

# Purdue University

PRE herbicide efficacy in corn with Roundup or Ignite POST treatments

Trial ID: 08S-THP-CTC-20      Protocol ID: 08S-THP-CTC-20  
 Location: Throckmorton      Study Director: Melissa Kruger  
 Project ID:                      Investigator: Dr. Bill Johnson  
    Sponsor Contact:

## General Trial Information

**Study Director:** Melissa Kruger      **Title:** Lab Technician VIII  
**Investigator:** Dr. William G. Johnson      **Title:** Associate Professor

**Discipline:** H herbicide  
**Trial Status:** E established  
**Initiation Date:** 4/22/2008      **Planned Completion Date:** 10/28/2008

## Trial Location

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

## Objectives:

The objective of the trial is to evaluate the effectiveness of PRE treatments followed by Roundup or Ignite on grass in corn.

## Personnel

**Study Director:** Melissa Kruger      **Title:** Lab Technician VIII  
**Affiliation:** Purdue University  
**Address:** 915 W. State St.  
**Location:** West Lafayette, IN USA  
**Postal Code:** 47907      **E-mail:** mmkruger@purdue.edu  
**Phone No.:** 765-494-4621

**Investigator:** Dr. William G. Johnson      **Title:** Associate Professor  
**Affiliation:** Purdue University  
**Address:** 915 W. State St.  
**Location:** West Lafayette, IN USA  
**Postal Code:** 47907      **E-mail:** wjg@purdue.edu  
**Phone No.:** 765-494-4656

## 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  
**Postal Code:** 47909      **E-mail:** jayyoung@purdue.edu  
**Country:** US  
**Phone No.:** 765-538-3422  
**Fax No.:** 765-538-3423

## Crop Description

**Crop 1:** ZEAMX      Zea mays      Corn  
**Variety:** Pioneer 34A20      **Description:** JD7200; RR/LL  
**BBCH Scale:** BCOR      **Planting Date:** 4/22/2008  
**Planting Method:** DIRDR1 direct drilled      **Rate, Unit:** 32000      S/A  
**Depth, Unit:** 2      IN  
**Row Spacing, Unit:** 30      IN  
**Soil Temperature, Unit:** 18      C  
**Soil Moisture:** MOIST      **Emergence Date:** 5/5/2008  
**Harvest Date:** 10/28/2008      **Harvest Equipment:** Gleaner F Combine  
**Harvested Width, Unit:** 5      FT      **Harvested Length, Unit:** 25      FT  
**% Standard Moisture:** 15.5      **Moisture Meter:** Harvest Master  
**Weighing Equipment:** Carter Manufacturing

## 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:** ABUTH Abutilon theophrasti  
**Common Name:** Velvetleaf

**Pest 4 Type:** W **Code:** CHEAL Chenopodium album  
**Common Name:** Common lambsquarters

**Pest 5 Type:** W **Code:** STEME Stellaria media  
**Common Name:** Common chickweed

**Pest 6 Type:** W **Code:** LAMAM Lamium amplexicaule  
**Common Name:** Henbit

**Pest 7 Type:** W **Code:** CAPBP Capsella bursa-pastoris  
**Common Name:** Shepherd's purse

**Pest 8 Type:** W **Code:** RAPRA Raphanus raphanistrum  
**Common Name:** Wild radish

**Site and Design**

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

**Maintenance**

No.	Date	Maintenance Treatment Name	Rate	Rate Unit
1.	4/22/2008	UAN 28%	50	GAL/A

**Field Prep./Maintenance:**

□ 150 gal/acre of UAN 28% applied on 4/ 22/08 which was then incorporated in. Field was chisel plowed in fall. Field was disked once and then field cultivated on 4/22/08.

**Soil Description**

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

**Analyzed By:**

□ A&L Great Lakes Laboratories, Inc. Report #: F 04048-0006

**Additional Measured Elements**

Element	Quantity	Unit
P	53	ppm
K	208	ppm
Mg	325	ppm
Ca	1100	ppm

**Moisture and Weather Conditions**

**Closest Weather Station:** On research location **Distance, Unit:** 0.5 MI

**Comment:**

Rainfall:  
4/23-4/30: 0.24 in  
5/1-5/7: 0.14 in  
5/8-5/14: 1 in

**Application Description**

	A	B	C
<b>Application Date:</b>	4/22/2008	6/10/2008	6/17/2008
<b>Time of Day:</b>	3:55 pm	8:00 PM	8:35 AM
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	EPO	LPO

<b>Application Placement:</b>	BROSOI	BROFOL	BROFOL
<b>Applied By:</b>	VMD PM	VMD MK	AR MK
<b>Air Temperature, Unit:</b>	80 F	78 F	66 F
<b>% Relative Humidity:</b>	59	67	90
<b>Wind Velocity, Unit:</b>	1.3 MPH	1.5 MPH	3 MPH
<b>Wind Direction:</b>	SW	W	W
<b>Dew Presence (Y/N):</b>	N no	N no	Y yes
<b>Soil Temperature, Unit:</b>	18 C	77 F	58 F
<b>Soil Moisture:</b>	DRY	MOIST	MOIST
<b>% Cloud Cover:</b>	80	0	0

**Crop Stage At Each Application**

	<b>A</b>	<b>B</b>	<b>C</b>
<b>Crop 1 Code, BBCH Scale:</b>	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
<b>Stage Scale Used:</b>	N/A	BBCH	BBCH
<b>Stage Majority, Percent:</b>	N/A	V5	V7
<b>Stage Minimum, Percent:</b>	N/A	V5	
<b>Stage Maximum, Percent:</b>	N/A	V6	
<b>Height, Unit:</b>		15 IN	21 IN
<b>Height Minimum, Maximum:</b>		12 18	18 24

**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>	N/A	2 LF	
<b>Stage Minimum, Percent:</b>		1 LF	
<b>Stage Maximum, Percent:</b>		3 LF	
<b>Height, Unit:</b>		7 IN	30 IN
<b>Height Minimum, Maximum:</b>		2 12	24 36
<b>Density, Unit:</b>		125 FT2	375 YD2
<b>Pest 2 Code, Type, Scale:</b>	AMBTR W	AMBTR W	AMBTR W
<b>Stage Majority, Percent:</b>	N/A	2 NODE	
<b>Stage Minimum, Percent:</b>		2 NODE	
<b>Stage Maximum, Percent:</b>		3 NODE	
<b>Height, Unit:</b>		8 IN	30 IN
<b>Height Minimum, Maximum:</b>		6 10	24 36
<b>Density, Unit:</b>		1 YD2	1 YD2
<b>Pest 3 Code, Type, Scale:</b>	ABUTH W	ABUTH W	ABUTH W
<b>Stage Majority, Percent:</b>	N/A	4 NODE	
<b>Stage Minimum, Percent:</b>		4 NODE	
<b>Stage Maximum, Percent:</b>		5 NODE	
<b>Height, Unit:</b>		6 IN	17 IN
<b>Height Minimum, Maximum:</b>		4 8	4 30
<b>Density, Unit:</b>		1 YD2	3 YD2
<b>Pest 4 Code, Type, Scale:</b>	CHEAL W	CHEAL W	CHEAL W
<b>Stage Majority, Percent:</b>	N/A	10 LF	
<b>Height, Unit:</b>		5 IN	16 IN
<b>Height Minimum, Maximum:</b>		3 8	3 30
<b>Density, Unit:</b>		3 YD2	7 YD2
<b>Pest 5 Code, Type, Scale:</b>	STEME W	STEME W	STEME W
<b>Stage Majority, Percent:</b>	N/A		N/A
<b>Height, Unit:</b>		1.5 IN	
<b>Height Minimum, Maximum:</b>		0 3	
<b>Density, Unit:</b>		1 YD2	
<b>Pest 6 Code, Type, Scale:</b>	LAMAM W	LAMAM W	LAMAM W
<b>Stage Majority, Percent:</b>	N/A		N/A
<b>Height, Unit:</b>		1.5 IN	
<b>Height Minimum, Maximum:</b>		0 3	

Density, Unit:		1 YD2	
Pest 7 Code, Type, Scale:	CAPBP W	CAPBP W	CAPBP W
Stage Majority, Percent:	N/A	ROSETT	N/A
Height, Unit:		1 IN	
Height Minimum, Maximum:		0 2	
Density, Unit:		1 YD2	
Pest 8 Code, Type, Scale:	RAPRA W	RAPRA W	RAPRA W
Stage Majority, Percent:	N/A		N/A
Height, Unit:		5 IN	
Height Minimum, Maximum:		3 8	
Density, Unit:		1 YD2	

