

Kixor One and Two-Pass Programs in Corn.

Trial ID: 10-50W-MN50

Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 06-04-10

Objectives: Demonstrate efficacy and tolerance of Kixor in one-pass and two-pass programs in corn.

Crop 1: ZEAMD Dent corn Variety: DKC 61-69 Description: RR2 (VT3)
 Planting Method: SEEDED Planting Date: 06-04-10
 Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: SETFA Setaria faberi Herrm. foxtail, giant
 Pest 2 Type: W Code: IPOSS morningglory, species
 Pest 3 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant
 Pest 4 Type: W Code: ABUTH Abutilon theophrasti Medicus velvetleaf
 Pest 5 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 27 FT Tillage Type: REDUCED-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2009

Field Prep./Maintenance: N 150 LB/A, P205 50 LB/A, K20 150 LB/A

% OM: 1.7 Texture: SILT LOAM
 pH: 6.1 Soil Name: PIERRON
 CEC: 9 Fert. Level: P1: 51 LB/A, K: 285 LB/A

Application Description

	A	B
Application Date:	06-05-10	06-23-10
Time of Day:	11:45	6:15
Application Method:	Spray	Spray
Application Timing:	PRE	10-14"CN
Application Placement:	BROSIO	BROFOL
Applied By:	JK	NVH
Air Temperature, Unit:	84 F	76 F
% Relative Humidity:	92	92
Wind Velocity, Unit:	4 MPH	1 MPH
Wind Direction:	S	S
Dew Presence (Y/N):	N	Y
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:	60	0

	06-05-10	06-23-10
Crop stage at application:	NA	V4-V5
Height Min, Max (inch):		10 14

Pest Stage At Each Application

	06-05-10	06-25-10
Application Date:	06-05-10	06-25-10
Weed Code:	SETFA	SETFA
Stage Majority (leaves):	NA	NA
Weed Code:	IPOSS	IPOSS
Stage Majority (leaves):	NA	3
Stage Min, Max:		1 5
Height Majority:		3 IN
Height Min, Max:		1 6
Density, Unit:		0.2 FT2
Weed Code:	AMBTR	AMBTR
Stage Majority (leaves):	NA	3
Stage Min, Max:		1 7
Height Majority:		3 IN
Height Min, Max:		1 6
Density, Unit:		0.1 FT2
Weed Code:	ABUTH	ABUTH
Stage Majority (leaves):	NA	3
Stage Min, Max:		1 5
Height Majority:		2 IN
Height Min, Max:		1 4
Density, Unit:		0.1 FT2
Weed Code:	AMATA	AMATA
Stage Majority (leaves):	NA	NA

Application Equipment

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

Kixor One and Two-Pass Programs in Corn.

Trial ID: 10-50W-MN50

Location: Belleville Res. Center

Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

ZEAMD 06-23-10 Injury Percent 18 DA-A 0 DA-B	ZEAMD 07-14-10 Injury Percent 21 DA-B	ZEAMD 08-04-10 Injury Percent 42 DA-B	ZEAMD 09-01-10 Injury Percent 70 DA-B
---	---	---	---

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 b	0 a	0 a	0 a
2	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	0 b	0 a	0 a	0 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
2	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
3	LUMAX	3.95	SE	1.48	lb ai/a	1.5	qt/a	PRE	A	1 a	0 a	0 a	0 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
3	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
4	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	0 b	0 a	0 a	0 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
5	LEXAR	3.7	SC	1.62	lb ai/a	1.75	qt/a	PRE	A	0 b	0 a	0 a	0 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
5	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
6	HARNESS XTRA 5.6	5.6	EC	2.1	lb ai/a	1.5	qt/a	PRE	A	0 b	0 a	0 a	0 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
7	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	PRE	A	0 b	0 a	0 a	0 a
7	GUARDSMAN MAX	5	SE	1.87	lb ai/a	3	pt/a	PRE	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
7	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
8	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	A	0 b	0 a	0 a	0 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
8	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
9	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	0 b	0 a	0 a	0 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
9	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	10-14"CN	B				
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
9	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
10	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	0 b	0 a	0 a	0 a
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
10	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
10	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
LSD (P=.05)										0.9	0.0	0.0	0.0
Replicate F										1.000	0.000	0.000	0.000
Replicate Prob(F)										0.3874	1.0000	1.0000	1.0000
Treatment F										1.000	0.000	0.000	0.000
Treatment Prob(F)										0.4742	1.0000	1.0000	1.0000

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

Kixor One and Two-Pass Programs in Corn.

