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GWN 10293 Weed Control Combinations for Corn

Trial ID: 14S-THP-CTC-02 Protocol ID: 14S-THP-CTC-02
 Location: Throckmorton Study Director:
 Project ID: 10293 Corn Investigator: Dr. Bill Johnson
 Sponsor Contact: Gowan - Alan Helm

General Trial Information

Investigator: Dr. Bill Johnson **Title:** Professor

Discipline: H herbicide
Trial Status: E established

Trial Location

City: Lafayette
State/Prov.: IN
Postal Code: 47909
Country: USA

Personnel

Investigator: Dr. Bill Johnson **Title:** Professor
Affiliation: Purdue University
Address: 915 W State Street
Location: West Lafayette, IN, USA
Postal Code: 47907 **E-mail:** wj@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
State/Prov.: IN **Phone No.:** 765-538-3422
Postal Code: 47909 **Fax No.:** 765-538-3423
Country: USA United States **E-mail:** jayyoung@purdue.edu

Crop Description

Crop 1: ZEAMD Zea mays indentata Dent corn
Variety: Dekalb DKC 62-08 **Description:** HXX, LL, RR2
BBCH Scale: BCOR **Planting Date:** May-5-2014
Planting Method: SEEDED seeded **Rate, Unit:** 33000 S/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Seed Bed: FINE fine
Emergence Date: May-12-2014

Pest Description

Pest 1 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant ragweed
Pest 2 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant foxtail
Pest 3 Type: W **Code:** CHEAL Chenopodium album
Common Name: Common lambsquarters
Pest 4 Type: W **Code:** ABUTH Abutilon theophrasti
Common Name: Velvetleaf

Site and Design

Plot Width, Unit: 10 FT **Site Type:** FIELD field
Plot Length, Unit: 30 FT **Experimental Unit:** 1 PLOT plot
Plot Area, Unit: 300 FT2 **Tillage Type:** CONTIL conventional-till
Replications: 4 **Study Design:** RACOB Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

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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:	May-6-2014	Jun-6-2014
Time of Day:	AM	AM
Application Method:	SPRAY	SPRAY
Application Timing:	ATPLAN	MIPOCR
Application Placement:	BROADC	BROADC
Air Temperature, Unit:	75.1 F	72 F
% Relative Humidity:	32.5	66
Wind Velocity, Unit:	9.6 MPH	4.5 MPH
Wind Direction:	SW	S
Dew Presence (Y/N):	N no	Y yes
Soil Temperature, Unit:	67.5 F	70 F
Soil Moisture:	DRY	MOIST
% Cloud Cover:	10	0

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMD BCOR	ZEAMD BCOR
Height, Unit:		10 IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	AMBTR W	AMBTR W
Height, Unit:		4 IN
Height Minimum, Maximum:		3 5
Density, Unit:		2 FT2
Pest 2 Code, Type, Scale:	SETFA W	SETFA W
Height, Unit:		2 IN
Height Minimum, Maximum:		1 2
Density, Unit:		31 YD2
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W
Height, Unit:		1 IN
Height Minimum, Maximum:		1 2
Density, Unit:		1 YD2
Pest 4 Code, Type, Scale:	ABUTH W	ABUTH W
Height, Unit:		1 IN
Height Minimum, Maximum:		1 2
Density, Unit:		1 YD2

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Application Equipment

	A	B
Appl. Equipment:	CO2 FORD	CO2 FORD
Equipment Type:	SPTRMO	SPTRMO
Operation Pressure, Unit:	25 PSI	25 PSI
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	XR 100 02	XR 100 02
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:	6	6
Boom Length, Unit:	10 FT	10 FT
Ground Speed, Unit:	2.1 MPH	2.1 MPH
Carrier:	MEIGS	MEIGS
Spray Volume, Unit:	20 gal/ac	20 gal/ac
Mix Size, Unit:	2.5 liters	2.5 liters
Propellant:	CO2	CO2

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GWN 10293 Weed Control Combinations for Corn

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 Location: Throckmorton Study Director:
 Project ID: 10293 Corn Investigator: Dr. Bill Johnson
 Sponsor Contact: Gowan - Alan Helm

Reps: 4 Plots: 10 by 30 feet
 Spray vol: 20 gal/ac Mix size: 2.5 liters (min 2.0856)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Appl Description	Amt to Measure	Product	Rep 1	2	3	4
1	Untreated Check													101	405	703	907
2	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		103	307	603	905
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN A			6.249 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	17 lb ai/100 gal		20 qt/100 gal		ATPLAN A			125.0 ml/mx					
3	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		105	501	701	1007
	COC	100 %		SL	1 % v/v		1 % v/v		ATPLAN A			25.0 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	17 lb ai/100 gal		20 qt/100 gal		ATPLAN A			125.0 ml/mx					
4	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		107	403	605	1001
	MSO	100 %		L	1 % v/v		1 % v/v		ATPLAN A			25.0 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	17 lb ai/100 gal		20 qt/100 gal		ATPLAN A			125.0 ml/mx					
5	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		MIPOCR B		<12" Corn	3.963 g/mx		201	507	803	1003
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		MIPOCR B		<12" Corn	6.249 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	17 lb ai/100 gal		20 qt/100 gal		MIPOCR B		<12" Corn	125.0 ml/mx					
6	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		MIPOCR B		<12" Corn	3.963 g/mx		203	407	601	903
	COC	100 %		SL	1 % v/v		1 % v/v		MIPOCR B		<12" Corn	25.0 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	17 lb ai/100 gal		20 qt/100 gal		MIPOCR B		<12" Corn	125.0 ml/mx					
7	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		MIPOCR B		<12" Corn	3.963 g/mx		205	305	707	805
	MSO	100 %		L	1 % v/v		1 % v/v		MIPOCR B		<12" Corn	25.0 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	17 lb ai/100 gal		20 qt/100 gal		MIPOCR B		<12" Corn	125.0 ml/mx					
8	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		207	505	607	901
	Sencor DF	75 %AW/W		DF	42.5 g ai/a		2 oz/a		ATPLAN A			1.871 g/mx					
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN A			6.249 ml/mx					
9	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		301	401	705	807
	Sencor DF	75 %AW/W		DF	42.5 g ai/a		2 oz/a		ATPLAN A			1.871 g/mx					
	Dual II Magnum (7.64 EC)	7.64 LBA/GAL		EC	576 g ai/a		1.33 pt/a		ATPLAN A			20.78 ml/mx					
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN A			6.249 ml/mx					
10	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		303	503	801	1005
	Sencor DF	75 %AW/W		DF	42.5 g ai/a		2 oz/a		ATPLAN A			1.871 g/mx					
	Outlook (6.0 EC)	6 LBA/GAL		EC	298 g ai/a		14 oz/a		ATPLAN A			13.69 ml/mx					
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN A			6.249 ml/mx					
11	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		102	304	606	1002
	Sencor DF	75 %AW/W		DF	42.5 g ai/a		2 oz/a		ATPLAN A			1.871 g/mx					
	Atrazine	4 LBA/GAL		F	0.5 lb ai/a		16 oz/a		ATPLAN A			15.62 ml/mx					
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN A			6.249 ml/mx					
12	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		104	502	702	904
	Atrazine	4 LBA/GAL		F	0.5 lb ai/a		16 oz/a		ATPLAN A			15.62 ml/mx					
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN A			6.249 ml/mx					
13	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		MIPOCR B		<12" Corn	3.963 g/mx		106	406	602	902
	Permit (75 WG)	75 %		WG	14.2 g ai/a		0.67 oz/a		MIPOCR B		<12" Corn	0.6252 g/mx					
	COC	100 %		SL	1 % v/v		1 % v/v		MIPOCR B		<12" Corn	25.0 ml/mx					
14	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		MIPOCR B		<12" Corn	3.963 g/mx		202	306	604	906
	Yukon (67.5 DF)	67.5 %		DF	76.5 g ai/a		4 oz/a		MIPOCR B		<12" Corn	3.742 g/mx					
	COC	100 %		SL	1 % v/v		1 % v/v		MIPOCR B		<12" Corn	25.0 ml/mx					
15	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN A			3.963 g/mx		204	506	706	1006
	Sencor DF	75 %AW/W		DF	42.5 g ai/a		2 oz/a		ATPLAN A			1.871 g/mx					
	Atrazine	4 LBA/GAL		F	0.5 lb ai/a		0.5 qt/a		ATPLAN A			15.62 ml/mx					
	Dual II Magnum (7.64 EC)	7.64 LBA/GAL		EC	576 g ai/a		1.33 pt/a		ATPLAN A			20.78 ml/mx					
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN A			6.249 ml/mx					

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Reps: 4

Plots: 10 by 30 feet

Spray vol: 20 gal/ac

Mix size: 2.5 liters (min 2.0856)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Appl Description	Amt Product to Measure	Rep 1	2	3	4
16	GWN 10293 (50 WDG)	50 %		WG	60 g ai/a		4.23 oz/a		ATPLAN	A		3.963 g/mx	206	404	704	806
	Sencor DF	75 %	AW/W	DF	42.5 g ai/a		2 oz/a		ATPLAN	A		1.871 g/mx				
	Atrazine	4 LBA/GAL	F		0.5 lb ai/a		0.5 qt/a		ATPLAN	A		15.62 ml/mx				
	Outlook (6.0 EC)	6 LBA/GAL	EC		298 g ai/a		14 oz/a		ATPLAN	A		13.69 ml/mx				
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN	A		6.249 ml/mx				
17	Lumax EZ (3.95 SC)	3.95 LBA/GAL		SC	2.47 lb ai/a		2.5 qt/a		ATPLAN	A		78.16 ml/mx	302	402	802	804
	NIS	100 %		SL	0.25 % v/v		0.25 % v/v		ATPLAN	A		6.249 ml/mx				

Sort Order: Treatment

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 Project ID: 10293 Corn Investigator: Dr. Bill Johnson
 Sponsor Contact: Gowan - Alan Helm