#### Application Equipment

	A	B	C
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	17 PSI	17 PSI	17 PSI
Nozzle Type:	Flat Fan	Flat Fan	Flat Fan
Nozzle Size:	XR11002	XR11002	XR11002
Nozzle Spacing, Unit:	15 IN	15 IN	15 IN
Nozzles/Row:	8	8	8
Boom Length, Unit:	10 FT	10 FT	10 FT
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	H2O	H2O	H2O
Water Hardness (ppm CaCO3):	150	150	150
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC	15 GAL/AC
Mix Size, Unit:	1.8 Liters	1.8 Liters	1.8 Liters
Propellant:	CO2	CO2	CO2
Tank Mix (Y/N):	N no	N no	N no

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Trial ID: 08S-THP-CTC-20      Protocol ID: 08S-THP-CTC-20  
 Location: Throckmorton      Study Director: Melissa Kruger  
 Project ID:                      Investigator: Dr. Bill Johnson  
    Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	SETFA	AMBTR	ABUTH	CHEAL	STEME	SETFA			
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Abutilon theop>	Chenopodium al>	Stellaria media	Setaria faberi			
Pest Name	Giant foxtail	Giant ragweed	Velvetleaf	Common lambsqu>	Common chickwe>	Giant foxtail			
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX			
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays			
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn			
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20			
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL			
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	COUPLA			
Rating Unit	%	%	%	%	%	PLANT			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority	V6	V6	V6	V6	V6	V6			
Crop Stage Minimum/Maximum	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"			
Pest Stage Majority	1-3 LF	2-3 NODE	4-5 NODE	10 LF					
Pest Stage Minimum/Maximum	2-12"	6-10"	4-8"	3-8"	0-3"				
Pest Density, Unit	125 YD2	1 YD2	1 YD2	3 YD2	1 YD2				
Footnote Number						1			
Assessed By	CG AR	CG AR	CG AR	CG AR	CG AR	VD VM AR CB			
Days After First/Last Applic.	50 1	50 1	50 1	50 1	50 1	50 1			
Plant-Eval Interval	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1			
Days After Emergence	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-			
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment Name	Rate	Appl	1	2	3	4	5	6
		Rate Unit	Code						
1	Untreated			0.0 b	0.0 b	0.0 d	0.0 b	0.0 b	106.0 a
2	BICEP II MAGNUM	1.65 lb ai/a	A	98.3 a	98.5 a	91.0 bc	100.0 a	100.0 a	0.5 b
	ROUNDUP POWERMAX	0.75 lb ae/a	C						
	Ammonium Sulfate	2 % v/v	C						
3	LEXAR	1.85 lb ai/a	A	99.5 a	97.0 a	100.0 a	100.0 a	100.0 a	1.8 b
	ROUNDUP POWERMAX	0.75 lb ae/a	C						
	Ammonium Sulfate	2 % v/v	C						
4	BICEP II MAGNUM	1.65 lb ai/a	A	98.8 a	91.7 a	87.0 c	96.3 a	100.0 a	1.8 b
	IGNITE	0.4 lb ai/a	C						
	ATRAZINE	0.5 lb ai/a	C						
	Ammonium Sulfate	2 % v/v	C						
5	LEXAR	1.85 lb ai/a	A	97.8 a	99.0 a	100.0 a	100.0 a	100.0 a	0.8 b
	IGNITE	0.4 lb ai/a	C						
	ATRAZINE	0.5 lb ai/a	C						
	Ammonium Sulfate	2 % v/v	C						
6	BICEP II MAGNUM	1.65 lb ai/a	A	99.3 a	87.5 a	85.8 c	100.0 a	100.0 a	0.8 b
	LAUDIS	0.082 lb ai/a	C						
	ATRAZINE	0.5 lb ai/a	C						
	Destiny HC (MSO/NIS Blend)	0.5 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
7	LEXAR	1.85 lb ai/a	A	99.5 a	97.5 a	99.5 a	100.0 a	100.0 a	0.0 b
	LAUDIS	0.082 lb ai/a	C						
	ATRAZINE	0.5 lb ai/a	C						
	Destiny HC (MSO/NIS Blend)	0.5 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						

Pest Type	W Weed							
Pest Code	AMBTR	STEME	ABUTH	CHEAL	CAPBP	TAROF		
Pest Scientific Name	Ambrosia trifi>	Stellaria media	Abutilon theop>	Chenopodium al>	Capsella bursa>	Taraxacum offi>		
Pest Name	Giant ragweed	Common chickwe>	Velvetleaf	Common lambsqu>	Shepherd's pur>	Common dandel>		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays							
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn		
Crop Variety	Pioneer 34A20							
Description	JD 7200; RR/LL							
Part Rated	PLOT P							
Rating Date	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008		
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA		
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	V6	V6	V6	V6	V6	V6		
Crop Stage Minimum/Maximum	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"		
Pest Stage Majority								
Pest Stage Minimum/Maximum								
Pest Density, Unit								
Footnote Number	1	1	1	1	1	1		
Assessed By	VD VM AR CB							
Days After First/Last Applic.	50 1	50 1	50 1	50 1	50 1	50 1		
Plant-Eval Interval	50 DP-1							
Days After Emergence	37 DE-							
ARM Action Codes								
Number of Decimals								
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	7	8	9	10	11	12
1 Untreated			0.3 a	7.3 a	2.5 a	9.3 a	6.0 a	1.5 a
2 BICEP II MAGNUM	1.65 lb ai/a	A	0.0 a	1.8 b	1.0 a	0.0 b	0.0 b	0.3 a
ROUNDUP POWERMAX	0.75 lb ae/a	C						
Ammonium Sulfate	2 % v/v	C						
3 LEXAR	1.85 lb ai/a	A	0.5 a	0.0 b	0.0 a	0.0 b	0.0 b	0.0 a
ROUNDUP POWERMAX	0.75 lb ae/a	C						
Ammonium Sulfate	2 % v/v	C						
4 BICEP II MAGNUM	1.65 lb ai/a	A	1.3 a	0.0 b	3.5 a	0.0 b	0.0 b	0.3 a
IGNITE	0.4 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Ammonium Sulfate	2 % v/v	C						
5 LEXAR	1.85 lb ai/a	A	0.0 a	0.0 b	0.0 a	0.0 b	0.0 b	0.0 a
IGNITE	0.4 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Ammonium Sulfate	2 % v/v	C						
6 BICEP II MAGNUM	1.65 lb ai/a	A	0.5 a	0.0 b	1.3 a	0.0 b	0.0 b	0.0 a
LAUDIS	0.082 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Destiny HC (MSO/NIS Blend)	0.5 % v/v	C						
Ammonium Sulfate	2 % v/v	C						
7 LEXAR	1.85 lb ai/a	A	0.0 a	0.0 b	0.0 a	0.0 b	0.0 b	0.0 a
LAUDIS	0.082 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Destiny HC (MSO/NIS Blend)	0.5 % v/v	C						
Ammonium Sulfate	2 % v/v	C						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SOLPT	AMARE	IPOSS	SIDSP	LAMAM	ECHCG
Pest Scientific Name	Solanum ptycan>	Amaranthus ret>	Ipomoea sp.	Sida spinosa	Lamium amplexi>	Echinochloa cr>
Pest Name	Eastern black >	Redroot pigweed	Morning glory	Prickly sida	Henbit	Common barnyar>
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT
Number of Subsamples	1	1	1	1	1	1
Crop Stage Majority	V6	V6	V6	V6	V6	V6
Crop Stage Minimum/Maximum	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"
Pest Stage Majority						
Pest Stage Minimum/Maximum						
Pest Density, Unit						
Footnote Number	1	1	1	1	1	1
Assessed By	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB
Days After First/Last Applic.	50 1	50 1	50 1	50 1	50 1	50 1
Plant-Eval Interval	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1
Days After Emergence	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-
ARM Action Codes						
Number of Decimals						
Trt	Treatment	Rate	Appl			
No.	Name	Rate	Unit	Code	13	14
1	Untreated				2.3 a	0.5 a
2	BICEP II MAGNUM	1.65 lb ai/a	A		0.0 b	0.0 b
	ROUNDUP POWERMAX	0.75 lb ae/a	C			0.3 a
	Ammonium Sulfate	2 % v/v	C			0.0 a
3	LEXAR	1.85 lb ai/a	A		0.0 b	0.0 b
	ROUNDUP POWERMAX	0.75 lb ae/a	C			0.0 a
	Ammonium Sulfate	2 % v/v	C			0.0 a
4	BICEP II MAGNUM	1.65 lb ai/a	A		0.0 b	0.0 b
	IGNITE	0.4 lb ai/a	C			0.3 a
	ATRAZINE	0.5 lb ai/a	C			0.0 a
	Ammonium Sulfate	2 % v/v	C			0.0 a
5	LEXAR	1.85 lb ai/a	A		0.0 b	0.0 b
	IGNITE	0.4 lb ai/a	C			0.0 a
	ATRAZINE	0.5 lb ai/a	C			0.0 a
	Ammonium Sulfate	2 % v/v	C			0.0 a
6	BICEP II MAGNUM	1.65 lb ai/a	A		0.0 b	0.0 b
	LAUDIS	0.082 lb ai/a	C			0.8 a
	ATRAZINE	0.5 lb ai/a	C			0.0 a
	Destiny HC (MSO/NIS Blend)	0.5 % v/v	C			0.0 a
	Ammonium Sulfate	2 % v/v	C			0.0 a
7	LEXAR	1.85 lb ai/a	A		0.0 b	0.0 b
	LAUDIS	0.082 lb ai/a	C			0.0 a
	ATRAZINE	0.5 lb ai/a	C			0.0 a
	Destiny HC (MSO/NIS Blend)	0.5 % v/v	C			0.0 a
	Ammonium Sulfate	2 % v/v	C			0.0 a

