



**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
<b>Application Date:</b>	5-4-2015	5-15-2015	5-28-2015
<b>Appl. Start Time:</b>	11:00 AM	9:30 AM	12:40 PM
<b>Appl. Stop Time:</b>	11:20 AM	10:00 AM	12:55 PM
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	EPO	POST
<b>Application Placement:</b>	BROSOI	BROFOL	BROFOL
<b>Applied By:</b>	Ackley	Ackley	Bethel/Barc
<b>Air Temperature, Unit:</b>	73 F	66 F	78 F
<b>% Relative Humidity:</b>	45	73	60
<b>Wind Velocity, Unit:</b>	10 MPH	6 MPH	3 MPH
<b>Wind Direction:</b>	SW	E	SSE
<b>Dew Presence (Y/N):</b>	N no	N no	N no
<b>Soil Temperature, Unit:</b>	58 F	60 F	72 F
<b>Soil Moisture:</b>	DRY	NORMAL	MOIST
<b>% Cloud Cover:</b>	40	60	70
<b>Next Moisture Occurred On:</b>	5-5-2015	5-16-2015	5-30-2015
<b>Time to Next Moisture, Unit:</b>	14 HR	1 DAY	2 DAY

**Crop Stage At Each Application**

	A		B		C	
<b>Crop 1 Code, BBCH Scale:</b>	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
<b>Stage Scale Used:</b>	BBCH		BBCH		BBCH	
<b>Stage Majority, Percent:</b>	12	100	14	100	14	100
<b>Height, Unit:</b>	3	IN	11	IN	10	12
<b>Height Minimum, Maximum:</b>						

**Pest Stage At Each Application**

	<b>A</b>		<b>B</b>		<b>C</b>	
<b>Pest 1 Code, Type, Scale:</b>	SETFA	W	SETFA	W	SETFA	W
<b>Stage Majority, Percent:</b>			12	100	13	100
<b>Stage Minimum, Percent:</b>					13	100
<b>Stage Maximum, Percent:</b>					13	100
<b>Height, Unit:</b>			0.5	IN	3	IN
<b>Height Minimum, Maximum:</b>			0.25	0.5	3	4
<b>Density, Unit:</b>			125	M2	14	m2
<b>Pest 2 Code, Type, Scale:</b>	AMBTR	W	AMBTR	W	AMBTR	W
<b>Stage Majority, Percent:</b>			09	90	14	100
<b>Stage Minimum, Percent:</b>			09	90	14	100
<b>Stage Maximum, Percent:</b>			10	10	14	100
<b>Diameter, Unit:</b>			1	IN		
<b>Height, Unit:</b>			2	IN	4	IN
<b>Height Minimum, Maximum:</b>			1	2	3	5
<b>Density, Unit:</b>			50	M2	13.75	m2
<b>Pest 3 Code, Type, Scale:</b>	ABUTH	W	ABUTH	W	ABUTH	W
<b>Stage Majority, Percent:</b>			09	100	13	100
<b>Stage Minimum, Percent:</b>					13	100
<b>Stage Maximum, Percent:</b>					13	100
<b>Height, Unit:</b>			0.25	IN	3	IN
<b>Height Minimum, Maximum:</b>			0.25	0.5	3	3
<b>Density, Unit:</b>			10	M2	0.75	m2
<b>Pest 4 Code, Type, Scale:</b>	CHEAL	W	CHEAL	W	CHEAL	W
<b>Stage Majority, Percent:</b>			12	90	17	100
<b>Stage Minimum, Percent:</b>			10	10	16	100
<b>Stage Maximum, Percent:</b>			12	90	18	100
<b>Diameter, Unit:</b>			0.5	IN		
<b>Height, Unit:</b>			0.5	IN	3	IN
<b>Height Minimum, Maximum:</b>			0.25	0.5	2	3
<b>Density, Unit:</b>			6	M2	3.75	m2
<b>Pest 5 Code, Type, Scale:</b>	AMARE	W	AMARE	W	AMARE	W
<b>Stage Majority, Percent:</b>			11	90	17	100
<b>Stage Minimum, Percent:</b>			09	10	16	100
<b>Stage Maximum, Percent:</b>			11	90	18	100
<b>Diameter, Unit:</b>			0.25	IN		
<b>Height, Unit:</b>			0.25	IN	3	IN
<b>Height Minimum, Maximum:</b>			0.25	0.33	2	3
<b>Density, Unit:</b>			4	M2	2.25	m2
<b>Pest 6 Code, Type, Scale:</b>	HIBTR	W	HIBTR	W	HIBTR	W
<b>Stage Majority, Percent:</b>					12	100
<b>Stage Minimum, Percent:</b>					12	100
<b>Stage Maximum, Percent:</b>					12	100
<b>Height, Unit:</b>					1	IN
<b>Height Minimum, Maximum:</b>					1	1
<b>Density, Unit:</b>					1	M2