Pest Type	W Weed	W Weed		W Weed	W Weed		
Pest Code	AMBTR	IPOHE		AMBTR	SETFA		
Pest Scientific Name	Ambrosia trifi>	Ipomoea heder>		Ambrosia trifi>	Setaria faberi		
Pest Name	Giant ragweed	Ivyleaf mornin>		Giant ragweed	Giant foxtail		
Crop Code	ZEAMD	ZEAMD	ZEAMX	ZEAMD	ZEAMD		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays	Zea mays inden>	Zea mays inden>		
Crop Name	Dent corn	Dent corn	Corn	Dent corn	Dent corn		
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->		Dekalb DKC 62->	Dekalb DKC 62->		
Rating Date	May-21-2014	May-21-2014	May-21-2014	Jun-2-2014	Jun-2-2014		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Sample Size, Unit	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1	1		
Crop Stage Majority				V4	V4		
Pest Stage Majority				3	1.5		
Pest Density, Unit	10 YD2	1 YD2		5 YD2	5 FT2		
Days After First/Last Applic.	15 15	15 15	15 15	27 27	27 27		
Plant-Eval Interval	16 DP-1	16 DP-1	16 DP-1	28 DP-1	28 DP-1		
Days After Emergence	9 DE-1	9 DE-1	9 DE-1	21 DE-1	21 DE-1		
Trt Treatment	Rate	Appl					
No. Name	Rate Unit	Code Plot	1	2	3	4	5
1 Untreated Check		101	0.0	0.0	0.0	0.0	0.0
		405	0.0	0.0	0.0	0.0	0.0
		703	0.0	99.0	0.0	0.0	0.0
		907	0.0	99.0	0.0	0.0	0.0
		Mean =	0.0	49.5	0.0	0.0	0.0
2 GWN 10293 (50 WDG)	60 g ai/a	A 103	50.0	99.0	0.0	85.0	50.0
NIS	0.25 % v/v	A 307	75.0	99.0	0.0	93.0	60.0
AMS - Liquid	17 lb ai/100 gal	A 603	50.0	99.0	0.0	85.0	40.0
		905	50.0	99.0	0.0	87.0	87.0
		Mean =	56.3	99.0	0.0	87.5	59.3
3 GWN 10293 (50 WDG)	60 g ai/a	A 105	70.0	99.0	0.0	92.0	87.0
COC	1 % v/v	A 501	50.0	99.0	0.0	77.0	93.0
AMS - Liquid	17 lb ai/100 gal	A 701	80.0	99.0	0.0	93.0	60.0
		1007	40.0	99.0	0.0	90.0	65.0
		Mean =	60.0	99.0	0.0	88.0	76.3
4 GWN 10293 (50 WDG)	60 g ai/a	A 107	50.0	99.0	0.0	87.0	60.0
MSO	1 % v/v	A 403	10.0	99.0	0.0	75.0	30.0
AMS - Liquid	17 lb ai/100 gal	A 605	60.0	99.0	0.0	93.0	80.0
		1001	55.0	99.0	0.0	85.0	87.0
		Mean =	43.8	99.0	0.0	85.0	64.3
5 GWN 10293 (50 WDG)	60 g ai/a	B 201	50.0	99.0	0.0	20.0	50.0
NIS	0.25 % v/v	B 507	25.0	99.0	0.0	0.0	50.0
AMS - Liquid	17 lb ai/100 gal	B 803	0.0	99.0	0.0	0.0	0.0
		1003	20.0	99.0	0.0	0.0	0.0
		Mean =	23.8	99.0	0.0	5.0	25.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	IPHOE		AMBTR
Pest Scientific Name	Ambrosia trifida>	Ipomoea hederata>		Ambrosia trifida>
Pest Name	Giant ragweed	Ipomoea hederata>		Giant ragweed
Crop Code	ZEAMD	ZEAMD	ZEAMX	ZEAMD
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>
Crop Name	Dent corn	Dent corn	Corn	Dent corn
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->
Rating Date	May-21-2014	May-21-2014	May-21-2014	Jun-2-2014
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%
Sample Size, Unit	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Crop Stage Majority				V4
Pest Stage Majority				3
Pest Density, Unit	10 YD2	1 YD2		5 YD2
Days After First/Last Applic.	15 15	15 15	15 15	27 27
Plant-Eval Interval	16 DP-1	16 DP-1	16 DP-1	28 DP-1
Days After Emergence	9 DE-1	9 DE-1	9 DE-1	21 DE-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	1	2	3	4	5
6	GWN 10293 (50 WDG)	60 g ai/a	ai/a	B	203	95.0	0.0	0.0	0.0	0.0
	COC	1 % v/v	v/v	B	407	45.0	99.0	0.0	0.0	50.0
	AMS - Liquid	17 lb ai/100 gal	gal	B	601	60.0	0.0	0.0	10.0	87.0
					903	40.0	99.0	0.0	0.0	0.0
					Mean =	60.0	49.5	0.0	2.5	34.3
7	GWN 10293 (50 WDG)	60 g ai/a	ai/a	B	205	70.0	0.0	0.0	20.0	60.0
	MSO	1 % v/v	v/v	B	305	75.0	99.0	0.0	60.0	0.0
	AMS - Liquid	17 lb ai/100 gal	gal	B	707	60.0	0.0	0.0	50.0	50.0
					805	40.0	99.0	0.0	60.0	50.0
					Mean =	61.3	49.5	0.0	47.5	40.0
8	GWN 10293 (50 WDG)	60 g ai/a	ai/a	A	207	80.0	99.0	0.0	95.0	93.0
	Sencor DF	42.5 g ai/a	ai/a	A	505	30.0	99.0	0.0	90.0	90.0
	NIS	0.25 % v/v	v/v	A	607	85.0	99.0	0.0	95.0	93.0
					901	45.0	99.0	0.0	83.0	95.0
					Mean =	60.0	99.0	0.0	90.8	92.8
9	GWN 10293 (50 WDG)	60 g ai/a	ai/a	A	301	70.0	99.0	0.0	83.0	97.0
	Sencor DF	42.5 g ai/a	ai/a	A	401	40.0	99.0	0.0	85.0	97.0
	Dual II Magnum (7.64 EC)	576 g ai/a	ai/a	A	705	60.0	99.0	0.0	87.0	97.0
	NIS	0.25 % v/v	v/v	A	807	70.0	99.0	0.0	87.0	99.0
					Mean =	60.0	99.0	0.0	85.5	97.5
10	GWN 10293 (50 WDG)	60 g ai/a	ai/a	A	303	70.0	99.0	0.0	85.0	87.0
	Sencor DF	42.5 g ai/a	ai/a	A	503	20.0	99.0	0.0	87.0	97.0
	Outlook (6.0 EC)	298 g ai/a	ai/a	A	801	10.0	99.0	0.0	55.0	90.0
	NIS	0.25 % v/v	v/v	A	1005	75.0	99.0	0.0	93.0	97.0
					Mean =	43.8	99.0	0.0	80.0	92.8
11	GWN 10293 (50 WDG)	60 g ai/a	ai/a	A	102	40.0	99.0	0.0	80.0	0.0
	Sencor DF	42.5 g ai/a	ai/a	A	304	80.0	99.0	0.0	85.0	0.0
	Atrazine	0.5 lb ai/a	ai/a	A	606	60.0	99.0	0.0	97.0	90.0
	NIS	0.25 % v/v	v/v	A	1002	60.0	99.0	0.0	85.0	65.0
					Mean =	60.0	99.0	0.0	86.8	38.8
12	GWN 10293 (50 WDG)	60 g ai/a	ai/a	A	104	20.0	99.0	0.0	87.0	80.0
	Atrazine	0.5 lb ai/a	ai/a	A	502	30.0	99.0	0.0	83.0	50.0
	NIS	0.25 % v/v	v/v	A	702	75.0	70.0	0.0	90.0	55.0
					904	60.0	99.0	0.0	90.0	40.0
					Mean =	46.3	91.8	0.0	87.5	56.3

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	IPHOE		AMBTR
Pest Scientific Name	Ambrosia trifida>	Ipomoea hederacea>		Ambrosia trifida>
Pest Name	Giant ragweed	Ipomoea hederacea>		Giant ragweed
Crop Code	ZEAMD	ZEAMD	ZEAMX	ZEAMD
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>
Crop Name	Dent corn	Dent corn	Corn	Dent corn
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->		Dekalb DKC 62->
Rating Date	May-21-2014	May-21-2014	May-21-2014	Jun-2-2014
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%
Sample Size, Unit	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Crop Stage Majority				V4
Pest Stage Majority				3
Pest Density, Unit	10 YD2	1 YD2		5 YD2
Days After First/Last Applic.	15 15	15 15	15 15	27 27
Plant-Eval Interval	16 DP-1	16 DP-1	16 DP-1	28 DP-1
Days After Emergence	9 DE-1	9 DE-1	9 DE-1	21 DE-1

Trt No.	Treatment Name	Rate	Appl Code	Plot	1	2	3	4	5
13	GWN 10293 (50 WDG)	60 g ai/a	B	106	0.0	0.0	0.0	0.0	0.0
	Permit (75 WG)	14.2 g ai/a	B	406	60.0	99.0	0.0	20.0	50.0
	COC	1 % v/v	B	602	60.0	99.0	0.0	30.0	30.0
				902	0.0	99.0	0.0	0.0	0.0
Mean =					30.0	74.3	0.0	12.5	20.0
14	GWN 10293 (50 WDG)	60 g ai/a	B	202	50.0	99.0	0.0	0.0	0.0
	Yukon (67.5 DF)	76.5 g ai/a	B	306	85.0	100.0*	0.0	75.0	50.0
	COC	1 % v/v	B	604	10.0	99.0	0.0	0.0	0.0
				906	20.0	99.0	0.0	0.0	0.0
Mean =					41.3	99.3	0.0	18.8	12.5
15	GWN 10293 (50 WDG)	60 g ai/a	A	204	65.0	99.0	0.0	83.0	87.0
	Sencor DF	42.5 g ai/a	A	506	10.0	99.0	0.0	90.0	99.0
	Atrazine	0.5 lb ai/a	A	706	90.0	99.0	0.0	93.0	99.0
	Dual II Magnum (7.64 EC)	576 g ai/a	A	1006	60.0	99.0	0.0	93.0	99.0
	NIS	0.25 % v/v	A						
Mean =					56.3	99.0	0.0	89.8	96.0
16	GWN 10293 (50 WDG)	60 g ai/a	A	206	75.0	99.0	0.0	93.0	99.0
	Sencor DF	42.5 g ai/a	A	404	30.0	99.0	0.0	85.0	90.0
	Atrazine	0.5 lb ai/a	A	704	40.0	99.0	0.0	90.0	97.0
	Outlook (6.0 EC)	298 g ai/a	A	806	20.0	99.0	0.0	83.0	99.0
	NIS	0.25 % v/v	A						
Mean =					41.3	99.0	0.0	87.8	96.3
17	Lumax EZ (3.95 SC)	2.47 lb ai/a	A	302	75.0	99.0	0.0	85.0	95.0
	NIS	0.25 % v/v	A	402	0.0	99.0	0.0	85.0	97.0
				802	20.0	99.0	0.0	83.0	99.0
				804	20.0	99.0	0.0	80.0	95.0
Mean =					28.8	99.0	0.0	83.3	96.5

