

9. 14/Apr/070.39 IN
 10. 18/Apr/070.11 IN
 11. 25/Apr/071.37 IN
 12. 26/Apr/070.41 IN
 13. 2/May/07 0.04 IN
 14. 3/May/07 1.24 IN
 15. 15/May/070.02 IN
 16. 16/May/070.01 IN
 17. 17/May/070.01 IN
 18. 3/Jun/07 0.02 IN
 19. 16/Jun/070.01 IN
 20. 18/Jun/070.02 IN
 21. 19/Jun/070.4 IN
 22. 2/Jul/07 0.3 IN
 23. 3/Jul/07 0.06 IN
 24. 4/Jul/07 1.14 IN
 25. 5/Jul/07 0.31 IN
 26. 6/Jul/07 0.27 IN
 27. 7/Jul/07 1.39 IN
 28. 9/Jul/07 0.36 IN
 29. 10/Jul/070.01 IN
 30. 11/Jul/070.27 IN
 31. 13/Jul/070.3 IN
 32. 14/Jul/071.96 IN
 33. 15/Jul/072.8 IN
 34. 17/Jul/071.56 IN
 35. 20/Jul/070.93 IN
 36. 21/Jul/070.1 IN
 37. 22/Jul/070.01 IN
 38. 30/Jul/072.35 IN

Application Description

A

Application Date: 27/Apr/07
Application Method: SPRAY
Application Timing: V2
Application Placement: BROFOL
Air Temperature, Unit: 74 F
% Relative Humidity: 43
Wind Velocity, Unit: 2.4 MPH
Wind Direction: NW
Soil Temperature, Unit: 76 F
% Cloud Cover: 0

Crop Stage At Each Application

A

Crop 1 Code, BBCH Scale: ZEAMX BCOR
Stage Scale Used: BBCH
Stage Majority, Percent: 9"
Stage Maximum, Percent: 9"

Pest Stage At Each Application

A

Pest 1 Code, Disc., Scale: BRAPP W
Stage Majority, Percent: 3-4 LF
Stage Minimum, Percent: 1"
Stage Maximum, Percent: 1"
Pest 2 Code, Disc., Scale: ABUTH W
Stage Majority, Percent: 1 LF
Stage Minimum, Percent: .5"
Stage Maximum, Percent: 1"

Application Equipment

A

Appl. Equipment: Tractor
Operating Pressure, Unit: 40 psi
Nozzle Type: Greenleaf
Nozzle Size: 11002
Nozzle Spacing, Unit: 20 in
Nozzles/Row: 2
Carrier: Water

LSU Northeast Research Station

Effect of tankmixing Roundup and Steadfast with residual herbicides on annual grass control in corn.

Trial ID: SJ07C021

Protocol ID: SJ07C021

Location:

Study Director:

Investigator: Bill Williams

Pest Type	A. GRASS A. GRASS A. GRASS BRAPP						
Pest Code							
Crop Code							
Part Rated	PLATOT P PLATOT P PLATOT P PLATOT P						
Rating Date	11/May/07 25/May/07 25/Jun/07 15/Aug/07						
Rating Data Type	CONTROL CONTROL CONTROL CONTROL						
Rating Unit	%						
Trt-Eval Interval	14 DA-A 28 DA-A 59 DA-A 110 DA-A						
Trt Treatment	Rate	Growth					
No. Name	Rate Unit	Stage	1	2	3	4	
1 Roundup Weathermax	22 OZ/A	VEPOST	95	a88	a83	a67	c
Atrazine	1.5 QT/A	VEPOST					
2 Roundup Weathermax	22 OZ/A	VEPOST	95	a92	a92	a92	a
Prowl H2O	2.1 PT/A	VEPOST					
Atrazine	1.5 QT/A	VEPOST					
3 Roundup Weathermax	22 OZ/A	VEPOST	95	a90	a87	a30	e
Prowl H2O	3.2 PT/A	VEPOST					
Atrazine	1.5 QT/A	VEPOST					
4 Roundup Weathermax	22 OZ/A	VEPOST	95	a90	a90	a92	a
Duall II Magnum	0.8 PT/A	VEPOST					
Atrazine	1.5 QT/A	VEPOST					
5 Roundup Weathermax	22 OZ/A	VEPOST	95	a93	a93	a53	d
Duall II Magnum	1.3 PT/A	VEPOST					
Atrazine	1.5 QT/A	VEPOST					
6 Roundup Weathermax	22 OZ/A	VEPOST	95	a77	b83	a30	e
No residual							
7 Steadfast	0.75 OZ/A	VEPOST	95	a92	a92	a77	b
COC	1 % V/V	VEPOST					
Atrazine	1.5 QT/A	VEPOST					
8 Steadfast	0.75 OZ/A	VEPOST	95	a88	a88	a78	b
COC	1 % V/V	VEPOST					
Prowl H2O	2.1 PT/A	VEPOST					
Atrazine	1.5 QT/A	VEPOST					
9 Steadfast	0.75 OZ/A	VEPOST	95	a93	a93	a80	b
COC	1 % V/V	VEPOST					
Prowl H2O	3.2 PT/A	VEPOST					
Atrazine	1.5 QT/A	VEPOST					
10 Steadfast	0.75 OZ/A	VEPOST	95	a92	a88	a90	a
COC	1 % V/V	VEPOST					
Duall II Magnum	0.8 PT/A	VEPOST					

