

Glyfos X-tra and Metribuzin Combinations for Weed Management in No-Till Soybean.

Project Code: 07-1-E40 Location: Belleville Research Center  
 Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA  
 Trial Status: Final Updated: 1-23-08

Objective:

To determine the herbicidal efficacy and selectivity of Glyfos X-tra + metribuzin when applied EPP and PRE to soybean in 2007.

Weed Code	Common Name	Scientific Name
1.	ERICA horseweed	Conyza canadensis (L.) Crong.
2.	STEME chickweed, common	Stellaria media (L.) Vill.
3.	HORPU barley, little	Hordeum pusillum Nutt.
4.	RANAB buttercup, smallflower	Ranunculus abortivus L.
5.	SETFA foxtail, giant	Setaria faberi Herrm.
6.	CHEAL lambsquarters, common	Chenopodium album L.
7.	AMATA waterhemp, common	Amaranthus rudis Sauer

Crop 1: GLXMA soybean Variety: Asgrow 4404 RR/STS  
 Planting Method: Seeded Planting Date: 6-1-07  
 Rate: 75 lb/A Depth: 1.0 IN  
 Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 28 FT Reps: 3  
 Tillage Type: No-Till Study Design: Randomized complete block  
 Previous Crop, Year: ZEAMX, 2006  
 Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 100 LB/A

Soil Name: Weir % OM: 1.6 pH: 6.7 CEC: 8  
 Texture: Silt loam Fert. Level: P1: 96 LB/A, K: 327 LB/A

APPLICATION DESCRIPTION

	A	B	C
Application Date:	4-25-07	6-1-07	6-9-07
Time of Day:	9:00	8:00	
Application Method:	Spray	Spray	Spray
Application Timing:	21EPP	PRE	POST
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	64 F	70 F	
% Relative Humidity:	92	92	
Wind Velocity, Unit:	3 MPH	0 MPH	
Soil Moisture:	ABONOR	NORMAL	

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	GLXMA NA	GLXMA NA	GLXMA
Height, Unit:	NA NA	NA NA	IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code:	ERICA		
Stage(leaves):	10+		
Height(inches):	3-4		
Density:	Low		
Weed 2 Code:	STEME		
Stage(leaves):	10+		
Height(inches):	3-4		
Density:	High		
Weed 3 Code:	HORPU		
Stage(leaves):	5-6		
Height(inches):	6-8		
Density:	Low		
Weed 4 Code:	RANAB		
Stage(leaves):	10+		
Height(inches):	6-8		
Density:	Medium		
Weed 5 Code:	SETFA		
Stage(leaves):	5-6		
Height(inches):	5-7		
Density:	Medium		
Weed 6 Code:	CHEAL		
Stage(leaves):	10+		
Height(inches):	2-6		
Density:	Medium		
Weed 7 Code:	AMATA		
Stage(leaves):	5-8		
Height(inches):	2-6		
Density:	Medium		

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**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>	<b>C</b>
<b>Appl. Equipment:</b>	CO2 sprayer	CO2 sprayer	CO2 sprayer
<b>Operating Pressure:</b>	40 PSI	40 PSI	40 PSI
<b>Nozzle Type:</b>	Flat fan	Flat fan	Flat fan
<b>Nozzle Size:</b>	XR 8002	XR 8002	XR 8002
<b>Boom Length, Unit:</b>	7.5 FT	7.5 FT	7.5 FT
<b>Spray Volume, Unit:</b>	15 GPA	15 GPA	15 GPA

**NOTES:**

Glyphs X-tra and Metribuzin Combinations for Weed Management in No-Till Soybean.

