

Purdue Weed Science

Northern Univ Demos- DiFlexx, Laudis Flexx

Trial ID: 15S-THP-CTC-03 Location: TPAC Trial Year: 2015
 Protocol ID: 15S-THP-CTC-03 Investigator: Dr. Bill Johnson
 Project ID: HP15USABLFUEF1 Study Director: Joe Ikley
 Sponsor Contact: Bayer - Alan Kurtz

General Trial Information

Study Director: Joe Ikley **Title:** Research Associate
Investigator: Dr. Bill Johnson **Title:** Professor

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Study Director: Joe Ikley **Title:** Research Associate
Organization: Purdue University
Address: 915 West State Street **Phone No.:** 765-494-0891
City+State/Prov: West Lafayette **Mobile No.:** 410-596-9091
Postal Code: 47907 **E-mail:** jikley@purdue.edu

Investigator: Dr. Bill Johnson **Title:** Professor
Organization: Purdue University
Address: 915 West State Street **Phone No.:** 765-494-4656
City+State/Prov: West Lafayette **Mobile No.:** 765-404-9801
Postal Code: 47907 **E-mail:** wgj@purdue.edu

Cooperator/Landowner

Cooperator: Jay Young **Role:** Superintendent
Organization: Purdue University
Address 1: 8343 US 231 S
City: Lafayette **Phone No.:** 765-538-3422
State/Prov: IN **Fax No.:** 765-538-3423
Postal Code: 47909
Country: USA United States **E-mail:** jayyoung@purdue.edu

Crop Description

Crop 1: ZEAMX Zea mays
Variety: DKC 62-08 RIB **BBCH Scale:** BCOR
Description: RR/LL
Planting Date: 5/2/2015
Planting Method: SEEDED seeded
Planting Equipment: FPP Finger Pickup Planter
Emergence Date: 5/9/2015
Planting Rate, Unit: 32000 S/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Spacing Within Row, Unit: 6 IN
Planting Density, Unit: 32000 S/A
Soil Temperature, Unit: 55 F
Soil Moisture: SLIWET slightly wet, moist
Seed Bed: MEDIUM medium
Harvested Width, Unit: 5 FT
Harvested Length, Unit: 25 FT
% Standard Moisture: 15.5

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:** ABUTH Abutilon theophrasti
Common Name: velvetleaf

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

Pest 5 Type: W **Code:** CHEAL Chenopodium album
Common Name: Common lambsquarters

Site and Design

Treated Plot Width: 10 FT **Site Type:** FIELD field
Treated Plot Length: 30 FT **Experimental Unit:** 1 PLOT plot
Treated Plot Area: 300 FT2 **Treatments:** 16 **Tillage Type:** CONTIL conventional-till
Replications: 4 **Study Design:** RACOBL Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

Purdue Weed Science

Field Prep./Maintenance:

171 pounds of UAN (28-0-0) applied and disked in on May 1st

Soil Description
Description Name: TPAC - Field 4B

% OM: 2.9

Texture: SIL

silt loam

pH: 6.2

Soil Name: Toronto-Millbrook

CEC: 13.3

Application Description

	A	B	C
Application Date:	5/2/2015	5/22/2015	5/28/2015
Appl. Start Time:	13:00	8:00	13:00
Appl. Stop Time:	14:00	8:45	13:45
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPOST	LPOST
Application Placement:	SOIL	BROADC	BROADC
Applied By:	JI	JI	JI
Air Temperature, Unit:	72 F	54 F	73 F
% Relative Humidity:	37	76	61
Wind Velocity, Unit:	5 MPH	2.4 MPH	5 MPH
Wind Direction:	SW	SW	E
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	57 F	57 F	70 F
Soil Moisture:	SLIWET	SLIDRY	DRY
% Cloud Cover:	30	10	10
Next Moisture Occurred On:	5/4/2015		