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	SETFA	CHEAL	ABUTH	AMBTR	SETFA	CHEAL		
Pest Scientific Name	Setaria faberi	Chenopodium al>	Abutilon theop>	Ambrosia trifi>	Setaria faberi	Chenopodium al>		
Pest Name	Giant foxtail	Common lambsqu>	Velvetleaf	Giant ragweed	Giant foxtail	Common lambsqu>		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn		
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20		
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL		
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P		
Rating Date	6/19/2008	6/19/2008	6/19/2008	6/19/2008	7/10/2008	7/10/2008		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	V7	V7	V7	V7	V11-12	V11-12		
Crop Stage Minimum/Maximum	18-24"	18-24"	18-24"	18-24"	6-7'	6-7'		
Pest Stage Majority								
Pest Stage Minimum/Maximum	24-36"	3-30"	4-30"	24-36"	30-56"	24-48"		
Pest Density, Unit	375 YD2	7 YD2	3 YD2	1 YD2	75 FT2	3 YD2		
Footnote Number								
Assessed By	GK CB	GK CB	GK CB	GK CB				
Days After First/Last Applic.	58 2	58 2	58 2	58 2	79 23	79 23		
Plant-Eval Interval	58 DP-1	58 DP-1	58 DP-1	58 DP-1	79 DP-1	79 DP-1		
Days After Emergence	45 DE-	45 DE-	45 DE-	45 DE-	66 DE-	66 DE-		
ARM Action Codes								
Number of Decimals								
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	19	20	21	22	23	24
1 Untreated			0.0 e	0.0 c	0.0 c	0.0 b	0.0 d	0.0 c
2 BICEP II MAGNUM	1.65 lb ai/a	A					100.0 a	99.8 ab
ROUNDUP POWERMAX	0.75 lb ae/a	C						
Ammonium Sulfate	2 % v/v	C						
3 LEXAR	1.85 lb ai/a	A					100.0 a	99.8 ab
ROUNDUP POWERMAX	0.75 lb ae/a	C						
Ammonium Sulfate	2 % v/v	C						
4 BICEP II MAGNUM	1.65 lb ai/a	A					100.0 a	100.0 a
IGNITE	0.4 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Ammonium Sulfate	2 % v/v	C						
5 LEXAR	1.85 lb ai/a	A					100.0 a	100.0 a
IGNITE	0.4 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Ammonium Sulfate	2 % v/v	C						
6 BICEP II MAGNUM	1.65 lb ai/a	A					99.3 a	99.8 ab
LAUDIS	0.082 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Destiny HC (MSO/NIS Blend)	0.5 % v/v	C						
Ammonium Sulfate	2 % v/v	C						
7 LEXAR	1.85 lb ai/a	A					99.8 a	100.0 a
LAUDIS	0.082 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Destiny HC (MSO/NIS Blend)	0.5 % v/v	C						
Ammonium Sulfate	2 % v/v	C						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	ABUTH	AMBTR	SETFA	CHEAL	ABUTH	AMBTR		
Pest Scientific Name	Abutilon theop>	Ambrosia trifi>	Setaria faberi	Chenopodium al>	Abutilon theop>	Ambrosia trifi>		
Pest Name	Velvetleaf	Giant ragweed	Giant foxtail	Common lambsqu>	Velvetleaf	Giant ragweed		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn		
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20		
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL		
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P		
Rating Date	7/10/2008	7/10/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	V11-12	V11-12	Blacklay	Blacklay	Blacklay	Blacklay		
Crop Stage Minimum/Maximum	6-7'	6-7'	9'	9'	9'	9'		
Pest Stage Majority								
Pest Stage Minimum/Maximum	12-56"	30-60"	4.5-5.5					
Pest Density, Unit	3 YD2	1 YD2	12 YD2	7 YD2	3 YD2	1 YD2		
Footnote Number								
Assessed By								
Days After First/Last Applic.	79 23	79 23	142 86	142 86	142 86	142 86		
Plant-Eval Interval	79 DP-1	79 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1		
Days After Emergence	66 DE-	66 DE-	129 DE	129 DE	129 DE	129 DE		
ARM Action Codes								
Number of Decimals								
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	25	26	27	28	29	30
1 Untreated			0.0 c	0.0 b	0.0 c	0.0 b	0.0 b	0.0 b
2 BICEP II MAGNUM	1.65 lb ai/a	A	98.8 a	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
ROUNDUP POWERMAX	0.75 lb ae/a	C						
Ammonium Sulfate	2 % v/v	C						
3 LEXAR	1.85 lb ai/a	A	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
ROUNDUP POWERMAX	0.75 lb ae/a	C						
Ammonium Sulfate	2 % v/v	C						
4 BICEP II MAGNUM	1.65 lb ai/a	A	97.8 ab	100.0 a	100.0 a	100.0 a	97.5 a	100.0 a
IGNITE	0.4 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Ammonium Sulfate	2 % v/v	C						
5 LEXAR	1.85 lb ai/a	A	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
IGNITE	0.4 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Ammonium Sulfate	2 % v/v	C						
6 BICEP II MAGNUM	1.65 lb ai/a	A	98.8 a	99.8 a	100.0 a	100.0 a	100.0 a	100.0 a
LAUDIS	0.082 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Destiny HC (MSO/NIS Blend)	0.5 % v/v	C						
Ammonium Sulfate	2 % v/v	C						
7 LEXAR	1.85 lb ai/a	A	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
LAUDIS	0.082 lb ai/a	C						
ATRAZINE	0.5 lb ai/a	C						
Destiny HC (MSO/NIS Blend)	0.5 % v/v	C						
Ammonium Sulfate	2 % v/v	C						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	CHEAL	SIDSP	PANDI	AMARE	STEME
Pest Scientific Name	Setaria faberi	Chenopodium al>	Sida spinosa	Panicum dichot>	Amaranthus ret>	Stellaria media
Pest Name	Giant foxtail	Common lambsqu>	Prickly sida	Fall panicum	Redroot pigweed	Common chickwe>
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT
Number of Subsamples	1	1	1	1	1	1
Crop Stage Majority	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay
Crop Stage Minimum/Maximum	9'	9'	9'	9'	9'	9'
Pest Stage Majority						
Pest Stage Minimum/Maximum						
Pest Density, Unit						
Footnote Number						
Assessed By	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM
Days After First/Last Applic.	142 86	142 86	142 86	142 86	142 86	142 86
Plant-Eval Interval	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1
Days After Emergence	129 DE	129 DE	129 DE	129 DE	129 DE	129 DE
ARM Action Codes						
Number of Decimals						
Trt Treatment	Rate	Appl				
No. Name	Rate Unit	Code	31	32	33	34
1 Untreated			13.5 a	7.0 a	0.0 a	3.3 a
2 BICEP II MAGNUM	1.65 lb ai/a	A	0.0 b	0.0 b	0.0 a	0.0 b
ROUNDUP POWERMAX	0.75 lb ae/a	C				
Ammonium Sulfate	2 % v/v	C				2.3 a
3 LEXAR	1.85 lb ai/a	A	0.0 b	0.0 b	0.3 a	0.0 b
ROUNDUP POWERMAX	0.75 lb ae/a	C				
Ammonium Sulfate	2 % v/v	C				
4 BICEP II MAGNUM	1.65 lb ai/a	A	0.0 b	0.0 b	0.0 a	0.3 b
IGNITE	0.4 lb ai/a	C				
ATRAZINE	0.5 lb ai/a	C				
Ammonium Sulfate	2 % v/v	C				
5 LEXAR	1.85 lb ai/a	A	0.3 b	0.0 b	0.0 a	0.0 b
IGNITE	0.4 lb ai/a	C				
ATRAZINE	0.5 lb ai/a	C				
Ammonium Sulfate	2 % v/v	C				
6 BICEP II MAGNUM	1.65 lb ai/a	A	0.3 b	0.0 b	0.0 a	0.0 b
LAUDIS	0.082 lb ai/a	C				
ATRAZINE	0.5 lb ai/a	C				
Destiny HC (MSO/NIS Blend)	0.5 % v/v	C				
Ammonium Sulfate	2 % v/v	C				
7 LEXAR	1.85 lb ai/a	A	0.0 b	0.0 b	0.0 a	0.3 b
LAUDIS	0.082 lb ai/a	C				
ATRAZINE	0.5 lb ai/a	C				
Destiny HC (MSO/NIS Blend)	0.5 % v/v	C				
Ammonium Sulfate	2 % v/v	C				