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Weed Code							ERICA	ERICA	ERICA	ERICA	ERICA														
Crop Code							GLXMA	GLXMA	GLXMA	Control	Control	Control	Control	Control											
Rating Data Type							Injury	Injury	Injury	Percent	Percent	Percent	Percent	Percent											
Rating Unit							Percent	Percent	Percent	6-22-07	5-16-07	6-22-07	7-6-07	7-20-07											
Rating Date							6-22-07	7-6-07	7-20-07	5-9-07	5-16-07	6-22-07	7-6-07	7-20-07											
Trt-Eval Interval							21 DA-B	35 DA-B	49 DA-B	14 DA-A	21 DA-A	21 DA-B	35 DA-B	49 DA-B											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code																
1	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	0	a	0	a	0	a	60	bc	75	bc	92	b	93	b	92	b
1	SENCOR	75 WG		0.125	lb ai/a	2.67	oz/a	21EPP	A																
2	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	0	a	0	a	0	a	62	ab	78	abc	94	ab	92	b	92	b
2	SENCOR	75 WG		0.1875	lb ai/a	4	oz/a	21EPP	A																
3	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	0	a	0	a	0	a	65	a	80	ab	83	c	89	c	87	c
3	SENCOR	75 WG		0.25	lb ai/a	5.33	oz/a	21EPP	A																
4	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	0	a	0	a	0	a	62	ab	75	bc	99	a	99	a	99	a
4	SENCOR	75 WG		0.125	lb ai/a	2.67	oz/a	21EPP	A																
4	SENCOR	75 WG		0.125	lb ai/a	2.67	oz/a	PRE	B																
4	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	POST	C																
5	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	2	a	0	a	0	a	58	bcd	78	abc	98	a	99	a	99	a
5	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	PRE	B																
5	SENCOR	75 WG		0.25	lb ai/a	5.33	oz/a	PRE	B																
6	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	3	a	0	a	0	a	55	d	73	c	98	a	99	a	99	a
6	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	PRE	B																
6	SENCOR	75 WG		0.38	lb ai/a	8.1	oz/a	PRE	B																
7	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	2	a	0	a	0	a	60	bc	83	a	98	a	99	a	99	a
7	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	PRE	B																
7	SENCOR	75 WG		0.5	lb ai/a	10.7	oz/a	PRE	B																
8	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	1	a	0	a	0	a	60	bc	78	abc	99	a	99	a	99	a
8	SENCOR	75 WG		0.25	lb ai/a	5.33	oz/a	PRE	B																
8	PURSUIT	2 SL		0.0313	lb ai/a	2	fl oz/a	PRE	B																
8	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	POST	C																
9	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	3	a	0	a	0	a	62	ab	80	ab	99	a	99	a	99	a
9	SENCOR	75 WG		0.25	lb ai/a	5.33	oz/a	PRE	B																
9	PURSUIT	2 SL		0.0625	lb ai/a	4	fl oz/a	PRE	B																
9	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	POST	C																
10	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	2	a	0	a	0	a	58	cd	75	bc	99	a	99	a	99	a
10	SENCOR	75 WG		0.25	lb ai/a	5.33	oz/a	PRE	B																
10	PROWL H2O	3.8 CS		1.07	lb ai/a	36	fl oz/a	PRE	B																
10	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	POST	C																
11	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	21EPP	A	0	a	0	a	0	a	58	bcd	78	abc	99	a	99	a	99	a
11	SENCOR	75 WG		0.25	lb ai/a	5.33	oz/a	PRE	B																
11	REFLEX	2 EC		0.25	lb ai/a	16	fl oz/a	PRE	B																
11	GLYFOS X-TRA	3 SL		0.75	lb ae/a	32	fl oz/a	POST	C																
12	NONTREATED									0	a	0	a	0	a	0	e	0	d	0	d	0	d	0	d
LSD (P=.05)										3.6	0.0	0.0	3.5	5.2	6.2	2.0	2.6								
Replicate F										3.224	0.000	0.000	1.265	3.283	0.743	1.527	0.000								
Replicate Prob(F)										0.0591	1.0000	1.0000	0.3038	0.0585	0.4872	0.2393	1.0000								
Treatment F										1.127	0.000	0.000	215.551	165.149	175.612	1660.195	1048.520								
Treatment Prob(F)										0.3875	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001								

