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Kixor one and two pass programs in corn.

Trial ID: 10S-THP-CTC-64 Protocol ID: 10S-THP-CTC-64
 Location: Throckmorton Study Director: White/Marquardt
 Project ID: Investigator: Dr. Bill Johnson
 Sponsor Contact: BASF - Gery Welker

General Trial Information

Study Director: White/Marquardt **Title:** Research Associate
Investigator: Dr. Bill Johnson **Title:** Professor

Discipline: H herbicide
Trial Status: E established
Initiation Date: 3-18-2010

Trial Location

City: Lafayette USA 49.376656 - 24.53833
State/Prov.: IN -124.715843 - -66.968887
Postal Code: 47909
Country: USA

Personnel

Study Director: White/Marquardt **Title:** Research Associate
Affiliation: Purdue University
Address: 915 W State Street
Location: West Lafayette, IN, USA
Postal Code: 47907 **E-mail:** mdwhite@purdue.edu
Phone No.: 765-494-0891

Investigator: Dr. Bill Johnson **Title:** Professor
Affiliation: Purdue University
Address: 915 W State Street
Location: West Lafayette, IN, USA
Postal Code: 47907 **E-mail:** wgj@purdue.edu
Phone No.: 765-494-4656 **Mobile No.:** 765-404-9801

Cooperator/Landowner

Cooperator: Throckmorton Purdue Ag Center **Role:** Purdue Ag Center
Organization: Purdue University
Address 1: 8343 US 231 S

City: Lafayette **Phone No.:** 765-538-3422
State/Prov: IN **Fax No.:** 765-538-3423
Postal Code: 47909 **E-mail:** jayyoung@purdue.edu
Country: USA United States

Crop Description

Crop 1: ZEAMD Zea mays indentata Dent corn
Variety: Dekalb DKC 61-19 **Description:** RR/VT3
BBCH Scale: BCOR **Planting Date:** 4-19-2010
Emergence Date: 5-2-2010

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant foxtail

Pest 2 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed

Pest 3 Type: W **Code:** TAROF *Taraxacum officinale*
Common Name: Common dandelion

Pest 4 Type: W **Code:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed

Pest 5 Type: W **Code:** ABUTH *Abutilon theophrasti*
Common Name: Velvetleaf

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Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 30 FT
Plot Area, Unit: 300 FT²
Replications: 4

Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: CONTIL conventional-till
Study Design: RACOB� Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

Soil Description

Description Name: TPAC -Field 4A
% OM: 3.1 **Texture:** SIL silt loam
pH: 6 **Soil Name:** Toronto-Millbrook
CEC: 11.1

Application Description

	A	B
Application Date:	4-20-2010	5-26-2010
Time of Day:		9-9:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	ATPLAN	MIPOWE
Application Placement:	FOLIAR	FOLIAR
Applied By:		MH
Air Temperature, Unit:	55 F	82 F
% Relative Humidity:	57	51
Wind Velocity, Unit:	2 MPH	1.1 MPH
Wind Direction:	SE	NW
Dew Presence (Y/N):	Y yes	N no
Soil Temperature, Unit:	55 F	78 F
Soil Moisture:	DRY	DRY
% Cloud Cover:	80	20

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMD BCOR	ZEAMD BCOR
Stage Scale Used:		BBCH
Stage Majority, Percent:		V4
Stage Maximum, Percent:		V5 20
Height, Unit:		10 IN

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Pest Stage At Each Application		
	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Height, Unit:		4.5 IN
Height Minimum, Maximum:		2 7
Density, Unit:		200 YD2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W
Height, Unit:		7 IN
Height Minimum, Maximum:		2 12
Density, Unit:		5 YD2
Pest 3 Code, Type, Scale:	TAROF W	TAROF W
Height, Unit:		2 IN
Density, Unit:		7 YD2
Pest 4 Code, Type, Scale:	AMARE W	AMARE W
Height, Unit:		3 IN
Height Minimum, Maximum:		2 4
Density, Unit:		8 YD2
Pest 5 Code, Type, Scale:	ABUTH W	ABUTH W
Height, Unit:		2.5 IN
Height Minimum, Maximum:		1 4
Density, Unit:		7 YD2