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Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	6	7	8	9	10
1	Untreated Check				101 405 703 907	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
					Mean =	0.0	0.0	0.0	0.0	0.0
2	GWN 10293 (50 WDG)	60 g ai/a	A		103	70.0	0.0	50.0	60.0	70.0
	NIS	0.25 % v/v	A		307	99.0	0.0	65.0	82.0	99.0
	AMS - Liquid	17 lb ai/100 gal	A		603 905	99.0 99.0	0.0 0.0	50.0 80.0	75.0 88.0	99.0 87.0
					Mean =	91.8	0.0	61.3	76.3	88.8
3	GWN 10293 (50 WDG)	60 g ai/a	A		105	87.0	0.0	60.0	90.0	50.0
	COC	1 % v/v	A		501	99.0	0.0	95.0	65.0	99.0
	AMS - Liquid	17 lb ai/100 gal	A		701 1007	80.0 99.0	0.0 0.0	87.0 70.0	85.0 87.0	70.0 99.0
					Mean =	91.3	0.0	78.0	81.8	79.5
4	GWN 10293 (50 WDG)	60 g ai/a	A		107	99.0	0.0	70.0	87.0	99.0
	MSO	1 % v/v	A		403	99.0	0.0	40.0	60.0	99.0
	AMS - Liquid	17 lb ai/100 gal	A		605 1001	99.0 90.0	0.0 0.0	84.0 83.0	87.0 80.0	90.0 70.0
					Mean =	96.8	0.0	69.3	78.5	89.5
5	GWN 10293 (50 WDG)	60 g ai/a	B		201	70.0	0.0	86.0	65.0	90.0
	NIS	0.25 % v/v	B		507	0.0	0.0	70.0	60.0	60.0
	AMS - Liquid	17 lb ai/100 gal	B		803 1003	0.0 0.0	0.0 0.0	10.0 55.0	30.0 65.0	15.0 40.0
					Mean =	17.5	0.0	55.3	55.0	51.3

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	SETFA	AMBTR	CHEAL
Pest Scientific Name	Chenopodium al>	Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Common lambsqu>	Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code	ZEAMD	ZEAMD	ZEAMD	ZEAMD
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>
Crop Name	Dent corn	Dent corn	Dent corn	Dent corn
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->
Rating Date	Jun-2-2014	Jun-2-2014	Jun-12-2014	Jun-12-2014
Rating Type	CONTRO	PHYDEF	CONTRO	CONTRO
Rating Unit	%	%	%	%
Sample Size, Unit	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Crop Stage Majority	V4	V4	V6	V6
Pest Stage Majority	0.75		4	3
Pest Density, Unit	1 YD2		6 FT2	2 YD2
Days After First/Last Applic.	27 27	27 27	37 6	37 6
Plant-Eval Interval	28 DP-1	28 DP-1	38 DP-1	38 DP-1
Days After Emergence	21 DE-1	21 DE-1	31 DE-1	31 DE-1

Trt Treatment	Rate	Appl	Plot	6	7	8	9	10
No. Name	Rate Unit	Code						
6 GWN 10293 (50 WDG)	60 g ai/a	B	203	0.0	0.0	75.0	20.0	40.0
COC	1 % v/v	B	407	50.0	0.0	75.0	65.0	79.0
AMS - Liquid	17 lb ai/100 gal	B	601	18.5*	0.0	90.0	65.0	93.0
			903	0.0	0.0	45.0	20.0	20.0
			Mean =	17.1	0.0	71.3	42.5	58.0
7 GWN 10293 (50 WDG)	60 g ai/a	B	205	40.0	0.0	90.0	60.0	75.0
MSO	1 % v/v	B	305	50.0	0.0	80.0	75.0	70.0
AMS - Liquid	17 lb ai/100 gal	B	707	60.0	0.0	90.0	65.0	85.0
			805	75.0	0.0	85.0	50.0	60.0
			Mean =	56.3	0.0	86.3	62.5	72.5
8 GWN 10293 (50 WDG)	60 g ai/a	A	207	99.0	0.0	92.0	89.0	99.0
Sencor DF	42.5 g ai/a	A	505	99.0	0.0	85.0	86.0	99.0
NIS	0.25 % v/v	A	607	99.0	0.0	87.0	87.0	99.0
			901	99.0	0.0	90.0	65.0	99.0
			Mean =	99.0	0.0	88.5	81.8	99.0
9 GWN 10293 (50 WDG)	60 g ai/a	A	301	99.0	0.0	97.0	83.0	99.0
Sencor DF	42.5 g ai/a	A	401	99.0	0.0	95.0	77.0	99.0
Dual II Magnum (7.64 EC)	576 g ai/a	A	705	97.0	0.0	97.0	85.0	99.0
NIS	0.25 % v/v	A	807	99.0	0.0	97.0	83.0	99.0
			Mean =	98.5	0.0	96.5	82.0	99.0
10 GWN 10293 (50 WDG)	60 g ai/a	A	303	99.0	0.0	75.0	83.0	99.0
Sencor DF	42.5 g ai/a	A	503	99.0	0.0	97.0	80.0	99.0
Outlook (6.0 EC)	298 g ai/a	A	801	75.0	0.0	99.0	45.0	70.0
NIS	0.25 % v/v	A	1005	99.0	0.0	98.0	88.0	99.0
			Mean =	93.0	0.0	92.3	74.0	91.8
11 GWN 10293 (50 WDG)	60 g ai/a	A	102	99.0	0.0	0.0	83.0	99.0
Sencor DF	42.5 g ai/a	A	304	99.0	0.0	0.0	84.0	99.0
Atrazine	0.5 lb ai/a	A	606	99.0	0.0	85.0	90.0	99.0
NIS	0.25 % v/v	A	1002	99.0	0.0	65.0	83.0	99.0
			Mean =	99.0	0.0	37.5	85.0	99.0
12 GWN 10293 (50 WDG)	60 g ai/a	A	104	90.0	0.0	50.0	83.0	60.0
Atrazine	0.5 lb ai/a	A	502	80.0	0.0	80.0	50.0	50.0
NIS	0.25 % v/v	A	702	99.0	0.0	65.0	87.0	99.0
			904	99.0	0.0	55.0	86.0	99.0
			Mean =	92.0	0.0	62.5	76.5	77.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	SETFA	AMBTR	CHEAL
Pest Scientific Name	Chenopodium al>	Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Common lambsqu>	Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code	ZEAMD	ZEAMD	ZEAMD	ZEAMD
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>
Crop Name	Dent corn	Dent corn	Dent corn	Dent corn
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->
Rating Date	Jun-2-2014	Jun-2-2014	Jun-12-2014	Jun-12-2014
Rating Type	CONTRO	PHYDEF	CONTRO	CONTRO
Rating Unit	%	%	%	%
Sample Size, Unit	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Crop Stage Majority	V4	V4	V6	V6
Pest Stage Majority	0.75		4	3
Pest Density, Unit	1 YD2		6 FT2	2 YD2
Days After First/Last Applic.	27 27	27 27	37 6	37 6
Plant-Eval Interval	28 DP-1	28 DP-1	38 DP-1	38 DP-1
Days After Emergence	21 DE-1	21 DE-1	31 DE-1	31 DE-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	6	7	8	9	10
13	GWN 10293 (50 WDG)	60 g ai/a	ai/a	B	106	0.0	0.0	50.0	50.0	60.0
	Permit (75 WG)	14.2 g ai/a	ai/a	B	406	26.7*	0.0	80.0	75.0	87.0
	COC	1 % v/v	v/v	B	602	75.0	0.0	70.0	60.0	60.0
					902	0.0	0.0	75.0	45.0	60.0
					Mean =	25.4	0.0	68.8	57.5	66.8
14	GWN 10293 (50 WDG)	60 g ai/a	ai/a	B	202	0.0	0.0	60.0	75.0	80.0
	Yukon (67.5 DF)	76.5 g ai/a	ai/a	B	306	0.0	0.0	75.0	85.0	80.0
	COC	1 % v/v	v/v	B	604	0.0	0.0	40.0	75.0	80.0
					906	0.0	0.0	83.0	75.0	85.0
					Mean =	0.0	0.0	64.5	77.5	81.3
15	GWN 10293 (50 WDG)	60 g ai/a	ai/a	A	204	99.0	0.0	80.0	75.0	99.0
	Sencor DF	42.5 g ai/a	ai/a	A	506	99.0	0.0	99.0	84.0	99.0
	Atrazine	0.5 lb ai/a	ai/a	A	706	99.0	0.0	95.0	87.0	99.0
	Dual II Magnum (7.64 EC)	576 g ai/a	ai/a	A	1006	99.0	0.0	99.0	90.0	99.0
	NIS	0.25 % v/v	v/v	A						
					Mean =	99.0	0.0	93.3	84.0	99.0
16	GWN 10293 (50 WDG)	60 g ai/a	ai/a	A	206	99.0	0.0	97.0	92.0	99.0
	Sencor DF	42.5 g ai/a	ai/a	A	404	99.0	0.0	86.0	70.0	99.0
	Atrazine	0.5 lb ai/a	ai/a	A	704	99.0	0.0	95.0	83.0	99.0
	Outlook (6.0 EC)	298 g ai/a	ai/a	A	806	99.0	0.0	99.0	80.0	99.0
	NIS	0.25 % v/v	v/v	A						
					Mean =	99.0	0.0	94.3	81.3	99.0
17	Lumax EZ (3.95 SC)	2.47 lb ai/a	ai/a	A	302	99.0	0.0	92.0	85.0	99.0
	NIS	0.25 % v/v	v/v	A	402	99.0	0.0	93.0	85.0	99.0
					802	99.0	0.0	97.0	85.0	99.0
					804	99.0	0.0	93.0	82.0	99.0
					Mean =	99.0	0.0	93.8	84.3	99.0