**Application Equipment**

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

BASF Corn Herbicides 2 Pass Programs

Trial ID: 15BASFCORN Location: Western Branch Big E Trial Year: 2015  
 Protocol ID: 15BASFCORN Investigator: Dr. Mark M. Loux  
 Project ID: MKD H 2015 US C72 Study Director: Anthony Dobbels  
 Sponsor Contact: Trevor Kraus, BASF

Pest Type				W Weed	W Weed	W Weed
Pest Code				SETFA	AMBTR	CHEAL
Pest Scientific Name				Setaria faberi	Ambrosia trifid	Chenopodium al-
Pest Name				Giant foxtail	Giant ragweed	Common lambsqu-
Crop Code		ZEAMX	ZEAMX			
BBCH Scale		BCOR	BCOR			
Crop Scientific Name		Zea mays	Zea mays			
Crop Name		Corn	Corn			
Rating Date		5-15-2015	5-28-2015	5-28-2015	5-28-2015	5-28-2015
Rating Type		PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%	%
Number of Subsamples		1	1	1	1	1
Days After First/Last Applic.		11 11	24 13	24 13	24 13	24 13
Trt-Eval Interval		0 DA-B	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Plant-Eval Interval		12 DP-1	25 DP-1	25 DP-1	25 DP-1	25 DP-1
Days After Emergence		6 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1
ARM Action Codes				ET1	ER4	
Number of Decimals		0	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Unit	Appl Code	Appl Description	1	2	3	4	5
1	UTC					0 a	0 c	0	0 d	0 d
2	Zidua SC	4 oz/a		A	PRE	0 a	0 c	58 cd	33 bc	90 a
	2 Status	5 oz/a		C	POST					
	2 Roundup PowerMax	22 oz/a		C	POST					
	2 NIS	4.8 oz/a		C	POST					
	2 N PAK AMS	1.5 qt/a		C	POST					
3	Zidua Sc	5 oz/a		A	PRE	0 a	0 c	61 c	10 cd	93 a
	3 Armezon	0.75 oz/a		C	POST					
	3 Atrazine	16 oz/a		C	POST					
	3 Roundup PowerMax	22 oz/a		C	POST					
	3 HC MSO	9.6 oz/a		C	POST					
	3 N PAK AMS	1.5 qt/a		C	POST					
4	Verdict	18 oz/a		A	PRE	0 a	0 c	78 b	80 a	100 a
	4 Status	5 oz/a		C	POST					
	4 Roundup PowerMax	22 oz/a		C	POST					
	4 NIS	4.8 oz/a		C	POST					
	4 N PAK AMS	1.5 qt/a		C	POST					
5	Verdict	18 oz/a		A	PRE	0 a	0 c	61 cd	53 b	96 a
	5 Armezon	0.75 oz/a		C	POST					
	5 Atrazine	16 oz/a		C	POST					
	5 Roundup PowerMax	22 oz/a		C	POST					
	5 HC MSO	9.6 oz/a		C	POST					
	5 N PAK AMS	1.5 qt/a		C	POST					
6	BAS 67703H	20 oz/a		B	EPO	0 a	0 c	94 a	88 a	99 a
	6 Roundup PowerMax	22 oz/a		B	EPO					
	6 NIS	4.8 oz/a		B	EPO					
	6 N PAK AMS	1.5 qt/a		B	EPO					

Means followed by same letter do not significantly differ (P=.05, LSD)  
 t=Mean descriptions are reported in transformed data units, and are not de-transformed.  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Excluded replicate 4 in column 4  
 Could not calculate LSD (% mean diff) for columns 1,20,22 because error mean square = 0.