Application Equipment		
	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	17 PSI	17 PSI
Nozzle Type:	Flat Fan	Flat Fan
Nozzle Size:	XR11002	XR11002
Nozzle Spacing, Unit:	15 IN	15 IN
Nozzles/Row:	6	6
Boom Length, Unit:	7.5 FT	7.5 FT
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	MEIGS	MEIGS
Water Hardness (ppm CaCO3):	150	150
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC
Mix Size, Unit:	1.8 Liters	1.8 Liters
Propellant:	CO2	CO2
Tank Mix (Y/N):	N no	N no

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 Location: Throckmorton Study Director: White/Marquardt
 Project ID: Investigator: Dr. Bill Johnson
 Sponsor Contact: BASF - Gery Welker

Pest Type	W Weed SETFA	W Weed AMBTR	W Weed ABUTH	W Weed POLPE	W Weed TAROF	W Weed IPOHE			
Pest Code	Setaria faberi	Ambrosia trifi>	Abutilon theop>	Polygonum pers>	Taraxacum offi>	Ipomoea heder>			
Pest Scientific Name	Giant foxtail	Giant ragweed	Velvetleaf	Ladysthumb	Common dandel>	Ivyleaf mornin>			
Pest Name									
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Crop Variety									
Description									
Rating Date	5-13-2010	5-13-2010	5-13-2010	5-13-2010	5-13-2010	5-13-2010			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority									
Pest Stage Majority	.75"	1.75"	.75"	.5"	4"	.5"			
Pest Density, Unit	170 YD2	6 YD2	4 YD2	100 YD2	6 YD2	2 YD2			
Assessed By	MW	MW	MW	MW	MW	MW			
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	1	2	3	4	5	6
1 Untreated Check				0.0 c	0.0 c	0.0 c	0.0 b	0.0 c	49.5 a
2 Integrity (5.57 SC)	0.696 lb ai/a	A		99.0 a	78.8 a	99.0 a	99.0 a	22.5 bc	86.8 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
3 Lexar (3.7 SC)	2.08 lb ai/a	A		99.0 a	77.5 a	99.0 a	99.0 a	71.3 a	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
4 Corvus (2.63 SC)	0.115 lb ai/a	A		85.0 b	85.0 a	99.0 a	99.0 a	20.0 bc	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
5 Sharpen 2.85 SC	0.067 lb ai/a	A		99.0 a	65.0 ab	99.0 a	99.0 a	23.8 bc	74.5 a
Prowl H2O (3.8 L)	1.9 lb ai/a	A							
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
6 Harness Xtra 5.6 (5.6 SC)	2.1 lb ai/a	A		99.0 a	71.3 ab	94.3 a	99.0 a	2.5 c	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
7 Sharpen 2.85 SC	0.067 lb ai/a	A		99.0 a	83.8 a	99.0 a	99.0 a	45.0 ab	86.8 a
Harness Xtra 5.6 (5.6 SC)	2.1 lb ai/a	A							
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
8 SureStart (4.25 SC)	1.06 lb ai/a	A		99.0 a	52.5 b	37.3 b	99.0 a	40.0 b	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	SETFA	AMBTR	ABUTH	POLPE	TAROF	IPOHE			
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Abutilon theop>	Polygonum pers>	Taraxacum offi>	Ipomoea heder>			
Pest Name	Giant foxtail	Giant ragweed	Velvetleaf	Ladysthumb	Common dandel>	Ivyleaf mornin>			
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Crop Variety									
Description									
Rating Date	5-13-2010	5-13-2010	5-13-2010	5-13-2010	5-13-2010	5-13-2010			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority									
Pest Stage Majority	.75"	1.75"	.75"	.5"	4"	.5"			
Pest Density, Unit	170 YD2	6 YD2	4 YD2	100 YD2	6 YD2	2 YD2			
Assessed By	MW	MW	MW	MW	MW	MW			
Trt Treatment	Rate	Appl	1	2	3	4	5	6	
No. Name	Rate	Unit	Code						
9 Integrity (5.57 SC)	0.696 lb ai/a	A		99.0 a	87.3 a	99.0 a	99.0 a	17.5 bc	91.8 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
Status (56 SG)	0.0875 lb ai/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
10 SureStart (4.25 SC)	1.6 lb ai/a	A		99.0 a	67.5 ab	79.5 a	99.0 a	20.0 bc	79.5 a
Durango DMA (4 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
11 SureStart (4.25 SC)	1.6 lb ai/a	A		99.0 a	85.0 a	86.8 a	99.0 a	53.8 ab	86.8 a
Atrazine	1 lb ai/a	A							
Durango DMA (4 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
12 Untreated Check				0.0 c	0.0 c	0.0 c	0.0 b	0.0 c	0.0 b
LSD (P=.05)				1.70	15.87	24.27	0.00	23.36	32.29
Standard Deviation				1.18	10.99	16.81	0.00	16.18	22.36
CV				1.45	17.51	22.62	0.0	61.38	28.2
Bartlett's X2				0.0	12.18	6.212	0.0	21.035	6.539
P(Bartlett's X2)				.	0.203	0.102	.	0.012*	0.366
Replicate F				1.000	8.124	1.435	0.000	3.883	2.433
Replicate Prob(F)				0.4051	0.0003	0.2501	1.0000	0.0176	0.0824
Treatment F				4202.880	31.856	21.429	0.000	7.559	6.597
Treatment Prob(F)				0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