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Pest Type					W Weed	W Weed	
Pest Code					AMBTR	SETFA	
Pest Scientific Name					Ambrosia trifi>	Setaria faberi	
Pest Name					Giant ragweed	Giant foxtail	
Crop Code	ZEAMD	ZEAMD	ZEAMD		ZEAMD	ZEAMD	
BBCH Scale	BCOR	BCOR	BCOR		BCOR	BCOR	
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>		Zea mays inden>	Zea mays inden>	
Crop Name	Dent corn	Dent corn	Dent corn		Dent corn	Dent corn	
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->		Dekalb DKC 62->	Dekalb DKC 62->	
Rating Date	Jun-12-2014	Jun-12-2014	Jun-12-2014		Jun-19-2014	Jun-19-2014	
Rating Type	PHYSTU	PHYBLE	PHYLMA		CONTRO	CONTRO	
Rating Unit	%	%	%		%	%	
Sample Size, Unit					1 PLOT	1 PLOT	
Number of Subsamples	1	1	1		1	1	
Crop Stage Majority	V6	V6	V6		V6-V7		
Pest Stage Majority					5-50		
Pest Density, Unit					2 YD2	3 FT2	
Days After First/Last Applic.	37 6	37 6	37 6		44 13	44 13	
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1		45 DP-1	45 DP-1	
Days After Emergence	31 DE-1	31 DE-1	31 DE-1		38 DE-1	38 DE-1	
Trt Treatment	Rate	Appl					
No. Name	Rate Unit	Code Plot	11	12	13	14	15
1 Untreated Check		101	0.0	0.0	0.0	0.0	0.0
		405	0.0	0.0	0.0	0.0	0.0
		703	0.0	0.0	0.0	0.0	0.0
		907	0.0	0.0	0.0	0.0	0.0
		Mean =	0.0	0.0	0.0	0.0	0.0
2 GWN 10293 (50 WDG)	60 g ai/a	A 103	0.0	0.0	5.0	60.0	0.0
NIS	0.25 % v/v	A 307	0.0	0.0	5.0	75.0	20.0
AMS - Liquid	17 lb ai/100 gal	A 603	3.0	0.0	0.0	80.0	0.0
		905	0.0	0.0	0.0	85.0	10.0
		Mean =	0.8	0.0	2.5	75.0	7.5
3 GWN 10293 (50 WDG)	60 g ai/a	A 105	0.0	0.0	0.0	80.0	30.0
COC	1 % v/v	A 501	0.0	0.0	0.0	20.0	50.0
AMS - Liquid	17 lb ai/100 gal	A 701	0.0	0.0	5.0	85.0	40.0
		1007	0.0	0.0	5.0	85.0	20.0
		Mean =	0.0	0.0	2.5	67.5	35.0
4 GWN 10293 (50 WDG)	60 g ai/a	A 107	0.0	0.0	0.0	65.0	0.0
MSO	1 % v/v	A 403	0.0	0.0	5.0	30.0	0.0
AMS - Liquid	17 lb ai/100 gal	A 605	0.0	0.0	0.0	80.0	20.0
		1001	0.0	0.0	0.0	60.0	50.0
		Mean =	0.0	0.0	1.3	58.8	17.5
5 GWN 10293 (50 WDG)	60 g ai/a	B 201	0.0	9.0	0.0	95.0	90.0
NIS	0.25 % v/v	B 507	0.0	0.0	3.0	80.0	70.0
AMS - Liquid	17 lb ai/100 gal	B 803	0.0	7.0	7.0	30.0	0.0
		1003	3.0	5.0	0.0	85.0	0.0
		Mean =	0.8	5.3	2.5	72.5	40.0

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Pest Type					W Weed	W Weed	
Pest Code					AMBTR	SETFA	
Pest Scientific Name					Ambrosia trifi>	Setaria faberi	
Pest Name					Giant ragweed	Giant foxtail	
Crop Code	ZEAMD	ZEAMD	ZEAMD		ZEAMD	ZEAMD	
BBCH Scale	BCOR	BCOR	BCOR		BCOR	BCOR	
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>		Zea mays inden>	Zea mays inden>	
Crop Name	Dent corn	Dent corn	Dent corn		Dent corn	Dent corn	
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->		Dekalb DKC 62->	Dekalb DKC 62->	
Rating Date	Jun-12-2014	Jun-12-2014	Jun-12-2014		Jun-19-2014	Jun-19-2014	
Rating Type	PHYSTU	PHYBLE	PHYLMA		CONTRO	CONTRO	
Rating Unit	%	%	%		%	%	
Sample Size, Unit					1 PLOT	1 PLOT	
Number of Subsamples	1	1	1		1	1	
Crop Stage Majority	V6	V6	V6		V6-V7		
Pest Stage Majority					5-50	2-10	
Pest Density, Unit					2 YD2	3 FT2	
Days After First/Last Applic.	37 6	37 6	37 6		44 13	44 13	
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1		45 DP-1	45 DP-1	
Days After Emergence	31 DE-1	31 DE-1	31 DE-1		38 DE-1	38 DE-1	
Trt Treatment	Rate	Appl					
No. Name	Rate Unit	Code Plot	11	12	13	14	15
6 GWN 10293 (50 WDG)	60 g ai/a	B 203	3.0	20.0	0.0	90.0	70.0
COC	1 % v/v	B 407	0.0	10.0	5.0	95.0	80.0
AMS - Liquid	17 lb ai/100 gal	B 601	0.0	10.0	0.0	85.0	90.0
		903	0.0	17.0	0.0	70.0	60.0
		Mean =	0.8	14.3	1.3	85.0	75.0
7 GWN 10293 (50 WDG)	60 g ai/a	B 205	5.0	30.0	0.0	90.0	98.0
MSO	1 % v/v	B 305	0.0	25.0	0.0	98.0	80.0
AMS - Liquid	17 lb ai/100 gal	B 707	0.0	25.0	0.0	70.0	85.0
		805	0.0	20.0	0.0	75.0	95.0
		Mean =	1.3	25.0	0.0	83.3	89.5
8 GWN 10293 (50 WDG)	60 g ai/a	A 207	0.0	0.0	6.0	80.0	50.0
Sencor DF	42.5 g ai/a	A 505	3.0	0.0	0.0	80.0	60.0
NIS	0.25 % v/v	A 607	0.0	0.0	0.0	80.0	40.0
		901	0.0	0.0	7.0	85.0	80.0
		Mean =	0.8	0.0	3.3	81.3	57.5
9 GWN 10293 (50 WDG)	60 g ai/a	A 301	0.0	0.0	5.0	90.0	90.0
Sencor DF	42.5 g ai/a	A 401	0.0	0.0	5.0	60.0	90.0
Dual II Magnum (7.64 EC)	576 g ai/a	A 705	0.0	0.0	5.0	75.0	90.0
NIS	0.25 % v/v	A 807	0.0	0.0	0.0	95.0	95.0
		Mean =	0.0	0.0	3.8	80.0	91.3
10 GWN 10293 (50 WDG)	60 g ai/a	A 303	0.0	0.0	7.0	80.0	30.0
Sencor DF	42.5 g ai/a	A 503	0.0	0.0	0.0	40.0	90.0
Outlook (6.0 EC)	298 g ai/a	A 801	0.0	0.0	0.0	50.0	50.0
NIS	0.25 % v/v	A 1005	0.0	0.0	0.0	95.0	98.0
		Mean =	0.0	0.0	1.8	66.3	67.0
11 GWN 10293 (50 WDG)	60 g ai/a	A 102	0.0	0.0	0.0	70.0	0.0
Sencor DF	42.5 g ai/a	A 304	0.0	0.0	5.0	60.0	0.0
Atrazine	0.5 lb ai/a	A 606	0.0	0.0	0.0	85.0	0.0
NIS	0.25 % v/v	A 1002	0.0	0.0	0.0	70.0	0.0
		Mean =	0.0	0.0	1.3	71.3	0.0
12 GWN 10293 (50 WDG)	60 g ai/a	A 104	0.0	0.0	0.0	70.0	0.0
Atrazine	0.5 lb ai/a	A 502	0.0	0.0	0.0	40.0	70.0
NIS	0.25 % v/v	A 702	0.0	0.0	5.0	75.0	0.0
		904	0.0	0.0	0.0	50.0	0.0
		Mean =	0.0	0.0	1.3	58.8	17.5

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Pest Type				W Weed	W Weed		
Pest Code				AMBTR	SETFA		
Pest Scientific Name				Ambrosia trifi>	Setaria faberi		
Pest Name				Giant ragweed	Giant foxtail		
Crop Code	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>		
Crop Name	Dent corn	Dent corn	Dent corn	Dent corn	Dent corn		
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->		
Rating Date	Jun-12-2014	Jun-12-2014	Jun-12-2014	Jun-19-2014	Jun-19-2014		
Rating Type	PHYSTU	PHYBLE	PHYLMA	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Sample Size, Unit				1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1	1		
Crop Stage Majority	V6	V6	V6	V6-V7			
Pest Stage Majority				5-50	2-10		
Pest Density, Unit				2 YD2	3 FT2		
Days After First/Last Applic.	37 6	37 6	37 6	44 13	44 13		
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	45 DP-1	45 DP-1		
Days After Emergence	31 DE-1	31 DE-1	31 DE-1	38 DE-1	38 DE-1		
Trt Treatment	Rate	Appl					
No. Name	Rate Unit	Code Plot	11	12	13	14	15
13 GWN 10293 (50 WDG)	60 g ai/a	B 106	7.0	0.0	0.0	70.0	0.0
Permit (75 WG)	14.2 g ai/a	B 406	10.0	0.0	5.0	90.0	0.0
COC	1 % v/v	B 602	10.0	0.0	0.0	75.0	10.0
		902	5.0	0.0	3.0	85.0	80.0
		Mean =	8.0	0.0	2.0	80.0	22.5
14 GWN 10293 (50 WDG)	60 g ai/a	B 202	10.0	0.0	5.0	99.0	50.0
Yukon (67.5 DF)	76.5 g ai/a	B 306	5.0	0.0	5.0	98.0	20.0
COC	1 % v/v	B 604	0.0	0.0	0.0	99.0	0.0
		906	5.0	0.0	3.0	80.0	0.0
		Mean =	5.0	0.0	3.3	94.0	17.5
15 GWN 10293 (50 WDG)	60 g ai/a	A 204	0.0	0.0	3.0	65.0	80.0
Sencor DF	42.5 g ai/a	A 506	3.0	0.0	0.0	90.0	98.0
Atrazine	0.5 lb ai/a	A 706	0.0	0.0	3.0	70.0	95.0
Dual II Magnum (7.64 EC)	576 g ai/a	A 1006	5.0	0.0	0.0	90.0	90.0
NIS	0.25 % v/v	A					
		Mean =	2.0	0.0	1.5	78.8	90.8
16 GWN 10293 (50 WDG)	60 g ai/a	A 206	0.0	0.0	5.0	85.0	90.0
Sencor DF	42.5 g ai/a	A 404	0.0	0.0	0.0	50.0	50.0
Atrazine	0.5 lb ai/a	A 704	0.0	0.0	0.0	60.0	80.0
Outlook (6.0 EC)	298 g ai/a	A 806	3.0	0.0	0.0	80.0	95.0
NIS	0.25 % v/v	A					
		Mean =	0.8	0.0	1.3	68.8	78.8
17 Lumax EZ (3.95 SC)	2.47 lb ai/a	A 302	0.0	0.0	0.0	85.0	99.0
NIS	0.25 % v/v	A 402	0.0	0.0	0.0	85.0	80.0
		802	0.0	0.0	0.0	80.0	98.0
		804	0.0	0.0	5.0	50.0	99.0
		Mean =	0.0	0.0	1.3	75.0	94.0