Pest Type				W Weed	W Weed	W Weed
Pest Code				SETFA	AMBTR	CHEAL
Pest Scientific Name				Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name				Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code		ZEAMX	ZEAMX			
BBCH Scale		BCOR	BCOR			
Crop Scientific Name		Zea mays	Zea mays			
Crop Name		Corn	Corn			
Rating Date		5-15-2015	5-28-2015	5-28-2015	5-28-2015	5-28-2015
Rating Type		PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%	%
Number of Subsamples		1	1	1	1	1
Days After First/Last Applic.		11 11	24 13	24 13	24 13	24 13
Trt-Eval Interval		0 DA-B	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Plant-Eval Interval		12 DP-1	25 DP-1	25 DP-1	25 DP-1	25 DP-1
Days After Emergence		6 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1
ARM Action Codes				ET1	ER4	
Number of Decimals		0	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	Appl Description	1	2	3	4	5
7	Halex GT	3.6 pt/a		B	EPO	0 a	3 a	90 ab	83 a	100 a
7	Atrazine	32 oz/a		B	EPO					
7	NIS	4.8 oz/a		B	EPO					
7	N PAK AMS	1.5 qt/a		B	EPO					
8	Capreno	3 oz/a		B	EPO	0 a	0 c	88 ab	85 a	100 a
8	Atrazine	32 oz/a		B	EPO					
8	Roundup PowerMax	22 oz/a		B	EPO					
8	HC MSO	9.6 oz/a		B	EPO					
8	N PAK AMS	1.5 qt/a		B	EPO					
9	Anthem ATZ	40 oz/a		B	EPO	0 a	2 b	93 a	83 a	100 a
9	Roundup PowerMax	22 oz/a		B	EPO					
9	NIS	4.8 oz/a		B	EPO					
9	N PAK AMS	1.5 qt/a		B	EPO					
10	Dual II Magnum	26 oz/a		A	PRE	0 a	0 c	48 d	17 cd	53 c
10	Roundup PowerMax	22 oz/a		C	POST					
10	Laudis	3 oz/a		C	POST					
10	Atrazine	32 oz/a		C	POST					
10	NIS	4.8 oz/a		C	POST					
10	N PAK AMS	1.5 qt/a		C	POST					
11	Dual II Magnum	26 oz/a		A	PRE	0 a	0 c	58 cd	27 c	70 b
11	Roundup PowerMax	22 oz/a		C	POST					
11	Callisto Xtra	24 oz/a		C	POST					
11	NIS	4.8 oz/a		C	POST					
11	N PAK AMS	1.5 qt/a		C	POST					
12	Corvus	5.6 oz/a		A	PRE	0 a	0 c	53 cd	53 b	100 a
12	Roundup PowerMax	22 oz/a		C	POST					
12	DiFlexx	12 oz/a		C	POST					
12	NIS	4.8 oz/a		C	POST					
12	N PAK AMS	1.5 qt/a		C	POST					
LSD P=.05						.	0.7	13.7	24.8	12.6
Standard Deviation						0.0	0.5	9.5	14.7	8.8
CV						0.0	133.33	13.41	28.68	10.54
Grand Mean						0.0	0.4	70.7	51.1	83.3
Bartlett's X2						0.0	0.0	6.912	13.112	22.743
P(Bartlett's X2)						.	.	0.734	0.158	0.001*
Skewness						.	2.3416*	0.0329	-0.4317	-1.9039*
Kurtosis						.	3.6329*	-1.2193	-1.3147	2.5835*
Replicate F						0.000	1.000	1.251	1.642	5.176
Replicate Prob(F)						1.0000	0.4051	0.3086	0.2165	0.0048
Treatment F						0.000	13.909	13.817	15.048	47.075
Treatment Prob(F)						1.0000	0.0001	0.0001	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed	
Pest Code	AMARE	ABUTH	HIBTR	
Pest Scientific Name	Amaranthus ret>	Abutilon theop>	Hibiscus trion>	
Pest Name	Redroot pigweed	velvetleaf	Venice mallow	
Crop Code				ZAEAMX
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	5-28-2015	5-28-2015	5-28-2015	6-18-2015
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	24 13	24 13	24 13	45 21
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	21 DA-C
Plant-Eval Interval	25 DP-1	25 DP-1	25 DP-1	46 DP-1
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	40 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Unit	Appl Code	Appl Description	6	7	8	9
1	UTC						0 c	0 c	50 b	0 a
2	Zidua SC	4 oz/a			A	PRE	98 b	78 ab	100 a	0 a
2	Status	5 oz/a			C	POST				
2	Roundup PowerMax	22 oz/a			C	POST				
2	NIS	4.8 oz/a			C	POST				
2	N PAK AMS	1.5 qt/a			C	POST				
3	Zidua Sc	5 oz/a			A	PRE	100 a	75 ab	100 a	0 a
3	Armezon	0.75 oz/a			C	POST				
3	Atrazine	16 oz/a			C	POST				
3	Roundup PowerMax	22 oz/a			C	POST				
3	HC MSO	9.6 oz/a			C	POST				
3	N PAK AMS	1.5 qt/a			C	POST				
4	Verdict	18 oz/a			A	PRE	100 a	100 a	100 a	0 a
4	Status	5 oz/a			C	POST				
4	Roundup PowerMax	22 oz/a			C	POST				
4	NIS	4.8 oz/a			C	POST				
4	N PAK AMS	1.5 qt/a			C	POST				
5	Verdict	18 oz/a			A	PRE	100 a	85 a	100 a	0 a
5	Armezon	0.75 oz/a			C	POST				
5	Atrazine	16 oz/a			C	POST				
5	Roundup PowerMax	22 oz/a			C	POST				
5	HC MSO	9.6 oz/a			C	POST				
5	N PAK AMS	1.5 qt/a			C	POST				
6	BAS 67703H	20 oz/a			B	EPO	100 a	100 a	99 a	0 a
6	Roundup PowerMax	22 oz/a			B	EPO				
6	NIS	4.8 oz/a			B	EPO				
6	N PAK AMS	1.5 qt/a			B	EPO				