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

Column 1: Weed or volunteer crop; US; control / burndown or knockdown; percent; .75"; per square yard; MW
Column 2: Weed or volunteer crop; US; control / burndown or knockdown; percent; 1.75"; per square yard; MW
Column 3: Weed or volunteer crop; US; control / burndown or knockdown; percent; .75"; per square yard; MW
Column 4: Weed or volunteer crop; US; control / burndown or knockdown; percent; .5"; per square yard; MW
Column 5: Weed or volunteer crop; US; control / burndown or knockdown; percent; 4"; per square yard; MW
Column 6: Weed or volunteer crop; US; control / burndown or knockdown; percent; .5"; per square yard; MW
Column 7: Weed or volunteer crop; US; control / burndown or knockdown; percent; MW
Column 8: Weed or volunteer crop; US; control / burndown or knockdown; percent; V5-20"; 11"; per square yard; MW
Column 9: Weed or volunteer crop; US; control / burndown or knockdown; percent; 14"; per square yard; MW
Column 10: Weed or volunteer crop; US; control / burndown or knockdown; percent; 10"; per square yard; MW
Column 11: Weed or volunteer crop; US; control / burndown or knockdown; percent; 8"; per square yard; MW
Column 12: Weed or volunteer crop; US; control / burndown or knockdown; percent; 5"; per square yard; MW
Column 13: US; phytotoxicity - general / injury
Column 14: US; phytotoxicity - general / injury; WGJ
Column 15: Weed or volunteer crop; US; control / burndown or knockdown; 3-4"; per square foot; WGJ
Column 16: Weed or volunteer crop; US; control / burndown or knockdown; 6-8"; per square foot; WGJ
Column 17: Weed or volunteer crop; US; control / burndown or knockdown; 2-3"; per square foot; WGJ
Column 18: Weed or volunteer crop; US; control / burndown or knockdown; 1-3"; per square foot; WGJ

