

Bayer Weed Control Programs in Corn

Trial ID: 15BAYERCORN Location: Western Branch Big E Trial Year: 2015
 Protocol ID: 15BAYERCORN Investigator: Dr. Mark M. Loux
 Project ID: HP15USABLD Study Director: Anthony Dobbels
 Sponsor Contact: David Lamore, Bayer CropScience

General Trial Information

Study Director: Anthony Dobbels
Investigator: Dr. Mark M. Loux

Trial Location

City: South Charleston **Country:** USA United States
State/Prov.: Ohio
Postal Code: 45368 **Climate Zone:** USWARM US Warm Continental

Latitude of LL Corner °: 39.85762 N
Longitude of LL Corner °: 83.67004 W

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Study Director: Anthony Dobbels

Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: ZEAMX Zea mays
Variety: SCS 1105 AM
Description: RR / LL

Planting Date: 5-3-2015
Planting Method: PLANTD planted
Planting Equipment: FPP Finger Pickup Planter
Emergence Date: 5-9-2015

Planting Rate, Unit: 32097 S/A
Depth, Unit: 2 IN
Row Spacing, Unit: 30 IN
Soil Temperature, Unit: 60 F
Soil Moisture: NORMAL normal, adequate
Seed Bed: MEDIUM medium

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:** CHEAL *Chenopodium album*
Common Name: Common lambsquarters

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

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

Pest 6 Type: W **Code:** HIBTR *Hibiscus trionum*
Common Name: Venice mallow

Pest 7 Type: W **Code:** POLPY *Persicaria pensylvanica*
Common Name: Pennsylvania smartweed

Pest 8 Type: W **Code:** SOLPT *Solanum ptycanthum*
Common Name: Eastern black nightshade

Site and Design

Treated Plot Width: 10 FT
Treated Plot Length: 30 FT
Treated Plot Area: 300 FT2 **Treatments:** 16
Replications: 4

Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: CONTIL conventional-till
Study Design: RACOB� Randomized Complete Block (RCB)

No. Previous Crop Year
 1. Soybean 2014

Soil Description

Description Name: Big E

% OM: 2.8

pH: 5.9

CEC: 17.44

Texture: SIL silt loam

Soil Name: Kokomo

Fert. Level: G good

Soil Drainage: G good

Additional Measured Elements

Date	Element	Quantity	Unit
4-24-2015	NH3	180	LBS

Application Description

	A	B	C
Application Date:	5-4-2015	5-22-2015	6-3-2015
Appl. Start Time:	11:00 AM	9:00 AM	9:00 AM
Appl. Stop Time:	11:20 AM	9:15 AM	9:15 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPO	POST
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	Bethel	Bethel	Bethel
Air Temperature, Unit:	73 F	55 F	60 F
% Relative Humidity:	45	69	85
Wind Velocity, Unit:	10 MPH	7 MPH	4 MPH
Wind Direction:	SW	WSW	NNE
Dew Presence (Y/N):	N no	N no	Y yes
Soil Temperature, Unit:	58 F	52 F	59 F
Soil Moisture:	DRY	DRY	WET
% Cloud Cover:	40	0	100
Next Moisture Occurred On:	5-5-2015	5-26-2015	6-5-2015
Time to Next Moisture, Unit:	14 HR	4 DAY	2 DAY

Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale:	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
Stage Scale Used:			BBCH		BBCH	
Stage Majority, Percent:			13	100	15	
Height, Unit:			6	IN	12	IN
Height Minimum, Maximum:					10	12

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:		13 100	12 80
Stage Minimum, Percent:			12 80
Stage Maximum, Percent:			13 20
Height, Unit:		3 IN	3 IN
Height Minimum, Maximum:		2 3	2 5
Density, Unit:		21 M2	21 M2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:		14 100	16 80
Stage Minimum, Percent:			14 20
Stage Maximum, Percent:			16 80
Height, Unit:		3 IN	4 IN
Height Minimum, Maximum:		2 3	3 4
Density, Unit:		4 M2	4 M2
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:		14 100	14 80
Stage Minimum, Percent:			14 80
Stage Maximum, Percent:			16 20
Height, Unit:		1 IN	1 IN
Height Minimum, Maximum:		0.5 1	0.5 1
Density, Unit:		5 M2	5 M2
Pest 4 Code, Type, Scale:	AMARE W	AMARE W	AMARE W
Stage Majority, Percent:		14 100	
Height, Unit:		0.5 IN	
Height Minimum, Maximum:		0.5 1	
Density, Unit:		2 M2	
Pest 5 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:		12 100	13 90
Stage Minimum, Percent:			13 90
Stage Maximum, Percent:			14 10
Height, Unit:		1 IN	2 IN
Height Minimum, Maximum:		0.5 1	1 2
Density, Unit:		1 M2	1 M2
Pest 6 Code, Type, Scale:	HIBTR W	HIBTR W	HIBTR W
Stage Majority, Percent:		12 100	12 100
Stage Minimum, Percent:			12 100
Stage Maximum, Percent:			12 100
Height, Unit:		1 IN	2 IN
Height Minimum, Maximum:		0.5 1	0.5 2
Density, Unit:		0.5 M2	0.5 M2
Pest 7 Code, Type, Scale:	POLPY W	POLPY W	POLPY W
Stage Majority, Percent:		10 90	
Stage Minimum, Percent:		10 90	
Stage Maximum, Percent:		11 10	
Height, Unit:		0.5 IN	
Height Minimum, Maximum:		0.25 1	
Density, Unit:		1 M2	
Pest 8 Code, Type, Scale:	SOLPT W	SOLPT W	SOLPT W
Stage Majority, Percent:		10 100	
Height, Unit:		0.25 IN	
Height Minimum, Maximum:		0.125 0.25	
Density, Unit:		2 M2	

Application Equipment

	A	B	C
Appl. Equipment:	6 FOOT BOOM	10' AI XR	10' AI XR
Equipment Type:	SPRBAC	SPRBAC	SPRBAC
Operation Pressure, Unit:	46 PSI	46 PSI	46 PSI
Nozzle Type:	AI XR	AI XR	AI XR
Nozzle Size:	110015	110015	110015
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Boom Length, Unit:	6.67 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Mix Size, Unit:	2 Liters	2 Liters	2 Liters
Propellant:	CO2	CO2	CO2