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Pest Type				W Weed	W Weed		
Pest Code				AMBTR	SETFA		
Pest Scientific Name				Ambrosia trifi>	Setaria faberi		
Pest Name				Giant ragweed	Giant foxtail		
Crop Code	ZEAMD	ZEAMD		ZEAMD	ZEAMD	ZEAMD	
BBCH Scale	BCOR	BCOR		BCOR	BCOR	BCOR	
Crop Scientific Name	Zea mays inden>	Zea mays inden>		Zea mays inden>	Zea mays inden>	Zea mays inden>	
Crop Name	Dent corn	Dent corn		Dent corn	Dent corn	Dent corn	
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->		Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	
Rating Date	Jun-19-2014	Jun-19-2014		Jul-2-2014	Jul-2-2014	Jul-2-2014	
Rating Type	PHYSTU	PHYCHL		CONTRO	CONTRO	PHYSTU	
Rating Unit	%	%		%	%	%	
Sample Size, Unit				1 PLOT	1 PLOT		
Number of Subsamples	1	1		1	1	1	
Crop Stage Majority				V6-V7	V6-V7		
Pest Stage Majority				10-65	5-25		
Pest Density, Unit				2 FT2	3 FT2		
Days After First/Last Applic.	44 13	44 13		57 26	57 26	57 26	
Plant-Eval Interval	45 DP-1	45 DP-1		58 DP-1	58 DP-1	58 DP-1	
Days After Emergence	38 DE-1	38 DE-1		51 DE-1	51 DE-1	51 DE-1	
Trt Treatment	Rate	Appl					
No. Name	Rate Unit	Code Plot	16	17	18	19	20
1 Untreated Check		101	0.0	0.0	0.0	0.0	0.0
		405	0.0	0.0	0.0	0.0	0.0
		703	0.0	0.0	0.0	0.0	0.0
		907	0.0	0.0	0.0	0.0	0.0
		Mean =	0.0	0.0	0.0	0.0	0.0
2 GWN 10293 (50 WDG)	60 g ai/a	A 103	0.0	0.0	0.0	0.0	0.0
NIS	0.25 % v/v	A 307	4.0	0.0	30.0	0.0	6.0
AMS - Liquid	17 lb ai/100 gal	A 603	2.0	0.0	0.0	0.0	0.0
		905	4.0	0.0	17.1*	20.0	0.0
		Mean =	2.5	0.0	11.8	5.0	1.5
3 GWN 10293 (50 WDG)	60 g ai/a	A 105	0.0	0.0	95.0	0.0	0.0
COC	1 % v/v	A 501	7.0	0.0	30.0	0.0	6.0
AMS - Liquid	17 lb ai/100 gal	A 701	3.0	2.0	30.0	0.0	0.0
		1007	4.0	0.0	99.0	0.0	5.0
		Mean =	3.5	0.5	63.5	0.0	2.8
4 GWN 10293 (50 WDG)	60 g ai/a	A 107	2.0	0.0	60.0	0.0	0.0
MSO	1 % v/v	A 403	3.0	0.0	40.0	0.0	5.0
AMS - Liquid	17 lb ai/100 gal	A 605	0.0	0.0	80.0	0.0	0.0
		1001	5.0	0.0	40.0	0.0	6.0
		Mean =	2.5	0.0	55.0	0.0	2.8
5 GWN 10293 (50 WDG)	60 g ai/a	B 201	5.0	6.0	99.0	0.0	5.0
NIS	0.25 % v/v	B 507	4.0	0.0	99.0	20.0	5.0
AMS - Liquid	17 lb ai/100 gal	B 803	7.0	6.0	95.0	0.0	12.0
		1003	8.0	5.0	99.0	0.0	8.0
		Mean =	6.0	4.3	98.0	5.0	7.5

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Pest Type						W Weed	W Weed		
Pest Code						AMBTR	SETFA		
Pest Scientific Name						Ambrosia trifi>	Setaria faberi		
Pest Name						Giant ragweed	Giant foxtail		
Crop Code		ZEAMD		ZEAMD		ZEAMD	ZEAMD		ZEAMD
BBCH Scale		BCOR		BCOR		BCOR	BCOR		BCOR
Crop Scientific Name		Zea mays inden>		Zea mays inden>		Zea mays inden>	Zea mays inden>		Zea mays inden>
Crop Name		Dent corn		Dent corn		Dent corn	Dent corn		Dent corn
Crop Variety		Dekalb DKC 62->		Dekalb DKC 62->		Dekalb DKC 62->	Dekalb DKC 62->		Dekalb DKC 62->
Rating Date		Jun-19-2014		Jun-19-2014		Jul-2-2014	Jul-2-2014		Jul-2-2014
Rating Type		PHYSTU		PHYCHL		CONTRO	CONTRO		PHYSTU
Rating Unit		%		%		%	%		%
Sample Size, Unit						1 PLOT	1 PLOT		
Number of Subsamples		1		1		1	1		1
Crop Stage Majority						V6-V7	V6-V7		
Pest Stage Majority						10-65	5-25		
Pest Density, Unit						2 FT2	3 FT2		
Days After First/Last Applic.		44 13		44 13		57 26	57 26		57 26
Plant-Eval Interval		45 DP-1		45 DP-1		58 DP-1	58 DP-1		58 DP-1
Days After Emergence		38 DE-1		38 DE-1		51 DE-1	51 DE-1		51 DE-1
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code Plot	16	17	18	19	20		
6 GWN 10293 (50 WDG)	60 g ai/a	B 203	6.0	12.0	99.0	0.0	5.0		
COC	1 % v/v	B 407	3.0	8.0	99.0	40.0	0.0		
AMS - Liquid	17 lb ai/100 gal	B 601	6.0	6.0	70.0	60.0	9.0		
		903	8.0	15.0	99.0	0.0	12.0		
		Mean =	5.8	10.3	91.8	25.0	6.5		
7 GWN 10293 (50 WDG)	60 g ai/a	B 205	6.0	15.0	99.0	80.0	0.0		
MSO	1 % v/v	B 305	6.0	15.0	99.0	50.0	9.0		
AMS - Liquid	17 lb ai/100 gal	B 707	8.0	15.0	99.0	80.0	7.0		
		805	7.0	12.0	95.0	95.0	4.0		
		Mean =	6.8	14.3	98.0	76.3	5.0		
8 GWN 10293 (50 WDG)	60 g ai/a	A 207	2.0	0.0	99.0	30.0	0.0		
Sencor DF	42.5 g ai/a	A 505	3.0	0.0	50.0	50.0	0.0		
NIS	0.25 % v/v	A 607	2.0	0.0	50.0	0.0	0.0		
		901	5.0	0.0	50.0	20.0	8.0		
		Mean =	3.0	0.0	62.3	25.0	2.0		
9 GWN 10293 (50 WDG)	60 g ai/a	A 301	0.0	4.0	60.0	50.0	4.0		
Sencor DF	42.5 g ai/a	A 401	4.0	0.0	40.0	80.0	5.0		
Dual II Magnum (7.64 EC)	576 g ai/a	A 705	3.0	0.0	50.0	90.0	0.0		
NIS	0.25 % v/v	A 807	2.0	0.0	50.0	99.0	3.0		
		Mean =	2.3	1.0	50.0	79.8	3.0		
10 GWN 10293 (50 WDG)	60 g ai/a	A 303	0.0	0.0	0.0	40.0	0.0		
Sencor DF	42.5 g ai/a	A 503	0.0	0.0	40.0	70.0	0.0		
Outlook (6.0 EC)	298 g ai/a	A 801	3.0	0.0	0.0	99.0	15.0		
NIS	0.25 % v/v	A 1005	6.0	0.0	80.0	99.0	0.0		
		Mean =	2.3	0.0	30.0	77.0	3.8		
11 GWN 10293 (50 WDG)	60 g ai/a	A 102	0.0	0.0	40.0	0.0	0.0		
Sencor DF	42.5 g ai/a	A 304	3.0	0.0	20.0	0.0	5.0		
Atrazine	0.5 lb ai/a	A 606	4.0	0.0	99.0	0.0	0.0		
NIS	0.25 % v/v	A 1002	5.0	0.0	95.0	0.0	7.0		
		Mean =	3.0	0.0	63.5	0.0	3.0		
12 GWN 10293 (50 WDG)	60 g ai/a	A 104	0.0	0.0	50.0	0.0	0.0		
Atrazine	0.5 lb ai/a	A 502	3.0	0.0	0.0	0.0	0.0		
NIS	0.25 % v/v	A 702	3.0	0.0	11.0*	0.0	0.0		
		904	3.0	0.0	0.0	0.0	6.0		
		Mean =	2.3	0.0	15.2	0.0	1.5		

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				ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD	
				BCOR	BCOR	BCOR	BCOR	BCOR	
				Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>	
				Dent corn	Dent corn	Dent corn	Dent corn	Dent corn	
				Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	
				Jun-19-2014	Jun-19-2014	Jul-2-2014	Jul-2-2014	Jul-2-2014	
				PHYSTU	PHYCHL	CONTRO	CONTRO	PHYSTU	
				%	%	%	%	%	
				1	1	1	1	1	
				V6-V7	V6-V7	V6-V7	V6-V7	V6-V7	
				10-65	10-65	10-65	10-65	10-65	
				2 FT2	2 FT2	2 FT2	2 FT2	2 FT2	
				44 13	44 13	57 26	57 26	57 26	
				45 DP-1	45 DP-1	58 DP-1	58 DP-1	58 DP-1	
				38 DE-1	38 DE-1	51 DE-1	51 DE-1	51 DE-1	
Trt No.	Treatment Name	Rate	Appl Code	Plot	16	17	18	19	20
13	GWN 10293 (50 WDG)	60 g ai/a	B	106	3.0	0.0	50.0	0.0	6.0
	Permit (75 WG)	14.2 g ai/a	B	406	3.0	0.0	60.0	0.0	0.0
	COC	1 % v/v	B	602	6.0	0.0	80.0	0.0	8.0
				902	6.0	0.0	98.0	60.0	8.0
				Mean =	4.5	0.0	72.0	15.0	5.5
14	GWN 10293 (50 WDG)	60 g ai/a	B	202	6.0	0.0	99.0	10.0	4.0
	Yukon (67.5 DF)	76.5 g ai/a	B	306	0.0	0.0	99.0	0.0	0.0
	COC	1 % v/v	B	604	6.0	0.0	99.0	0.0	9.0
				906	6.0	0.0	99.0	0.0	7.0
				Mean =	4.5	0.0	99.0	2.5	5.0
15	GWN 10293 (50 WDG)	60 g ai/a	A	204	0.0	0.0	60.0	88.2*	0.0
	Sencor DF	42.5 g ai/a	A	506	3.0	0.0	20.0	99.0	4.0
	Atrazine	0.5 lb ai/a	A	706	4.0	0.0	70.0	99.0	0.0
	Dual II Magnum (7.64 EC)	576 g ai/a	A	1006	6.0	0.0	75.0	99.0	4.0
	NIS	0.25 % v/v	A						
				Mean =	3.3	0.0	56.3	96.3	2.0
16	GWN 10293 (50 WDG)	60 g ai/a	A	206	2.0	0.0	7.2*	85.0	0.0
	Sencor DF	42.5 g ai/a	A	404	0.0	0.0	0.0	40.0	0.0
	Atrazine	0.5 lb ai/a	A	704	0.0	0.0	0.0	99.0	0.0
	Outlook (6.0 EC)	298 g ai/a	A	806	3.0	0.0	0.0	99.0	0.0
	NIS	0.25 % v/v	A						
				Mean =	1.3	0.0	1.8	80.8	0.0
17	Lumax EZ (3.95 SC)	2.47 lb ai/a	A	302	0.0	0.0	80.0	50.0	0.0
	NIS	0.25 % v/v	A	402	6.0	0.0	70.0	99.0	0.0
				802	3.0	0.0	0.0	90.0	2.0
				804	3.0	0.0	0.0	93.0	3.0
				Mean =	3.0	0.0	37.5	83.0	1.3

