

Fierce and Harrow in No-Till Corn.

Trial ID: 13-5C Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Trial Status: F one-year/final Initiation Date: 5-1-13 Completion Date: 8-10-13		Trial Location
City: Belleville State/Prov.: Illinois IL Postal Code: 62221	Country: USA	

Objectives:
Evaluate the efficacy of Fierce and Harrow in No-Till Corn.

Study Director: Bryan Young Organization: Southern Illinois University Address: 1205 Lincoln Drive - AG 176 - MC 4415 City+State/Prov: Carbondale IL Postal Code: 62901 Country: USA		Title: Professor Phone No.: 618-453-7679 Mobile No.: 618-713-6471 E-mail: bgyoung@siu.edu
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Crop 1: ZEAMD Zea mays indentata Dent corn Variety: DKC 63-33 BBCH Scale: BCOR Description: SS RIB		Crop Description
Planting Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN Row Spacing, Unit: 30 IN		
Planting Date: 6-15-13 Planting Method: SEEDED		

Pest 1 Type: W Code: HORPU Hordeum pusillum Nutt. Common Name: barley, little		Pest Description
Pest 2 Type: W Code: RANAB Ranunculus abortivus L. Common Name: buttercup, smallflower		
Pest 3 Type: W Code: STEME Stellaria media (L.) Vill. Common Name: chickweed, common		
Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common		
Pest 5 Type: W Code: XANST Xanthium strumarium L. Common Name: cocklebur, common		
Pest 6 Type: W Code: PANDI Panicum dichotomiflorum Michx. Common Name: panicum, fall		

Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 30 FT Total Plot Length: 30 FT		Site and Design Site Type: FIELD Experimental Unit: 1 PLOT Tillage Type: NOTILL no-till Study Design: RACOB L Randomized Complete Block (RCB)
Replications: 4 Untreated Arrangement: INCLUDED single control randomized in each block		
No.	Previous Crop	Year
1.	ZEAMD	2012

Maintenance	
No.	Maintenance Product Name
1.	N 150 LB/A, P2O5 50 LB/A, K2O 150 LB/A

% OM: 2.6 Texture: SIL silt loam pH: 7.2 Soil Name: Pierron CEC: 7			Soil Description
Additional Measured Elements			
Element	Quantity	Unit	
P1	48	lb/A	
K	247	lb/A	

Overall Moisture Conditions: ABONOR Closest Weather Station: ICN - Belleville IL		Moisture and Weather Conditions Distance, Unit: 0.5 MI
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No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	4-7-13					7	DAY	34	82	F
2.	4-10-13	1.4	IN	RAIN	rain	2	DAY			
3.	4-14-13					7	DAY	31	82	F
4.	4-16-13	1.05	IN	RAIN	rain	2	DAY			
5.	4-18-13	5.2	IN	RAIN	rain	1	DAY			
6.	4-21-13					7	DAY	35	72	F
7.	4-23-13	1.35	IN	RAIN	rain	2	DAY			
8.	4-27-13	0.3	IN	RAIN	rain	2	DAY			
9.	4-28-13					7	DAY	41	83	F
10.	5-3-13	3.07	IN	RAIN	rain	4	DAY			
11.	5-5-13					7	DAY	46	80	F
12.	5-9-13	0.35	IN	RAIN	rain	2	DAY			
13.	5-12-13					7	DAY	39	92	F
14.	5-16-13	0.55	IN	RAIN	rain	2	DAY			
15.	5-19-13					7	DAY	45	88	F
16.	5-20-13	0.67	IN	RAIN	rain	2	DAY			
17.	5-26-13					7	DAY	56	86	F
18.	5-27-13	1.23	IN	RAIN	rain	2	DAY			
19.	5-30-13	0.51	IN	RAIN	rain	3	DAY			
20.	5-31-13	3.46	IN	RAIN	rain	2	DAY			
21.	6-2-13					7	DAY	50	80	F
22.	6-9-13					7	DAY	59	94	F
23.	6-10-13	0.48	IN	RAIN	rain	2	DAY			
24.	6-16-13					7	DAY	61	90	F
25.	6-17-13	2.16	IN	RAIN	rain	3	DAY			
26.	6-23-13					7	DAY	64	92	F
27.	6-23-13	5.33	IN	RAIN	rain	2	DAY			
28.	6-26-13	0.46	IN	RAIN	rain	1	DAY			
29.	6-29-13	0.19	IN	RAIN	rain	2	DAY			
30.	6-30-13					7	DAY	61	86	F
31.	7-2-13	2.08	IN	RAIN	rain	2	DAY			
32.	7-7-13					7	DAY	62	94	F
33.	7-10-13	0.2	IN	RAIN	rain	1	DAY			
34.	7-14-13					7	DAY	64	94	F
35.	7-15-13	0.03	IN	RAIN	rain	1	DAY			
36.	7-20-13	0.59	IN	RAIN	rain	1	DAY			
37.	7-21-13					7	DAY	56	91	F
38.	7-26-13	0.03	IN	RAIN	rain	1	DAY			
39.	7-28-13					7	DAY	52	87	F
40.	7-30-13	0.46	IN	RAIN	rain	1	DAY			
41.	8-2-13	0.24	IN	RAIN	rain	1	DAY			
42.	8-4-13					7	DAY	62	87	F
43.	8-8-13	0.03	IN	RAIN	rain	3	DAY			
44.	8-11-13					7	DAY	54	85	F
45.	8-12-13	0.57	IN	RAIN	rain	1	DAY			
46.	8-18-13	0.1	IN	RAIN	rain	1	DAY			
47.	8-18-13					7	DAY	61	91	F
48.	8-25-13					7	DAY	62	100	F
49.	8-31-13	0.74	IN	RAIN	rain	1	DAY			
50.	9-1-13					7	DAY	57	92	F
51.	9-8-13	0.26	IN	RAIN	rain	1	DAY			