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Pest Type	W Weed CHEAL	W Weed SETFA	W Weed AMBTR	W Weed ABUTH	W Weed TAROF	W Weed CHEAL			
Pest Code	Chenopodium al>	Setaria faberi	Ambrosia trifi>	Abutilon theop>	Taraxacum offi>	Chenopodium al>			
Pest Scientific Name	Common lambsqu>	Giant foxtail	Giant ragweed	Velvetleaf	Common dandel>	Common lambsqu>			
Pest Name									
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name		CORN							
Crop Variety									
Description									
Rating Date	5-13-2010	6-3-2010	6-3-2010	6-3-2010	6-3-2010	6-3-2010			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority		V5-20"							
Pest Stage Majority		11"	14"	10"	8"	5"			
Pest Density, Unit		200 YD2	7 YD2	6 YD2	3 YD2	4 YD2			
Assessed By	MW	MW	MW	MW	MW	MW			
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	7	8	9	10	11	12
1 Untreated Check				0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b
2 Integrity (5.57 SC)	0.696 lb ai/a	A		99.0 a	98.0 a	87.5 a	96.8 a	46.3 a	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
3 Lexar (3.7 SC)	2.08 lb ai/a	A		99.0 a	96.0 a	91.0 a	99.0 a	83.5 a	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
4 Corvus (2.63 SC)	0.115 lb ai/a	A		99.0 a	98.0 a	88.5 a	97.5 a	47.5 a	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
5 Sharpen 2.85 SC	0.067 lb ai/a	A		99.0 a	97.5 a	82.5 a	99.0 a	59.8 a	99.0 a
Prowl H2O (3.8 L)	1.9 lb ai/a	A							
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
6 Harness Xtra 5.6 (5.6 SC)	2.1 lb ai/a	A		99.0 a	98.0 a	83.8 a	99.0 a	52.5 a	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
7 Sharpen 2.85 SC	0.067 lb ai/a	A		99.0 a	97.0 a	91.0 a	99.0 a	62.5 a	99.0 a
Harness Xtra 5.6 (5.6 SC)	2.1 lb ai/a	A							
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
8 SureStart (4.25 SC)	1.06 lb ai/a	A		99.0 a	96.0 a	83.8 a	99.0 a	68.8 a	99.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	CHEAL	SETFA	AMBTR	ABUTH	TAROF	CHEAL			
Pest Scientific Name	Chenopodium al>	Setaria faberi	Ambrosia trifi>	Abutilon theop>	Taraxacum offi>	Chenopodium al>			
Pest Name	Common lambsqu>	Giant foxtail	Giant ragweed	Velvetleaf	Common dandel>	Common lambsqu>			
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name		CORN							
Crop Variety									
Description									
Rating Date	5-13-2010	6-3-2010	6-3-2010	6-3-2010	6-3-2010	6-3-2010			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority		V5-20"							
Pest Stage Majority		11"	14"	10"	8"	5"			
Pest Density, Unit		200 YD2	7 YD2	6 YD2	3 YD2	4 YD2			
Assessed By	MW	MW	MW	MW	MW	MW			
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	7	8	9	10	11	12
9 Integrity (5.57 SC)	0.696 lb ai/a	A		99.0 a	96.8 a	94.8 a	99.0 a	55.0 a	95.5 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
Status (56 SG)	0.0875 lb ai/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
10 SureStart (4.25 SC)	1.6 lb ai/a	A		99.0 a	97.5 a	87.5 a	99.0 a	47.5 a	99.0 a
Durango DMA (4 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
11 SureStart (4.25 SC)	1.6 lb ai/a	A		99.0 a	97.0 a	87.5 a	99.0 a	75.0 a	99.0 a
Atrazine	1 lb ai/a	A							
Durango DMA (4 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
12 Untreated Check				0.0 b	0.0 b	0.0 b	0.0 b	0.0 b	0.0 b
LSD (P=.05)	0.00			0.00	3.09	7.49	2.07	26.12	2.92
Standard Deviation	0.00			0.00	2.14	5.19	1.44	18.09	2.02
CV	0.0			0.0	2.64	7.09	1.75	36.28	2.46
Bartlett's X2	0.0			0.0	4.769	6.753	1.939	14.015	0.0
P(Bartlett's X2)	.			.	0.854	0.663	0.164	0.122	.
Replicate F	0.000			0.000	1.728	11.659	0.603	2.187	1.000
Replicate Prob(F)	1.0000			1.0000	0.1802	0.0001	0.6176	0.1081	0.4051
Treatment F	0.000			0.000	1250.971	175.282	2861.016	8.232	1445.408
Treatment Prob(F)	1.0000			1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Type			W Weed SETFA Setaria faberi Giant foxtail	W Weed AMBTR Ambrosia trifi> Giant ragweed	W Weed ABUTH Abutilon theop> Velvetleaf	W Weed CHEAL Chenopodium al> Common lambsqu>			
Pest Code									
Pest Scientific Name									
Pest Name									
Crop Code	ZEAMX	ZEAMX							
BBCH Scale	BCOR	BCOR							
Crop Scientific Name	Zea mays	Zea mays							
Crop Name	Corn	Corn							
Crop Variety									
Description									
Rating Date	6-3-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010			
Rating Type	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit									
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority									
Pest Stage Majority			3-4"	6-8"	2-3"	1-3"			
Pest Density, Unit			17.5FT2	2.5 FT2	2 FT2	2.5 FT2			
Assessed By		WGJ	WGJ	WGJ	WGJ	WGJ			
Trt Treatment	Rate	Unit	Appl Code	13	14	15	16	17	18
1 Untreated Check				0.0 a	0.0 b	0.0 e	0.0 b	0.0 b	0.0 b
2 Integrity (5.57 SC)	0.696 lb ai/a	A		0.0 a	0.0 b	95.0 abc	78.8 a	95.0 a	100.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
3 Lexar (3.7 SC)	2.08 lb ai/a	A		0.0 a	0.0 b	97.5 a	86.3 a	100.0 a	100.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
4 Corvus (2.63 SC)	0.115 lb ai/a	A		0.0 a	0.0 b	88.8 d	89.5 a	100.0 a	100.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
5 Sharpen 2.85 SC	0.067 lb ai/a	A		0.3 a	2.5 a	95.3 abc	82.5 a	92.5 a	97.5 a
Prowl H2O (3.8 L)	1.9 lb ai/a	A							
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
6 Harness Xtra 5.6 (5.6 SC)	2.1 lb ai/a	A		0.0 a	0.0 b	91.3 bcd	81.3 a	96.3 a	98.8 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
7 Sharpen 2.85 SC	0.067 lb ai/a	A		0.0 a	0.5 b	90.0 cd	85.0 a	93.8 a	98.8 a
Harness Xtra 5.6 (5.6 SC)	2.1 lb ai/a	A							
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
8 SureStart (4.25 SC)	1.06 lb ai/a	A		0.0 a	0.0 b	91.3 bcd	82.5 a	97.5 a	100.0 a
Roundup PowerMax 4.5 SL	0.77 lb ae/a	B							
NIS	0.25 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							