Trial ID: 10-50W-MN50

Location: Belleville Res. Center

Pest Code	SETFA	SETFA	SETFA	SETFA
Crop Code				
Rating Date	06-23-10	07-14-10	08-04-10	09-01-10
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	18 DA-A			
Trt-Eval Interval	0 DA-B	21 DA-B	42 DA-B	70 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 c	0 b	0 b	0 b
2	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
2	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
3	LUMAX	3.95	SE	1.48	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
3	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
4	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
5	LEXAR	3.7	SC	1.62	lb ai/a	1.75	qt/a	PRE	A	99 a	99 a	99 a	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
5	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
6	HARNESS XTRA 5.6	5.6	EC	2.1	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
7	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	PRE	A	97 b	99 a	99 a	99 a
7	GUARDSMAN MAX	5	SE	1.87	lb ai/a	3	pt/a	PRE	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
7	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
8	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	A	99 a	99 a	99 a	99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
8	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
9	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
9	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	10-14"CN	B				
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
9	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
10	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	99 a	99 a	99 a	99 a
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
10	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
10	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
LSD (P=.05)										1.1	0.0	0.0	0.0
Replicate F										1.000	0.000	0.000	0.000
Replicate Prob(F)										0.3874	1.0000	1.0000	1.0000
Treatment F										6753.539	0.000	0.000	0.000
Treatment Prob(F)										0.0001	1.0000	1.0000	1.0000

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

Kixor One and Two-Pass Programs in Corn.

Trial ID: 10-50W-MN50

Location: Belleville Res. Center

Pest Code	IPOSS	IPOSS	IPOSS	IPOSS
Crop Code	06-23-10	07-14-10	08-04-10	09-01-10
Rating Date	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent
Rating Unit	18 DA-A	21 DA-B	42 DA-B	70 DA-B
Rating Timing	0 DA-B			
Trt-Eval Interval				

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 f	0 f	0 f	0 b
2	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	58 de	90 e	83 e	99 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
2	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
3	LUMAX	3.95	SE	1.48	lb ai/a	1.5	qt/a	PRE	A	60 d	95 bc	94 ab	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
3	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
4	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	60 d	92 d	90 c	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
5	LEXAR	3.7	SC	1.62	lb ai/a	1.75	qt/a	PRE	A	67 cd	93 d	91 c	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
5	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
6	HARNESS XTRA 5.6	5.6	EC	2.1	lb ai/a	1.5	qt/a	PRE	A	79 b	95 bc	94 ab	99 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
7	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	PRE	A	99 a	96 ab	96 ab	99 a
7	GUARDSMAN MAX	5	SE	1.87	lb ai/a	3	pt/a	PRE	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
7	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
8	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	A	48 e	95 c	94 b	99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
8	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
9	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	68 cd	97 a	96 a	99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
9	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	10-14"CN	B				
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
9	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
10	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	75 bc	89 e	86 d	99 a
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
10	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
10	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				

LSD (P=.05)

10.3 1.5 2.3 0.0

Replicate F

0.982 0.594 1.684 0.000

Replicate Prob(F)

0.3936 0.5626 0.2136 1.0000

Treatment F

55.485 3629.142 1391.527 0.000

Treatment Prob(F)

0.0001 0.0001 0.0001 1.0000

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

Kixor One and Two-Pass Programs in Corn.