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	AMARE	CHEAL
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Amaranthus ret>	Chenopodium al>
Pest Name	Giant foxtail	Giant ragweed	Redroot pigweed	Common lambsqu>
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	6-3-2015	6-3-2015	6-3-2015	6-3-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Dobbels	Dobbels	Dobbels	Dobbels
Days After First/Last Applic.	30 12	30 12	30 12	30 12
Trt-Eval Interval	AT POST	AT POST	AT POST	AT POST
Plant-Eval Interval	31 DP-1	31 DP-1	31 DP-1	31 DP-1
Days After Emergence	25 DE-1	25 DE-1	25 DE-1	25 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Unit	Appl Code	Appl Description	1	2	3	4
1	UTC					0 d	0 g	0 b	0 c
2	Corvus	5.6 oz/a		A	PRE	79 c	66 de	100 a	100 a
2	Atrazine	1.5 qt/a		A	PRE				
3	Verdict	15 oz/a		A	PRE	91 ab	85 ab	100 a	100 a
3	Zidua	2 oz/a		A	PRE				
3	Atrazine	1.5 qt/a		A	PRE				
4	Tripleflex	3 pt/a		A	PRE	98 a	80 abc	100 a	98 a
4	Atrazine	1.5 qt/a		A	PRE				
5	Acuron	3 qt/a		A	PRE	91 ab	76 bcd	100 a	95 a
6	Balance Flexx	4 oz/a		A	PRE	98 a	74 bcd	100 a	100 a
6	Bicep II Magnum	2 qt/a		A	PRE				
7	Capreno	3 oz/a		B	EPO	98 a	84 ab	100 a	100 a
7	Atrazine	32 oz/a		B	EPO				
7	Roundup PowerMax	32 oz/a		B	EPO				
7	N PAK AMS	1.5 qt/a		B	EPO				
8	Capreno	3 oz/a		B	EPO	94 a	91 a	100 a	100 a
8	DiFlexx	8 oz/a		B	EPO				
8	Roundup PowerMax	32 oz/a		B	EPO				
8	N PAK AMS	1.5 qt/a		B	EPO				
9	Halex GT	3.6 pt/a		B	EPO	98 a	92 a	100 a	100 a
9	Atrazine	32 oz/a		B	EPO				
9	NIS	4.8 oz/a		B	EPO				
9	N PAK AMS	1.5 qt/a		B	EPO				
10	Tripleflex	1.5 pt/a		B	EPO	98 a	89 a	100 a	100 a
10	Roundup PowerMax	32 oz/a		B	EPO				
10	N PAK AMS	1.5 qt/a		B	EPO				

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.
 Could not calculate LSD (% mean diff) for columns 3,8,12,13,14,19,20,25,26 because error mean square = 0.

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	AMARE	CHEAL
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Amaranthus ret>	Chenopodium al>
Pest Name	Giant foxtail	Giant ragweed	Redroot pigweed	Common lambsqu>
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	6-3-2015	6-3-2015	6-3-2015	6-3-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Dobbels	Dobbels	Dobbels	Dobbels
Days After First/Last Applic.	30 12	30 12	30 12	30 12
Trt-Eval Interval	AT POST	AT POST	AT POST	AT POST
Plant-Eval Interval	31 DP-1	31 DP-1	31 DP-1	31 DP-1
Days After Emergence	25 DE-1	25 DE-1	25 DE-1	25 DE-1
Number of Decimals	0	0	0	0

Trt	Treatment	Other	Other	Appl	Appl	1	2	3	4
No.	Name	Rate	Rate	Unit	Code	Description			
11	Balance Flexx	4 oz/a		A	PRE	74 c	66 de	100 a	98 a
11	Atrazine	48 oz/a		A	PRE				
11	Tripleflex	1.5 pt/a		C	POST				
11	Liberty	22 oz/a		C	POST				
11	N PAK AMS	1.5 qt/a		C	POST				
12	Corvus	3.5 oz/a		A	PRE	73 c	69 cd	100 a	98 a
12	Atrazine	32 oz/a		A	PRE				
12	DiFlexx	8 oz/a		C	POST				
12	Roundup PowerMax	32 oz/a		C	POST				
12	N PAK AMS	1.5 qt/a		C	POST				
13	Degree Xtra	3 qt/a		A	PRE	81 bc	44 f	100 a	81 b
13	Laudis	3 oz/a		C	POST				
13	Roundup PowerMax	32 oz/a		C	POST				
13	N PAK AMS	1.5 qt/a		C	POST				
14	Degree Xtra	3 qt/a		A	PRE	93 a	56 e	100 a	96 a
14	Laudis	3 oz/a		C	POST				
14	Stratego YLD	2 oz/a		C	POST				
14	Roundup PowerMax	32 oz/a		C	POST				
14	N PAK AMS	1.5 qt/a		C	POST				
15	Corvus	3.5 oz/a		A	PRE	80 c	65 de	100 a	98 a
15	Atrazine	32 oz/a		A	PRE				
15	DiFlexx	8 oz/a		C	POST				
15	Liberty	22 oz/a		C	POST				
15	N PAK AMS	1.5 qt/a		C	POST				
16	Corvus	3.5 oz/a		A	PRE	73 c	66 de	100 a	100 a
16	Atrazine	32 oz/a		A	PRE				
16	DiFlexx	8 oz/a		C	POST				
16	N PAK AMS	1.5 qt/a		C	POST				
LSD P=.05						10.0	12.1	.	6.7
Standard Deviation						7.0	8.5	0.0	4.7
CV						8.55	12.33	0.0	5.14
Grand Mean						82.2	69.0	93.8	91.4
Bartlett's X2						29.523	19.348	0.0	14.863
P(Bartlett's X2)						0.009*	0.152	.	0.038*
Skewness						-2.4719*	-1.635*	-3.7021*	-3.3508*
Kurtosis						6.0747*	2.74*	12.0825*	10.2275*
Replicate F						4.236	1.852	0.000	2.215
Replicate Prob(F)						0.0101	0.1513	1.0000	0.0994
Treatment F						46.536	28.348	0.000	111.404
Treatment Prob(F)						0.0001	0.0001	1.0000	0.0001