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	BBCH	BBCH	BBCH
Stage Majority, Percent:	00	33	35
Height, Unit:		5 IN	11 IN
Height Minimum, Maximum:		4 6	10 12

Purdue Weed Science

Pest Stage At Each Application			
	A	B	C
Pest 1 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:		12	32G
Stage Minimum, Percent:			31G
Stage Maximum, Percent:			33G
Height, Unit:		2 IN	3 IN
Height Minimum, Maximum:		1 3	2 4
Density, Unit:		10 YD2	10 YD2
Pest 2 Code, Type, Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:		12	32G
Stage Minimum, Percent:		11	31G
Stage Maximum, Percent:		13	33G
Height, Unit:		2 IN	2 IN
Height Minimum, Maximum:		1 3	1 3
Density, Unit:		7 YD2	5 YD2
Pest 3 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:		13	
Stage Minimum, Percent:		12	
Stage Maximum, Percent:		14	
Height, Unit:		1 IN	
Height Minimum, Maximum:		0.5 1.5	
Density, Unit:		4 YD2	
Pest 4 Code, Type, Scale:	AMARE W	AMARE W	AMARE W
Stage Majority, Percent:		13	
Stage Minimum, Percent:		12	
Stage Maximum, Percent:		14	
Height, Unit:		1 IN	
Height Minimum, Maximum:		0.5 1.5	
Density, Unit:		4 YD2	
Pest 5 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:		13	
Stage Minimum, Percent:		12	
Stage Maximum, Percent:		14	
Height, Unit:		1 IN	
Height Minimum, Maximum:		0.5 1.5	
Density, Unit:		4 YD2	

Purdue Weed Science

Application Equipment			
	A	B	C
Appl. Equipment:	CO2 BACKPACK	CO2 BACKPACK	CO2 BACKPACK
Equipment Type:	BACSPR	BACSPR	BACSPR
Operation Pressure, Unit:	18 PSI	18 PSI	18 PSI
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	XR 11002	XR 11002	XR 11002
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:	17 IN	17 IN	17 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	MEIGS	MEIGS	MEIGS
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

Reps: 4 Plots: 10 by 30 feet
 Spray vol: 15 GAL/AC Mix Size: 1.8 liters (calculated mix size 1.5642)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Growth Stage	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	Untreated Check								101	304	507	705
2	CORVUS	2.63 LB/GAL		SC	4 fl oz/a		A	3.75 ml/mx	102	307	503	805
	AATREX	4 LB/GAL		L	1 qt/a	PRE	A	30.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		C	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V4-V7	CO C	89.99 ml/mx				
3	CORVUS	2.63 LB/GAL		SC	4 fl oz/a		A	3.75 ml/mx	103	402	601	702
	AATREX	4 LB/GAL		L	1 qt/a	PRE	A	30.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		C	30.0 ml/mx				
	DIFLEXX	4.22 LB/GAL		SC	8 fl oz/a		C	7.5 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		C	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V4-V7	CO C	89.99 ml/mx				
4	CORVUS	2.63 LB/GAL		SC	4 fl oz/a		A	3.75 ml/mx	104	306	606	804
	AATREX	4 LB/GAL		L	1 qt/a	PRE	A	30.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		C	30.0 ml/mx				
	DIFLEXX	4.22 LB/GAL		SC	10 fl oz/a		C	9.375 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		C	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V4-V7	CO C	89.99 ml/mx				
5	CORVUS	2.63 LB/GAL		SC	4 fl oz/a		A	3.75 ml/mx	105	403	506	806
	AATREX	4 LB/GAL		L	1 qt/a	PRE	A	30.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		C	30.0 ml/mx				
	LAUDIS	3.5 LB/GAL		L	3 fl oz/a		C	2.812 ml/mx				
	DIFLEXX	4.22 LB/GAL		SC	8 fl oz/a		C	7.5 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		C	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V4-V7	CO C	89.99 ml/mx				
6	CORVUS	2.63 LB/GAL		SC	4 fl oz/a		A	3.75 ml/mx	106	401	608	704
	AATREX	4 LB/GAL		L	1 qt/a	PRE	A	30.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		C	30.0 ml/mx				
	LAUDIS FLEXX	1.62 LB/GAL		SC	32 fl oz/a		C	30.0 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		C	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V4-V7	CO C	89.99 ml/mx				
7	CORVUS	2.63 LB/GAL		SC	4 fl oz/a		A	3.75 ml/mx	107	407	607	706
	AATREX	4 LB/GAL		L	1 qt/a	PRE	A	30.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		C	30.0 ml/mx				
	LAUDIS FLEXX	1.62 LB/GAL		SC	40 fl oz/a		C	37.5 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		C	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V4-V7	CO C	89.99 ml/mx				