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	TAROF	IPOSS	ABUTH	LAMAM	ASCSY	SOLPT
Pest Scientific Name	Taraxacum offi>	Ipomoea sp.	Abutilon theo>	Lamium amplexi>	Asclepias syri>	Solanum ptycan>
Pest Name	Common dandel>	Morning glory	Velvetleaf	Henbit	Common milkweed	Eastern black >
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT
Number of Subsamples	1	1	1	1	1	1
Crop Stage Majority	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay
Crop Stage Minimum/Maximum	9'	9'	9'	9'	9'	9'
Pest Stage Majority						
Pest Stage Minimum/Maximum						
Pest Density, Unit						
Footnote Number						
Assessed By	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM
Days After First/Last Applic.	142 86	142 86	142 86	142 86	142 86	142 86
Plant-Eval Interval	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1
Days After Emergence	129 DE	129 DE	129 DE	129 DE	129 DE	129 DE
ARM Action Codes						
Number of Decimals						
Trt No.	Treatment	Rate	Appl			
	Name	Rate Unit	Code	37	38	39
1	Untreated			1.3 ab	1.0 a	0.0 b
2	BICEP II MAGNUM	1.65 lb ai/a	A	2.8 a	0.5 a	0.0 b
	ROUNDUP POWERMAX	0.75 lb ae/a	C			
	Ammonium Sulfate	2 % v/v	C			
3	LEXAR	1.85 lb ai/a	A	0.5 b	0.3 a	0.0 b
	ROUNDUP POWERMAX	0.75 lb ae/a	C			
	Ammonium Sulfate	2 % v/v	C			
4	BICEP II MAGNUM	1.65 lb ai/a	A	1.3 ab	0.0 a	1.8 a
	IGNITE	0.4 lb ai/a	C			
	ATRAZINE	0.5 lb ai/a	C			
	Ammonium Sulfate	2 % v/v	C			
5	LEXAR	1.85 lb ai/a	A	0.0 b	0.0 a	0.0 b
	IGNITE	0.4 lb ai/a	C			
	ATRAZINE	0.5 lb ai/a	C			
	Ammonium Sulfate	2 % v/v	C			
6	BICEP II MAGNUM	1.65 lb ai/a	A	0.0 b	0.0 a	0.0 b
	LAUDIS	0.082 lb ai/a	C			
	ATRAZINE	0.5 lb ai/a	C			
	Destiny HC (MSO/NIS Blend)	0.5 % v/v	C			
	Ammonium Sulfate	2 % v/v	C			
7	LEXAR	1.85 lb ai/a	A	0.0 b	0.0 a	0.0 b
	LAUDIS	0.082 lb ai/a	C			
	ATRAZINE	0.5 lb ai/a	C			
	Destiny HC (MSO/NIS Blend)	0.5 % v/v	C			
	Ammonium Sulfate	2 % v/v	C			

Pest Type	W Weed	W Weed		
Pest Code	RUMCR	AMBTR		
Pest Scientific Name	Rumex crispus	Ambrosia trifi>		
Pest Name	Curly dock	Giant ragweed		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	9/11/2008	9/11/2008	10/28/2008	10/28/2008
Rating Type	COUPLA	COUPLA	YIELD	YIELD
Rating Unit	PLANT	PLANT	lb/ac	BU
Number of Subsamples	1	1	1	1
Crop Stage Majority	Blacklay	Blacklay	Mature	Mature
Crop Stage Minimum/Maximum	9'	9'		
Pest Stage Majority				
Pest Stage Minimum/Maximum				
Pest Density, Unit				
Footnote Number				
Assessed By	CB AR VM	CB AR VM	PM	PM
Days After First/Last Applic.	142 86	142 86	189 133	189 133
Plant-Eval Interval	142 DP-1	142 DP-1	189 DP-1	142 DP-1
Days After Emergence	129 DE	129 DE	176 DE	176 DE
ARM Action Codes				TY1
Number of Decimals				1
Trt No.	Treatment	Rate	Appl	
	Name	Rate Unit	Code	
43				
44				
45				
46				
1	Untreated			
		0.0 a		
2	BICEP II MAGNUM	1.65 lb ai/a A		
	ROUNDUP POWERMAX	0.75 lb ae/a C		
	Ammonium Sulfate	2 % v/v C		
		0.0 a		
3	LEXAR	1.85 lb ai/a A		
	ROUNDUP POWERMAX	0.75 lb ae/a C		
	Ammonium Sulfate	2 % v/v C		
		0.0 a		
4	BICEP II MAGNUM	1.65 lb ai/a A		
	IGNITE	0.4 lb ai/a C		
	ATRAZINE	0.5 lb ai/a C		
	Ammonium Sulfate	2 % v/v C		
		0.0 a		
5	LEXAR	1.85 lb ai/a A		
	IGNITE	0.4 lb ai/a C		
	ATRAZINE	0.5 lb ai/a C		
	Ammonium Sulfate	2 % v/v C		
		0.0 a		
6	BICEP II MAGNUM	1.65 lb ai/a A		
	LAUDIS	0.082 lb ai/a C		
	ATRAZINE	0.5 lb ai/a C		
	Destiny HC (MSO/NIS Blend)	0.5 % v/v C		
	Ammonium Sulfate	2 % v/v C		
		0.0 a		
7	LEXAR	1.85 lb ai/a A		
	LAUDIS	0.082 lb ai/a C		
	ATRAZINE	0.5 lb ai/a C		
	Destiny HC (MSO/NIS Blend)	0.5 % v/v C		
	Ammonium Sulfate	2 % v/v C		
		0.0 a		