Pest Type	W Weed	W Weed	W Weed		
Pest Code	ABUTH	IPOHE	SETFA		
Pest Scientific Name	Abutilon theop>	Ipomoea heder>	Setaria faberi		
Pest Name	velvetleaf	Ivyleaf mornin>	Giant foxtail		
Crop Code			ZEAMX	ZEAMX	
BBCH Scale			BCOR	BCOR	
Crop Scientific Name			Zea mays	Zea mays	
Crop Name			Corn	Corn	
Rating Date	6-3-2015	6-3-2015	6-9-2015	6-18-2015	6-18-2015
Rating Type	CONTRO	CONTRO	PHYNEC	PHYCHL	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	Dobbels	Dobbels	Loux	Loux	Loux
Days After First/Last Applic.	30 12	30 12	36 6	45 15	45 15
Trt-Eval Interval	AT POST	AT POST	6 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	31 DP-1	31 DP-1	37 DP-1	46 DP-1	46 DP-1
Days After Emergence	25 DE-1	25 DE-1	31 DE-1	40 DE-1	40 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Unit	Appl Code	Appl Description	5	6	7	8	9
1	UTC					0 d	0 c	0 d	0 a	0 g
2	Corvus	5.6 oz/a		A	PRE	100 a	91 b	1 cd	0 a	58 f
2	Atrazine	1.5 qt/a		A	PRE					
3	Verdict	15 oz/a		A	PRE	93 ab	96 ab	2 bcd	0 a	84 b-e
3	Zidua	2 oz/a		A	PRE					
3	Atrazine	1.5 qt/a		A	PRE					
4	Tripleflex	3 pt/a		A	PRE	95 a	94 ab	1 bcd	0 a	91 a-d
4	Atrazine	1.5 qt/a		A	PRE					
5	Acuron	3 qt/a		A	PRE	100 a	98 ab	1 bcd	0 a	78 de
6	Balance Flexx	4 oz/a		A	PRE	98 a	100 a	1 bcd	0 a	94 abc
6	Bicep II Magnum	2 qt/a		A	PRE					
7	Capreno	3 oz/a		B	EPO	100 a	95 ab	1 bcd	0 a	78 de
7	Atrazine	32 oz/a		B	EPO					
7	Roundup PowerMax	32 oz/a		B	EPO					
7	N PAK AMS	1.5 qt/a		B	EPO					
8	Capreno	3 oz/a		B	EPO	100 a	100 a	2 bc	0 a	73 e
8	DiFlexx	8 oz/a		B	EPO					
8	Roundup PowerMax	32 oz/a		B	EPO					
8	N PAK AMS	1.5 qt/a		B	EPO					
9	Halex GT	3.6 pt/a		B	EPO	100 a	100 a	1 bcd	0 a	95 abc
9	Atrazine	32 oz/a		B	EPO					
9	NIS	4.8 oz/a		B	EPO					
9	N PAK AMS	1.5 qt/a		B	EPO					
10	Tripleflex	1.5 pt/a		B	EPO	100 a	100 a	2 bcd	0 a	83 cde
10	Roundup PowerMax	32 oz/a		B	EPO					
10	N PAK AMS	1.5 qt/a		B	EPO					