Pest Type	W Weed	W Weed	W Weed	
Pest Code	AMARE	ABUTH	HIBTR	
Pest Scientific Name	Amaranthus ret>	Abutilon theop>	Hibiscus trion>	
Pest Name	Redroot pigweed	velvetleaf	Venice mallow	
Crop Code				ZAEAMX
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	5-28-2015	5-28-2015	5-28-2015	6-18-2015
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	24 13	24 13	24 13	45 21
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	21 DA-C
Plant-Eval Interval	25 DP-1	25 DP-1	25 DP-1	46 DP-1
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	40 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	Appl Description	6	7	8	9
7	Halex GT	3.6 pt/a		B	EPO	100 a	100 a	100 a	0 a
7	Atrazine	32 oz/a		B	EPO				
7	NIS	4.8 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	100 a	0 a
8	Atrazine	32 oz/a		B	EPO				
8	Roundup PowerMax	22 oz/a		B	EPO				
8	HC MSO	9.6 oz/a		B	EPO				
8	N PAK AMS	1.5 qt/a		B	EPO				
9	Anthem ATZ	40 oz/a		B	EPO	100 a	100 a	100 a	0 a
9	Roundup PowerMax	22 oz/a		B	EPO				
9	NIS	4.8 oz/a		B	EPO				
9	N PAK AMS	1.5 qt/a		B	EPO				
10	Dual II Magnum	26 oz/a		A	PRE	100 a	25 c	85 a	1 a
10	Roundup PowerMax	22 oz/a		C	POST				
10	Laudis	3 oz/a		C	POST				
10	Atrazine	32 oz/a		C	POST				
10	NIS	4.8 oz/a		C	POST				
10	N PAK AMS	1.5 qt/a		C	POST				
11	Dual II Magnum	26 oz/a		A	PRE	100 a	53 b	100 a	0 a
11	Roundup PowerMax	22 oz/a		C	POST				
11	Callisto Xtra	24 oz/a		C	POST				
11	NIS	4.8 oz/a		C	POST				
11	N PAK AMS	1.5 qt/a		C	POST				
12	Corvus	5.6 oz/a		A	PRE	100 a	100 a	100 a	0 a
12	Roundup PowerMax	22 oz/a		C	POST				
12	DiFlexx	12 oz/a		C	POST				
12	NIS	4.8 oz/a		C	POST				
12	N PAK AMS	1.5 qt/a		C	POST				
LSD P=.05						2.1	25.5	24.5	0.6
Standard Deviation						1.4	17.7	17.1	0.4
CV						1.58	23.24	18.05	692.82
Grand Mean						91.5	76.3	94.5	0.1
Bartlett's X2						0.0	0.647	19.276	0.0
P(Bartlett's X2)						.	0.958	0.001*	.
Skewness						-3.0993*	-1.2005*	-4.3486*	6.9282*
Kurtosis						7.9662*	-0.0687	18.613*	48.0*
Replicate F						1.000	2.009	0.828	1.000
Replicate Prob(F)						0.4051	0.1318	0.4879	0.4051
Treatment F						1593.727	14.445	2.952	1.000
Treatment Prob(F)						0.0001	0.0001	0.0079	0.4671