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	SETFA	AMBTR	ABUTH	CHEAL	STEME	SETFA			
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Abutilon theophrasti	Chenopodium album	Stellaria media	Setaria faberi			
Pest Name	Giant foxtail	Giant ragweed	Velvetleaf	Common lambsquarters	Common chickweed	Giant foxtail			
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX			
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays			
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn			
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20			
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL			
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	COUPLA			
Rating Unit	%	%	%	%	%	PLANT			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority	V6	V6	V6	V6	V6	V6			
Crop Stage Minimum/Maximum	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"			
Pest Stage Majority	1-3 LF	2-3 NODE	4-5 NODE	10 LF					
Pest Stage Minimum/Maximum	2-12"	6-10"	4-8"	3-8"	0-3"				
Pest Density, Unit	125 YD2	1 YD2	1 YD2	3 YD2	1 YD2				
Footnote Number						1			
Assessed By	CG AR	CG AR	CG AR	CG AR	CG AR	VD VM AR CB			
Days After First/Last Applic.	50 1	50 1	50 1	50 1	50 1	50 1			
Plant-Eval Interval	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1			
Days After Emergence	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-			
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment	Rate	Appl Code	1	2	3	4	5	6
8	BICEP II MAGNUM	1.65 lb ai/a	A	96.5 a	95.5 a	92.5 b	100.0 a	100.0 a	1.0 b
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
9	LEXAR	1.85 lb ai/a	A	98.5 a	99.5 a	100.0 a	100.0 a	100.0 a	1.0 b
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
10	BICEP II MAGNUM	1.65 lb ai/a	B						
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
11	LEXAR	1.85 lb ai/a	B						
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
12	BICEP II MAGNUM	1.65 lb ai/a	B						
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
13	LEXAR	1.85 lb ai/a	B						
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
14	BICEP II MAGNUM	1.65 lb ai/a	B						
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
15	LEXAR	1.85 lb ai/a	B						
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
16	BICEP II MAGNUM	1.65 lb ai/a	B						
	STEADFAST	0.035 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	AMBTR	STEME	ABUTH	CHEAL	CAPBP	TAROF			
Pest Scientific Name	Ambrosia trifid>	Stellaria media	Abutilon theop>	Chenopodium al>	Capsella bursa>	Taraxacum offi>			
Pest Name	Giant ragweed	Common chickwe>	Velvetleaf	Common lambsqu>	Shepherd's pur>	Common dandel>			
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX			
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays			
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn			
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20			
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL			
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008			
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA			
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority	V6	V6	V6	V6	V6	V6			
Crop Stage Minimum/Maximum	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"			
Pest Stage Majority									
Pest Stage Minimum/Maximum									
Pest Density, Unit									
Footnote Number	1	1	1	1	1	1			
Assessed By	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB			
Days After First/Last Applic.	50 1	50 1	50 1	50 1	50 1	50 1			
Plant-Eval Interval	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1			
Days After Emergence	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-			
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment	Rate	Appl Code	7	8	9	10	11	12
8	BICEP II MAGNUM	1.65 lb ai/a	A	0.3 a	0.0 b	1.3 a	0.0 b	0.0 b	0.3 a
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
9	LEXAR	1.85 lb ai/a	A	0.5 a	0.0 b	0.0 a	0.0 b	0.0 b	0.0 a
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
10	BICEP II MAGNUM	1.65 lb ai/a	B						
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
11	LEXAR	1.85 lb ai/a	B						
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
12	BICEP II MAGNUM	1.65 lb ai/a	B						
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
13	LEXAR	1.85 lb ai/a	B						
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
14	BICEP II MAGNUM	1.65 lb ai/a	B						
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
15	LEXAR	1.85 lb ai/a	B						
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
16	BICEP II MAGNUM	1.65 lb ai/a	B						
	STEADFAST	0.035 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	SOLPT	AMARE	IPOSS	SIDSP	LAMAM	ECHCG			
Pest Scientific Name	Solanum ptycan>	Amaranthus ret>	Ipomoea sp.	Sida spinosa	Lamium amplexi>	Echinochloa cr>			
Pest Name	Eastern black >	Redroot pigweed	Morning glory	Prickly sida	Henbit	Common barnyar>			
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX			
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays			
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn			
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20			
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL			
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008			
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA			
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority	V6	V6	V6	V6	V6	V6			
Crop Stage Minimum/Maximum	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"			
Pest Stage Majority									
Pest Stage Minimum/Maximum									
Pest Density, Unit									
Footnote Number	1	1	1	1	1	1			
Assessed By	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB			
Days After First/Last Applic.	50 1	50 1	50 1	50 1	50 1	50 1			
Plant-Eval Interval	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1			
Days After Emergence	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-			
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment	Rate	Appl Code	13	14	15	16	17	18
8	BICEP II MAGNUM	1.65 lb ai/a	A	0.0 b	0.0 b	0.3 a	0.3 a	0.0 a	0.0 a
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
9	LEXAR	1.85 lb ai/a	A	0.0 b	0.0 b	0.0 a	0.3 a	0.0 a	0.0 a
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
10	BICEP II MAGNUM	1.65 lb ai/a	B						
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
11	LEXAR	1.85 lb ai/a	B						
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
12	BICEP II MAGNUM	1.65 lb ai/a	B						
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
13	LEXAR	1.85 lb ai/a	B						
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
14	BICEP II MAGNUM	1.65 lb ai/a	B						
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
15	LEXAR	1.85 lb ai/a	B						
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
16	BICEP II MAGNUM	1.65 lb ai/a	B						
	STEADFAST	0.035 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	SETFA	CHEAL	ABUTH	AMBTR	SETFA	CHEAL		
Pest Scientific Name	Setaria faberi	Chenopodium al>	Abutilon theop>	Ambrosia trifi>	Setaria faberi	Chenopodium al>		
Pest Name	Giant foxtail	Common lambsqu>	Velvetleaf	Giant ragweed	Giant foxtail	Common lambsqu>		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn		
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20		
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL		
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P		
Rating Date	6/19/2008	6/19/2008	6/19/2008	6/19/2008	7/10/2008	7/10/2008		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	V7	V7	V7	V7	V11-12	V11-12		
Crop Stage Minimum/Maximum	18-24"	18-24"	18-24"	18-24"	6-7'	6-7'		
Pest Stage Majority								
Pest Stage Minimum/Maximum	24-36"	3-30"	4-30"	24-36"	30-56"	24-48"		
Pest Density, Unit	375 YD2	7 YD2	3 YD2	1 YD2	75 FT2	3 YD2		
Footnote Number								
Assessed By	GK CB	GK CB	GK CB	GK CB				
Days After First/Last Applic.	58 2	58 2	58 2	58 2	79 23	79 23		
Plant-Eval Interval	58 DP-1	58 DP-1	58 DP-1	58 DP-1	79 DP-1	79 DP-1		
Days After Emergence	45 DE-	45 DE-	45 DE-	45 DE-	66 DE-	66 DE-		
ARM Action Codes								
Number of Decimals								
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	19	20	21	22	23	24
8 BICEP II MAGNUM	1.65 lb ai/a	A					99.3 a	99.8 ab
STEADFAST	0.035 lb ai/a	C						
STATUS	0.105 lb ai/a	C						
COC	1 % v/v	C						
Ammonium Sulfate	2 % v/v	C						
9 LEXAR	1.85 lb ai/a	A					99.5 a	100.0 a
STEADFAST	0.035 lb ai/a	C						
STATUS	0.105 lb ai/a	C						
COC	1 % v/v	C						
Ammonium Sulfate	2 % v/v	C						
10 BICEP II MAGNUM	1.65 lb ai/a	B	99.3 a	100.0 a	100.0 a	100.0 a	100.0 a	99.8 ab
ROUNDUP POWERMAX	0.75 lb ae/a	B						
Ammonium Sulfate	2 % v/v	B						
11 LEXAR	1.85 lb ai/a	B	99.8 a	99.5 a	100.0 a	100.0 a	100.0 a	100.0 a
ROUNDUP POWERMAX	0.75 lb ae/a	B						
Ammonium Sulfate	2 % v/v	B						
12 BICEP II MAGNUM	1.65 lb ai/a	B	99.0 a	99.5 a	99.5 a	100.0 a	99.8 a	99.8 ab
IGNITE	0.4 lb ai/a	B						
Ammonium Sulfate	2 % v/v	B						
13 LEXAR	1.85 lb ai/a	B	99.5 a	100.0 a	100.0 a	98.8 a	99.8 a	100.0 a
IGNITE	0.4 lb ai/a	B						
Ammonium Sulfate	2 % v/v	B						
14 BICEP II MAGNUM	1.65 lb ai/a	B	95.0 ab	95.8 a	100.0 a	100.0 a	99.0 a	100.0 a
LAUDIS	0.082 lb ai/a	B						
COC	1 % v/v	B						
Ammonium Sulfate	2 % v/v	B						
15 LEXAR	1.85 lb ai/a	B	92.0 bc	97.0 a	98.3 a	100.0 a	98.5 a	100.0 a
LAUDIS	0.082 lb ai/a	B						
COC	1 % v/v	B						
Ammonium Sulfate	2 % v/v	B						
16 BICEP II MAGNUM	1.65 lb ai/a	B	82.5 d	90.3 b	87.5 b	98.8 a	97.0 b	99.3 b
STEADFAST	0.035 lb ai/a	B						
COC	1 % v/v	B						
Ammonium Sulfate	2 % v/v	B						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	ABUTH	AMBTR	SETFA	CHEAL	ABUTH	AMBTR			
Pest Scientific Name	Abutilon theop>	Ambrosia trifi>	Setaria faberi	Chenopodium al>	Abutilon theop>	Ambrosia trifi>			
Pest Name	Velvetleaf	Giant ragweed	Giant foxtail	Common lambsqu>	Velvetleaf	Giant ragweed			
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX			
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays			
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn			
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20			
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL			
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	7/10/2008	7/10/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority	V11-12	V11-12	Blacklay	Blacklay	Blacklay	Blacklay			
Crop Stage Minimum/Maximum	6-7'	6-7'	9'	9'	9'	9'			
Pest Stage Majority									
Pest Stage Minimum/Maximum	12-56"	30-60"	4.5-5.5						
Pest Density, Unit	3 YD2	1 YD2	12 YD2	7 YD2	3 YD2	1 YD2			
Footnote Number									
Assessed By									
Days After First/Last Applic.	79 23	79 23	142 86	142 86	142 86	142 86			
Plant-Eval Interval	79 DP-1	79 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1			
Days After Emergence	66 DE-	66 DE-	129 DE	129 DE	129 DE	129 DE			
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment	Rate	Appl Code	25	26	27	28	29	30
8	BICEP II MAGNUM	1.65 lb ai/a	A	97.8 ab	99.8 a	100.0 a	100.0 a	100.0 a	100.0 a
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
9	LEXAR	1.85 lb ai/a	A	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
10	BICEP II MAGNUM	1.65 lb ai/a	B	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
11	LEXAR	1.85 lb ai/a	B	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
12	BICEP II MAGNUM	1.65 lb ai/a	B	99.3 a	100.0 a	99.8 a	100.0 a	100.0 a	100.0 a
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
13	LEXAR	1.85 lb ai/a	B	100.0 a	100.0 a	99.3 ab	100.0 a	100.0 a	100.0 a
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
14	BICEP II MAGNUM	1.65 lb ai/a	B	100.0 a	100.0 a	98.8 b	100.0 a	100.0 a	100.0 a
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
15	LEXAR	1.85 lb ai/a	B	100.0 a	100.0 a	98.8 b	100.0 a	100.0 a	100.0 a
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
16	BICEP II MAGNUM	1.65 lb ai/a	B	96.5 b	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a
	STEADFAST	0.035 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	SETFA	CHEAL	SIDSP	PANDI	AMARE	STEME		
Pest Scientific Name	Setaria faberi	Chenopodium al>	Sida spinosa	Panicum dichot>	Amaranthus ret>	Stellaria media		
Pest Name	Giant foxtail	Common lambsqu>	Prickly sida	Fall panicum	Redroot pigweed	Common chickwe>		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX		
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR		
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays		
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn		
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20		
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL		
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P		
Rating Date	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008		
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA		
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay		
Crop Stage Minimum/Maximum	9'	9'	9'	9'	9'	9'		
Pest Stage Majority								
Pest Stage Minimum/Maximum								
Pest Density, Unit								
Footnote Number								
Assessed By	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM		
Days After First/Last Applic.	142 86	142 86	142 86	142 86	142 86	142 86		
Plant-Eval Interval	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1		
Days After Emergence	129 DE	129 DE	129 DE	129 DE	129 DE	129 DE		
ARM Action Codes								
Number of Decimals								
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	31	32	33	34	35	36
8 BICEP II MAGNUM	1.65 lb ai/a	A	0.0 b	0.0 b	0.5 a	0.0 b	0.0 a	4.8 a
STEADFAST	0.035 lb ai/a	C						
STATUS	0.105 lb ai/a	C						
COC	1 % v/v	C						
Ammonium Sulfate	2 % v/v	C						
9 LEXAR	1.85 lb ai/a	A	0.0 b	0.0 b	0.0 a	0.0 b	0.0 a	5.3 a
STEADFAST	0.035 lb ai/a	C						
STATUS	0.105 lb ai/a	C						
COC	1 % v/v	C						
Ammonium Sulfate	2 % v/v	C						
10 BICEP II MAGNUM	1.65 lb ai/a	B	0.0 b	0.0 b	0.0 a	0.0 b	0.0 a	10.3 a
ROUNDUP POWERMAX	0.75 lb ae/a	B						
Ammonium Sulfate	2 % v/v	B						
11 LEXAR	1.85 lb ai/a	B	0.0 b	0.0 b	0.0 a	0.0 b	0.0 a	6.8 a
ROUNDUP POWERMAX	0.75 lb ae/a	B						
Ammonium Sulfate	2 % v/v	B						
12 BICEP II MAGNUM	1.65 lb ai/a	B	0.0 b	0.0 b	0.0 a	1.8 ab	0.0 a	4.8 a
IGNITE	0.4 lb ai/a	B						
Ammonium Sulfate	2 % v/v	B						
13 LEXAR	1.85 lb ai/a	B	0.0 b	0.0 b	0.0 a	0.0 b	0.0 a	6.3 a
IGNITE	0.4 lb ai/a	B						
Ammonium Sulfate	2 % v/v	B						
14 BICEP II MAGNUM	1.65 lb ai/a	B	1.0 b	0.0 b	0.3 a	3.0 a	0.0 a	2.5 a
LAUDIS	0.082 lb ai/a	B						
COC	1 % v/v	B						
Ammonium Sulfate	2 % v/v	B						
15 LEXAR	1.85 lb ai/a	B	3.3 b	0.0 b	0.0 a	1.9 ab	0.0 a	2.5 a
LAUDIS	0.082 lb ai/a	B						
COC	1 % v/v	B						
Ammonium Sulfate	2 % v/v	B						
16 BICEP II MAGNUM	1.65 lb ai/a	B	0.0 b	0.0 b	0.3 a	0.0 b	0.0 a	7.0 a
STEADFAST	0.035 lb ai/a	B						
COC	1 % v/v	B						
Ammonium Sulfate	2 % v/v	B						