Pest Type	W Weed	W Weed	W Weed	
Pest Code	ABUTH	IPOHE	SETFA	
Pest Scientific Name	Abutilon theop>	Ipomoea heder>	Setaria faberi	
Pest Name	velvetleaf	Ivyleaf mornin>	Giant foxtail	
Crop Code			ZEAMX	ZEAMX
BBCH Scale			BCOR	BCOR
Crop Scientific Name			Zea mays	Zea mays
Crop Name			Corn	Corn
Rating Date	6-3-2015	6-3-2015	6-9-2015	6-18-2015
Rating Type	CONTRO	CONTRO	PHYNEC	PHYCHL
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Dobbels	Dobbels	Loux	Loux
Days After First/Last Applic.	30 12	30 12	36 6	45 15
Trt-Eval Interval	AT POST	AT POST	6 DA-C	15 DA-C
Plant-Eval Interval	31 DP-1	31 DP-1	37 DP-1	46 DP-1
Days After Emergence	25 DE-1	25 DE-1	31 DE-1	40 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Unit	Appl Code	Appl Description	5	6	7	8	9
11	Balance Flexx	4 oz/a	A	PRE		96 a	100 a	5 a	0 a	96 abc
11	Atrazine	48 oz/a	A	PRE						
11	Tripleflex	1.5 pt/a	C	POST						
11	Liberty	22 oz/a	C	POST						
11	N PAK AMS	1.5 qt/a	C	POST						
12	Corvus	3.5 oz/a	A	PRE		98 a	98 ab	3 b	0 a	79 de
12	Atrazine	32 oz/a	A	PRE						
12	DiFlexx	8 oz/a	C	POST						
12	Roundup PowerMax	32 oz/a	C	POST						
12	N PAK AMS	1.5 qt/a	C	POST						
13	Degree Xtra	3 qt/a	A	PRE		81 c	100 a	0 d	0 a	97 ab
13	Laudis	3 oz/a	C	POST						
13	Roundup PowerMax	32 oz/a	C	POST						
13	N PAK AMS	1.5 qt/a	C	POST						
14	Degree Xtra	3 qt/a	A	PRE		84 bc	95 ab	0 cd	0 a	100 a
14	Laudis	3 oz/a	C	POST						
14	Stratego YLD	2 oz/a	C	POST						
14	Roundup PowerMax	32 oz/a	C	POST						
14	N PAK AMS	1.5 qt/a	C	POST						
15	Corvus	3.5 oz/a	A	PRE		98 a	100 a	1 bcd	0 a	79 de
15	Atrazine	32 oz/a	A	PRE						
15	DiFlexx	8 oz/a	C	POST						
15	Liberty	22 oz/a	C	POST						
15	N PAK AMS	1.5 qt/a	C	POST						
16	Corvus	3.5 oz/a	A	PRE		100 a	98 ab	1 cd	0 a	48 f
16	Atrazine	32 oz/a	A	PRE						
16	DiFlexx	8 oz/a	C	POST						
16	N PAK AMS	1.5 qt/a	C	POST						
LSD P=.05						9.2	7.7	2.1	.	14.1
Standard Deviation						6.5	5.4	1.4	0.0	9.9
CV						7.18	5.89	112.69	0.0	12.87
Grand Mean						90.1	91.5	1.3	0.0	76.9
Bartlett's X2						9.361	12.628	18.575	0.0	41.406
P(Bartlett's X2)						0.228	0.125	0.137	.	0.001*
Skewness						-3.1158*	-3.409*	2.3732*	.	-1.7678*
Kurtosis						9.0068*	10.5794*	8.2788*	.	2.7497*
Replicate F						2.573	2.059	1.869	0.000	4.640
Replicate Prob(F)						0.0657	0.1190	0.1485	1.0000	0.0065
Treatment F						58.334	83.029	3.052	0.000	25.600
Treatment Prob(F)						0.0001	0.0001	0.0019	1.0000	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ECHCG	AMBTR	CHEAL	AMARE
Pest Scientific Name	Echinochloa cr>	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>
Pest Name	Common barnyar>	Giant ragweed	Common lambsqu>	Redroot pigweed
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	6-18-2015	6-18-2015	6-18-2015	6-18-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux
Days After First/Last Applic.	45 15	45 15	45 15	45 15
Trt-Eval Interval	15 DA-C	15 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	46 DP-1	46 DP-1	46 DP-1	46 DP-1
Days After Emergence	40 DE-1	40 DE-1	40 DE-1	40 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Unit	Appl Code	Appl Description	10	11	12	13
1	UTC					0 g	0 h	0 b	0 b
2	Corvus	5.6 oz/a	A	PRE		43 ef	43 g	100 a	100 a
	2 Atrazine	1.5 qt/a	A	PRE					
3	Verdict	15 oz/a	A	PRE		76 cd	70 cde	100 a	100 a
	3 Zidua	2 oz/a	A	PRE					
	3 Atrazine	1.5 qt/a	A	PRE					
4	Tripleflex	3 pt/a	A	PRE		91 abc	68 de	100 a	100 a
	4 Atrazine	1.5 qt/a	A	PRE					
5	Acuron	3 qt/a	A	PRE		78 bcd	63 ef	100 a	100 a
6	Balance Flexx	4 oz/a	A	PRE		94 abc	50 fg	100 a	100 a
	6 Bicep II Magnum	2 qt/a	A	PRE					
7	Capreno	3 oz/a	B	EPO		78 bcd	69 de	100 a	100 a
	7 Atrazine	32 oz/a	B	EPO					
	7 Roundup PowerMax	32 oz/a	B	EPO					
	7 N PAK AMS	1.5 qt/a	B	EPO					
8	Capreno	3 oz/a	B	EPO		63 de	70 cde	100 a	100 a
	8 DiFlexx	8 oz/a	B	EPO					
	8 Roundup PowerMax	32 oz/a	B	EPO					
	8 N PAK AMS	1.5 qt/a	B	EPO					
9	Halex GT	3.6 pt/a	B	EPO		95 abc	88 a	100 a	100 a
	9 Atrazine	32 oz/a	B	EPO					
	9 NIS	4.8 oz/a	B	EPO					
	9 N PAK AMS	1.5 qt/a	B	EPO					
10	Tripleflex	1.5 pt/a	B	EPO		81 a-d	73 b-e	100 a	100 a
	10 Roundup PowerMax	32 oz/a	B	EPO					
	10 N PAK AMS	1.5 qt/a	B	EPO					

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ECHCG	AMBTR	CHEAL	AMARE
Pest Scientific Name	Echinochloa cr>	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>
Pest Name	Common barnyar>	Giant ragweed	Common lambsqu>	Redroot pigweed
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	6-18-2015	6-18-2015	6-18-2015	6-18-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux
Days After First/Last Applic.	45 15	45 15	45 15	45 15
Trt-Eval Interval	15 DA-C	15 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	46 DP-1	46 DP-1	46 DP-1	46 DP-1
Days After Emergence	40 DE-1	40 DE-1	40 DE-1	40 DE-1
Number of Decimals	0	0	0	0

Trt Treatment	Other Rate	Other Rate	Appl Unit	Appl Code	Appl Description	10	11	12	13
11 Balance Flexx	4 oz/a		A	PRE		89 abc	85 ab	100 a	100 a
11 Atrazine	48 oz/a		A	PRE					
11 Tripleflex	1.5 pt/a		C	POST					
11 Liberty	22 oz/a		C	POST					
11 N PAK AMS	1.5 qt/a		C	POST					
12 Corvus	3.5 oz/a		A	PRE		79 bcd	88 a	100 a	100 a
12 Atrazine	32 oz/a		A	PRE					
12 DiFlexx	8 oz/a		C	POST					
12 Roundup PowerMax	32 oz/a		C	POST					
12 N PAK AMS	1.5 qt/a		C	POST					
13 Degree Xtra	3 qt/a		A	PRE		97 ab	79 a-d	100 a	100 a
13 Laudis	3 oz/a		C	POST					
13 Roundup PowerMax	32 oz/a		C	POST					
13 N PAK AMS	1.5 qt/a		C	POST					
14 Degree Xtra	3 qt/a		A	PRE		100 a	80 a-d	100 a	100 a
14 Laudis	3 oz/a		C	POST					
14 Stratego YLD	2 oz/a		C	POST					
14 Roundup PowerMax	32 oz/a		C	POST					
14 N PAK AMS	1.5 qt/a		C	POST					
15 Corvus	3.5 oz/a		A	PRE		79 bcd	83 abc	100 a	100 a
15 Atrazine	32 oz/a		A	PRE					
15 DiFlexx	8 oz/a		C	POST					
15 Liberty	22 oz/a		C	POST					
15 N PAK AMS	1.5 qt/a		C	POST					
16 Corvus	3.5 oz/a		A	PRE		38 f	89 a	100 a	100 a
16 Atrazine	32 oz/a		A	PRE					
16 DiFlexx	8 oz/a		C	POST					
16 N PAK AMS	1.5 qt/a		C	POST					
LSD P=.05						20.5	13.2	.	.
Standard Deviation						14.4	9.3	0.0	0.0
CV						19.53	13.59	0.0	0.0
Grand Mean						73.6	68.4	93.8	93.8
Bartlett's X2						42.786	14.609	0.0	0.0
P(Bartlett's X2)						0.001*	0.405	.	.
Skewness						-1.4394*	-1.4769*	-3.7021*	-3.7021*
Kurtosis						1.2356*	2.2023*	12.0825*	12.0825*
Replicate F						2.505	6.559	0.000	0.000
Replicate Prob(F)						0.0711	0.0009	1.0000	1.0000
Treatment F						13.673	23.502	0.000	0.000
Treatment Prob(F)						0.0001	0.0001	1.0000	1.0000

