

Evaluation of Kior Technology for Weed Control in No-Till Soybean

Trial ID: NTS04-08
 Conducted: T-16 Botany

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Date Planted: 5/13/08
 Variety: Asgrow 2107
 Population: 210,000 seeds/Acre
 Soil Type: Sandy Loam
 Plot Size: 10 X 40 FT

Row Spacing: 7.5 IN
 No. of Reps: 5
 % OM: 2.6
 pH: 6.3
 Design: RANDOMIZED COMPLETE BLOCK

Tillage: No-till into standing corn stubble
 Fertilizer: none at planting

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	ERICA	HORSEWEED (Marestail)	CONYZA CANADENSIS L.
2.	VERPG	SPEEDWELL, PURSLANE	VERONICA PEREGRINA L.
3.	LACSE	LETTUCE, PRICKLY	LACTUCA SERRIOLA L./TORN.
4.	LAMAM	HENBIT	LAMIUM AMPLEXICAULE L.
5.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
6.	TAROF	DANDELION, COMMON	TARAXACUM OFFICINALE
7.	STEME	CHICKWEED, COMMON	STELLARIA MEDIA (L.)
8.	ANGR	mainly foxtail species	SETARIA SP.
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

Application Description

	A	B
Application Timing:	7 EPP	POST
Date Treated:	5/5/08	6/23/08
Time Treated:	3:30 PM	11:15 AM
% Cloud Cover:	60	0
Air Temp., Unit:	74 F	71 F
% Relative Humidity:	33	60
Wind Speed/Unit/Dir:	6 mph W	4 mph NW
Soil Temp., Unit:	67 F	68 F
Soil/Leaf Surface M:	5 5	4 5
Soil Moist (1=w 5=d):	5	4

Crop Stage at Each Application

	A	B
Crop Name:	GLXMA	GLXMA
Height (In.):	--	5-8
Stage (L):	--	V2-V3

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Weed Stage at Each Application

	A	B
Weed 1 Name:	ERICA	ERICA
Height (In.):	4-6 dia	--
Stage (L):	rosette	--
Weed 2 Name:	VERPG	VERPG
Height (In.):	6 dia	--
Stage (L):	rosette	--
Weed 3 Name:	LACSE	LACSE
Height (In.):	12 dia	--
Stage (L):	rosette	--
Weed 4 Name:	LAMAM	LAMAM
Height (In.):	6	--
Stage (L):	flowering	--
Weed 5 Name:	CHEAL	CHEAL
Height (In.):	.125-1	1-6
Stage (L):	coty-8	6-many
Weed 6 Name:	TAROF	TAROF
Height (In.):	10-12 dia	4-12 dia
Stage (L):	flowering	many-flwr
Weed 7 Name:	STEME	STEME
Height (In.):	10 dia	12-18 dia
Stage (L):	flowering	flowering
Weed 8 Name:	ANGR	ANGR
Height (In.):	--	1-4
Stage (L):	--	1-3

Weed Density (plants/sq. ft.)

	1	2	3	4	5	6
Date:	7/25/08	7/25/08	7/25/08	7/25/08	7/25/08	7/25/08
Weed Name:	ANGR	CHEAL	LACSE	VERPG	ERICA	TAROF
Density:	3	2.4	0.1	1.2	0.7	0.8

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A	Cub	3.8	AirMix	11003	24	20	100	19	water	28
B	Cub	3.8	AirMix	11003	27	20	100	19	water	28

Comments: 6/24/08: Roundup WeatherMax + AMS (22 oz + 17 lb/100 gal) applied to all treatments