Trial ID: 10-50W-MN50

Location: Belleville Res. Center

Pest Code	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code				
Rating Date	06-23-10	07-14-10	08-04-10	09-01-10
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	18 DA-A			
Trt-Eval Interval	0 DA-B	21 DA-B	42 DA-B	70 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 f	0 c	0 b	0 b
2	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	83 bc	98 ab	98 a	99 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
2	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
3	LUMAX	3.95	SE	1.48	lb ai/a	1.5	qt/a	PRE	A	85 b	99 a	99 a	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
3	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
4	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	72 de	98 ab	96 a	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
5	LEXAR	3.7	SC	1.62	lb ai/a	1.75	qt/a	PRE	A	65 e	99 a	99 a	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
5	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
6	HARNESS XTRA 5.6	5.6	EC	2.1	lb ai/a	1.5	qt/a	PRE	A	90 ab	99 a	99 a	99 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
7	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
7	GUARDSMAN MAX	5	SE	1.87	lb ai/a	3	pt/a	PRE	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
7	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
8	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	A	73 cde	99 a	99 a	99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
8	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
9	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	70 e	99 ab	99 a	99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
9	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	10-14"CN	B				
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
9	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
10	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	82 bcd	97 b	96 a	99 a
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
10	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
10	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
LSD (P=.05)										10.6	1.9	3.1	0.0
Replicate F										0.500	2.671	2.389	0.000
Replicate Prob(F)										0.6149	0.0964	0.1202	1.0000
Treatment F										57.975	2266.744	876.345	0.000
Treatment Prob(F)										0.0001	0.0001	0.0001	1.0000

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

Kixor One and Two-Pass Programs in Corn.

Trial ID: 10-50W-MN50

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code				
Rating Date	06-23-10	07-14-10	08-04-10	09-01-10
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	18 DA-A			
Trt-Eval Interval	0 DA-B	21 DA-B	42 DA-B	70 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 f	0 b	0 b	0 b
2	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	48 e	98 a	98 a	99 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
2	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
3	LUMAX	3.95	SE	1.48	lb ai/a	1.5	qt/a	PRE	A	96 ab	99 a	99 a	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
3	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
4	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	90 b	99 a	99 a	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
5	LEXAR	3.7	SC	1.62	lb ai/a	1.75	qt/a	PRE	A	99 a	99 a	99 a	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
5	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
6	HARNESS XTRA 5.6	5.6	EC	2.1	lb ai/a	1.5	qt/a	PRE	A	94 ab	99 a	99 a	99 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
7	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	PRE	A	99 a	98 a	97 a	99 a
7	GUARDSMAN MAX	5	SE	1.87	lb ai/a	3	pt/a	PRE	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
7	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
8	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	A	45 e	99 a	96 a	99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
8	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
9	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	57 d	99 a	99 a	99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
9	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	10-14"CN	B				
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
9	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
10	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	72 c	97 a	96 a	99 a
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
10	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
10	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
LSD (P=.05)										8.3	2.3	4.2	0.0
Replicate F										0.575	1.588	2.202	0.000
Replicate Prob(F)										0.5727	0.2316	0.1395	1.0000
Treatment F										135.714	1653.717	477.709	0.000
Treatment Prob(F)										0.0001	0.0001	0.0001	1.0000

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

Kixor One and Two-Pass Programs in Corn.

Trial ID: 10-50W-MN50

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA
Crop Code				
Rating Date	06-23-10	07-14-10	08-04-10	09-01-10
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	18 DA-A			
Trt-Eval Interval	0 DA-B	21 DA-B	42 DA-B	70 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 b	0 b	0 b	0 b
2	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
2	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
3	LUMAX	3.95	SE	1.48	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
3	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
4	CORVUS	2.62	SC	0.0614	lb ai/a	3	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
4	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
5	LEXAR	3.7	SC	1.62	lb ai/a	1.75	qt/a	PRE	A	99 a	99 a	99 a	99 a
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
5	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
6	HARNESS XTRA 5.6	5.6	EC	2.1	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
7	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
7	GUARDSMAN MAX	5	SE	1.87	lb ai/a	3	pt/a	PRE	A				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
7	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
8	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	A	99 a	99 a	99 a	99 a
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
8	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
9	INTEGRITY	5.57	EC	0.696	lb ai/a	16	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
9	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	10-14"CN	B				
9	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
9	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
10	DEGREE XTRA	4.04	CS	2.02	lb ai/a	2	qt/a	PRE	A	99 a	99 a	99 a	99 a
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	10-14"CN	B				
10	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	10-14"CN	B				
10	AMS	100	SG	2	% w/w	17	lb/100 gal	10-14"CN	B				
LSD (P=.05)										0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

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

Trial Comments

1. Protocol: BASF (Kixor 11).
2. Ratings: CI/WC at 0, 3, 6, and 10 WA POST.
3. IPOSS = Morningglory species including IPOHE (ivyleaf morningglory) and IPOLA (pitted morningglory).
4. Not harvested.