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	ECHCG	AMBTR	CHEAL
Pest Scientific Name	Setaria faberi	Echinochloa cr>	Ambrosia trifi>	Chenopodium al>
Pest Name	Giant foxtail	Common barnyar>	Giant ragweed	Common lambsqu>
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
Days After First/Last Applic.	45 21	45 21	45 21	45 21
Trt-Eval Interval	21 DA-C	21 DA-C	21 DA-C	21 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
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit	Appl Code Description	10	11	12	13
1 UTC					0 g	0 g	0 e	0 c
2 Zidua SC	4 oz/a		A	PRE	86 a-d	86 a-d	74 a	100 a
2 Status	5 oz/a		C	POST				
2 Roundup PowerMax	22 oz/a		C	POST				
2 NIS	4.8 oz/a		C	POST				
2 N PAK AMS	1.5 qt/a		C	POST				
3 Zidua Sc	5 oz/a		A	PRE	96 a	96 a	73 a	100 a
3 Armezon	0.75 oz/a		C	POST				
3 Atrazine	16 oz/a		C	POST				
3 Roundup PowerMax	22 oz/a		C	POST				
3 HC MSO	9.6 oz/a		C	POST				
3 N PAK AMS	1.5 qt/a		C	POST				
4 Verdict	18 oz/a		A	PRE	87 abc	87 abc	83 a	100 a
4 Status	5 oz/a		C	POST				
4 Roundup PowerMax	22 oz/a		C	POST				
4 NIS	4.8 oz/a		C	POST				
4 N PAK AMS	1.5 qt/a		C	POST				
5 Verdict	18 oz/a		A	PRE	78 b-e	78 b-e	73 a	100 a
5 Armezon	0.75 oz/a		C	POST				
5 Atrazine	16 oz/a		C	POST				
5 Roundup PowerMax	22 oz/a		C	POST				
5 HC MSO	9.6 oz/a		C	POST				
5 N PAK AMS	1.5 qt/a		C	POST				
6 BAS 67703H	20 oz/a		B	EPO	73 cde	73 cde	48 cd	86 b
6 Roundup PowerMax	22 oz/a		B	EPO				
6 NIS	4.8 oz/a		B	EPO				
6 N PAK AMS	1.5 qt/a		B	EPO				