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

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Weed Code	STEME	STEME	HORPU	HORPU	RANAB	RANAB
Crop Code	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	5-9-07	5-16-07	5-9-07	5-16-07	5-9-07	5-16-07
Rating Date	14 DA-A	21 DA-A	14 DA-A	21 DA-A	14 DA-A	21 DA-A
Trt-Eval Interval	14 DA-A	21 DA-A	14 DA-A	21 DA-A	14 DA-A	21 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	STEME 14 DA-A	STEME 21 DA-A	HORPU 14 DA-A	HORPU 21 DA-A	RANAB 14 DA-A	RANAB 21 DA-A
1	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	90 b	95 c	93 ab	96 b
1	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	21EPP	A						
2	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	90 b	96 bc	93 ab	98 ab
2	SENCOR	75	WG	0.1875	lb ai/a	4	oz/a	21EPP	A						
3	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	92 b	97 b	93 ab	99 a
3	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	21EPP	A						
4	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	90 b	96 bc	93 ab	98 ab
4	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	21EPP	A						
4	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	PRE	B						
4	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C						
5	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	98 a	99 a	93 ab	99 a
5	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B						
5	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B						
6	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	98 a	99 a	90 b	99 a
6	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B						
6	SENCOR	75	WG	0.38	lb ai/a	8.1	oz/a	PRE	B						
7	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	99 a	99 a	92 ab	99 a
7	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B						
7	SENCOR	75	WG	0.5	lb ai/a	10.7	oz/a	PRE	B						
8	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	99 a	99 a	95 a	99 a
8	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B						
8	PURSUIT	2	SL	0.0313	lb ai/a	2	fl oz/a	PRE	B						
8	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C						
9	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	99 a	99 a	92 ab	99 a
9	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B						
9	PURSUIT	2	SL	0.0625	lb ai/a	4	fl oz/a	PRE	B						
9	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C						
10	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	98 a	99 a	95 a	99 a
10	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B						
10	PROWL H2O	3.8	CS	1.07	lb ai/a	36	fl oz/a	PRE	B						
10	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C						
11	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	99 a	99 a	99 a	99 a	93 ab	99 a
11	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B						
11	REFLEX	2	EC	0.25	lb ai/a	16	fl oz/a	PRE	B						
11	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C						
12	NONTREATED									0 b	0 b	0 c	0 d	0 c	0 c
LSD (P=.05)										0.0	0.0	3.2	1.6	3.7	1.8
Replicate F										0.000	0.000	2.984	2.972	2.714	2.655
Replicate Prob(F)										1.0000	1.0000	0.0713	0.0720	0.0884	0.0927
Treatment F										0.000	0.000	659.551	2653.803	446.286	2072.610
Treatment Prob(F)										1.0000	1.0000	0.0001	0.0001	0.0001	0.0001

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

Glyphos X-tra and Metribuzin Combinations for Weed Management in No-Till Soybean.

Project Code: 07-1-E40 Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code	SETFA	SETFA	SETFA	SETFA	CHEAL	CHEAL	CHEAL	CHEAL
Crop Code	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	5-16-07	6-22-07	7-6-07	7-20-07	5-16-07	6-22-07	7-6-07	7-20-07
Rating Date	21 DA-A	21 DA-B	35 DA-B	49 DA-B	21 DA-A	21 DA-B	35 DA-B	49 DA-B
Trt-Eval Interval	21 DA-A	21 DA-B	35 DA-B	49 DA-B	21 DA-A	21 DA-B	35 DA-B	49 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	7-6-07	7-20-07	5-16-07	6-22-07	7-6-07	7-20-07		
1	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	7 c	10 bc	10 de	0 c	82 b	73 b	78 c	80 e
1	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	21EPP	A								
2	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	23 ab	10 bc	13 cd	3 c	93 a	70 b	90 b	90 d
2	SENCOR	75	WG	0.1875	lb ai/a	4	oz/a	21EPP	A								
3	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	30 a	20 b	23 c	0 c	97 a	80 b	90 b	90 d
3	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	21EPP	A								
4	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	13 bc	98 a	98 ab	77 a	83 b	99 a	99 a	93 bcd
4	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	21EPP	A								
4	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	PRE	B								
4	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C								
5	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 c	98 a	87 b	53 b	0 c	97 a	92 b	92 cd
5	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B								
5	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B								
6	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 c	98 a	96 ab	82 a	0 c	98 a	99 a	99 a
6	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B								
6	SENCOR	75	WG	0.38	lb ai/a	8.1	oz/a	PRE	B								
7	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 c	98 a	96 ab	82 a	0 c	99 a	99 a	96 abc
7	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B								
7	SENCOR	75	WG	0.5	lb ai/a	10.7	oz/a	PRE	B								
8	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 c	99 a	99 a	94 a	0 c	99 a	99 a	99 a
8	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B								
8	PURSUIT	2	SL	0.0313	lb ai/a	2	fl oz/a	PRE	B								
8	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C								
9	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 c	99 a	99 a	99 a	0 c	99 a	99 a	98 ab
9	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B								
9	PURSUIT	2	SL	0.0625	lb ai/a	4	fl oz/a	PRE	B								
9	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C								
10	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 c	99 a	96 ab	83 a	0 c	99 a	99 a	92 cd
10	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B								
10	PROWL H2O	3.8	CS	1.07	lb ai/a	36	fl oz/a	PRE	B								
10	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C								
11	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 c	99 a	98 ab	82 a	0 c	99 a	99 a	92 cd
11	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B								
11	REFLEX	2	EC	0.25	lb ai/a	16	fl oz/a	PRE	B								
11	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C								
12	NONTREATED									0 c	0 c	0 e	0 c	0 c	0 c	0 d	0 f
LSD (P=.05)										14.3	11.2	11.9	22.9	8.1	12.1	6.2	5.7
Replicate F										0.274	0.654	0.035	1.037	0.816	3.430	1.394	5.011
Replicate Prob(F)										0.7629	0.5299	0.9652	0.3713	0.4550	0.0505	0.2691	0.0161
Treatment F										4.683	132.321	106.983	27.666	250.432	48.357	176.285	193.561
Treatment Prob(F)										0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