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	ECHCG	AMBTR
Pest Scientific Name		Setaria faberi	Echinochloa cr>	Ambrosia trifi>
Pest Name		Giant foxtail	Common barnyar>	Giant ragweed
Crop Code	ZEAMX			
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays			
Crop Name	Corn			
Rating Date	6-30-2015	6-30-2015	6-30-2015	6-30-2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux
Days After First/Last Applic.	57 27	57 27	57 27	57 27
Trt-Eval Interval	27 DA-C	27 DA-C	27 DA-C	27 DA-C
Plant-Eval Interval	58 DP-1	58 DP-1	58 DP-1	58 DP-1
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Unit	Appl Code	Appl Description	14	15	16	17
1	UTC					0 a	0 h	0 h	0 g
2	Corvus	5.6 oz/a		A	PRE	0 a	45 g	30 fg	30 f
2	Atrazine	1.5 qt/a		A	PRE				
3	Verdict	15 oz/a		A	PRE	0 a	73 de	73 bcd	63 cde
3	Zidua	2 oz/a		A	PRE				
3	Atrazine	1.5 qt/a		A	PRE				
4	Tripleflex	3 pt/a		A	PRE	0 a	83 bcd	76 bcd	53 e
4	Atrazine	1.5 qt/a		A	PRE				
5	Acuron	3 qt/a		A	PRE	0 a	64 ef	64 de	53 e
6	Balance Flexx	4 oz/a		A	PRE	0 a	91 abc	91 ab	30 f
6	Bicep II Magnum	2 qt/a		A	PRE				
7	Capreno	3 oz/a		B	EPO	0 a	66 e	66 cde	54 e
7	Atrazine	32 oz/a		B	EPO				
7	Roundup PowerMax	32 oz/a		B	EPO				
7	N PAK AMS	1.5 qt/a		B	EPO				
8	Capreno	3 oz/a		B	EPO	0 a	50 fg	48 ef	55 e
8	DiFlexx	8 oz/a		B	EPO				
8	Roundup PowerMax	32 oz/a		B	EPO				
8	N PAK AMS	1.5 qt/a		B	EPO				
9	Halex GT	3.6 pt/a		B	EPO	0 a	94 ab	94 ab	79 abc
9	Atrazine	32 oz/a		B	EPO				
9	NIS	4.8 oz/a		B	EPO				
9	N PAK AMS	1.5 qt/a		B	EPO				
10	Tripleflex	1.5 pt/a		B	EPO	0 a	74 de	74 bcd	58 de
10	Roundup PowerMax	32 oz/a		B	EPO				
10	N PAK AMS	1.5 qt/a		B	EPO				

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Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	ECHCG	AMBTR
Pest Scientific Name		Setaria faberi	Echinochloa cr>	Ambrosia trifi>
Pest Name		Giant foxtail	Common barnyar>	Giant ragweed
Crop Code	ZEAMX			
BBCH Scale	BCOR			
Crop Scientific Name	Zea mays			
Crop Name	Corn			
Rating Date	6-30-2015	6-30-2015	6-30-2015	6-30-2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux
Days After First/Last Applic.	57 27	57 27	57 27	57 27
Trt-Eval Interval	27 DA-C	27 DA-C	27 DA-C	27 DA-C
Plant-Eval Interval	58 DP-1	58 DP-1	58 DP-1	58 DP-1
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1
Number of Decimals	0	0	0	0