## The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	ECHCG	AMBTR	CHEAL
Pest Scientific Name	Setaria faberi	Echinochloa cr>	Ambrosia trifi>	Chenopodium al>
Pest Name	Giant foxtail	Common barnyar>	Giant ragweed	Common lambsqu>
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
Days After First/Last Applic.	45 21	45 21	45 21	45 21
Trt-Eval Interval	21 DA-C	21 DA-C	21 DA-C	21 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
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit	Appl Code	Description	10	11	12	13
7 Halex GT	3.6 pt/a		B	EPO		65 e	65 e	53 c	100 a
7 Atrazine	32 oz/a		B	EPO					
7 NIS	4.8 oz/a		B	EPO					
7 N PAK AMS	1.5 qt/a		B	EPO					
8 Capreno	3 oz/a		B	EPO		43 f	35 f	38 d	95 a
8 Atrazine	32 oz/a		B	EPO					
8 Roundup PowerMax	22 oz/a		B	EPO					
8 HC MSO	9.6 oz/a		B	EPO					
8 N PAK AMS	1.5 qt/a		B	EPO					
9 Anthem ATZ	40 oz/a		B	EPO		75 b-e	75 b-e	58 bc	100 a
9 Roundup PowerMax	22 oz/a		B	EPO					
9 NIS	4.8 oz/a		B	EPO					
9 N PAK AMS	1.5 qt/a		B	EPO					
10 Dual II Magnum	26 oz/a		A	PRE		95 a	95 a	78 a	100 a
10 Roundup PowerMax	22 oz/a		C	POST					
10 Laudis	3 oz/a		C	POST					
10 Atrazine	32 oz/a		C	POST					
10 NIS	4.8 oz/a		C	POST					
10 N PAK AMS	1.5 qt/a		C	POST					
11 Dual II Magnum	26 oz/a		A	PRE		90 ab	90 ab	78 a	100 a
11 Roundup PowerMax	22 oz/a		C	POST					
11 Callisto Xtra	24 oz/a		C	POST					
11 NIS	4.8 oz/a		C	POST					
11 N PAK AMS	1.5 qt/a		C	POST					
12 Corvus	5.6 oz/a		A	PRE		70 de	70 de	70 ab	100 a
12 Roundup PowerMax	22 oz/a		C	POST					
12 DiFlexx	12 oz/a		C	POST					
12 NIS	4.8 oz/a		C	POST					
12 N PAK AMS	1.5 qt/a		C	POST					
LSD P=.05						16.7	16.6	14.6	7.2
Standard Deviation						11.6	11.5	10.2	5.0
CV						16.32	16.36	16.91	5.54
Grand Mean						71.2	70.6	60.1	90.1
Bartlett's X2						11.819	12.308	13.879	0.353
P(Bartlett's X2)						0.224	0.196	0.127	0.552
Skewness						-1.3221*	-1.2599*	-1.2516*	-2.9095*
Kurtosis						1.041	0.702	1.0328	7.0928*
Replicate F						9.676	10.521	3.339	0.409
Replicate Prob(F)						0.0001	0.0001	0.0310	0.7473
Treatment F						21.372	22.979	21.281	132.018
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	AMARE	SETFA	ECHCG
Pest Scientific Name	Abutilon theop>	Amaranthus ret>	Setaria faberi	Echinochloa cr>
Pest Name	velvetleaf	Redroot pigweed	Giant foxtail	Common barnyar>
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	6-18-2015	6-18-2015	7-7-2015	7-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	45 21	45 21	64 40	64 40
Trt-Eval Interval	21 DA-C	21 DA-C	40 DA-C	40 DA-C
Plant-Eval Interval	46 DP-1	46 DP-1	65 DP-1	65 DP-1
Days After Emergence	40 DE-1	40 DE-1	59 DE-1	59 DE-1
ARM Action Codes	AA		AA	AA
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Other Rate	Other Rate	Unit	Appl Code	Appl Description	14	15	16	17
1 UTC						0 c	0 c	0 f	0 e
2 Zidua SC	4 oz/a			A	PRE	100 a	100 a	89 b	87 b
2 Status	5 oz/a			C	POST				
2 Roundup PowerMax	22 oz/a			C	POST				
2 NIS	4.8 oz/a			C	POST				
2 N PAK AMS	1.5 qt/a			C	POST				
3 Zidua Sc	5 oz/a			A	PRE	100 a	100 a	100 a	100 a
3 Armezon	0.75 oz/a			C	POST				
3 Atrazine	16 oz/a			C	POST				
3 Roundup PowerMax	22 oz/a			C	POST				
3 HC MSO	9.6 oz/a			C	POST				
3 N PAK AMS	1.5 qt/a			C	POST				
4 Verdict	18 oz/a			A	PRE	100 a	100 a	86 bc	80 b
4 Status	5 oz/a			C	POST				
4 Roundup PowerMax	22 oz/a			C	POST				
4 NIS	4.8 oz/a			C	POST				
4 N PAK AMS	1.5 qt/a			C	POST				
5 Verdict	18 oz/a			A	PRE	100 a	100 a	66 cde	66 bcd
5 Armezon	0.75 oz/a			C	POST				
5 Atrazine	16 oz/a			C	POST				
5 Roundup PowerMax	22 oz/a			C	POST				
5 HC MSO	9.6 oz/a			C	POST				
5 N PAK AMS	1.5 qt/a			C	POST				
6 BAS 67703H	20 oz/a			B	EPO	91 b	98 b	74 bcd	72 bc
6 Roundup PowerMax	22 oz/a			B	EPO				
6 NIS	4.8 oz/a			B	EPO				
6 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	ABUTH	AMARE	SETFA	ECHCG
Pest Scientific Name	Abutilon theop>	Amaranthus ret>	Setaria faberi	Echinochloa cr>
Pest Name	velvetleaf	Redroot pigweed	Giant foxtail	Common barnyar>
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	6-18-2015	6-18-2015	7-7-2015	7-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	45 21	45 21	64 40	64 40
Trt-Eval Interval	21 DA-C	21 DA-C	40 DA-C	40 DA-C
Plant-Eval Interval	46 DP-1	46 DP-1	65 DP-1	65 DP-1
Days After Emergence	40 DE-1	40 DE-1	59 DE-1	59 DE-1
ARM Action Codes	AA		AA	AA
Number of Decimals	0	0	0	0