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GWN 10293 Weed Control Combinations for Corn

Trial ID: 14S-THP-CTC-02 Protocol ID: 14S-THP-CTC-02
 Location: Throckmorton Study Director:
 Project ID: 10293 Corn Investigator: Dr. Bill Johnson
 Sponsor Contact: Gowan - Alan Helm

Pest Type

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

Pest Code

AMBTR, Ambrosia trifida, = US
 IPOHE, Ipomoea hederacea, = US
 SETFA, Setaria faberi, = US
 CHEAL, Chenopodium album, = US

Crop Code

ZEAMD, BCOR, Zea mays indentata, = US
 ZEAMX, BCOR, Zea mays, = US

Rating Type

CONTRO = control / burndown or knockdown
 PHYGEN = phytotoxicity - general / injury
 PHYDEF = phyto. deformation (cupping, epinasty, leaf wrap, wrinkling)
 PHYSTU = phytotoxicity - stunting
 PHYBLE = phytotoxicity - bleaching
 PHYLMA = phytotoxicity - leaf malformation
 PHYCHL = phytotoxicity - chlorosis

Rating Unit

% = percent

PLOT = total plot

Pest Stage Majority

14 = 4 true leaves, leaf pairs or whorls unfolded

YD2 = per square yard

FT2 = per square foot

Plant-Eval Interval

16 DP-1 = 1 ZEAMD May-5-2014
 28 DP-1 = 1 ZEAMD May-5-2014
 38 DP-1 = 1 ZEAMD May-5-2014
 45 DP-1 = 1 ZEAMD May-5-2014
 58 DP-1 = 1 ZEAMD May-5-2014

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GWN 10293 Weed Control Combinations for Corn

Trial ID: 14S-THP-CTC-02 Protocol ID: 14S-THP-CTC-02
 Location: Throckmorton Study Director:
 Project ID: 10293 Corn Investigator: Dr. Bill Johnson
 Sponsor Contact: Gowan - Alan Helm

Rating Date	W Weed	W Weed	W Weed	W Weed	W Weed
May-21-2014	AMBTR	IPHOE	AMBTR	SETFA	CHEAL
Rating Type	Ambrosia trifi>	Ipomoea heder>	Ambrosia trifi>	Setaria faberi	Chenopodium al>
Rating Unit	Giant ragweed	Ivyleaf mornin>	Giant ragweed	Giant foxtail	Common lambsqu>
Sample Size, Unit	ZEAMD	ZEAMD	ZEAMX	ZEAMD	ZEAMD
Number of Subsamples	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Stage Majority	Zea mays inden>	Zea mays inden>	Zea mays	Zea mays inden>	Zea mays inden>
Pest Stage Majority	Dent corn	Dent corn	Corn	Dent corn	Dent corn
Pest Density, Unit	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->
Days After First/Last Applic.	May-21-2014	May-21-2014	May-21-2014	Jun-2-2014	Jun-2-2014
Plant-Eval Interval	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO
Days After Emergence	%	%	%	%	%
Trt Treatment	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
No. Name	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit
1 Untreated Check	0.0 a	49.5 a	0.0 a	0.0 c	0.0 d
2 GWN 10293 (50 WDG)	60 g ai/a	60 g ai/a	60 g ai/a	60 g ai/a	60 g ai/a
NIS	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v
AMS - Liquid	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal
3 GWN 10293 (50 WDG)	60.0 a	99.0 a	0.0 a	88.0 a	76.3 ab
COC	1 % v/v	1 % v/v	1 % v/v	1 % v/v	1 % v/v
AMS - Liquid	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal
4 GWN 10293 (50 WDG)	43.8 a	99.0 a	0.0 a	85.0 a	64.3 abc
MSO	1 % v/v	1 % v/v	1 % v/v	1 % v/v	1 % v/v
AMS - Liquid	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal
5 GWN 10293 (50 WDG)	23.8 a	99.0 a	0.0 a	5.0 c	25.0 cd
NIS	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v
AMS - Liquid	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal
6 GWN 10293 (50 WDG)	60.0 a	49.5 a	0.0 a	2.5 c	34.3 bcd
COC	1 % v/v	1 % v/v	1 % v/v	1 % v/v	1 % v/v
AMS - Liquid	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal
7 GWN 10293 (50 WDG)	61.3 a	49.5 a	0.0 a	47.5 b	40.0 bcd
MSO	1 % v/v	1 % v/v	1 % v/v	1 % v/v	1 % v/v
AMS - Liquid	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal	17 lb ai/100 gal
8 GWN 10293 (50 WDG)	60.0 a	99.0 a	0.0 a	90.8 a	92.8 a
Sencor DF	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a
NIS	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v
9 GWN 10293 (50 WDG)	60.0 a	99.0 a	0.0 a	85.5 a	97.5 a
Sencor DF	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a
Dual II Magnum (7.64 EC)	576 g ai/a	576 g ai/a	576 g ai/a	576 g ai/a	576 g ai/a
NIS	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v
10 GWN 10293 (50 WDG)	43.8 a	99.0 a	0.0 a	80.0 a	92.8 a
Sencor DF	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a	42.5 g ai/a
Outlook (6.0 EC)	298 g ai/a	298 g ai/a	298 g ai/a	298 g ai/a	298 g ai/a
NIS	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v	0.25 % v/v

Means followed by same letter do not significantly differ (P=0.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	AMBTR	IPOHE		AMBTR	SETFA			
Pest Scientific Name	Ambrosia trifi>	Ipomoea heder>		Ambrosia trifi>	Setaria faberi			
Pest Name	Giant ragweed	Ivyleaf mornin>		Giant ragweed	Giant foxtail			
Crop Code	ZEAMD	ZEAMD	ZEAMX	ZEAMD	ZEAMD			
BBCB Scale	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays Corn	Zea mays inden>	Zea mays inden>			
Crop Name	Dent corn	Dent corn		Dent corn	Dent corn			
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->		Dekalb DKC 62->	Dekalb DKC 62->			
Rating Date	May-21-2014	May-21-2014	May-21-2014	Jun-2-2014	Jun-2-2014			
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%			
Sample Size, Unit	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT			
Number of Subsamples	1	1	1	1	1			
Crop Stage Majority				V4	V4			
Pest Stage Majority				3	1.5			
Pest Density, Unit	10 YD2	1 YD2		5 YD2	5 FT2			
Days After First/Last Applic.	15 15	15 15	15 15	27 27	27 27			
Plant-Eval Interval	16 DP-1	16 DP-1	16 DP-1	28 DP-1	28 DP-1			
Days After Emergence	9 DE-1	9 DE-1	9 DE-1	21 DE-1	21 DE-1			
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	1	2	3	4	5	6
11 GWN 10293 (50 WDG)	60 g ai/a	A	60.0 a	99.0 a	0.0 a	86.8 a	38.8 bcd	99.0 a
Sencor DF	42.5 g ai/a	A						
Atrazine	0.5 lb ai/a	A						
NIS	0.25 % v/v	A						
12 GWN 10293 (50 WDG)	60 g ai/a	A	46.3 a	91.8 a	0.0 a	87.5 a	56.3 abc	92.0 a
Atrazine	0.5 lb ai/a	A						
NIS	0.25 % v/v	A						
13 GWN 10293 (50 WDG)	60 g ai/a	B	30.0 a	74.3 a	0.0 a	12.5 c	20.0 cd	25.4 c
Permit (75 WG)	14.2 g ai/a	B						
COC	1 % v/v	B						
14 GWN 10293 (50 WDG)	60 g ai/a	B	41.3 a	99.3 a	0.0 a	18.8 c	12.5 cd	0.0 c
Yukon (67.5 DF)	76.5 g ai/a	B						
COC	1 % v/v	B						
15 GWN 10293 (50 WDG)	60 g ai/a	A	56.3 a	99.0 a	0.0 a	89.8 a	96.0 a	99.0 a
Sencor DF	42.5 g ai/a	A						
Atrazine	0.5 lb ai/a	A						
Dual II Magnum (7.64 EC)	576 g ai/a	A						
NIS	0.25 % v/v	A						
16 GWN 10293 (50 WDG)	60 g ai/a	A	41.3 a	99.0 a	0.0 a	87.8 a	96.3 a	99.0 a
Sencor DF	42.5 g ai/a	A						
Atrazine	0.5 lb ai/a	A						
Outlook (6.0 EC)	298 g ai/a	A						
NIS	0.25 % v/v	A						
17 Lumax EZ (3.95 SC)	2.47 lb ai/a	A	28.8 a	99.0 a	0.0 a	83.3 a	96.5 a	99.0 a
NIS	0.25 % v/v	A						
LSD (P=.05)			34.61	37.41	0.00	18.13	32.42	22.38
Standard Deviation			24.22	26.18	0.00	12.69	22.69	15.66
CV			53.3	29.61	0.0	20.78	38.64	22.67
Bartlett's X2			8.241	4.88	0.0	54.862	61.648	33.174
P(Bartlett's X2)			0.914	0.30	.	0.001*	0.001*	0.001*
Replicate F			1.609	2.518	0.000	0.634	0.305	0.164
Replicate Prob(F)			0.1997	0.0695	1.0000	0.5966	0.8219	0.9200
Treatment F			1.976	2.227	0.000	33.944	8.723	25.672
Treatment Prob(F)			0.0354	0.0171	1.0000	0.0001	0.0001	0.0001

