



	<b>Date</b>	<b>Amount</b>	<b>Unit</b>
1.	21/Feb/07	0.01	IN
2.	24/Feb/07	0.65	IN
3.	25/Feb/07	0.01	IN
4.	1/Mar/07	1.17	IN
5.	27/Mar/07	0.01	IN
6.	31/Mar/07	0.63	IN
7.	1/Apr/07	0.01	IN
8.	2/Apr/07	0.01	IN
9.	3/Apr/07	0.09	IN
10.	4/Apr/07	0.19	IN
11.	7/Apr/07	0.14	IN
12.	8/Apr/07	0.1	IN
13.	10/Apr/07	1.01	IN
14.	14/Apr/07	0.39	IN
15.	18/Apr/07	0.11	IN
16.	25/Apr/07	1.37	IN
17.	26/Apr/07	0.41	IN
18.	2/May/07	0.04	IN
19.	3/May/07	1.24	IN
20.	15/May/07	0.02	IN
21.	16/May/07	0.01	IN
22.	17/May/07	0.01	IN
23.	3/June/07	0.02	IN
24.	16/June/07	0.01	IN
25.	18/June/07	0.02	IN
26.	19/June/07	0.4	IN
27.	2/July/07	0.3	IN
28.	3/July/07	0.06	IN
29.	4/July/07	1.14	IN
30.	5/July/07	0.31	IN
31.	6/July/07	0.27	IN
32.	7/July/07	1.39	IN
33.	9/July/07	0.36	IN
34.	10/July/07	0.01	IN
35.	11/July/07	0.27	IN
36.	13/July/07	0.3	IN
37.	14/July/07	1.96	IN
38.	15/July/07	2.8	IN
39.	17/July/07	1.56	IN
40.	20/July/07	0.93	IN
41.	21/July/07	0.1	IN
42.	22/July/07	0.01	IN
43.	30/July/07	2.35	IN

**Application Description**

**A**

<b>Application Date:</b>	7/Mar/07
<b>Time of Day:</b>	2:00
<b>Application Method:</b>	Spray
<b>Application Timing:</b>	2WPP
<b>Application Placement:</b>	BROFOL
<b>Applied By:</b>	BW
<b>Air Temperature, Unit:</b>	74 F
<b>% Relative Humidity:</b>	38
<b>Wind Velocity, Unit:</b>	5 MPH
<b>Wind Direction:</b>	S
<b>Soil Temperature, Unit:</b>	62 F
<b>Soil Moisture:</b>	DAMP
<b>% Cloud Cover:</b>	0

**Crop Stage At Each Application**

**A**

Crop 1 Code, BBCH Scale: ZEAMX BCOR

**Pest Stage At Each Application**

**A**

Pest 1 Code, Disc., Scale: OEOLA W

Stage Majority, Percent: FLOWER

Stage Minimum, Percent: 7"

Pest 2 Code, Disc., Scale: LAMAM W

Stage Minimum, Percent: 4"

Stage Maximum, Percent: 8"

Pest 3 Code, Disc., Scale: POAAN W

Stage Majority, Percent: FLOWER

Stage Minimum, Percent: 4"

Pest 4 Code, Disc., Scale: COPDI W

Stage Minimum, Percent: 4"

Pest 5 Code, Disc., Scale: STEME W

Stage Majority, Percent: FLOWER

Stage Minimum, Percent: 4"

Stage Maximum, Percent: 5"

Pest 6 Code, Disc., Scale: HPPVU W

Stage Minimum, Percent: 4"

Pest 7 Code, Disc., Scale: VERAA W

Stage Majority, Percent: 6-7"

**Application Equipment**

**A**

Appl. Equipment: Backpack

Operating Pressure, Unit: 31 psi

Nozzle Type: Greenleaf

Nozzle Size: 11002

Nozzle Spacing, Unit: 20 in

Nozzles/Row: 2

Ground Speed, Unit: 2.8 mph

Carrier: water

Spray Volume, Unit: 15 GAL/AC

Propellant: CO2

# LSU Northeast Research Station

## The effect of crop oil on cool-season weed control with glyphosate plus atrazine.

Trial ID: SJ07B009

Protocol ID: SJ07B009

Location:

Study Director:

Investigator: Bill Williams

Pest Type

Pest Code

Rating Date

Trt-Eval Interval

OEOLA	OEOLA	OEOLA	COPDI	COPDI	COPDI
15/Mar/07	22/Mar/07	29/Mar/07	15/Mar/07	22/Mar/07	29/Mar/07
8 DA-A	15 DA-A	27 DA-A	8 DA-A	15 DA-A	27 DA-A

