

North Carolina State University

Dollarweed Control in Turf

Trial ID: 02-T27

Study Dir.: Jason Hinton

Location: Wrightsville Beach Investigator: Fred Yelverton

APPLICATION EQUIPMENT

	A
Appl. Equipment:	CO2 Spray
Operating Pressure:	36 PSI
Nozzle Type:	Flat Fan
Nozzle Size:	8002 XR
Nozzle Spacing, Unit:	10 Inch
Boom Height, Unit:	10 Inch
Ground Speed, Unit:	3 MPH
Carrier:	Water
Spray Volume, Unit:	32.5 GPA
Propellant:	Compr.CO2

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								HYDspp CONTROL %	HYDspp CONTROL %	HYDspp CONTROL %			
								07-17-02	07-24-02	07-31-02			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Product Rate	Product Rate	Unit Unit	Grow Stg	Appl Code			
1	UHS-308	L		4.0	PT/A				Post	A	98.3 a	100.0 a	100.0 a
	PCC-1174	L		1.0	% V/V				Post	A			
	LI-700	L		0.25	% V/V				Post	A			
2	UHS-308	L		3.0	PT/A				Post	A	97.3 a	97.5 b	98.3 a
	PCC-1174	L		1.0	% V/V				Post	A			
	LI-700	L		0.25	% V/V				Post	A			
3	UHS-308	L		2.0	PT/A				Post	A	93.8 b	98.5 ab	94.8 b
	PCC-1174	L		1.0	% V/V				Post	A			
	LI-700	L		0.25	% V/V				Post	A			
4	MEC Amine D	L		3.5	PT/A				Post	A	98.0 a	99.8 ab	98.3 a
	LI-700	L		0.25	% V/V				Post	A			
5	Trimec Classic	3.32	L	3.5	PT/A				Post	A	97.0 a	99.8 ab	98.5 a
6	Horsepower	4.5	L	2.5	PT/A				Post	A	98.5 a	98.8 ab	98.8 a
7	Millenium Ultra	3.75	L	2.5	PT/A				Post	A	98.3 a	100.0 a	99.8 a
8	Nontreated										0.0 c	0.0 c	0.0 c
LSD (P=.05)								3.17	2.37	2.90			
Standard Deviation								2.15	1.61	1.97			
CV								2.53	1.86	2.29			
Bartlett's X2								0.26	11.814	7.509			
P(Bartlett's X2)								1.00	0.019*	0.185			
Replicate F								1.206	0.973	2.179			
Replicate Prob(F)								0.3321	0.4243	0.1206			
Treatment F								1023.902	1890.866	1249.519			
Treatment Prob(F)								0.0001	0.0001	0.0001			

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code							HYDspp	HYDspp	HYDspp
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Rating Date							08-14-02	08-28-02	09-11-02
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	
1	UHS-308	L		4.0 PT/A			Post	A	99.8 ab
	PCC-1174	L		1.0 % V/V			Post	A	99.8 a
	LI-700	L		0.25 % V/V			Post	A	99.8 a
2	UHS-308	L		3.0 PT/A			Post	A	97.0 ab
	PCC-1174	L		1.0 % V/V			Post	A	96.3 b
	LI-700	L		0.25 % V/V			Post	A	98.3 ab
3	UHS-308	L		2.0 PT/A			Post	A	96.0 b
	PCC-1174	L		1.0 % V/V			Post	A	97.3 ab
	LI-700	L		0.25 % V/V			Post	A	95.0 b
4	MEC Amine D	L		3.5 PT/A			Post	A	97.3 ab
	LI-700	L		0.25 % V/V			Post	A	100.0 a
5	Trimec Classic	3.32 L		3.5 PT/A			Post	A	98.5 ab
6	Horsepower	4.5 L		2.5 PT/A			Post	A	100.0 a
7	Millenium Ultra	3.75 L		2.5 PT/A			Post	A	98.5 ab
8	Nontreated								97.5 ab
									99.3 ab
									96.0 ab
									0.0 c
									0.0 c
									0.0 c
LSD (P=.05)							3.87	3.46	4.24
Standard Deviation							2.63	2.35	2.88
CV							3.06	2.74	3.38
Bartlett's X2							17.648	9.958	10.215
P(Bartlett's X2)							0.003*	0.076	0.116
Replicate F							1.038	1.310	0.355
Replicate Prob(F)							0.3963	0.2976	0.7860
Treatment F							697.019	868.903	572.082
Treatment Prob(F)							0.0001	0.0001	0.0001

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Trial Comments