Purdue Weed Science

Reps: 4 Plots: 10 by 30 feet
 Spray vol: 15 GAL/AC Mix Size: 1.8 liters (calculated mix size 1.5642)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Unit	Growth Stage	Appl Code	Amt Product to Measure	Rep			
									1	2	3	4
8	CORVUS	2.63 LB/GAL		SC	4 fl oz/a		A	3.75 ml/mx	108	303	501	802
	AATREX	4 LB/GAL		L	1 qt/a	PRE	A	30.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		C	30.0 ml/mx				
	STATUS	61.1 %		WG	3 oz/a		C	2.696 g/mx				
	INTERLOCK	100 %		L	4 fl oz/a		C	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V4-V7 CO	C	89.99 ml/mx				
9	CAPRENO	3.45 LB/GAL		L	3 fl oz/a		B	2.812 ml/mx	201	305	505	807
	AATREX	4 LB/GAL		L	1 pt/a		B	15.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		B	30.0 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		B	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V2-V4 CO	B	89.99 ml/mx				
10	CAPRENO	3.45 LB/GAL		L	3 fl oz/a		B	2.812 ml/mx	202	408	604	801
	AATREX	4 LB/GAL		L	1 pt/a		B	15.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		B	30.0 ml/mx				
	DIFLEXX	4.22 LB/GAL		SC	8 fl oz/a		B	7.5 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		B	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V2-V4 CO	B	89.99 ml/mx				
11	LAUDIS	3.5 LB/GAL		L	3 fl oz/a		B	2.812 ml/mx	203	404	508	701
	AATREX	4 LB/GAL		L	1 pt/a		B	15.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		B	30.0 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		B	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V2-V4 CO	B	89.99 ml/mx				
12	LAUDIS	3.5 LB/GAL		L	3 fl oz/a		B	2.812 ml/mx	204	406	502	708
	AATREX	4 LB/GAL		L	1 pt/a		B	15.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		B	30.0 ml/mx				
	DIFLEXX	4.22 LB/GAL		SC	8 fl oz/a		B	7.5 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		B	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V2-V4 CO	B	89.99 ml/mx				
13	LAUDIS FLEXX	1.62 LB/GAL		SC	32 fl oz/a		B	30.0 ml/mx	205	308	603	803
	AATREX	4 LB/GAL		L	1 pt/a		B	15.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		B	30.0 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		B	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V2-V4 CO	B	89.99 ml/mx				
14	LAUDIS FLEXX	1.62 LB/GAL		SC	40 fl oz/a		B	37.5 ml/mx	206	302	602	808
	AATREX	4 LB/GAL		L	1 pt/a		B	15.0 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	1 qt/a		B	30.0 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		B	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V2-V4 CO	B	89.99 ml/mx				
15	HALEX GT	4.389 LBAE/GAL		L	3.6 pt/a		B	54.0 ml/mx	207	405	504	707
	AATREX	4 LB/GAL		L	1 pt/a		B	15.0 ml/mx				
	ACTIVATOR 90 - NIS	90 %		L	0.25 % v/v		B	4.5 ml/mx				
	INTERLOCK	100 %		L	4 fl oz/a		B	3.75 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	5 % v/v	V2-V4 CO	B	89.99 ml/mx				
16	Untreated Check								208	301	605	703