Trt Treatment	Other Rate	Other Rate	Appl Unit	Appl Code	Description	14	15	16	17
7 Halex GT	3.6 pt/a		B	EPO		100 a	100 a	51 de	40 d
7 Atrazine	32 oz/a		B	EPO					
7 NIS	4.8 oz/a		B	EPO					
7 N PAK AMS	1.5 qt/a		B	EPO					
8 Capreno	3 oz/a		B	EPO		99 a	100 a	6 f	6 e
8 Atrazine	32 oz/a		B	EPO					
8 Roundup PowerMax	22 oz/a		B	EPO					
8 HC MSO	9.6 oz/a		B	EPO					
8 N PAK AMS	1.5 qt/a		B	EPO					
9 Anthem ATZ	40 oz/a		B	EPO		100 a	100 a	78 bc	78 b
9 Roundup PowerMax	22 oz/a		B	EPO					
9 NIS	4.8 oz/a		B	EPO					
9 N PAK AMS	1.5 qt/a		B	EPO					
10 Dual II Magnum	26 oz/a		A	PRE		100 a	100 a	85 bc	85 b
10 Roundup PowerMax	22 oz/a		C	POST					
10 Laudis	3 oz/a		C	POST					
10 Atrazine	32 oz/a		C	POST					
10 NIS	4.8 oz/a		C	POST					
10 N PAK AMS	1.5 qt/a		C	POST					
11 Dual II Magnum	26 oz/a		A	PRE		100 a	100 a	85 bc	85 b
11 Roundup PowerMax	22 oz/a		C	POST					
11 Callisto Xtra	24 oz/a		C	POST					
11 NIS	4.8 oz/a		C	POST					
11 N PAK AMS	1.5 qt/a		C	POST					
12 Corvus	5.6 oz/a		A	PRE		99 a	100 a	45 e	45 cd
12 Roundup PowerMax	22 oz/a		C	POST					
12 DiFlexx	12 oz/a		C	POST					
12 NIS	4.8 oz/a		C	POST					
12 N PAK AMS	1.5 qt/a		C	POST					
LSD P=.05						9.4t	2.1	15.1t	17.4t
Standard Deviation						6.5t	1.4	10.5t	12.1t
CV						8.18t	1.58	19.76t	23.34t
Grand Mean						79.7t	91.5	53.1t	52.0t
Bartlett's X2						4.951	0.0	12.816	15.97
P(Bartlett's X2)						0.292	.	0.234	0.10
Skewness						-2.7116*	-3.0993*	-0.6277	-0.6047
Kurtosis						6.2119*	7.9662*	-0.3451	-0.4544
Replicate F						0.681	1.000	19.802	16.155
Replicate Prob(F)						0.5702	0.4051	0.0001	0.0001
Treatment F						61.720	1593.727	22.070	16.406
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	ABUTH	AMARE
Pest Scientific Name	Ambrosia trifida	Chenopodium album	Abutilon theophrasti	Amaranthus retrofractus
Pest Name	Giant ragweed	Common lambsquarters	velvetleaf	Redroot pigweed
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	7-7-2015	7-7-2015	7-7-2015	7-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	64 40	64 40	64 40	64 40
Trt-Eval Interval	40 DA-C	40 DA-C	40 DA-C	40 DA-C
Plant-Eval Interval	65 DP-1	65 DP-1	65 DP-1	65 DP-1
Days After Emergence	59 DE-1	59 DE-1	59 DE-1	59 DE-1
ARM Action Codes	ET12		ET1	
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Unit	Appl Code	Appl Description	18	19	20	21	22
1	UTC						0 f	0 c	0		0 c
2	Zidua SC	4 oz/a			A	PRE	61 ab	100 a	100 a		95 b
2	Status	5 oz/a			C	POST					
2	Roundup PowerMax	22 oz/a			C	POST					
2	NIS	4.8 oz/a			C	POST					
2	N PAK AMS	1.5 qt/a			C	POST					
3	Zidua Sc	5 oz/a			A	PRE	50 bcd	100 a	100 a		100 a
3	Armezon	0.75 oz/a			C	POST					
3	Atrazine	16 oz/a			C	POST					
3	Roundup PowerMax	22 oz/a			C	POST					
3	HC MSO	9.6 oz/a			C	POST					
3	N PAK AMS	1.5 qt/a			C	POST					
4	Verdict	18 oz/a			A	PRE	75 a	100 a	100 a		100 a
4	Status	5 oz/a			C	POST					
4	Roundup PowerMax	22 oz/a			C	POST					
4	NIS	4.8 oz/a			C	POST					
4	N PAK AMS	1.5 qt/a			C	POST					
5	Verdict	18 oz/a			A	PRE	50 bcd	100 a	100 a		100 a
5	Armezon	0.75 oz/a			C	POST					
5	Atrazine	16 oz/a			C	POST					
5	Roundup PowerMax	22 oz/a			C	POST					
5	HC MSO	9.6 oz/a			C	POST					
5	N PAK AMS	1.5 qt/a			C	POST					
6	BAS 67703H	20 oz/a			B	EPO	28 e	90 b	100 a		100 a
6	Roundup PowerMax	22 oz/a			B	EPO					
6	NIS	4.8 oz/a			B	EPO					
6	N PAK AMS	1.5 qt/a			B	EPO					