Trt	Treatment	Other	Other	Appl	Appl	14	15	16	17	
No.	Name	Rate	Rate	Unit	Code	Description				
11	Balance Flexx	4 oz/a		A	PRE		0 a	94 ab	86 abc	81 ab
11	Atrazine	48 oz/a		A	PRE					
11	Tripleflex	1.5 pt/a		C	POST					
11	Liberty	22 oz/a		C	POST					
11	N PAK AMS	1.5 qt/a		C	POST					
12	Corvus	3.5 oz/a		A	PRE		0 a	73 de	73 bcd	78 abc
12	Atrazine	32 oz/a		A	PRE					
12	DiFlexx	8 oz/a		C	POST					
12	Roundup PowerMax	32 oz/a		C	POST					
12	N PAK AMS	1.5 qt/a		C	POST					
13	Degree Xtra	3 qt/a		A	PRE		0 a	94 ab	94 ab	70 b-e
13	Laudis	3 oz/a		C	POST					
13	Roundup PowerMax	32 oz/a		C	POST					
13	N PAK AMS	1.5 qt/a		C	POST					
14	Degree Xtra	3 qt/a		A	PRE		0 a	99 a	99 a	70 b-e
14	Laudis	3 oz/a		C	POST					
14	Stratego YLD	2 oz/a		C	POST					
14	Roundup PowerMax	32 oz/a		C	POST					
14	N PAK AMS	1.5 qt/a		C	POST					
15	Corvus	3.5 oz/a		A	PRE		0 a	76 cde	76 bcd	75 bcd
15	Atrazine	32 oz/a		A	PRE					
15	DiFlexx	8 oz/a		C	POST					
15	Liberty	22 oz/a		C	POST					
15	N PAK AMS	1.5 qt/a		C	POST					
16	Corvus	3.5 oz/a		A	PRE		0 a	36 g	24 g	95 a
16	Atrazine	32 oz/a		A	PRE					
16	DiFlexx	8 oz/a		C	POST					
16	N PAK AMS	1.5 qt/a		C	POST					
LSD P=.05							.	16.2	22.0	17.6
Standard Deviation							0.0	11.4	15.4	12.4
CV							0.0	16.36	23.14	21.0
Grand Mean							0.0	69.4	66.6	58.8
Bartlett's X2							0.0	29.391	38.28	15.248
P(Bartlett's X2)							.	0.009*	0.001*	0.361
Skewness							.	-1.0979*	-0.9934*	-0.5998*
Kurtosis							.	0.5854	-0.0513	-0.2873
Replicate F							0.000	2.336	2.025	6.601
Replicate Prob(F)							1.0000	0.0864	0.1238	0.0009
Treatment F							0.000	21.379	13.251	14.562
Treatment Prob(F)							1.0000	0.0001	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed
Pest Code	CHEAL	AMARE	SETFA
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Setaria faberi
Pest Name	Common lambsqu>	Redroot pigweed	Giant foxtail
Crop Code			ZEAMX
BBCH Scale			BCOR
Crop Scientific Name			Zea mays
Crop Name			Corn
Rating Date	6-30-2015	6-30-2015	7-29-2015
Rating Type	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	Loux	Loux	Loux
Days After First/Last Applic.	57 27	57 27	86 56
Trt-Eval Interval	27 DA-C	27 DA-C	56 DA-C
Plant-Eval Interval	58 DP-1	58 DP-1	87 DP-1
Days After Emergence	52 DE-1	52 DE-1	81 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Other Rate	Other Unit	Appl Code	Appl Description	18	19	20	21
1	UTC					0 c	0 b	0 a	0 f
2	Corvus	5.6 oz/a		A	PRE	100 a	100 a	0 a	48 e
2	Atrazine	1.5 qt/a		A	PRE				
3	Verdict	15 oz/a		A	PRE	100 a	100 a	0 a	74 d
3	Zidua	2 oz/a		A	PRE				
3	Atrazine	1.5 qt/a		A	PRE				
4	Tripleflex	3 pt/a		A	PRE	100 a	100 a	0 a	81 bcd
4	Atrazine	1.5 qt/a		A	PRE				
5	Acuron	3 qt/a		A	PRE	95 b	100 a	0 a	68 d
6	Balance Flexx	4 oz/a		A	PRE	100 a	100 a	0 a	91 abc
6	Bicep II Magnum	2 qt/a		A	PRE				
7	Capreno	3 oz/a		B	EPO	100 a	100 a	0 a	68 d
7	Atrazine	32 oz/a		B	EPO				
7	Roundup PowerMax	32 oz/a		B	EPO				
7	N PAK AMS	1.5 qt/a		B	EPO				
8	Capreno	3 oz/a		B	EPO	100 a	100 a	0 a	45 e
8	DiFlexx	8 oz/a		B	EPO				
8	Roundup PowerMax	32 oz/a		B	EPO				
8	N PAK AMS	1.5 qt/a		B	EPO				
9	Halex GT	3.6 pt/a		B	EPO	100 a	100 a	0 a	93 ab
9	Atrazine	32 oz/a		B	EPO				
9	NIS	4.8 oz/a		B	EPO				
9	N PAK AMS	1.5 qt/a		B	EPO				
10	Tripleflex	1.5 pt/a		B	EPO	98 ab	100 a	0 a	78 cd
10	Roundup PowerMax	32 oz/a		B	EPO				
10	N PAK AMS	1.5 qt/a		B	EPO				