Fierce and Harrow in No-Till Corn.

Trial ID: 13-5C Location: Belleville Res. Center Trial Year: 2013
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	A
Application Date:	5-1-13
Appl. Start Time:	8:30
Appl. Stop Time:	9:00
Application Method:	Spray
Application Timing:	7DBP
Application Placement:	BROFOL
Applied By:	RFK
Air Temperature, Unit:	73 F
% Relative Humidity:	64
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	N
Soil Temperature, Unit:	60 F
Soil Moisture:	ABONOR
% Cloud Cover:	0
Next Moisture Occurred On:	5-2-13
Time to Next Moisture, Unit:	33 HR

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	ZEAMD
Stage Scale Used:	DESC
Stage Majority, Percent:	NA

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale:	HORPU W
Stage Majority, Percent:	6
Stage Minimum, Percent:	5
Stage Maximum, Percent:	6
Height, Unit:	6 IN
Height Minimum, Maximum:	4 8
Density, Unit:	5 FT2
Pest 2 Code, Type, Scale:	RANAB W
Stage Majority, Percent:	10+
Stage Minimum, Percent:	10
Stage Maximum, Percent:	10+
Height, Unit:	12 IN
Height Minimum, Maximum:	12 14
Density, Unit:	0.1 FT2
Pest 3 Code, Type, Scale:	STEME W
Stage Majority, Percent:	10+
Stage Minimum, Percent:	10
Stage Maximum, Percent:	10+
Height, Unit:	4 IN
Height Minimum, Maximum:	4 5
Density, Unit:	0.1 FT2
Pest 4 Code, Type, Scale:	AMATA W
Stage Majority, Percent:	NA
Pest 5 Code, Type, Scale:	XANST W
Stage Majority, Percent:	NA
Pest 6 Code, Type, Scale:	PANDI W
Stage Majority, Percent:	NA

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	A
Appl. Equipment:	CO2 sprayer
Equipment Type:	BACSPR
Operation Pressure, Unit:	30 PSI
Nozzle Type:	XR
Nozzle Size:	8002
Boom Length, Unit:	7.5 FT
Spray Volume, Unit:	15 GPA