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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	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD		
B BCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>		
Crop Name	Dent corn	Dent corn	Dent corn	Dent corn	Dent corn	Dent corn		
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->		
Rating Date	Jun-2-2014	Jun-12-2014	Jun-12-2014	Jun-12-2014	Jun-12-2014	Jun-12-2014		
Rating Type	PHYDEF	CONTRO	CONTRO	CONTRO	PHYSTU	PHYBLE		
Rating Unit	%	%	%	%	%	%		
Sample Size, Unit		1 PLOT	1 PLOT	1 PLOT				
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	V4	V6	V6	V6	V6	V6		
Pest Stage Majority		4	14	3				
Pest Density, Unit		6 FT2	8 YD2	2 YD2				
Days After First/Last Applic.	27 27	37 6	37 6	37 6	37 6	37 6		
Plant-Eval Interval	28 DP-1	38 DP-1	38 DP-1	38 DP-1	38 DP-1	38 DP-1		
Days After Emergence	21 DE-1	31 DE-1	31 DE-1	31 DE-1	31 DE-1	31 DE-1		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	7	8	9	10	11	12
1 Untreated Check			0.0 a	0.0 c	0.0 c	0.0 d	0.0 c	0.0 d
2 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	61.3 ab	76.3 a	88.8 ab	0.8 c	0.0 d
NIS	0.25 % v/v	A						
AMS - Liquid	17 lb ai/100 gal	A						
3 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	78.0 ab	81.8 a	79.5 abc	0.0 c	0.0 d
COC	1 % v/v	A						
AMS - Liquid	17 lb ai/100 gal	A						
4 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	69.3 ab	78.5 a	89.5 ab	0.0 c	0.0 d
MSO	1 % v/v	A						
AMS - Liquid	17 lb ai/100 gal	A						
5 GWN 10293 (50 WDG)	60 g ai/a	B	0.0 a	55.3 ab	55.0 ab	51.3 c	0.8 c	5.3 c
NIS	0.25 % v/v	B						
AMS - Liquid	17 lb ai/100 gal	B						
6 GWN 10293 (50 WDG)	60 g ai/a	B	0.0 a	71.3 ab	42.5 b	58.0 bc	0.8 c	14.3 b
COC	1 % v/v	B						
AMS - Liquid	17 lb ai/100 gal	B						
7 GWN 10293 (50 WDG)	60 g ai/a	B	0.0 a	86.3 a	62.5 ab	72.5 abc	1.3 c	25.0 a
MSO	1 % v/v	B						
AMS - Liquid	17 lb ai/100 gal	B						
8 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	88.5 a	81.8 a	99.0 a	0.8 c	0.0 d
Sencor DF	42.5 g ai/a	A						
NIS	0.25 % v/v	A						
9 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	96.5 a	82.0 a	99.0 a	0.0 c	0.0 d
Sencor DF	42.5 g ai/a	A						
Dual II Magnum (7.64 EC)	576 g ai/a	A						
NIS	0.25 % v/v	A						
10 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	92.3 a	74.0 a	91.8 ab	0.0 c	0.0 d
Sencor DF	42.5 g ai/a	A						
Outlook (6.0 EC)	298 g ai/a	A						
NIS	0.25 % v/v	A						

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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	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>
Crop Name	Dent corn	Dent corn	Dent corn	Dent corn	Dent corn
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->
Rating Date	Jun-2-2014	Jun-12-2014	Jun-12-2014	Jun-12-2014	Jun-12-2014
Rating Type	PHYDEF	CONTRO	CONTRO	CONTRO	PHYSTU
Rating Unit	%	%	%	%	%
Sample Size, Unit		1 PLOT	1 PLOT	1 PLOT	
Number of Subsamples	1	1	1	1	1
Crop Stage Majority	V4	V6	V6	V6	V6
Pest Stage Majority		4	14	3	
Pest Density, Unit		6 FT2	8 YD2	2 YD2	
Days After First/Last Applic.	27 27	37 6	37 6	37 6	37 6
Plant-Eval Interval	28 DP-1	38 DP-1	38 DP-1	38 DP-1	38 DP-1
Days After Emergence	21 DE-1	31 DE-1	31 DE-1	31 DE-1	31 DE-1
Trt No.		7	8	9	10
Treatment Name					
Rate					
Rate Unit					
Appl Code					
11 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	37.5 b	85.0 a
Sencor DF	42.5 g ai/a	A			99.0 a
Atrazine	0.5 lb ai/a	A			
NIS	0.25 % v/v	A			
12 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	62.5 ab	76.5 a
Atrazine	0.5 lb ai/a	A			77.0 abc
NIS	0.25 % v/v	A			
13 GWN 10293 (50 WDG)	60 g ai/a	B	0.0 a	68.8 ab	57.5 ab
Permit (75 WG)	14.2 g ai/a	B			66.8 abc
COC	1 % v/v	B			
14 GWN 10293 (50 WDG)	60 g ai/a	B	0.0 a	64.5 ab	77.5 a
Yukon (67.5 DF)	76.5 g ai/a	B			81.3 abc
COC	1 % v/v	B			
15 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	93.3 a	84.0 a
Sencor DF	42.5 g ai/a	A			99.0 a
Atrazine	0.5 lb ai/a	A			
Dual II Magnum (7.64 EC)	576 g ai/a	A			
NIS	0.25 % v/v	A			
16 GWN 10293 (50 WDG)	60 g ai/a	A	0.0 a	94.3 a	81.3 a
Sencor DF	42.5 g ai/a	A			99.0 a
Atrazine	0.5 lb ai/a	A			
Outlook (6.0 EC)	298 g ai/a	A			
NIS	0.25 % v/v	A			
17 Lumax EZ (3.95 SC)	2.47 lb ai/a	A	0.0 a	93.8 a	84.3 a
NIS	0.25 % v/v	A			99.0 a
LSD (P=.05)		0.00	25.26	18.47	22.97
Standard Deviation		0.00	17.68	12.93	16.08
CV		0.0	24.78	18.62	20.24
Bartlett's X2		0.0	52.602	30.857	17.528
P(Bartlett's X2)		.	0.001*	0.009*	0.041*
Replicate F		0.000	0.765	0.035	0.519
Replicate Prob(F)		1.0000	0.5194	0.9911	0.6713
Treatment F		0.000	7.895	11.196	10.079
Treatment Prob(F)		1.0000	0.0001	0.0001	0.0001
					2.39
					1.67
					142.04
					6.893
					0.548
					0.534
					0.6614
					6.612
					57.938
					0.0001
					0.0001

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Pest Type		W Weed	W Weed		W Weed			
Pest Code		AMBTR	SETFA		AMBTR			
Pest Scientific Name		Ambrosia trifi>	Setaria faberi		Ambrosia trifi>			
Pest Name		Giant ragweed	Giant foxtail		Giant ragweed			
Crop Code	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD			
BBCB Scale	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>			
Crop Name	Dent corn	Dent corn	Dent corn	Dent corn	Dent corn			
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->			
Rating Date	Jun-12-2014	Jun-19-2014	Jun-19-2014	Jun-19-2014	Jun-19-2014	Jul-2-2014		
Rating Type	PHYLMA	CONTRO	CONTRO	PHYSTU	PHYCHL	CONTRO		
Rating Unit	%	%	%	%	%	%		
Sample Size, Unit		1 PLOT	1 PLOT			1 PLOT		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	V6	V6-V7				V6-V7		
Pest Stage Majority		5-50	2-10			10-65		
Pest Density, Unit		2 YD2	3 FT2			2 FT2		
Days After First/Last Applic.	37 6	44 13	44 13	44 13	44 13	57 26		
Plant-Eval Interval	38 DP-1	45 DP-1	45 DP-1	45 DP-1	45 DP-1	58 DP-1		
Days After Emergence	31 DE-1	38 DE-1	38 DE-1	38 DE-1	38 DE-1	51 DE-1		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	13	14	15	16	17	18
1 Untreated Check			0.0 a	0.0 b	0.0 e	0.0 d	0.0 d	0.0 f
2 GWN 10293 (50 WDG)	60 g ai/a	A	2.5 a	75.0 a	7.5 de	2.5 bcd	0.0 d	11.8 def
NIS	0.25 % v/v	A						
AMS - Liquid	17 lb ai/100 gal	A						
3 GWN 10293 (50 WDG)	60 g ai/a	A	2.5 a	67.5 a	35.0 b-e	3.5 a-d	0.5 d	63.5 a-d
COC	1 % v/v	A						
AMS - Liquid	17 lb ai/100 gal	A						
4 GWN 10293 (50 WDG)	60 g ai/a	A	1.3 a	58.8 a	17.5 cde	2.5 bcd	0.0 d	55.0 a-e
MSO	1 % v/v	A						
AMS - Liquid	17 lb ai/100 gal	A						
5 GWN 10293 (50 WDG)	60 g ai/a	B	2.5 a	72.5 a	40.0 b-e	6.0 ab	4.3 c	98.0 a
NIS	0.25 % v/v	B						
AMS - Liquid	17 lb ai/100 gal	B						
6 GWN 10293 (50 WDG)	60 g ai/a	B	1.3 a	85.0 a	75.0 ab	5.8 ab	10.3 b	91.8 ab
COC	1 % v/v	B						
AMS - Liquid	17 lb ai/100 gal	B						
7 GWN 10293 (50 WDG)	60 g ai/a	B	0.0 a	83.3 a	89.5 a	6.8 a	14.3 a	98.0 a
MSO	1 % v/v	B						
AMS - Liquid	17 lb ai/100 gal	B						
8 GWN 10293 (50 WDG)	60 g ai/a	A	3.3 a	81.3 a	57.5 a-d	3.0 a-d	0.0 d	62.3 a-d
Sencor DF	42.5 g ai/a	A						
NIS	0.25 % v/v	A						
9 GWN 10293 (50 WDG)	60 g ai/a	A	3.8 a	80.0 a	91.3 a	2.3 bcd	1.0 d	50.0 a-f
Sencor DF	42.5 g ai/a	A						
Dual II Magnum (7.64 EC)	576 g ai/a	A						
NIS	0.25 % v/v	A						
10 GWN 10293 (50 WDG)	60 g ai/a	A	1.8 a	66.3 a	67.0 abc	2.3 bcd	0.0 d	30.0 c-f
Sencor DF	42.5 g ai/a	A						
Outlook (6.0 EC)	298 g ai/a	A						
NIS	0.25 % v/v	A						