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Pest Type	W Weed	W Weed	W Weed
Pest Code	CHEAL	AMARE	SETFA
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Setaria faberi
Pest Name	Common lambsqu>	Redroot pigweed	Giant foxtail
Crop Code			ZEAMX
BBCH Scale			BCOR
Crop Scientific Name			Zea mays
Crop Name			Corn
Rating Date	6-30-2015	6-30-2015	7-29-2015
Rating Type	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	Loux	Loux	Loux
Days After First/Last Applic.	57 27	57 27	86 56
Trt-Eval Interval	27 DA-C	27 DA-C	56 DA-C
Plant-Eval Interval	58 DP-1	58 DP-1	87 DP-1
Days After Emergence	52 DE-1	52 DE-1	81 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit	Appl Code	Appl Description	18	19	20	21
11	Balance Flexx	4 oz/a		A	PRE		100 a	100 a	0 a	95 ab
11	Atrazine	48 oz/a		A	PRE					
11	Tripleflex	1.5 pt/a		C	POST					
11	Liberty	22 oz/a		C	POST					
11	N PAK AMS	1.5 qt/a		C	POST					
12	Corvus	3.5 oz/a		A	PRE		100 a	100 a	0 a	68 d
12	Atrazine	32 oz/a		A	PRE					
12	DiFlexx	8 oz/a		C	POST					
12	Roundup PowerMax	32 oz/a		C	POST					
12	N PAK AMS	1.5 qt/a		C	POST					
13	Degree Xtra	3 qt/a		A	PRE		100 a	100 a	0 a	92 abc
13	Laudis	3 oz/a		C	POST					
13	Roundup PowerMax	32 oz/a		C	POST					
13	N PAK AMS	1.5 qt/a		C	POST					
14	Degree Xtra	3 qt/a		A	PRE		100 a	100 a	0 a	100 a
14	Laudis	3 oz/a		C	POST					
14	Stratego YLD	2 oz/a		C	POST					
14	Roundup PowerMax	32 oz/a		C	POST					
14	N PAK AMS	1.5 qt/a		C	POST					
15	Corvus	3.5 oz/a		A	PRE		100 a	100 a	0 a	71 d
15	Atrazine	32 oz/a		A	PRE					
15	DiFlexx	8 oz/a		C	POST					
15	Liberty	22 oz/a		C	POST					
15	N PAK AMS	1.5 qt/a		C	POST					
16	Corvus	3.5 oz/a		A	PRE		100 a	100 a	0 a	40 e
16	Atrazine	32 oz/a		A	PRE					
16	DiFlexx	8 oz/a		C	POST					
16	N PAK AMS	1.5 qt/a		C	POST					
LSD P=.05							4.0	.	.	14.6
Standard Deviation							2.8	0.0	0.0	10.2
CV							3.02	0.0	0.0	14.77
Grand Mean							93.3	93.8	0.0	69.3
Bartlett's X2							1.325	0.0	0.0	24.999
P(Bartlett's X2)							0.25	.	.	0.035*
Skewness							-3.6299*	-3.7021*	.	-1.0557*
Kurtosis							11.6951*	12.0825*	.	0.7177
Replicate F							0.721	0.000	0.000	2.865
Replicate Prob(F)							0.5450	1.0000	1.0000	0.0470
Treatment F							312.197	0.000	0.000	25.656
Treatment Prob(F)							0.0001	1.0000	1.0000	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ECHCG	AMBTR	CHEAL	AMARE
Pest Scientific Name	Echinochloa cr>	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>
Pest Name	Common barnyar>	Giant ragweed	Common lambsqu>	Redroot pigweed
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	7-29-2015	7-29-2015	7-29-2015	7-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux
Days After First/Last Applic.	86 56	86 56	86 56	86 56
Trt-Eval Interval	56 DA-C	56 DA-C	56 DA-C	56 DA-C
Plant-Eval Interval	87 DP-1	87 DP-1	87 DP-1	87 DP-1
Days After Emergence	81 DE-1	81 DE-1	81 DE-1	81 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Unit	Appl Code	Appl Description	22	23	24	25
1	UTC					0 h	0 g	0 c	0 b
2	Corvus	5.6 oz/a		A	PRE	48 f	38 f	100 a	100 a
	2 Atrazine	1.5 qt/a		A	PRE				
3	Verdict	15 oz/a		A	PRE	74 cde	68 bcd	100 a	100 a
	3 Zidua	2 oz/a		A	PRE				
	3 Atrazine	1.5 qt/a		A	PRE				
4	Tripleflex	3 pt/a		A	PRE	80 b-e	58 c-f	100 a	100 a
	4 Atrazine	1.5 qt/a		A	PRE				
5	Acuron	3 qt/a		A	PRE	68 e	70 a-d	95 b	100 a
6	Balance Flexx	4 oz/a		A	PRE	91 abc	43 ef	100 a	100 a
	6 Bicep II Magnum	2 qt/a		A	PRE				
7	Capreno	3 oz/a		B	EPO	68 e	53 def	100 a	100 a
	7 Atrazine	32 oz/a		B	EPO				
	7 Roundup PowerMax	32 oz/a		B	EPO				
	7 N PAK AMS	1.5 qt/a		B	EPO				
8	Capreno	3 oz/a		B	EPO	43 fg	43 ef	100 a	100 a
	8 DiFlexx	8 oz/a		B	EPO				
	8 Roundup PowerMax	32 oz/a		B	EPO				
	8 N PAK AMS	1.5 qt/a		B	EPO				
9	Halex GT	3.6 pt/a		B	EPO	92 ab	78 abc	100 a	100 a
	9 Atrazine	32 oz/a		B	EPO				
	9 NIS	4.8 oz/a		B	EPO				
	9 N PAK AMS	1.5 qt/a		B	EPO				
10	Tripleflex	1.5 pt/a		B	EPO	75 b-e	53 def	100 a	100 a
	10 Roundup PowerMax	32 oz/a		B	EPO				
	10 N PAK AMS	1.5 qt/a		B	EPO				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ECHCG	AMBTR	CHEAL	AMARE
Pest Scientific Name	Echinochloa cr>	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>
Pest Name	Common barnyar>	Giant ragweed	Common lambsqu>	Redroot pigweed
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	7-29-2015	7-29-2015	7-29-2015	7-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	Loux	Loux	Loux	Loux
Days After First/Last Applic.	86 56	86 56	86 56	86 56
Trt-Eval Interval	56 DA-C	56 DA-C	56 DA-C	56 DA-C
Plant-Eval Interval	87 DP-1	87 DP-1	87 DP-1	87 DP-1
Days After Emergence	81 DE-1	81 DE-1	81 DE-1	81 DE-1
Number of Decimals	0	0	0	0

Trt	Treatment	Other	Other	Appl	Appl	22	23	24	25
No.	Name	Rate	Rate	Unit	Code	Description			
11	Balance Flexx	4 oz/a		A	PRE	89 a-d	80 ab	100 a	100 a
11	Atrazine	48 oz/a		A	PRE				
11	Tripleflex	1.5 pt/a		C	POST				
11	Liberty	22 oz/a		C	POST				
11	N PAK AMS	1.5 qt/a		C	POST				
12	Corvus	3.5 oz/a		A	PRE	68 e	78 abc	100 a	100 a
12	Atrazine	32 oz/a		A	PRE				
12	DiFlexx	8 oz/a		C	POST				
12	Roundup PowerMax	32 oz/a		C	POST				
12	N PAK AMS	1.5 qt/a		C	POST				
13	Degree Xtra	3 qt/a		A	PRE	92 ab	63 b-e	100 a	100 a
13	Laudis	3 oz/a		C	POST				
13	Roundup PowerMax	32 oz/a		C	POST				
13	N PAK AMS	1.5 qt/a		C	POST				
14	Degree Xtra	3 qt/a		A	PRE	100 a	65 bcd	100 a	100 a
14	Laudis	3 oz/a		C	POST				
14	Stratego YLD	2 oz/a		C	POST				
14	Roundup PowerMax	32 oz/a		C	POST				
14	N PAK AMS	1.5 qt/a		C	POST				
15	Corvus	3.5 oz/a		A	PRE	71 de	75 abc	100 a	100 a
15	Atrazine	32 oz/a		A	PRE				
15	DiFlexx	8 oz/a		C	POST				
15	Liberty	22 oz/a		C	POST				
15	N PAK AMS	1.5 qt/a		C	POST				
16	Corvus	3.5 oz/a		A	PRE	25 g	90 a	100 a	100 a
16	Atrazine	32 oz/a		A	PRE				
16	DiFlexx	8 oz/a		C	POST				
16	N PAK AMS	1.5 qt/a		C	POST				
LSD P=.05						17.7	20.5	3.6	.
Standard Deviation						12.5	14.4	2.5	0.0
CV						18.43	24.2	2.68	0.0
Grand Mean						67.5	59.4	93.4	93.8
Bartlett's X2						32.819	15.791	0.0	0.0
P(Bartlett's X2)						0.003*	0.261	.	.
Skewness						-1.1176*	-0.708*	-3.6445*	-3.7021*
Kurtosis						0.6445	-0.116	11.7684*	12.0825*
Replicate F						3.657	8.822	1.000	0.000
Replicate Prob(F)						0.0192	0.0001	0.4016	1.0000
Treatment F						18.719	9.246	398.333	0.000
Treatment Prob(F)						0.0001	0.0001	0.0001	1.0000