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	ABUTH	AMARE
Pest Scientific Name	Ambrosia trifida	Chenopodium album	Abutilon theophrasti	Amaranthus retrofractus
Pest Name	Giant ragweed	Common lambsquarters	velvetleaf	Redroot pigweed
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	7-7-2015	7-7-2015	7-7-2015	7-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	64 40	64 40	64 40	64 40
Trt-Eval Interval	40 DA-C	40 DA-C	40 DA-C	40 DA-C
Plant-Eval Interval	65 DP-1	65 DP-1	65 DP-1	65 DP-1
Days After Emergence	59 DE-1	59 DE-1	59 DE-1	59 DE-1
ARM Action Codes	ET12		ET1	
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Unit	Appl Code	Appl Description	18	19	20	21	22
7	Halex GT	3.6 pt/a			B	EPO	40 cde	100 a	100 a	100 a	
7	Atrazine	32 oz/a			B	EPO					
7	NIS	4.8 oz/a			B	EPO					
7	N PAK AMS	1.5 qt/a			B	EPO					
8	Capreno	3 oz/a			B	EPO	33 de	95 ab	100 a	100 a	
8	Atrazine	32 oz/a			B	EPO					
8	Roundup PowerMax	22 oz/a			B	EPO					
8	HC MSO	9.6 oz/a			B	EPO					
8	N PAK AMS	1.5 qt/a			B	EPO					
9	Anthem ATZ	40 oz/a			B	EPO	30 e	100 a	100 a	100 a	
9	Roundup PowerMax	22 oz/a			B	EPO					
9	NIS	4.8 oz/a			B	EPO					
9	N PAK AMS	1.5 qt/a			B	EPO					
10	Dual II Magnum	26 oz/a			A	PRE	55 bc	100 a	100 a	100 a	
10	Roundup PowerMax	22 oz/a			C	POST					
10	Laudis	3 oz/a			C	POST					
10	Atrazine	32 oz/a			C	POST					
10	NIS	4.8 oz/a			C	POST					
10	N PAK AMS	1.5 qt/a			C	POST					
11	Dual II Magnum	26 oz/a			A	PRE	60 ab	100 a	100 a	100 a	
11	Roundup PowerMax	22 oz/a			C	POST					
11	Callisto Xtra	24 oz/a			C	POST					
11	NIS	4.8 oz/a			C	POST					
11	N PAK AMS	1.5 qt/a			C	POST					
12	Corvus	5.6 oz/a			A	PRE	53	100 a	100 a	100 a	
12	Roundup PowerMax	22 oz/a			C	POST					
12	DiFlexx	12 oz/a			C	POST					
12	NIS	4.8 oz/a			C	POST					
12	N PAK AMS	1.5 qt/a			C	POST					
LSD P=.05							19.3	9.4	.	4.2	.
Standard Deviation							13.3	6.5	0.0	2.9	.
CV							30.49	7.23	0.0	3.16	.
Grand Mean							43.8	90.4	100.0	91.3	.
Bartlett's X2							7.82	1.321	0.0	0.0	.
P(Bartlett's X2)							0.552	0.25	.	.	.
Skewness							-0.145	-2.8945*	.	-3.0614*	.
Kurtosis							-0.5287	6.9474*	.	7.7899*	.
Replicate F							6.422	0.716	0.000	1.000	
Replicate Prob(F)							0.0017	0.5495	1.0000	0.4051	
Treatment F							9.572	76.882	0.000	397.364	
Treatment Prob(F)							0.0001	0.0001	1.0000	0.0001	