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Pest Code	Crop Code	Rating Date	Rating Type	Rating Unit	Rating Timing	Trt-Eval Interval	ZEAMD 6-29-13 Injury Percent 14 DAP 59 DA-A	ZEAMD 7-13-13 Injury Percent 28 DAP 73 DA-A	ZEAMD 7-27-13 Injury Percent 42 DAP 87 DA-A	HORPU 5-15-13 Control Percent 14 DA-A	HORPU 5-29-13 Control Percent 28 DA-A	RANAB 5-15-13 Control Percent 14 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	NONTREATED									0 a	0 a	0 a
2	ROUNDUP POWERMAX 2,4-D LV 4 FIERCE AMS	4.5 SL 3.8 EC 76 WG 100 SG		0.77 lb ae/a 0.95 lb ae/a 0.143 lb ai/a 2.5 lb/a		22 fl oz/a 2 pt/a 3 oz/a 2.5 lb/a		7DBP A 7DBP A 7DBP A 7DBP A		0 a	0 a	0 a
3	ROUNDUP POWERMAX 2,4-D LV 4 FIERCE AATREX 4L AMS	4.5 SL 3.8 EC 76 WG 4 SC 100 SG		0.77 lb ae/a 0.95 lb ae/a 0.143 lb ai/a 1.5 lb ai/a 2.5 lb/a		22 fl oz/a 2 pt/a 3 oz/a 1.5 qt/a 2.5 lb/a		7DBP A 7DBP A 7DBP A 7DBP A 7DBP A		0 a	0 a	0 a
4	LEXAR EZ ROUNDUP POWERMAX 2,4-D LV 4 AMS	3.7 SC 4.5 SL 3.8 EC 100 SG		1.85 lb ai/a 0.77 lb ae/a 0.95 lb ae/a 2.5 lb/a		2 qt/a 22 fl oz/a 2 pt/a 2.5 lb/a		7DBP A 7DBP A 7DBP A 7DBP A		0 a	0 a	0 a
5	HARROW GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	75 WG 3 SL 100 SL 100 SG		0.0117 lb ai/a 0.75 lb ae/a 0.25 % v/v 2.5 lb/a		0.25 oz/a 32 fl oz/a 0.25 % v/v 2.5 lb/a		7DBP A 7DBP A 7DBP A 7DBP A		0 a	0 a	0 a
6	HARROW GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	75 WG 3 SL 100 SL 100 SG		0.0234 lb ai/a 0.75 lb ae/a 0.25 % v/v 2.5 lb/a		0.50 oz/a 32 fl oz/a 0.25 % v/v 2.5 lb/a		7DBP A 7DBP A 7DBP A 7DBP A		0 a	0 a	0 a
7	HARROW GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	75 WG 3 SL 100 SL 100 SG		0.047 lb ai/a 0.75 lb ae/a 0.25 % v/v 2.5 lb/a		1 oz/a 32 fl oz/a 0.25 % v/v 2.5 lb/a		7DBP A 7DBP A 7DBP A 7DBP A		0 a	0 a	0 a
8	BASIS GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	75 WG 3 SL 100 SL 100 SG		0.0234 lb ai/a 0.75 lb ae/a 0.25 % v/v 2.5 lb/a		0.50 oz/a 32 fl oz/a 0.25 % v/v 2.5 lb/a		7DBP A 7DBP A 7DBP A 7DBP A		0 a	0 a	0 a
9	GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	3 SL 100 SL 100 SG		0.75 lb ae/a 0.25 % v/v 2.5 lb/a		32 fl oz/a 0.25 % v/v 2.5 lb/a		7DBP A 7DBP A 7DBP A		0 a	0 a	0 a
LSD (P=.05)										0.0	0.0	0.0
Standard Deviation										0.0	0.0	0.0
CV										0.0	0.0	0.0
Replicate F										0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval	STEME	AMATA	AMATA	AMATA	AMATA	AMATA
	5-15-13 Control Percent	5-29-13 Control Percent	6-12-13 Control Percent	7-13-13 Control Percent	7-27-13 Control Percent	8-10-13 Control Percent
	14 DA-A	28 DA-A	42 DA-A	73 DA-A	87 DA-A	101 DA-A
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit Unit	Other Rate	Other Rate Unit Unit	Growth Appl Stage Code
1 NONTREATED						
	0 a	0 b	0 c	0 c	0 c	0 c
2 ROUNDUP POWERMAX 2,4-D LV 4 FIERCE AMS	4.5 SL 3.8 EC 76 WG 100 SG	0.77 lb ae/a 0.95 lb ae/a 0.143 lb ai/a 2.5 lb/a	22 fl oz/a 2 pt/a 3 oz/a 2.5 lb/a	7DBP A 7DBP A 7DBP A 7DBP A	99 a	99 a
					92 a	75 a
					59 a	51 a
3 ROUNDUP POWERMAX 2,4-D LV 4 FIERCE AATREX 4L AMS	4.5 SL 3.8 EC 76 WG 4 SC 100 SG	0.77 lb ae/a 0.95 lb ae/a 0.143 lb ai/a 1.5 lb ai/a 2.5 lb/a	22 fl oz/a 2 pt/a 3 oz/a 1.5 qt/a 2.5 lb/a	7DBP A 7DBP A 7DBP A 7DBP A 7DBP A	99 a	99 a
					90 ab	53 ab
					41 ab	41 ab
4 LEXAR EZ ROUNDUP POWERMAX 2,4-D LV 4 AMS	3.7 SC 4.5 SL 3.8 EC 100 SG	1.85 lb ai/a 0.77 lb ae/a 0.95 lb ae/a 2.5 lb/a	2 qt/a 22 fl oz/a 2 pt/a 2.5 lb/a	7DBP A 7DBP A 7DBP A 7DBP A	99 a	74 a
					64 ab	33 bc
					18 bc	18 bc
5 HARROW GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	75 WG 3 SL 100 SL 100 SG	0.0117 lb ai/a 0.75 lb ae/a 0.25 % v/v 2.5 lb/a	0.25 oz/a 32 fl oz/a 0.25 % v/v 2.5 lb/a	7DBP A 7DBP A 7DBP A 7DBP A	99 a	50 ab
					40 bc	15 bc
					5 c	5 c
6 HARROW GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	75 WG 3 SL 100 SL 100 SG	0.0234 lb ai/a 0.75 lb ae/a 0.25 % v/v 2.5 lb/a	0.50 oz/a 32 fl oz/a 0.25 % v/v 2.5 lb/a	7DBP A 7DBP A 7DBP A 7DBP A	99 a	72 a
					66 ab	35 abc
					23 bc	23 bc
7 HARROW GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	75 WG 3 SL 100 SL 100 SG	0.047 lb ai/a 0.75 lb ae/a 0.25 % v/v 2.5 lb/a	1 oz/a 32 fl oz/a 0.25 % v/v 2.5 lb/a	7DBP A 7DBP A 7DBP A 7DBP A	99 a	97 a
					75 ab	30 bc
					8 c	6 c
8 BASIS GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	75 WG 3 SL 100 SL 100 SG	0.0234 lb ai/a 0.75 lb ae/a 0.25 % v/v 2.5 lb/a	0.50 oz/a 32 fl oz/a 0.25 % v/v 2.5 lb/a	7DBP A 7DBP A 7DBP A 7DBP A	99 a	72 a
					53 ab	20 bc
					8 c	3 c
9 GLYFOS X-TRA NIS (ACTIVATOR 90) AMS	3 SL 100 SL 100 SG	0.75 lb ae/a 0.25 % v/v 2.5 lb/a	32 fl oz/a 0.25 % v/v 2.5 lb/a	7DBP A 7DBP A 7DBP A	99 a	68 a
					61 ab	8 c
					5 c	1 c
LSD (P=.05)	0.0	56.6	49.7	41.1	29.7	28.6
Standard Deviation	0.0	38.8	34.1	28.2	20.4	19.6
CV	0.0	55.42	56.8	94.79	111.15	119.41
Replicate F	0.000	0.243	0.258	1.123	0.459	0.486
Replicate Prob(F)	1.0000	0.8653	0.8548	0.3593	0.7132	0.6952
Treatment F	0.000	2.575	2.681	2.704	3.737	3.649
Treatment Prob(F)	1.0000	0.0348	0.0293	0.0282	0.0057	0.0065