Pest Type
 Pest Code
 Pest Scientific Name
 Pest Name
 Crop Code
 BBCH Scale
 Crop Scientific Name
 Crop Name
 Rating Date
 Rating Type
 Rating Unit
 Number of Subsamples 1
 Assessed By
 Days After First/Last Applic.
 Trt-Eval Interval
 Plant-Eval Interval
 Days After Emergence
 Number of Decimals

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	Appl Description
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1 UTC

2	Corvus	5.6 oz/a		A	PRE
2	Atrazine	1.5 qt/a		A	PRE
3	Verdict	15 oz/a		A	PRE
3	Zidua	2 oz/a		A	PRE
3	Atrazine	1.5 qt/a		A	PRE
4	Tripleflex	3 pt/a		A	PRE
4	Atrazine	1.5 qt/a		A	PRE
5	Acuron	3 qt/a		A	PRE
6	Balance Flexx	4 oz/a		A	PRE
6	Bicep II Magnum	2 qt/a		A	PRE
7	Capreno	3 oz/a		B	EPO
7	Atrazine	32 oz/a		B	EPO
7	Roundup PowerMax	32 oz/a		B	EPO
7	N PAK AMS	1.5 qt/a		B	EPO
8	Capreno	3 oz/a		B	EPO
8	DiFlexx	8 oz/a		B	EPO
8	Roundup PowerMax	32 oz/a		B	EPO
8	N PAK AMS	1.5 qt/a		B	EPO
9	Halex GT	3.6 pt/a		B	EPO
9	Atrazine	32 oz/a		B	EPO
9	NIS	4.8 oz/a		B	EPO
9	N PAK AMS	1.5 qt/a		B	EPO
10	Tripleflex	1.5 pt/a		B	EPO
10	Roundup PowerMax	32 oz/a		B	EPO
10	N PAK AMS	1.5 qt/a		B	EPO

Pest Type
 Pest Code
 Pest Scientific Name
 Pest Name
 Crop Code
 BBCH Scale
 Crop Scientific Name
 Crop Name
 Rating Date
 Rating Type
 Rating Unit
 Number of Subsamples 1
 Assessed By
 Days After First/Last Applic.
 Trt-Eval Interval
 Plant-Eval Interval
 Days After Emergence
 Number of Decimals

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	Appl Description
11	Balance Flexx	4 oz/a		A	PRE
11	Atrazine	48 oz/a		A	PRE
11	Tripleflex	1.5 pt/a		C	POST
11	Liberty	22 oz/a		C	POST
11	N PAK AMS	1.5 qt/a		C	POST
12	Corvus	3.5 oz/a		A	PRE
12	Atrazine	32 oz/a		A	PRE
12	DiFlexx	8 oz/a		C	POST
12	Roundup PowerMax	32 oz/a		C	POST
12	N PAK AMS	1.5 qt/a		C	POST
13	Degree Xtra	3 qt/a		A	PRE
13	Laudis	3 oz/a		C	POST
13	Roundup PowerMax	32 oz/a		C	POST
13	N PAK AMS	1.5 qt/a		C	POST
14	Degree Xtra	3 qt/a		A	PRE
14	Laudis	3 oz/a		C	POST
14	Stratego YLD	2 oz/a		C	POST
14	Roundup PowerMax	32 oz/a		C	POST
14	N PAK AMS	1.5 qt/a		C	POST
15	Corvus	3.5 oz/a		A	PRE
15	Atrazine	32 oz/a		A	PRE
15	DiFlexx	8 oz/a		C	POST
15	Liberty	22 oz/a		C	POST
15	N PAK AMS	1.5 qt/a		C	POST
16	Corvus	3.5 oz/a		A	PRE
16	Atrazine	32 oz/a		A	PRE
16	DiFlexx	8 oz/a		C	POST
16	N PAK AMS	1.5 qt/a		C	POST

LSD P=.05 .
 Standard Deviation .
 CV .
 Grand Mean .
 Bartlett's X2 .
 P(Bartlett's X2) .
 Skewness .
 Kurtosis .

Replicate F
 Replicate Prob(F)
 Treatment F
 Treatment Prob(F)

Bayer Weed Control Programs in Corn

Trial ID: 15BAYERCORN	Location: Western Branch Big E	Trial Year: 2015
Protocol ID: 15BAYERCORN	Investigator: Dr. Mark M. Loux	
Project ID: HP15USABLD	Study Director: Anthony Dobbels	
Sponsor Contact: David Lamore, Bayer CropScience		

Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop

Pest Code

SETFA, Setaria faberi, = US
 AMBTR, Ambrosia trifida, = US
 AMARE, Amaranthus retroflexus, = US
 CHEAL, Chenopodium album, = US
 ABUTH, Abutilon theophrasti, = US
 IPOHE, Ipomoea hederacea, = US
 ECHCG, Echinochloa crus-galli, = US

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Type

CONTRO = control / burndown or knockdown
 PHYNEC = phytotoxicity - necrosis /burn
 PHYCHL = phytotoxicity - chlorosis
 PHYGEN = phytotoxicity - general / injury

Rating Unit

% = percent

Plant-Eval Interval

31 DP-1 = 1 ZEAMX 5-3-2015
 37 DP-1 = 1 ZEAMX 5-3-2015
 46 DP-1 = 1 ZEAMX 5-3-2015
 58 DP-1 = 1 ZEAMX 5-3-2015
 87 DP-1 = 1 ZEAMX 5-3-2015