Trt No.	Treatment Name	Rate	Unit	Growth Stage	1	2	3	6	7	8	
1	Touchdown Total	22	OZ/A	PP	33	a 30	e 63	b 30	a 95	a 95	a
2	Touchdown Total	22	OZ/A	PP	30	a 67	c 93	a 30	a 95	a 95	a
	Atrazine	1	PT/A	PP							
3	Touchdown Total	22	OZ/A	PP	30	a 78	b 63	b 30	a 95	a 95	a
	Atrazine	1.5	PT/A	PP							
4	Touchdown Total	22	OZ/A	PP	0	b 95	a 88	a 30	a 95	a 95	a
	Atrazine	2	PT/A	PP							
5	Touchdown Total	22	OZ/A	PP	33	a 30	e 63	b 30	a 90	a 90	a
6	Touchdown Total	22	OZ/A	PP	33	a 68	c 82	a 30	a 95	a 95	a
	Atrazine	1	PT/A	PP							
	AgriDex	1	% V/V	PP							
7	Touchdown Total	22	OZ/A	PP	33	a 93	a 85	a 30	a 95	a 95	a
	Atrazine	1.5	PT/A	PP							
	AgriDex	1	% V/V	PP							
8	Touchdown Total	22	OZ/A	PP	0	b 57	d 92	a 30	a 92	a 92	a
	Atrazine	2	PT/A	PP							
	AgriDex	1	% V/V	PP							
LSD (P=.10)					4.4	5.7	9.3	0.0	3.6	3.6	
Standard Deviation					3.1	4.0	6.5	0.0	2.5	2.5	
CV					12.77	6.1	8.21	0.0	2.69	2.69	
Grand Mean					24.17	64.79	78.75	30.0	93.96	93.96	
Bartlett's X2					0.0	2.546	5.588	0.0	0.04	0.04	
P(Bartlett's X2)					.	0.636	0.589	.	0.842	0.842	
Replicate F					7.000	2.067	2.765	0.000	2.116	2.116	
Replicate Prob(F)					0.0078	0.1635	0.0973	1.0000	0.1574	0.1574	
Treatment F					70.750	121.057	12.626	0.000	1.837	1.837	
Treatment Prob(F)					0.0001	0.0001	0.0001	1.0000	0.1576	0.1576	

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											
Rating Date											
Trt-Eval Interval											
Trt Treatment	Rate	Growth									
No.Name	RateUnit	Stage	11	12	13	16	17	18			
1 Touchdown Total	22	OZ/A PP	33	b95	a93	a80	a95	a87	a		
2 Touchdown Total	22	OZ/A PP	53	a93	a93	a53	c95	a90	a		
Atrazine	1	PT/A PP									
3 Touchdown Total	22	OZ/A PP	33	b95	a93	a53	c95	a90	a		
Atrazine	1.5	PT/A PP									
4 Touchdown Total	22	OZ/A PP	53	a96	a93	a53	c95	a93	a		
Atrazine	2	PT/A PP									
5 Touchdown Total	22	OZ/A PP	30	b93	a93	a80	a93	a93	a		
6 Touchdown Total	22	OZ/A PP	57	a90	a93	a63	b95	a90	a		
Atrazine	1	PT/A PP									
AgriDex	1	% V/V PP									
7 Touchdown Total	22	OZ/A PP	50	a93	a93	a82	a95	a90	a		
Atrazine	1.5	PT/A PP									
AgriDex	1	% V/V PP									
8 Touchdown Total	22	OZ/A PP	30	b93	a93	a30	d90	a90	a		
Atrazine	2	PT/A PP									
AgriDex	1	% V/V PP									
LSD (P=.10)			8.7	4.7	0.0	5.5	4.7	5.3			
Standard Deviation			6.0	3.3	0.0	3.8	3.3	3.7			
CV			14.18	3.49	0.0	6.14	3.5	4.09			
Grand Mean			42.5	93.71	93.33	61.88	94.17	90.42			
Bartlett's X2			1.119	5.665	0.0	1.043	1.981	5.795			
P(Bartlett's X2)			0.952	0.34	1.00	0.903	0.159	0.564			
Replicate F			0.344	3.627	0.000	2.814	0.671	36.826			
Replicate Prob(F)			0.7146	0.0538	1.0000	0.0939	0.5268	0.0001			
Treatment F			11.475	0.983	0.000	67.866	0.877	1.000			
Treatment Prob(F)			0.0001	0.4806	1.0000	0.0001	0.5481	0.4706			

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

Rating Date

Trt-Eval Interval

POAAN POAAN POAAN

15/Mar/07 22/Mar/07 29/Mar/07

8 DA-A 15 DA-A 27 DA-A

Trt	Treatment	Rate	Growth				
No.	Name	Rate	Unit	Stage	21	22	23
1	Touchdown Total	22	OZ/A	PP	30	c 95	a 95
2	Touchdown Total	22	OZ/A	PP	77	a 95	a 95
	Atrazine	1	PT/A	PP			
3	Touchdown Total	22	OZ/A	PP	33	c 95	a 95
	Atrazine	1.5	PT/A	PP			
4	Touchdown Total	22	OZ/A	PP	53	b 95	a 95
	Atrazine	2	PT/A	PP			
5	Touchdown Total	22	OZ/A	PP	30	c 93	a 93
6	Touchdown Total	22	OZ/A	PP	73	a 95	a 95
	Atrazine	1	PT/A	PP			
	Agridex	1	% V/V	PP			
7	Touchdown Total	22	OZ/A	PP	75	a 95	a 95
	Atrazine	1.5	PT/A	PP			
	Agridex	1	% V/V	PP			
8	Touchdown Total	22	OZ/A	PP	30	c 92	a 92
	Atrazine	2	PT/A	PP			
	Agridex	1	% V/V	PP			
LSD (P=.10)					6.1	3.4	3.4
Standard Deviation					4.2	2.3	2.3
CV					8.45	2.49	2.49
Grand Mean					50.21	94.38	94.38
Bartlett's X2					0.057	0.866	0.866
P(Bartlett's X2)					1.00	0.352	0.352
Replicate F					1.793	0.568	0.568
Replicate Prob(F)					0.2026	0.5794	0.5794
Treatment F					80.190	0.838	0.838
Treatment Prob(F)					0.0001	0.5743	0.5743

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.