

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
39. 31/Mar/070.25 IN
40. 1/Apr/07 0.01 IN
41. 2/Apr/07 0.01 IN
42. 3/Apr/07 0.09 IN
43. 4/Apr/07 0.19 IN
44. 7/Apr/07 0.14 IN
45. 8/Apr/07 0.1 IN
46. 10/Apr/071.01 IN
47. 14/Apr/070.39 IN
48. 18/Apr/070.11 IN
49. 25/Apr/071.37 IN
50. 26/Apr/070.41 IN
51. 2/May/07 0.04 IN
52. 3/May/07 1.24 IN
53. 15/May/070.02 IN
54. 16/May/070.01 IN
55. 17/May/070.01 IN
56. 3/Jun/07 0.02 IN
57. 16/Jun/070.01 IN
58. 18/Jun/070.02 IN
59. 19/Jun/070.4 IN
60. 2/Jul/07 0.3 IN
61. 3/Jul/07 0.06 IN
62. 4/Jul/07 1.14 IN
63. 5/Jul/07 0.31 IN
64. 6/Jul/07 0.27 IN
65. 7/Jul/07 1.39 IN
66. 9/Jul/07 0.36 IN
67. 10/Jul/070.01 IN
68. 11/Jul/070.27 IN
69. 13/Jul/070.3 IN
70. 14/Jul/071.96 IN
71. 15/Jul/072.8 IN

72.17/Jul/071.56 IN
73.20/Jul/070.93 IN
74.21/Jul/070.1 IN
75.22/Jul/070.01 IN
76.30/Jul/072.35 IN

Application Description

A

Application Date: 26/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: V2
Stage Majority, Percent: 9"

Pest Stage At Each Application

A

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

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

Influence of tank mixing Callisto with selected herbicides on weed control in corn.

Trial ID: SJ07C022

Protocol ID: SJ07C022

Location:

Study Director:

Investigator: Bill Williams

Pest Type									
Pest Code	BRAPP	BRAPP	BRAPP	BRAPP	BRAPP	SEBEX			
Crop Code									
Part Rated	PLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT P			
Rating Date	2/May/07	10/May/07	24/May/07	21/Jun/07	15/Aug/07	2/May/07			
Rating Data Type	Control	Control	Control	Control	Control	Control			
Rating Unit	%	%	%	%	%	%			
Trt-Eval Interval	6 DA-A	14 DA-A	28 DA-A	56 DA-A	111 DA-A	6 DA-A			
Trt Treatment	Rate	Growth							
No. Name	Rate Unit	Stage	1	2	3	4	5	6	
1 Callisto	3 OZ/A	EPOST93		a95	a90	a83	a73	ab80	a
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/V	EPOST							
2 Callisto	3 OZ/A	EPOST92		a95	a90	a87	a73	ab77	a
Accent	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/V	EPOST							
3 Callisto	3 OZ/A	EPOST90		a95	a90	a90	a80	a80	a
Resolve	1.0 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/V	EPOST							
4 Callisto	3 OZ/A	EPOST90		a95	a90	a90	a77	ab80	a
Steadfast	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/V	EPOST							
5 Callisto	3 OZ/A	EPOST88		a95	a88	a83	a77	ab80	a
Stout	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/V	EPOST							
6 Callisto	3 OZ/A	EPOST90		a95	a85	b87	a63	c80	a
Option	1.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/V	EPOST							
7 Callisto	1.5 OZ/A	EPOST93		a95	a90	a83	a77	ab80	a
Accent	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/V	EPOST							
8 Callisto	1.5 OZ/A	EPOST87		a95	a90	a90	a77	ab82	a
Resolve	1.0 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							