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Weed Code	STEME	TAROF	ERIST	ERICA	LACSE
Crop Code					
Rating Data Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	5/12/08	5/12/08	5/12/08	5/12/08	5/12/08
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	77	96	96	98	97
1	COC		L	1	% v/v	7 EPP	A					
1	AMS		WG	17	lb/100 gal	7 EPP	A					
1	Buccaneer	3	SL	32	fl oz/a	POST	B					
1	Activator 90		L	0.25	% v/v	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	23	5	20	50	23
2	Activator 90		L	0.25	% v/v	7 EPP	A					
2	AMS		WG	17	lb/100 gal	7 EPP	A					
2	Buccaneer	3	SL	32	fl oz/a	POST	B					
2	Activator 90		L	0.25	% v/v	POST	B					
2	AMS		WG	17	lb/100 gal	POST	B					
3	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	78	79	92	98	99
3	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
3	COC		L	1	% v/v	7 EPP	A					
3	AMS		WG	17	lb/100 gal	7 EPP	A					
3	Buccaneer	3	SL	32	fl oz/a	POST	B					
3	Activator 90		L	0.25	% v/v	POST	B					
3	AMS		WG	17	lb/100 gal	POST	B					
4	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	59	37	57	62	44
4	2,4-D Ester	3.8	L	1	pt/a	7 EPP	A					
4	Activator 90		L	0.25	% v/v	7 EPP	A					
4	AMS		WG	17	lb/100 gal	7 EPP	A					
4	Buccaneer	3	SL	32	fl oz/a	POST	B					
4	Activator 90		L	0.25	% v/v	POST	B					
4	AMS		WG	17	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Kixor + Pursuit	68	WG	2	oz/a	7 EPP	A	67	87	97	98	91
6	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
6	COC		L	1	% v/v	7 EPP	A					
6	AMS		WG	17	lb/100 gal	7 EPP	A					
6	Buccaneer	3	SL	32	fl oz/a	POST	B					
6	Activator 90		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					
7	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	67	86	92	99	96
7	Prowl H2O	3.8	L	2	pt/a	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
7	COC		L	1	% v/v	7 EPP	A					
7	AMS		WG	17	lb/100 gal	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	POST	B					
7	Activator 90		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					

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Crop Code					
Rating Data Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	5/12/08	5/12/08	5/12/08	5/12/08	5/12/08
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code
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LSD (P=.10)	17.3	17.0	14.7	6.4	13.7
Standard Deviation	15.9	15.7	12.0	5.9	12.5
CV	30.06	28.32	18.51	8.19	19.43

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								CHEAL	VERPG	STEME	TAROF	ERIST
Weed Code												
Crop Code												
Rating Data Type								control	control	control	control	control
Rating Unit								percent	percent	percent	percent	percent
Rating Date								5/12/08	5/12/08	5/19/08	5/19/08	5/19/08
Trt-Eval Interval								7 DA-A	7 DA-A	14 DA-A	14 DA-A	14 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	94	78	70	42	99
1	COC		L	1	% v/v	7 EPP	A					
1	AMS		WG	17	lb/100 gal	7 EPP	A					
1	Buccaneer	3	SL	32	fl oz/a	POST	B					
1	Activator 90		L	0.25	% v/v	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	47	26	96	78	98
2	Activator 90		L	0.25	% v/v	7 EPP	A					
2	AMS		WG	17	lb/100 gal	7 EPP	A					
2	Buccaneer	3	SL	32	fl oz/a	POST	B					
2	Activator 90		L	0.25	% v/v	POST	B					
2	AMS		WG	17	lb/100 gal	POST	B					
3	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	96	46	99	96	99
3	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
3	COC		L	1	% v/v	7 EPP	A					
3	AMS		WG	17	lb/100 gal	7 EPP	A					
3	Buccaneer	3	SL	32	fl oz/a	POST	B					
3	Activator 90		L	0.25	% v/v	POST	B					
3	AMS		WG	17	lb/100 gal	POST	B					
4	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	67	42	99	78	99
4	2,4-D Ester	3.8	L	1	pt/a	7 EPP	A					
4	Activator 90		L	0.25	% v/v	7 EPP	A					
4	AMS		WG	17	lb/100 gal	7 EPP	A					
4	Buccaneer	3	SL	32	fl oz/a	POST	B					
4	Activator 90		L	0.25	% v/v	POST	B					
4	AMS		WG	17	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Kixor + Pursuit	68	WG	2	oz/a	7 EPP	A	98	37	99	96	99
6	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
6	COC		L	1	% v/v	7 EPP	A					
6	AMS		WG	17	lb/100 gal	7 EPP	A					
6	Buccaneer	3	SL	32	fl oz/a	POST	B					
6	Activator 90		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					
7	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	98	42	99	97	99
7	Prowl H2O	3.8	L	2	pt/a	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
7	COC		L	1	% v/v	7 EPP	A					
7	AMS		WG	17	lb/100 gal	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	POST	B					
7	Activator 90		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					