	Atrazine	1.5 QT/A VEPOST					
11	Steadfast	0.75 OZ/A VEPOST95	a92	a 92	a85	ab	
	COC	1 % V/V VEPOST					
	Duall II Magnum	1.3 PT/A VEPOST					
	Atrazine	1.5 QT/A VEPOST					
12	Steadfast	0.75 OZ/A VEPOST95	a88	a 85	a77	b	
	COC	1 % V/V VEPOST					
	No residual						
LSD (P=.10)			0.0	6.4	7.5	7.4	
Standard Deviation			0.0	4.6	5.3	5.3	
CV			0.0	5.12	5.99	7.45	
Grand Mean			95.0	89.58	88.89	70.83	
Bartlett's X2			0.0	6.775	6.811	3.447	
P(Bartlett's X2)			.	0.747	0.814	0.903	
Replicate F			0.000	0.099	1.641	0.075	
Replicate Prob(F)			1.0000	0.9061	0.2166	0.9281	
Treatment F			0.000	2.820	1.408	51.946	
Treatment Prob(F)			1.0000	0.0185	0.2377	0.0001	

LSU Northeast Research Station

Pest Type	A. GRASS A. GRASS A. GRASS BRAPP			
Pest Code				
Crop Code				
Part Rated	PLATOT P PLATOT P PLATOT P PLATOT P			
Rating Date	11/May/07	25/May/07	25/Jun/07	15/Aug/07
Rating Data Type	CONTROL CONTROL CONTROL CONTROL			
Rating Unit	%	%	%	%
Trt-Eval Interval	14 DA-A	28 DA-A	59 DA-A	110 DA-A
Trt Treatment	Rate	Growth		
No. Name	Rate Unit	Stage	1	2
			3	4

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.

LSU Northeast Research Station

Pest Type	ECHCG DIGSA SETFA					
Pest Code						
Crop Code						
Part Rated	PLATOT P PLATOT P PLATOT P					
Rating Date	15/Aug/07 15/Aug/07 15/Aug/07					
Rating Data Type	CONTROL CONTROL CONTROL					
Rating Unit	%					
Trt-Eval Interval	110 DA-A 110 DA-A 110 DA-A					
Trt Treatment	Rate	Growth				
No. Name	Rate Unit	Stage	5	6	7	
1 Roundup Weathermax	22 OZ/A	VEPOST	30	e 90	a 92	a
Atrazine	1.5 QT/A	VEPOST				
2 Roundup Weathermax	22 OZ/A	VEPOST	37	d 88	a 88	a
Prowl H2O	2.1 PT/A	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
3 Roundup Weathermax	22 OZ/A	VEPOST	77	b 90	a 90	a
Prowl H2O	3.2 PT/A	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
4 Roundup Weathermax	22 OZ/A	VEPOST	92	a 92	a 92	a
Duall II Magnum	0.8 PT/A	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
5 Roundup Weathermax	22 OZ/A	VEPOST	92	a 92	a 92	a
Duall II Magnum	1.3 PT/A	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
6 Roundup Weathermax	22 OZ/A	VEPOST	47	c 57	b 47	b
No residual						
7 Steadfast	0.75 OZ/A	VEPOST	92	a 92	a 92	a
COC	1 % V/V	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
8 Steadfast	0.75 OZ/A	VEPOST	92	a 93	a 92	a
COC	1 % V/V	VEPOST				
Prowl H2O	2.1 PT/A	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
9 Steadfast	0.75 OZ/A	VEPOST	90	a 93	a 92	a
COC	1 % V/V	VEPOST				
Prowl H2O	3.2 PT/A	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
10 Steadfast	0.75 OZ/A	VEPOST	93	a 85	a 92	a
COC	1 % V/V	VEPOST				
Duall II Magnum	0.8 PT/A	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
11 Steadfast	0.75 OZ/A	VEPOST	92	a 90	a 90	a
COC	1 % V/V	VEPOST				
Duall II Magnum	1.3 PT/A	VEPOST				
Atrazine	1.5 QT/A	VEPOST				
12 Steadfast	0.75 OZ/A	VEPOST	80	b 92	a 92	a
COC	1 % V/V	VEPOST				

No residual			
LSD (P=.10)	6.4	12.7	3.3
Standard Deviation	4.6	9.1	2.4
CV	6.03	10.32	2.71
Grand Mean	75.97	87.78	87.36
Bartlett's X2	9.418	28.848	2.176
P(Bartlett's X2)	0.308	0.001*	0.988
Replicate F	0.928	0.769	8.281
Replicate Prob(F)	0.4104	0.4754	0.0021
Treatment F	81.503	3.696	88.303
Treatment Prob(F)	0.0001	0.0044	0.0001

LSU Northeast Research Station

Pest Type				
Pest Code		ECHCG	DIGSA	SETFA
Crop Code				
Part Rated		PLATOT P	PLATOT P	PLATOT P
Rating Date		15/Aug/07	15/Aug/07	15/Aug/07
Rating Data Type		CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%
Trt-Eval Interval		110 DA-A	110 DA-A	110 DA-A
Trt Treatment	Rate	Growth		
No. Name	Rate Unit	Stage	5	6
				7

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.