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Pest Type			W Weed SETFA Setaria faberi Giant foxtail	W Weed AMBTR Ambrosia trifida Giant ragweed	W Weed ABUTH Abutilon theophrasti Velvetleaf	W Weed CHEAL Chenopodium album Common lambsquarters			
Pest Code									
Pest Scientific Name									
Pest Name									
Crop Code	ZEAMX	ZEAMX							
BBCH Scale	BCOR	BCOR							
Crop Scientific Name	Zea mays	Zea mays							
Crop Name	Corn	Corn							
Crop Variety									
Description									
Rating Date	6-3-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010			
Rating Type	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit									
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority									
Pest Stage Majority			3-4"	6-8"	2-3"	1-3"			
Pest Density, Unit			17.5FT2	2.5 FT2	2 FT2	2.5 FT2			
Assessed By		WGJ	WGJ	WGJ	WGJ	WGJ			
Trt No.	Treatment Name	Rate	Appl Code	13	14	15	16	17	18
		Rate Unit							
9	Integrity (5.57 SC)	0.696 lb ai/a	A	0.0 a	0.0 b	95.8 ab	87.0 a	98.3 a	99.5 a
	Roundup PowerMax 4.5 SL	0.77 lb ae/a	B						
	Status (56 SG)	0.0875 lb ai/a	B						
	NIS	0.25 % v/v	B						
	AMS - Liquid	17 lb ai/100 gal	B						
10	SureStart (4.25 SC)	1.6 lb ai/a	A	0.0 a	0.0 b	91.3 bcd	76.3 a	97.5 a	98.8 a
	Durango DMA (4 SL)	0.75 lb ae/a	B						
	AMS - Liquid	17 lb ai/100 gal	B						
11	SureStart (4.25 SC)	1.6 lb ai/a	A	0.0 a	0.0 b	95.8 ab	82.5 a	97.5 a	100.0 a
	Atrazine	1 lb ai/a	A						
	Durango DMA (4 SL)	0.75 lb ae/a	B						
	AMS - Liquid	17 lb ai/100 gal	B						
12	Untreated Check			0.0 a	0.0 b	0.0 e	0.0 b	0.0 b	0.0 b
LSD (P=.05)				0.21	1.29	3.58	10.55	6.33	2.72
Standard Deviation				0.14	0.90	2.48	7.30	4.38	1.88
CV				692.82	358.45	3.19	10.54	5.43	2.28
Bartlett's X2				0.0	2.842	13.152	5.843	6.823	6.439
P(Bartlett's X2)				.	0.092	0.107	0.755	0.448	0.169
Replicate F				1.000	0.623	1.615	6.754	2.076	1.620
Replicate Prob(F)				0.4051	0.6054	0.2047	0.0011	0.1224	0.2036
Treatment F				1.000	2.604	862.115	79.511	296.549	1686.783
Treatment Prob(F)				0.4671	0.0165	0.0001	0.0001	0.0001	0.0001