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Crop Code					
Rating Data Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	5/12/08	5/12/08	5/19/08	5/19/08	5/19/08
Trt-Eval Interval	7 DA-A	7 DA-A	14 DA-A	14 DA-A	14 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code
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LSD (P=.10)	22.3	10.7	11.1	7.6	0.7
Standard Deviation	20.6	9.9	10.2	7.1	0.7
CV	28.91	25.56	12.77	10.17	0.8

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Crop Code					
Rating Data Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	5/19/08	5/19/08	5/19/08	5/19/08	6/12/08
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	38 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	ERICA	LACSE	CHEAL	VERPG	STEME
1	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	99	99	93	67
1	COC		L	1	% v/v	7 EPP	A					
1	AMS		WG	17	lb/100 gal	7 EPP	A					
1	Buccaneer	3	SL	32	fl oz/a	POST	B					
1	Activator 90		L	0.25	% v/v	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	99	92	99	80	99
2	Activator 90		L	0.25	% v/v	7 EPP	A					
2	AMS		WG	17	lb/100 gal	7 EPP	A					
2	Buccaneer	3	SL	32	fl oz/a	POST	B					
2	Activator 90		L	0.25	% v/v	POST	B					
2	AMS		WG	17	lb/100 gal	POST	B					
3	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	99	99	99	99
3	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
3	COC		L	1	% v/v	7 EPP	A					
3	AMS		WG	17	lb/100 gal	7 EPP	A					
3	Buccaneer	3	SL	32	fl oz/a	POST	B					
3	Activator 90		L	0.25	% v/v	POST	B					
3	AMS		WG	17	lb/100 gal	POST	B					
4	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	99	96	99	95	98
4	2,4-D Ester	3.8	L	1	pt/a	7 EPP	A					
4	Activator 90		L	0.25	% v/v	7 EPP	A					
4	AMS		WG	17	lb/100 gal	7 EPP	A					
4	Buccaneer	3	SL	32	fl oz/a	POST	B					
4	Activator 90		L	0.25	% v/v	POST	B					
4	AMS		WG	17	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Kixor + Pursuit	68	WG	2	oz/a	7 EPP	A	99	99	99	97	99
6	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
6	COC		L	1	% v/v	7 EPP	A					
6	AMS		WG	17	lb/100 gal	7 EPP	A					
6	Buccaneer	3	SL	32	fl oz/a	POST	B					
6	Activator 90		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					
7	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	99	99	99	99
7	Prowl H2O	3.8	L	2	pt/a	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
7	COC		L	1	% v/v	7 EPP	A					
7	AMS		WG	17	lb/100 gal	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	POST	B					
7	Activator 90		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					

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Crop Code					
Rating Data Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	5/19/08	5/19/08	5/19/08	5/19/08	6/12/08
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	38 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code
LSD (P=.10)							
Standard Deviation							
CV							

LSD (P=.10)	0.0	3.7	0.0	16.7	13.8
Standard Deviation	0.0	3.4	0.0	15.5	12.8
CV	0.0	4.09	0.0	19.26	15.96

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Weed Code								TAROF	ERICA	CHEAL	VERPG	ANGR
Crop Code												
Rating Data Type								control	control	control	control	control
Rating Unit								percent	percent	percent	percent	percent
Rating Date								6/12/08	6/12/08	6/12/08	6/12/08	7/9/08
Trt-Eval Interval								38 DA-A	38 DA-A	38 DA-A	38 DA-A	65 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	0	84	76	48	99
1	COC		L	1	% v/v	7 EPP	A					
1	AMS		WG	17	lb/100 gal	7 EPP	A					
1	Buccaneer	3	SL	32	fl oz/a	POST	B					
1	Activator 90		L	0.25	% v/v	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	91	99	51	99	99
2	Activator 90		L	0.25	% v/v	7 EPP	A					
2	AMS		WG	17	lb/100 gal	7 EPP	A					
2	Buccaneer	3	SL	32	fl oz/a	POST	B					
2	Activator 90		L	0.25	% v/v	POST	B					
2	AMS		WG	17	lb/100 gal	POST	B					
3	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	83	99	84	99	97
3	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
3	COC		L	1	% v/v	7 EPP	A					
3	AMS		WG	17	lb/100 gal	7 EPP	A					
3	Buccaneer	3	SL	32	fl oz/a	POST	B					
3	Activator 90		L	0.25	% v/v	POST	B					
3	AMS		WG	17	lb/100 gal	POST	B					
4	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	87	99	69	99	98
4	2,4-D Ester	3.8	L	1	pt/a	7 EPP	A					
4	Activator 90		L	0.25	% v/v	7 EPP	A					
4	AMS		WG	17	lb/100 gal	7 EPP	A					
4	Buccaneer	3	SL	32	fl oz/a	POST	B					
4	Activator 90		L	0.25	% v/v	POST	B					
4	AMS		WG	17	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Kixor + Pursuit	68	WG	2	oz/a	7 EPP	A	94	99	78	99	99
6	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
6	COC		L	1	% v/v	7 EPP	A					
6	AMS		WG	17	lb/100 gal	7 EPP	A					
6	Buccaneer	3	SL	32	fl oz/a	POST	B					
6	Activator 90		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					
7	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	92	99	97	99	98
7	Prowl H2O	3.8	L	2	pt/a	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
7	COC		L	1	% v/v	7 EPP	A					
7	AMS		WG	17	lb/100 gal	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	POST	B					
7	Activator 90		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					