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Pest Type		W Weed	W Weed		W Weed				
Pest Code		AMBTR	SETFA		AMBTR				
Pest Scientific Name		Ambrosia trifi>	Setaria faberi		Ambrosia trifi>				
Pest Name		Giant ragweed	Giant foxtail		Giant ragweed				
Crop Code	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD				
BCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR				
Crop Scientific Name	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>	Zea mays inden>				
Crop Name	Dent corn	Dent corn	Dent corn	Dent corn	Dent corn				
Crop Variety	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->	Dekalb DKC 62->				
Rating Date	Jun-12-2014	Jun-19-2014	Jun-19-2014	Jun-19-2014	Jun-19-2014				
Rating Type	PHYLMA	CONTRO	CONTRO	PHYSTU	PHYCHL				
Rating Unit	%	%	%	%	%				
Sample Size, Unit		1 PLOT	1 PLOT		1 PLOT				
Number of Subsamples	1	1	1	1	1				
Crop Stage Majority	V6	V6-V7			V6-V7				
Pest Stage Majority		5-50	2-10		10-65				
Pest Density, Unit		2 YD2	3 FT2		2 FT2				
Days After First/Last Applic.	37 6	44 13	44 13	44 13	44 13				
Plant-Eval Interval	38 DP-1	45 DP-1	45 DP-1	45 DP-1	45 DP-1				
Days After Emergence	31 DE-1	38 DE-1	38 DE-1	38 DE-1	38 DE-1				
Trt No.	Treatment Name	Rate	Appl Code	13	14	15	16	17	18
11	GWN 10293 (50 WDG)	60 g ai/a	A	1.3 a	71.3 a	0.0 e	3.0 a-d	0.0 d	63.5 a-d
	Sencor DF	42.5 g ai/a	A						
	Atrazine	0.5 lb ai/a	A						
	NIS	0.25 % v/v	A						
12	GWN 10293 (50 WDG)	60 g ai/a	A	1.3 a	58.8 a	17.5 cde	2.3 bcd	0.0 d	15.2 c-f
	Atrazine	0.5 lb ai/a	A						
	NIS	0.25 % v/v	A						
13	GWN 10293 (50 WDG)	60 g ai/a	B	2.0 a	80.0 a	22.5 cde	4.5 abc	0.0 d	72.0 abc
	Permit (75 WG)	14.2 g ai/a	B						
	COC	1 % v/v	B						
14	GWN 10293 (50 WDG)	60 g ai/a	B	3.3 a	94.0 a	17.5 cde	4.5 abc	0.0 d	99.0 a
	Yukon (67.5 DF)	76.5 g ai/a	B						
	COC	1 % v/v	B						
15	GWN 10293 (50 WDG)	60 g ai/a	A	1.5 a	78.8 a	90.8 a	3.3 a-d	0.0 d	56.3 a-e
	Sencor DF	42.5 g ai/a	A						
	Atrazine	0.5 lb ai/a	A						
	Dual II Magnum (7.64 EC)	576 g ai/a	A						
	NIS	0.25 % v/v	A						
16	GWN 10293 (50 WDG)	60 g ai/a	A	1.3 a	68.8 a	78.8 ab	1.3 cd	0.0 d	1.8 ef
	Sencor DF	42.5 g ai/a	A						
	Atrazine	0.5 lb ai/a	A						
	Outlook (6.0 EC)	298 g ai/a	A						
	NIS	0.25 % v/v	A						
17	Lumax EZ (3.95 SC)	2.47 lb ai/a	A	1.3 a	75.0 a	94.0 a	3.0 a-d	0.0 d	37.5 b-f
	NIS	0.25 % v/v	A						
LSD (P=.05)				3.73	23.98	32.06	2.46	1.95	34.77
Standard Deviation				2.61	16.78	22.43	1.72	1.36	24.33
CV				145.55	23.85	47.59	51.93	76.61	45.67
Bartlett's X2				2.691	21.013	33.147	6.871	6.244	34.514
P(Bartlett's X2)				1.00	0.136	0.003*	0.961	0.182	0.001*
Replicate F				0.497	1.347	0.759	8.186	1.084	1.122
Replicate Prob(F)				0.6858	0.2704	0.5227	0.0002	0.3648	0.3503
Treatment F				0.656	5.870	9.724	4.070	36.806	7.468
Treatment Prob(F)				0.8203	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Type			W Weed	
Pest Code			SETFA	
Pest Scientific Name			Setaria faberi	
Pest Name			Giant foxtail	
Crop Code			ZEAMD	ZEAMD
BBCB Scale			BCOR	BCOR
Crop Scientific Name			Zea mays inden>	Zea mays inden>
Crop Name			Dent corn	Dent corn
Crop Variety			Dekalb DKC 62->	Dekalb DKC 62->
Rating Date			Jul-2-2014	Jul-2-2014
Rating Type			CONTRO	PHYSTU
Rating Unit			%	%
Sample Size, Unit			1 PLOT	
Number of Subsamples			1	1
Crop Stage Majority			V6-V7	
Pest Stage Majority			5-25	
Pest Density, Unit			3 FT2	
Days After First/Last Applic.			57 26	57 26
Plant-Eval Interval			58 DP-1	58 DP-1
Days After Emergence			51 DE-1	51 DE-1
Trt No.	Treatment Name	Rate	Appl Code	
		Rate Unit		
1	Untreated Check			19 20
				0.0 b 0.0 a
2	GWN 10293 (50 WDG)	60 g ai/a	A	
	NIS	0.25 % v/v	A	
	AMS - Liquid	17 lb ai/100 gal	A	
				5.0 b 1.5 a
3	GWN 10293 (50 WDG)	60 g ai/a	A	
	COC	1 % v/v	A	
	AMS - Liquid	17 lb ai/100 gal	A	
				0.0 b 2.8 a
4	GWN 10293 (50 WDG)	60 g ai/a	A	
	MSO	1 % v/v	A	
	AMS - Liquid	17 lb ai/100 gal	A	
				0.0 b 2.8 a
5	GWN 10293 (50 WDG)	60 g ai/a	B	
	NIS	0.25 % v/v	B	
	AMS - Liquid	17 lb ai/100 gal	B	
				5.0 b 7.5 a
6	GWN 10293 (50 WDG)	60 g ai/a	B	
	COC	1 % v/v	B	
	AMS - Liquid	17 lb ai/100 gal	B	
				25.0 b 6.5 a
7	GWN 10293 (50 WDG)	60 g ai/a	B	
	MSO	1 % v/v	B	
	AMS - Liquid	17 lb ai/100 gal	B	
				76.3 a 5.0 a
8	GWN 10293 (50 WDG)	60 g ai/a	A	
	Sencor DF	42.5 g ai/a	A	
	NIS	0.25 % v/v	A	
				25.0 b 2.0 a
9	GWN 10293 (50 WDG)	60 g ai/a	A	
	Sencor DF	42.5 g ai/a	A	
	Dual II Magnum (7.64 EC)	576 g ai/a	A	
	NIS	0.25 % v/v	A	
				79.8 a 3.0 a
10	GWN 10293 (50 WDG)	60 g ai/a	A	
	Sencor DF	42.5 g ai/a	A	
	Outlook (6.0 EC)	298 g ai/a	A	
	NIS	0.25 % v/v	A	
				77.0 a 3.8 a

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Pest Type			W Weed		
Pest Code			SETFA		
Pest Scientific Name			Setaria faberi		
Pest Name			Giant foxtail		
Crop Code			ZEAMD	ZEAMD	
BBCH Scale			BCOR	BCOR	
Crop Scientific Name			Zea mays inden>	Zea mays inden>	
Crop Name			Dent corn	Dent corn	
Crop Variety			Dekalb DKC 62->	Dekalb DKC 62->	
Rating Date			Jul-2-2014	Jul-2-2014	
Rating Type			CONTRO	PHYSTU	
Rating Unit			%	%	
Sample Size, Unit			1 PLOT		
Number of Subsamples			1	1	
Crop Stage Majority			V6-V7		
Pest Stage Majority			5-25		
Pest Density, Unit			3 FT2		
Days After First/Last Applic.			57 26	57 26	
Plant-Eval Interval			58 DP-1	58 DP-1	
Days After Emergence			51 DE-1	51 DE-1	
Trt No.	Treatment Name	Rate	Appl Code	19	20
		Rate Unit			
11	GWN 10293 (50 WDG)	60 g ai/a	A	0.0 b	3.0 a
	Sencor DF	42.5 g ai/a	A		
	Atrazine	0.5 lb ai/a	A		
	NIS	0.25 % v/v	A		
12	GWN 10293 (50 WDG)	60 g ai/a	A	0.0 b	1.5 a
	Atrazine	0.5 lb ai/a	A		
	NIS	0.25 % v/v	A		
13	GWN 10293 (50 WDG)	60 g ai/a	B	15.0 b	5.5 a
	Permit (75 WG)	14.2 g ai/a	B		
	COC	1 % v/v	B		
14	GWN 10293 (50 WDG)	60 g ai/a	B	2.5 b	5.0 a
	Yukon (67.5 DF)	76.5 g ai/a	B		
	COC	1 % v/v	B		
15	GWN 10293 (50 WDG)	60 g ai/a	A	96.3 a	2.0 a
	Sencor DF	42.5 g ai/a	A		
	Atrazine	0.5 lb ai/a	A		
	Dual II Magnum (7.64 EC)	576 g ai/a	A		
	NIS	0.25 % v/v	A		
16	GWN 10293 (50 WDG)	60 g ai/a	A	80.8 a	0.0 a
	Sencor DF	42.5 g ai/a	A		
	Atrazine	0.5 lb ai/a	A		
	Outlook (6.0 EC)	298 g ai/a	A		
	NIS	0.25 % v/v	A		
17	Lumax EZ (3.95 SC)	2.47 lb ai/a	A	83.0 a	1.3 a
	NIS	0.25 % v/v	A		
LSD (P=.05)				24.75	4.85
Standard Deviation				17.32	3.39
CV				51.59	108.76
Bartlett's X2				12.303	10.825
P(Bartlett's X2)				0.265	0.70
Replicate F				2.249	3.019
Replicate Prob(F)				0.0949	0.0388
Treatment F				19.318	1.626
Treatment Prob(F)				0.0001	0.0981

Purdue University

GWN 10293 Weed Control Combinations for Corn

Trial ID: 14S-THP-CTC-02 Protocol ID: 14S-THP-CTC-02
 Location: Throckmorton Study Director:
 Project ID: 10293 Corn Investigator: Dr. Bill Johnson
 Sponsor Contact: Gowan - Alan Helm

Pest Type

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

Pest Code

AMBTR, Ambrosia trifida, = US
 IPOHE, Ipomoea hederacea, = US
 SETFA, Setaria faberi, = US
 CHEAL, Chenopodium album, = US

Crop Code

ZEAMD, BCOR, Zea mays indentata, = US
 ZEAMX, BCOR, Zea mays, = US

Rating Type

CONTRO = control / burndown or knockdown
 PHYGEN = phytotoxicity - general / injury
 PHYDEF = phyto. deformation (cupping, epinasty, leaf wrap, wrinkling)
 PHYSTU = phytotoxicity - stunting
 PHYBLE = phytotoxicity - bleaching
 PHYLMA = phytotoxicity - leaf malformation
 PHYCHL = phytotoxicity - chlorosis

Rating Unit

% = percent

PLOT = total plot

Pest Stage Majority

14 = 4 true leaves, leaf pairs or whorls unfolded

YD2 = per square yard

FT2 = per square foot

Plant-Eval Interval

16 DP-1 = 1 ZEAMD May-5-2014
 28 DP-1 = 1 ZEAMD May-5-2014
 38 DP-1 = 1 ZEAMD May-5-2014
 45 DP-1 = 1 ZEAMD May-5-2014
 58 DP-1 = 1 ZEAMD May-5-2014