	COC	1	% V/VEPOST							
9	Callisto	1.5	OZ/A EPOST90	a 95	a 90	a 90	a 77	ab 83	a	
	Steadfast	0.5	OZ/A EPOST							
	Atrazine	1.5	QT/A EPOST							
	COC	1	% V/VEPOST							
10	Callisto	1.5	OZ/A EPOST93	a 95	a 90	a 80	a 77	ab 77	a	
	Stout	0.5	OZ/A EPOST							
	Atrazine	1.5	QT/A EPOST							
	COC	1	% V/VEPOST							
11	Callisto	1.5	OZ/A EPOST90	a 95	a 88	a 83	a 67	bc 80	a	
	Option	1.5	OZ/A EPOST							
	Atrazine	1.5	QT/A EPOST							
	COC	1	% V/VEPOST							
12	Steadfast	0.75	OZ/A EPOST90	a 95	a 88	a 90	a 77	ab 80	a	
	Atrazine	1.5	QT/A EPOST							
	COC	1	% V/VEPOST							
13	Accent	0.66	OZ/A EPOST92	a 95	a 88	a 83	a 77	ab 70	a	
	Atrazine	1.5	QT/A EPOST							
	COC	1	% V/VEPOST							
14	nontreated		0	b 0	b 0	c 0	b 0	d 0	b	
	LSD (P=.10)		3.4	0.0	2.1	5.8	6.1	7.5		
	Standard Deviation		2.5	0.0	1.5	4.2	4.4	5.4		
	CV		2.93	0.0	1.81	5.21	6.33	7.35		
	Grand Mean		84.17	88.21	82.74	80.0	69.29	73.45		
	Bartlett's X2		2.053	0.0	0.0	0.0	0.0	6.942		
	P(Bartlett's X2)		0.915	.	.	1.00	.	0.139		
	Replicate F		0.684	0.000	1.857	0.411	7.800	1.000		
	Replicate Prob(F)		0.5133	1.0000	0.1762	0.6675	0.0022	0.3816		
	Treatment F		290.895	0.000	760.918	93.432	65.114	46.965		
	Treatment Prob(F)		0.0001	1.0000	0.0001	0.0001	0.0001	0.0001		

LSU Northeast Research Station

Pest Type								
Pest Code		BRAPP	BRAPP	BRAPP	BRAPP	BRAPP	SEBEX	
Crop Code								
Part Rated		PLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT P	
Rating Date		2/May/07	10/May/07	24/May/07	21/Jun/07	15/Aug/07	2/May/07	
Rating Data Type		Control	Control	Control	Control	Control	Control	
Rating Unit		%	%	%	%	%	%	
Trt-Eval Interval		6 DA-A	14 DA-A	28 DA-A	56 DA-A	111 DA-A	6 DA-A	
Trt Treatment	Rate	Growth						
No.Name	Rate Unit	Stage	1	2	3	4	5	6

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			SEBEX	SEBEX	SEBEX	SEBEX	SIDSP	SIDSP		
Pest Code										
Crop Code										
Part Rated			PLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT	P
Rating Date			10/May/07	24/May/07	21/Jun/07	15/Aug/07	2/May/07	10/May/07		
Rating Data Type			Control	Control	Control	Control	Control	Control		
Rating Unit			%	%	%	%	%	%		
Trt-Eval Interval			14 DA-A	28 DA-A	56 DA-A	111 DA-A	6 DA-A	14 DA-A		
Trt Treatment	Rate	Growth								
No.Name	Rate Unit	Stage	7	8	9	10	11	12		
1 Callisto	3	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
2 Callisto	3	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Accent	0.5	OZ/A	EPOST							
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
3 Callisto	3	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Resolve	1.0	OZ/A	EPOST							
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
4 Callisto	3	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Steadfast	0.5	OZ/A	EPOST							
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
5 Callisto	3	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Stout	0.5	OZ/A	EPOST							
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
6 Callisto	3	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Option	1.5	OZ/A	EPOST							
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
7 Callisto	1.5	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Accent	0.5	OZ/A	EPOST							
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
8 Callisto	1.5	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Resolve	1.0	OZ/A	EPOST							
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
9 Callisto	1.5	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Steadfast	0.5	OZ/A	EPOST							
Atrazine	1.5	QT/A	EPOST							
COC	1	% V/V	EPOST							
10 Callisto	1.5	OZ/A	EPOST95	a 95	a 95	a 95	a 95	a 95	a	
Stout	0.5	OZ/A	EPOST							

LSU Northeast Research Station

Pest Type								
Pest Code	SEBEX	SEBEX	SEBEX	SEBEX	SIDSP	SIDSP		
Crop Code								
Part Rated	PLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT P		
Rating Date	10/May/07	24/May/07	21/Jun/07	15/Aug/07	2/May/07	10/May/07		
Rating Data Type	Control	Control	Control	Control	Control	Control		
Rating Unit	%	%	%	%	%	%		
Trt-Eval Interval	14 DA-A	28 DA-A	56 DA-A	111 DA-A	6 DA-A	14 DA-A		
Trt Treatment	Rate	Growth						
No. Name	Rate Unit	Stage	7	8	9	10	11	12