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Crop Code					
Rating Data Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	6/12/08	6/12/08	6/12/08	6/12/08	7/9/08
Trt-Eval Interval	38 DA-A	38 DA-A	38 DA-A	38 DA-A	65 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code
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LSD (P=.10)	7.6	4.3	23.9	5.3	0.8
Standard Deviation	7.0	4.0	22.1	4.9	0.8
CV	11.03	4.79	33.99	6.35	0.91

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Weed Code	CHEAL	TAROF	ERICA	SONAR	ANGR
Crop Code					
Rating Data Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	7/9/08	7/9/08	7/9/08	7/9/08	7/12/08
Trt-Eval Interval	65 DA-A	65 DA-A	65 DA-A	65 DA-A	68 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	CHEAL	TAROF	ERICA	SONAR	ANGR
1	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	92	99	99	97
1	COC		L	1	% v/v	7 EPP	A					
1	AMS		WG	17	lb/100 gal	7 EPP	A					
1	Buccaneer	3	SL	32	fl oz/a	POST	B					
1	Activator 90		L	0.25	% v/v	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	99	98	99	99	98
2	Activator 90		L	0.25	% v/v	7 EPP	A					
2	AMS		WG	17	lb/100 gal	7 EPP	A					
2	Buccaneer	3	SL	32	fl oz/a	POST	B					
2	Activator 90		L	0.25	% v/v	POST	B					
2	AMS		WG	17	lb/100 gal	POST	B					
3	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	99	99	99	97
3	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
3	COC		L	1	% v/v	7 EPP	A					
3	AMS		WG	17	lb/100 gal	7 EPP	A					
3	Buccaneer	3	SL	32	fl oz/a	POST	B					
3	Activator 90		L	0.25	% v/v	POST	B					
3	AMS		WG	17	lb/100 gal	POST	B					
4	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	99	99	99	99	98
4	2,4-D Ester	3.8	L	1	pt/a	7 EPP	A					
4	Activator 90		L	0.25	% v/v	7 EPP	A					
4	AMS		WG	17	lb/100 gal	7 EPP	A					
4	Buccaneer	3	SL	32	fl oz/a	POST	B					
4	Activator 90		L	0.25	% v/v	POST	B					
4	AMS		WG	17	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Kixor + Pursuit	68	WG	2	oz/a	7 EPP	A	99	99	99	99	99
6	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
6	COC		L	1	% v/v	7 EPP	A					
6	AMS		WG	17	lb/100 gal	7 EPP	A					
6	Buccaneer	3	SL	32	fl oz/a	POST	B					
6	Activator 90		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					
7	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	99	99	99	99
7	Prowl H2O	3.8	L	2	pt/a	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	7 EPP	A					
7	COC		L	1	% v/v	7 EPP	A					
7	AMS		WG	17	lb/100 gal	7 EPP	A					
7	Buccaneer	3	SL	32	fl oz/a	POST	B					
7	Activator 90		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					

MSU Weed Science Research Program

Evaluation of Kixor Technology for Weed Control in No-Till Soybean

Trial ID: NTS04-08
 Conducted: T-16 Botany

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	CHEAL	TAROF	ERICA	SONAR	ANGR
Crop Code					
Rating Data Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	7/9/08	7/9/08	7/9/08	7/9/08	7/12/08
Trt-Eval Interval	65 DA-A	65 DA-A	65 DA-A	65 DA-A	68 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code
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LSD (P=.10)	0.2	3.5	0.0	0.0	1.5
Standard Deviation	0.2	3.3	0.0	0.0	1.4
CV	0.2	3.89	0.0	0.0	1.67