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Project Code: 07-1-E40 Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code	AMATA	AMATA	AMATA	AMATA
Crop Code				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	5-16-07	6-22-07	7-6-07	7-20-07
Trt-Eval Interval	21 DA-A	21 DA-B	35 DA-B	49 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	21 DA-A	21 DA-B	35 DA-B	49 DA-B
1	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	27 c	7 d	13 d	7 cd
1	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	21EPP	A				
2	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	47 b	0 d	0 e	0 d
2	SENCOR	75	WG	0.1875	lb ai/a	4	oz/a	21EPP	A				
3	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	62 a	0 d	0 e	0 d
3	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	21EPP	A				
4	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	40 bc	99 a	98 ab	75 ab
4	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	21EPP	A				
4	SENCOR	75	WG	0.125	lb ai/a	2.67	oz/a	PRE	B				
4	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C				
5	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 d	83 c	47 c	20 c
5	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B				
5	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B				
6	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 d	87 bc	50 c	20 c
6	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B				
6	SENCOR	75	WG	0.38	lb ai/a	8.1	oz/a	PRE	B				
7	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 d	97 ab	92 b	58 b
7	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	PRE	B				
7	SENCOR	75	WG	0.5	lb ai/a	10.7	oz/a	PRE	B				
8	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 d	99 a	96 ab	65 b
8	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B				
8	PURSUIT	2	SL	0.0313	lb ai/a	2	fl oz/a	PRE	B				
8	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C				
9	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 d	98 a	98 ab	72 ab
9	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B				
9	PURSUIT	2	SL	0.0625	lb ai/a	4	fl oz/a	PRE	B				
9	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C				
10	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 d	98 a	99 a	77 ab
10	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B				
10	PROWL H2O	3.8	CS	1.07	lb ai/a	36	fl oz/a	PRE	B				
10	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C				
11	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	21EPP	A	0 d	99 a	99 a	90 a
11	SENCOR	75	WG	0.25	lb ai/a	5.33	oz/a	PRE	B				
11	REFLEX	2	EC	0.25	lb ai/a	16	fl oz/a	PRE	B				
11	GLYFOS X-TRA	3	SL	0.75	lb ae/a	32	fl oz/a	POST	C				
12	NONTREATED									0 d	0 d	0 e	0 d
LSD (P=.05)										14.0	9.9	6.9	19.3
Replicate F										0.398	1.090	0.358	0.230
Replicate Prob(F)										0.6762	0.3537	0.7028	0.7965
Treatment F										23.022	188.937	346.909	28.863
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

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

Trial Comments

1. Protocol: Cheminova.
2. Ratings: WC 14 + 21 DA"A"; CI/WC 21, 35, and 49 DA PRE.
3. After the final rating, use the appropriate herbicide treatment for the remainder of the season.
4. DA-A and DA-B = Days after 21EPP and PRE applications, respectively.
5. The POST application of Glyphos X-tra in treatments 4, 8, 9, 10 and 11 was added to the treatment list after the plots were established.