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									
Pest Code	SIDSP			SIDSP			SIDSP		
Crop Code				ZEAMX			ZEAMX		
Part Rated	PLATOT			PPLATOT			PGRAIN		
Rating Date	24/May/07			21/Jun/07			15/Aug/07		
Rating Data Type	Control			Control			Control		
Rating Unit	%			%			%		
Trt-Eval Interval	28 DA-A			56 DA-A			111 DA-A		
Trt Treatment	Rate	Growth							
No.Name	Rate Unit	Stage	13	14	15	16	17	18	
1 Callisto	3 OZ/A	EPOST95		a95	a95	a12	b15	a87	b
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
2 Callisto	3 OZ/A	EPOST95		a95	a95	a16	a15	a116	a
Accent	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
3 Callisto	3 OZ/A	EPOST95		a95	a95	a15	a15	a111	a
Resolve	1.0 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
4 Callisto	3 OZ/A	EPOST95		a95	a95	a15	a14	a112	a
Steadfast	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
5 Callisto	3 OZ/A	EPOST95		a95	a95	a15	a15	a110	a
Stout	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
6 Callisto	3 OZ/A	EPOST95		a95	a95	a12	b16	a84	b
Option	1.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
7 Callisto	1.5 OZ/A	EPOST95		a95	a95	a6	c15	a44	c
Accent	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
8 Callisto	1.5 OZ/A	EPOST95		a95	a95	a15	a15	a110	a
Resolve	1.0 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
9 Callisto	1.5 OZ/A	EPOST95		a95	a95	a11	b15	a77	b
Steadfast	0.5 OZ/A	EPOST							
Atrazine	1.5 QT/A	EPOST							
COC	1 % V/VE	EPOST							
10 Callisto	1.5 OZ/A	EPOST95		a95	a95	a10	b11	a80	b
Stout	0.5 OZ/A	EPOST							

	Atrazine	1.5	QT/A	EPOST						
	COC	1	% V/VE	EPOST						
11	Callisto	1.5	OZ/A	EPOST95	a95	a95	a10	b15	a71	b
	Option	1.5	OZ/A	EPOST						
	Atrazine	1.5	QT/A	EPOST						
	COC	1	% V/VE	EPOST						
12	Steadfast	0.75	OZ/A	EPOST95	a95	a95	a17	a15	a123	a
	Atrazine	1.5	QT/A	EPOST						
	COC	1	% V/VE	EPOST						
13	Accent	0.66	OZ/A	EPOST95	a95	a95	a15	a15	a110	a
	Atrazine	1.5	QT/A	EPOST						
	COC	1	% V/VE	EPOST						
14	nontreated				0	b0	b0	b5	c15	a34
	LSD (P=.10)				0.0	0.0	0.0	1.5	3.3	11.1
	Standard Deviation				0.0	0.0	0.0	1.0	2.4	8.0
	CV				0.0	0.0	0.0	8.47	16.32	8.78
	Grand Mean				88.21	88.21	88.21	12.4	14.7	90.61
	Bartlett's X2				0.0	0.0	0.0	15.97	73.165	16.174
	P(Bartlett's X2)				.	.	.	0.251	0.001*	0.24
	Replicate F				0.000	0.000	0.000	1.550	0.776	1.242
	Replicate Prob(F)				1.0000	1.0000	1.0000	0.2313	0.4705	0.3054
	Treatment F				0.000	0.000	0.000	38.920	0.774	35.684
	Treatment Prob(F)				1.0000	1.0000	1.0000	0.0001	0.6787	0.0001

LSU Northeast Research Station

Pest Type								
Pest Code		SIDSP	SIDSP	SIDSP				
Crop Code					ZEAMX	ZEAMX	ZEAMX	
Part Rated		PLATOT	PPLATOT	PPLATOT	PGRAIN	CGRAIN	CGRAIN C	
Rating Date		24/May/07	21/Jun/07	15/Aug/07	30/Aug/07	30/Aug/07	30/Aug/07	
Rating Data Type		Control	Control	Control	Yiled	Moisture	YIELD	
Rating Unit		%	%	%	lb/plt	%	BU	
Trt-Eval Interval		28 DA-A	56 DA-A	111 DA-A	126 DA-A	126 DA-A	126 DA-A	
Trt Treatment	Rate	Growth						
No.Name	Rate Unit	Stage	13	14	15	16	17	18

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.

Column 18: $TY1 = 7.288766 * [16] * (100 - [17]) / 85$