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Pest Code										XANST	XANST	XANST	XANST	XANST
Crop Code										5-29-13	6-12-13	7-13-13	7-27-13	8-10-13
Rating Date										Control	Control	Control	Control	Control
Rating Type										Percent	Percent	Percent	Percent	Percent
Rating Unit														
Rating Timing										28 DAP	42 DAP	73 DAP	87 DAP	101 DAP
Trt-Eval Interval										28 DA-A	42 DA-A	73 DA-A	87 DA-A	101 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	NONTREATED									0 c	0 b	0 d	0 d	0 d
2	ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		7DBP A		90 ab	79 a	44 bc	20 cd	18 cd
	2,4-D LV 4	3.8 EC		0.95 lb ae/a		2 pt/a		7DBP A						
	FIERCE	76 WG		0.143 lb ai/a		3 oz/a		7DBP A						
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A						
3	ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		7DBP A		90 ab	80 a	71 ab	41 c	34 c
	2,4-D LV 4	3.8 EC		0.95 lb ae/a		2 pt/a		7DBP A						
	FIERCE	76 WG		0.143 lb ai/a		3 oz/a		7DBP A						
	AATREX 4L	4 SC		1.5 lb ai/a		1.5 qt/a		7DBP A						
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A						
4	LEXAR EZ	3.7 SC		1.85 lb ai/a		2 qt/a		7DBP A		82 ab	66 a	70 ab	35 c	33 c
	ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		7DBP A						
	2,4-D LV 4	3.8 EC		0.95 lb ae/a		2 pt/a		7DBP A						
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A						
5	HARROW	75 WG		0.0117 lb ai/a		0.25 oz/a		7DBP A		68 b	65 a	53 bc	25 cd	15 cd
	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A						
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A						
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A						
6	HARROW	75 WG		0.0234 lb ai/a		0.50 oz/a		7DBP A		94 ab	84 a	74 ab	45 bc	40 bc
	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A						
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A						
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A						
7	HARROW	75 WG		0.047 lb ai/a		1 oz/a		7DBP A		98 a	96 a	90 a	84 a	78 a
	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A						
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A						
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A						
8	BASIS	75 WG		0.0234 lb ai/a		0.50 oz/a		7DBP A		92 ab	92 a	88 a	79 ab	69 ab
	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A						
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A						
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A						
9	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A		80 ab	65 a	38 c	20 cd	15 cd
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A						
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A						
LSD (P=.05)										27.1	40.4	32.5	33.9	31.7
Standard Deviation										18.6	27.7	22.2	23.2	21.7
CV										24.1	39.71	38.05	59.84	65.2
Replicate F										0.769	0.825	0.675	1.468	1.502
Replicate Prob(F)										0.5229	0.4931	0.5759	0.2483	0.2394
Treatment F										10.639	4.245	6.543	5.678	5.595
Treatment Prob(F)										0.0001	0.0027	0.0002	0.0004	0.0005