MSU Weed Science Research Program

Evaluation of Kixor Technology for Weed Control in No-Till Soybean

Trial ID: NTS04-08
 Conducted: T-16 Botany

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

								CHEAL	ERICA	GLXMA	GLXMA
								control	control	moisture	yield
								percent	percent	percent	bu/acre
								7/12/08	7/12/08	10/22/08	10/22/08
								68 DA-A	68 DA-A	170 DA-A	at 13% M
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	99	14.7	46.2
1	COC		L	1	% v/v	7 EPP	A				
1	AMS		WG	17	lb/100 gal	7 EPP	A				
1	Buccaneer	3	SL	32	fl oz/a	POST	B				
1	Activator 90		L	0.25	% v/v	POST	B				
1	AMS		WG	17	lb/100 gal	POST	B				
2	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	99	99	14.6	46.6
2	Activator 90		L	0.25	% v/v	7 EPP	A				
2	AMS		WG	17	lb/100 gal	7 EPP	A				
2	Buccaneer	3	SL	32	fl oz/a	POST	B				
2	Activator 90		L	0.25	% v/v	POST	B				
2	AMS		WG	17	lb/100 gal	POST	B				
3	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	99	15.0	45.1
3	Buccaneer	3	SL	32	fl oz/a	7 EPP	A				
3	COC		L	1	% v/v	7 EPP	A				
3	AMS		WG	17	lb/100 gal	7 EPP	A				
3	Buccaneer	3	SL	32	fl oz/a	POST	B				
3	Activator 90		L	0.25	% v/v	POST	B				
3	AMS		WG	17	lb/100 gal	POST	B				
4	Buccaneer	3	SL	32	fl oz/a	7 EPP	A	99	99	14.8	44.2
4	2,4-D Ester	3.8	L	1	pt/a	7 EPP	A				
4	Activator 90		L	0.25	% v/v	7 EPP	A				
4	AMS		WG	17	lb/100 gal	7 EPP	A				
4	Buccaneer	3	SL	32	fl oz/a	POST	B				
4	Activator 90		L	0.25	% v/v	POST	B				
4	AMS		WG	17	lb/100 gal	POST	B				
5	Untreated							0	0	16.1	20.3
6	Kixor + Pursuit	68	WG	2	oz/a	7 EPP	A	99	99	14.6	47.3
6	Buccaneer	3	SL	32	fl oz/a	7 EPP	A				
6	COC		L	1	% v/v	7 EPP	A				
6	AMS		WG	17	lb/100 gal	7 EPP	A				
6	Buccaneer	3	SL	32	fl oz/a	POST	B				
6	Activator 90		L	0.25	% v/v	POST	B				
6	AMS		WG	17	lb/100 gal	POST	B				
7	Kixor	2.85	SC	1	fl oz/a	7 EPP	A	99	99	15.4	44.9
7	Prowl H2O	3.8	L	2	pt/a	7 EPP	A				
7	Buccaneer	3	SL	32	fl oz/a	7 EPP	A				
7	COC		L	1	% v/v	7 EPP	A				
7	AMS		WG	17	lb/100 gal	7 EPP	A				
7	Buccaneer	3	SL	32	fl oz/a	POST	B				
7	Activator 90		L	0.25	% v/v	POST	B				
7	AMS		WG	17	lb/100 gal	POST	B				

MSU Weed Science Research Program

Evaluation of Kixor Technology for Weed Control in No-Till Soybean

Trial ID: NTS04-08
 Conducted: T-16 Botany

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	CHEAL	ERICA		
Crop Code			GLXMA	GLXMA
Rating Data Type	control	control	moisture	yield
Rating Unit	percent	percent	percent	bu/acre
Rating Date	7/12/08	7/12/08	10/22/08	10/22/08
Trt-Eval Interval	68 DA-A	68 DA-A	170 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code
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LSD (P=.10)	0.0	0.0	0.96	4.86
Standard Deviation	0.0	0.0	0.88	4.49
CV	0.0	0.0	5.88	10.68