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	TAROF	IPOSS	ABUTH	LAMAM	ASCSY	SOLPT			
Pest Scientific Name	Taraxacum offi>	Ipomoea sp.	Abutilon theop>	Lamium amplexi>	Asclepias syri>	Solanum ptycan>			
Pest Name	Common dandel>	Morning glory	Velvetleaf	Henbit	Common milkweed	Eastern black >			
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX			
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays			
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn			
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20			
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL			
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008			
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA			
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay			
Crop Stage Minimum/Maximum	9'	9'	9'	9'	9'	9'			
Pest Stage Majority									
Pest Stage Minimum/Maximum									
Pest Density, Unit									
Footnote Number									
Assessed By	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM			
Days After First/Last Applic.	142 86	142 86	142 86	142 86	142 86	142 86			
Plant-Eval Interval	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1			
Days After Emergence	129 DE	129 DE	129 DE	129 DE	129 DE	129 DE			
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment	Rate	Appl Code	37	38	39	40	41	42
8	BICEP II MAGNUM	1.65 lb ai/a	A	1.3 ab	0.0 a	0.0 b	9.8 a	0.0 a	0.0 b
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
9	LEXAR	1.85 lb ai/a	A	0.3 b	0.0 a	0.0 b	1.8 a	0.0 a	0.0 b
	STEADFAST	0.035 lb ai/a	C						
	STATUS	0.105 lb ai/a	C						
	COC	1 % v/v	C						
	Ammonium Sulfate	2 % v/v	C						
10	BICEP II MAGNUM	1.65 lb ai/a	B	2.0 ab	0.0 a	0.0 b	0.8 a	0.0 a	0.0 b
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
11	LEXAR	1.85 lb ai/a	B	0.0 b	0.0 a	0.0 b	3.8 a	0.3 a	0.0 b
	ROUNDUP POWERMAX	0.75 lb ae/a	B						
	Ammonium Sulfate	2 % v/v	B						
12	BICEP II MAGNUM	1.65 lb ai/a	B	1.8 ab	0.5 a	0.0 b	1.3 a	0.0 a	0.0 b
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
13	LEXAR	1.85 lb ai/a	B	0.0 b	0.0 a	0.0 b	3.3 a	1.3 a	0.0 b
	IGNITE	0.4 lb ai/a	B						
	Ammonium Sulfate	2 % v/v	B						
14	BICEP II MAGNUM	1.65 lb ai/a	B	1.3 ab	0.0 a	0.0 b	2.3 a	0.0 a	0.0 b
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
15	LEXAR	1.85 lb ai/a	B	0.0 b	0.0 a	0.0 b	0.8 a	0.0 a	0.0 b
	LAUDIS	0.082 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						
16	BICEP II MAGNUM	1.65 lb ai/a	B	0.3 b	0.3 a	0.3 b	0.8 a	0.0 a	0.0 b
	STEADFAST	0.035 lb ai/a	B						
	COC	1 % v/v	B						
	Ammonium Sulfate	2 % v/v	B						