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Pest Code								PANDI	PANDI	PANDI	PANDI
Crop Code								6-12-13	7-13-13	7-27-13	8-10-13
Rating Date								Control	Control	Control	Control
Rating Type								Percent	Percent	Percent	Percent
Rating Unit								28 DAP	42 DAP	42 DAP	56 DAP
Rating Timing								42 DA-A	73 DA-A	87 DA-A	101 DA-A
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	NONTREATED									0 c	0 d
2	ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		7DBP A		90 ab	45 bcd
	2,4-D LV 4	3.8 EC		0.95 lb ae/a		2 pt/a		7DBP A			
	FIERCE	76 WG		0.143 lb ai/a		3 oz/a		7DBP A			
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A			
3	ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		7DBP A		95 a	30 cde
	2,4-D LV 4	3.8 EC		0.95 lb ae/a		2 pt/a		7DBP A			
	FIERCE	76 WG		0.143 lb ai/a		3 oz/a		7DBP A			
	AATREX 4L	4 SC		1.5 lb ai/a		1.5 qt/a		7DBP A			
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A			
4	LEXAR EZ	3.7 SC		1.85 lb ai/a		2 qt/a		7DBP A		72 ab	45 bcd
	ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		7DBP A			
	2,4-D LV 4	3.8 EC		0.95 lb ae/a		2 pt/a		7DBP A			
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A			
5	HARROW	75 WG		0.0117 lb ai/a		0.25 oz/a		7DBP A		95 a	30 cde
	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A			
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A			
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A			
6	HARROW	75 WG		0.0234 lb ai/a		0.50 oz/a		7DBP A		97 a	60 abc
	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A			
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A			
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A			
7	HARROW	75 WG		0.047 lb ai/a		1 oz/a		7DBP A		99 a	88 a
	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A			
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A			
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A			
8	BASIS	75 WG		0.0234 lb ai/a		0.50 oz/a		7DBP A		99 a	75 ab
	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A			
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A			
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A			
9	GLYFOS X-TRA	3 SL		0.75 lb ae/a		32 fl oz/a		7DBP A		60 b	13 de
	NIS (ACTIVATOR 90)	100 SL		0.25 % v/v		0.25 % v/v		7DBP A			
	AMS	100 SG		2.5 lb/a		2.5 lb/a		7DBP A			
LSD (P=.05)								31.7	38.0	28.9	26.9
Standard Deviation								21.7	26.0	19.8	18.4
CV								27.73	60.81	73.83	77.98
Replicate F								1.526	0.597	0.824	1.931
Replicate Prob(F)								0.2332	0.6234	0.4933	0.1515
Treatment F								8.857	4.743	4.975	5.044
Treatment Prob(F)								0.0001	0.0014	0.0010	0.0009

Fierce and Harrow in No-Till Corn.

Trial ID: 13-5C Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Trial Comments

1. Protocol: Valent (Fierce 68.01), Cheminova (RIM2THI1301).
2. Ratings: CI 14, 28, and 42 DAP. WC 14, 28, and 42 DA-A, and 28, 42, and 56 DAP rate all plots each time.
3. Blanket POST application of Glyphosate (0.77 lbae/A) to be applied at 42 DAP, after the 42 DAP rating.
The planned POST blanket application could not be made because corn was too tall by 42 DAP.
4. Yield.
5. On 5-29-13 at 28 DA-A RANAB and STEME were senescing naturally in the nontreated plots and could no longer be evaluated.
On 6-12-13 at 42 DA-A HORPU was senescing naturally in the nontreated plots and could no longer be evaluated.
Emergence of summer annual weeds was reduced by a dense mat of winter annual weeds in some plots.
6. Trial was not yielded due to extremely poor corn stand from early season flooding.