % V/V						
4 2-3 leaf grass		77	b 80	a 30	c 30	a 0	a
Newpath	4 OZ/A						
Aromatic 2000	0.75 % V/V						
Activator 90	0.25 % V/V						
5 2-3 leaf grass		78	ab 80	a 30	c 30	a 0	a
Newpath	4 OZ/A						
Aromatic 200	1 % V/V						
Activator 90	0.25 % V/V						
6 2-3 leaf grass		83	a 78	a 57	b 30	a 0	a
Newpath	4 OZ/A						
Prowl H2O	1 LB A/A						
Activator 90	0.25 % V/V						
7 2-3 leaf grass		83	a 77	a 87	a 30	a 0	a
Newpath	4 OZ/A						
Prowl EC	1 LB A/A						
Activator 90	0.25 % V/V						
8 4-6 leaf grass		0	e 47	c 30	c 30	a 0	a
Newpath	4 OZ/A						
Activator 90	0.25 % V/V						

9	4-6 leaf grass Newpath 4 OZ/A Aromatic 200 0.25 % V/V Activator 90 0.25 % V/V	0	e 47	c 67	b 30	a 0	a
10	4-6 leaf grass Newpath 4 OZ/A Aromatic 200 0.5 % V/V Activator 90 0.25 % V/V	0	e 43	c 57	b 30	a 0	a
11	4-6 leaf grass Newpath 4 OZ/A Aromatic 200 0.75 % V/V Activator 90 0.25 % V/V	0	e 43	c 57	b 30	a 0	a
12	4-6 leaf grass Newpath 4 OZ/A Aromatic 200 1 % V/V Activator 90 0.25 % V/V	0	e 43	c 83	a 30	a 0	a
13	4-6 leaf grass Newpath 4 OZ/A Prowl H2O 1 LB A/A Activator 90 0.25 % V/V	0	e 43	c 67	b 30	a 0	a
14	4-6 leaf grass Newpath 4 OZ/A Prowl EC 1 LB A/A Activator 90 0.25 % V/V	0	e 47	c 67	b 30	a 0	a
LSD (P=.10)		4.4	4.9	11.1	0.0	0.0	
Standard Deviation		3.2	3.5	8.0	0.0	0.0	
CV		8.62	6.34	15.55	0.0	0.0	
Grand Mean		36.55	55.12	51.43	25.71	0.0	
Bartlett's X2		1.096	2.239	12.654	0.0	0.0	
P(Bartlett's X2)		0.982	0.999	0.081	.	.	
Replicate F		7.968	35.397	6.817	0.000	0.000	
Replicate Prob(F)		0.0020	0.0001	0.0042	1.0000	1.0000	
Treatment F		448.318	68.843	20.917	0.000	0.000	
Treatment Prob(F)		0.0001	0.0001	0.0001	1.0000	1.0000	

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Pest Type					
Pest Code		ECHCG	ECHCG	ECHCG	ECHCG
Crop Code					
Part Rated		PLTOT	PPLTOT	PPLTOT	PPLTOT
Rating Date		8/Jun/07	14/Jun/07	22/Jun/07	6/Jul/07
Rating Data Type		Control	Control	Control	Control
Rating Unit		%	%	%	%
Trt-Eval Interval		10 DA-A	6 DA-B	14 DA-B	28 DA-B
Trt Treatment	Rate	Growth			
No.Name	RateUnit	Stage	1	2	3
			4	5	

Means followed by same letter do not significantly differ (P=.10, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.