Pest Type	W Weed	W Weed		
Pest Code	RUMCR	AMBTR		
Pest Scientific Name	Rumex crispus	Ambrosia trifida		
Pest Name	Curly dock	Giant ragweed		
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	9/11/2008	9/11/2008	10/28/2008	10/28/2008
Rating Type	COUPLA	COUPLA	YIELD	YIELD
Rating Unit	PLANT	PLANT	lb/ac	BU
Number of Subsamples	1	1	1	1
Crop Stage Majority	Blacklay	Blacklay	Mature	Mature
Crop Stage Minimum/Maximum	9'	9'		
Pest Stage Majority				
Pest Stage Minimum/Maximum				
Pest Density, Unit				
Footnote Number				
Assessed By	CB AR VM	CB AR VM	PM	PM
Days After First/Last Applic.	142 86	142 86	189 133	189 133
Plant-Eval Interval	142 DP-1	142 DP-1	189 DP-1	142 DP-1
Days After Emergence	129 DE	129 DE	176 DE	176 DE
ARM Action Codes				TY1
Number of Decimals				1
Trt No.	Treatment	Rate	Appl Code	
		Rate Unit		
43				
44				
45				
46				
8	BICEP II MAGNUM	1.65 lb ai/a	A	0.0 a
	STEADFAST	0.035 lb ai/a	C	0.0 a
	STATUS	0.105 lb ai/a	C	38.15 a
	COC	1 % v/v	C	236.3 a
	Ammonium Sulfate	2 % v/v	C	
9	LEXAR	1.85 lb ai/a	A	0.0 a
	STEADFAST	0.035 lb ai/a	C	0.0 a
	STATUS	0.105 lb ai/a	C	36.93 a
	COC	1 % v/v	C	228.7 a
	Ammonium Sulfate	2 % v/v	C	
10	BICEP II MAGNUM	1.65 lb ai/a	B	0.0 a
	ROUNDUP POWERMAX	0.75 lb ae/a	B	0.0 a
	Ammonium Sulfate	2 % v/v	B	38.23 a
				236.7 a
11	LEXAR	1.85 lb ai/a	B	0.0 a
	ROUNDUP POWERMAX	0.75 lb ae/a	B	0.0 a
	Ammonium Sulfate	2 % v/v	B	36.80 a
				227.9 a
12	BICEP II MAGNUM	1.65 lb ai/a	B	0.0 a
	IGNITE	0.4 lb ai/a	B	0.0 a
	Ammonium Sulfate	2 % v/v	B	35.78 a
				221.6 a
13	LEXAR	1.85 lb ai/a	B	0.0 a
	IGNITE	0.4 lb ai/a	B	0.0 a
	Ammonium Sulfate	2 % v/v	B	36.13 a
				223.7 a
14	BICEP II MAGNUM	1.65 lb ai/a	B	0.0 a
	LAUDIS	0.082 lb ai/a	B	0.0 a
	COC	1 % v/v	B	34.43 a
	Ammonium Sulfate	2 % v/v	B	213.2 a
15	LEXAR	1.85 lb ai/a	B	0.0 a
	LAUDIS	0.082 lb ai/a	B	0.0 a
	COC	1 % v/v	B	42.10 a
	Ammonium Sulfate	2 % v/v	B	260.7 a
16	BICEP II MAGNUM	1.65 lb ai/a	B	0.3 a
	STEADFAST	0.035 lb ai/a	B	0.0 a
	COC	1 % v/v	B	32.85 a
	Ammonium Sulfate	2 % v/v	B	203.5 a



Pest Type	W Weed					
Pest Code	STEME	ABUTH	CHEAL	CAPBP	TAROF	SOLPT
Pest Scientific Name	Stellaria media	Abutilon theop>	Chenopodium al>	Capsella bursa>	Taraxacum offi>	Solanum ptycan>
Pest Name	Common chickwe>	Velvetleaf	Common lambsqu>	Shepherd's pur>	Common dandel>	Eastern black >
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays					
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20					
Description	JD 7200; RR/LL					
Part Rated	PLOT P					
Rating Date	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT
Number of Subsamples	1	1	1	1	1	1
Crop Stage Majority	V6	V6	V6	V6	V6	V6
Crop Stage Minimum/Maximum	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"
Pest Stage Majority						
Pest Stage Minimum/Maximum						
Pest Density, Unit						
Footnote Number	1	1	1	1	1	1
Assessed By	VD VM AR CB					
Days After First/Last Applic.	50 1	50 1	50 1	50 1	50 1	50 1
Plant-Eval Interval	50 DP-1					
Days After Emergence	37 DE-					
ARM Action Codes						
Number of Decimals						
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate
No. Name	Unit	Unit	Unit	Unit	Unit	Unit
	Code	Code	Code	Code	Code	Code
	8	9	10	11	12	13
17 LEXAR	1.85 lb ai/a B					
STEADFAST	0.035 lb ai/a B					
COC	1 % v/v B					
Ammonium Sulfate	2 % v/v B					
LSD (P=.05)	3.33	2.23	1.51	0.89	0.93	1.08
Standard Deviation	2.28	1.53	1.03	0.61	0.64	0.74
CV	227.86	144.5	100.4	91.29	256.04	295.65
Bartlett's X2	0.587	7.544	0.0	0.0	8.205	0.0
P(Bartlett's X2)	0.443	0.11	.	.	0.042*	.
Replicate F	0.185	2.245	1.000	1.000	1.153	1.000
Replicate Prob(F)	0.9052	0.1090	0.4098	0.4098	0.3483	0.4098
Treatment F	4.490	2.707	35.713	43.200	2.288	4.119
Treatment Prob(F)	0.0020	0.0281	0.0001	0.0001	0.0559	0.0033

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	IPOSS	SIDSP	LAMAM	ECHCG	SETFA
Pest Scientific Name	Amaranthus ret>	Ipomoea sp.	Sida spinosa	Lamium amplexi>	Echinochloa cr>	Setaria faberi
Pest Name	Redroot pigweed	Morning glory	Prickly sida	Henbit	Common barnyar>	Giant foxtail
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/19/2008
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	CONTRO
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	%
Number of Subsamples	1	1	1	1	1	1
Crop Stage Majority	V6	V6	V6	V6	V6	V7
Crop Stage Minimum/Maximum	12-18"	12-18"	12-18"	12-18"	12-18"	18-24"
Pest Stage Majority						
Pest Stage Minimum/Maximum						24-36"
Pest Density, Unit						375 YD2
Footnote Number	1	1	1	1	1	
Assessed By	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB	VD VM AR CB	GK CB
Days After First/Last Applic.	50 1	50 1	50 1	50 1	50 1	58 2
Plant-Eval Interval	50 DP-1	50 DP-1	50 DP-1	50 DP-1	50 DP-1	58 DP-1
Days After Emergence	37 DE-	37 DE-	37 DE-	37 DE-	37 DE-	45 DE-
ARM Action Codes						
Number of Decimals						
Trt Treatment	Rate	Appl				
No. Name	Rate	Unit	Code			
	14			15		
						16
						17
						18
						19
17 LEXAR	1.85	lb ai/a	B			
STEADFAST	0.035	lb ai/a	B			
COC	1	% v/v	B			
Ammonium Sulfate	2	% v/v	B			
LSD (P=.05)	0.28			0.66		0.35
Standard Deviation	0.19			0.45		0.24
CV	346.41			270.8		433.01
Bartlett's X2	0.0			2.179		0.0
P(Bartlett's X2)	.			0.536		.
Replicate F	1.000			0.182		0.640
Replicate Prob(F)	0.4098			0.9077		0.5967
Treatment F	3.000			1.227		0.840
Treatment Prob(F)	0.0176			0.3258		0.5774
						7.36
						5.04
						378.04
						0.0
						0.0
						.
						1.000
						0.4098
						2.519
						0.0382
						0.24
						0.17
						600.0
						0.0
						.
						4.841
						0.0090
						353.793
						0.0001
						87.5 c



Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	SETFA	CHEAL	ABUTH	AMBTR	SETFA	CHEAL	SIDSP			
Pest Scientific Name	Setaria faberi	Chenopodium al>	Abutilon theop>	Ambrosia trifi>	Setaria faberi	Chenopodium al>	Sida spinosa			
Pest Name	Giant foxtail	Common lambsqu>	Velvetleaf	Giant ragweed	Giant foxtail	Common lambsqu>	Prickly sida			
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX			
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays			
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn	Corn			
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20			
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL			
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	COUPLA	COUPLA	COUPLA			
Rating Unit	%	%	%	%	PLANT	PLANT	PLANT			
Number of Subsamples	1	1	1	1	1	1	1			
Crop Stage Majority	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay			
Crop Stage Minimum/Maximum	9'	9'	9'	9'	9'	9'	9'			
Pest Stage Majority										
Pest Stage Minimum/Maximum	4.5-5.5									
Pest Density, Unit	12 YD2	7 YD2	3 YD2	1 YD2						
Footnote Number										
Assessed By					CB AR VM	CB AR VM	CB AR VM			
Days After First/Last Applic.	142 86	142 86	142 86	142 86	142 86	142 86	142 86			
Plant-Eval Interval	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1			
Days After Emergence	129 DE	129 DE	129 DE	129 DE	129 DE	129 DE	129 DE			
ARM Action Codes										
Number of Decimals										
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	27	28	29	30	31	32	33
17 LEXAR	1.85	lb ai/a	B	99.8 a	100.0 a	100.0 a	100.0 a	0.0 b	0.0 b	0.0 a
STEADFAST	0.035	lb ai/a	B							
COC	1	% v/v	B							
Ammonium Sulfate	2	% v/v	B							
LSD (P=.05)	0.67			0.67	0.00	1.73	0.00	1.97	1.72	0.36
Standard Deviation	0.47			0.47	0.00	1.21	0.00	1.38	1.20	0.25
CV	0.5			0.5	0.0	1.29	0.0	128.65	292.54	338.33
Bartlett's X2	6.44			6.44	0.0	0.0	0.0	17.327	0.0	0.095
P(Bartlett's X2)	0.169			0.169	.	.	.	0.002*	.	0.992
Replicate F	1.657			1.657	0.000	1.000	0.000	0.645	1.000	1.505
Replicate Prob(F)	0.1887			0.1887	1.0000	0.4010	1.0000	0.5899	0.4010	0.2252
Treatment F	10561.377			10561.377	0.000	1596.000	0.000	22.850	7.946	1.396
Treatment Prob(F)	0.0001			0.0001	1.0000	0.0001	1.0000	0.0001	0.0001	0.1841

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	PANDI	AMARE	STEME	TAROF	IPOSS	ABUTH
Pest Scientific Name	Panicum dichot>	Amaranthus ret>	Stellaria media	Taraxacum offi>	Ipomoea sp.	Abutilon theop>
Pest Name	Fall panicum	Redroot pigweed	Common chickwe>	Common dandel>	Morning glory	Velvetleaf
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	PLANT
Number of Subsamples	1	1	1	1	1	1
Crop Stage Majority	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay
Crop Stage Minimum/Maximum	9'	9'	9'	9'	9'	9'
Pest Stage Majority						
Pest Stage Minimum/Maximum						
Pest Density, Unit						
Footnote Number						
Assessed By	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM
Days After First/Last Applic.	142 86	142 86	142 86	142 86	142 86	142 86
Plant-Eval Interval	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1
Days After Emergence	129 DE	129 DE	129 DE	129 DE	129 DE	129 DE
ARM Action Codes						
Number of Decimals						
Trt Treatment						
No. Name	Rate Unit Appl					
17 LEXAR	1.85 lb ai/a B	0.0 b	0.0 a	5.5 a	0.0 b	0.0 a
STEADFAST	0.035 lb ai/a B					
COC	1 % v/v B					
Ammonium Sulfate	2 % v/v B					
LSD (P=.05)	1.59	0.17	5.29	1.40	0.62	0.62
Standard Deviation	1.11	0.12	3.70	0.98	0.44	0.44
CV	181.2	824.62	71.88	132.8	295.89	371.06
Bartlett's X2	17.23	0.0	28.558	20.911	5.38	3.669
P(Bartlett's X2)	0.004*	.	0.027*	0.013*	0.25	0.055
Replicate F	0.811	1.000	1.572	1.830	4.246	0.617
Replicate Prob(F)	0.4941	0.4010	0.2085	0.1542	0.0097	0.6071
Treatment F	4.061	1.000	1.302	3.162	1.660	3.791
Treatment Prob(F)	0.0001	0.4727	0.2352	0.0010	0.0889	0.0002

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	LAMAM	ASCSY	SOLPT	RUMCR	AMBTR			
Pest Scientific Name	Lamium amplexi>	Asclepias syri>	Solanum ptycan>	Rumex crispus	Ambrosia trifi>			
Pest Name	Henbit	Common milkweed	Eastern black >	Curly dock	Giant ragweed			
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR	BCOR
Crop Scientific Name	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays	Zea mays
Crop Name	Corn	Corn	Corn	Corn	Corn	Corn	Corn	Corn
Crop Variety	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20	Pioneer 34A20
Description	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL	JD 7200; RR/LL
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	10/28/2008	10/28/2008	10/28/2008
Rating Type	COUPLA	COUPLA	COUPLA	COUPLA	COUPLA	YIELD	YIELD	YIELD
Rating Unit	PLANT	PLANT	PLANT	PLANT	PLANT	lb/ac	BU	BU
Number of Subsamples	1	1	1	1	1	1	1	1
Crop Stage Majority	Blacklay	Blacklay	Blacklay	Blacklay	Blacklay	Mature	Mature	Mature
Crop Stage Minimum/Maximum	9'	9'	9'	9'	9'			
Pest Stage Majority								
Pest Stage Minimum/Maximum								
Pest Density, Unit								
Footnote Number								
Assessed By	CB AR VM	CB AR VM	CB AR VM	CB AR VM	CB AR VM	PM	PM	PM
Days After First/Last Applic.	142 86	142 86	142 86	142 86	142 86	189 133	189 133	189 133
Plant-Eval Interval	142 DP-1	142 DP-1	142 DP-1	142 DP-1	142 DP-1	189 DP-1	142 DP-1	142 DP-1
Days After Emergence	129 DE	129 DE	129 DE	129 DE	129 DE	176 DE	176 DE	176 DE
ARM Action Codes								TY1
Number of Decimals								1
Trt Treatment	Rate Appl							
No. Name	Rate Unit Code	40	41	42	43	44	45	46
17 LEXAR	1.85 lb ai/a B	4.0 a	0.0 a	0.0 b	0.0 a	0.0 a	35.60 a	220.5 a
STEADFAST	0.035 lb ai/a B							
COC	1 % v/v B							
Ammonium Sulfate	2 % v/v B							
LSD (P=.05)		7.85	0.89	0.95	0.17	0.17	6.399	39.63
Standard Deviation		5.49	0.62	0.67	0.12	0.12	4.478	27.73
CV		158.89	703.6	349.36	824.62	824.62	12.52	12.52
Bartlett's X2		72.834	5.677	0.0	0.0	0.0	74.176	74.176
P(Bartlett's X2)		0.001*	0.017*	.	.	.	0.001*	0.001*
Replicate F		5.328	0.865	1.000	1.000	1.000	2.563	2.563
Replicate Prob(F)		0.0030	0.4658	0.4010	0.4010	0.4010	0.0662	0.0662
Treatment F		1.181	0.968	5.571	1.000	1.000	2.158	2.158
Treatment Prob(F)		0.3166	0.5039	0.0001	0.4727	0.4727	0.0215	0.0215

## Purdue University

PRE herbicide efficacy in corn with Roundup or Ignite POST treatments

Trial ID: 08S-THP-CTC-20      Protocol ID: 08S-THP-CTC-20  
 Location: Throckmorton      Study Director: Melissa Kruger  
 Project ID:                      Investigator: Dr. Bill Johnson  
    Sponsor Contact:

### Pest Type

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

### Pest Code

SETFA, *Setaria faberi*, = US  
 AMBTR, *Ambrosia trifida*, = US  
 ABUTH, *Abutilon theophrasti*, = US  
 CHEAL, *Chenopodium album*, = US  
 STEME, *Stellaria media*, = US  
 CAPBP, *Capsella bursa-pastoris*, = US  
 TAROF, *Taraxacum officinale*, = US  
 SOLPT, *Solanum ptycanthum*, = US  
 AMARE, *Amaranthus retroflexus*, = US  
 IPOSS, *Ipomoea sp.*, = US  
 SIDSP, *Sida spinosa*, = US  
 LAMAM, *Lamium amplexicaule*, = US  
 ECHCG, *Echinochloa crus-galli*, = US  
 PANDI, *Panicum dichotomiflorum*, = US  
 ASCSY, *Asclepias syriaca*, = US  
 RUMCR, *Rumex crispus*, = US

### Crop Code

ZEAMX, BCOR, *Zea mays*, = US

P = Pest is Part Rated

### Rating Type

CONTRO = control / burndown or knockdown  
 COUPLA = count - plant / emergence - objective  
 YIELD = yield

### Rating Unit

% = percent  
 PLANT = plant  
 lb/ac = pounds per acre  
 BU = bushel

YD2 = per square yard  
 FT2 = per square foot

### Plant-Eval Interval

50 DP-1 = 1 4/22/2008  
 58 DP-1 = 1 4/22/2008  
 79 DP-1 = 1 4/22/2008  
 142 DP-1 = 1 4/22/2008  
 189 DP-1 = 1 4/22/2008

### ARM Action Codes

TY1 = 6.1934\*[C45]

Footnote 1: Two counts per plot with 0.5 M2 quads