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
32.812	ml	CORVUS	2.63	SC	
393.749	ml	AATREX	4	L	
487.498	ml	ROUNDUP POWERMAX	4.5	SL	
1,574.829	ml	N-PAK - AMS	3.4	SL	
49.219	ml	DIFLEXX	4.22	SC	
60.937	ml	INTERLOCK	100	L	

Purdue Weed Science

Pest Type			W Weed	W Weed		W Weed	W Weed		
Pest Code			SETFA	AMBTR		SETFA	AMBTR		
Pest Name			Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed		
Crop Code	ZEAMX				ZEAMX			ZEAMX	
Crop Name	Corn				Corn			Corn	
Part Rated	PLOT C	PLOT P	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C	PLOT C
Rating Date	5/17/2015	5/17/2015	5/17/2015	5/17/2015	5/28/2015	5/28/2015	5/28/2015	5/28/2015	6/5/2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	PHYGEN
Rating Unit	%	%	%	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1	1	1	1
Days After First/Last Applic.	15 15	15 15	15 15	15 15	26 6	26 6	26 6	26 6	34 8
Trt-Eval Interval	15 DA-A	15 DA-A	15 DA-A	15 DA-A	0 DA-C	0 DA-C	0 DA-C	0 DA-C	14 DA-B
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1	27 DE-1
ARM Action Codes	P	P	P	P	P	P	P	P	P
Number of Decimals	0	0	0	0	0	0	0	0	0
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code Plot	1	2	3	4	5	6	7
6 CORVUS	4 fl oz/a A	106	0	100	90	0	100	97	0
AATREX	1 qt/a A	401	0	90	90	0	95	85	0
ROUNDUP POWERMAX	1 qt/a C	608	0	100	80	0	100	90	0
LAUDIS FLEXX	32 fl oz/a C	704	0	100	70	0	100	90	0
INTERLOCK	4 fl oz/a C								
N-PAK - AMS	5 % v/v C								
Mean =			0	98	83	0	99	91	0
7 CORVUS	4 fl oz/a A	107	0	100	90	0	100	97	0
AATREX	1 qt/a A	407	0	100	70	0	100	99	0
ROUNDUP POWERMAX	1 qt/a C	607	0	95	90	0	95	95	0
LAUDIS FLEXX	40 fl oz/a C	706	0	100	75	0	100	75	0
INTERLOCK	4 fl oz/a C								
N-PAK - AMS	5 % v/v C								
Mean =			0	99	81	0	99	92	0
8 CORVUS	4 fl oz/a A	108	0	99	95	0	95	95	0
AATREX	1 qt/a A	303	0	100	80	0	100	100	0
ROUNDUP POWERMAX	1 qt/a C	501	0	100	90	0	100	80	0
STATUS	3 oz/a C	802	0	100	95	0	100	97	0
INTERLOCK	4 fl oz/a C								
N-PAK - AMS	5 % v/v C								
Mean =			0	100	90	0	99	93	0
9 CAPRENO	3 fl oz/a B	201	0	0	0	0	100	50	0
AATREX	1 pt/a B	305	0	0	0	0	100	70	0
ROUNDUP POWERMAX	1 qt/a B	505	0	0	0	0	100	70	0
INTERLOCK	4 fl oz/a B	807	0	0	0	0	100	50	0
N-PAK - AMS	5 % v/v B								
Mean =			0	0	0	0	100	60	0
10 CAPRENO	3 fl oz/a B	202	0	0	0	0	100	85	0
AATREX	1 pt/a B	408	0	0	0	1	100	95	0
ROUNDUP POWERMAX	1 qt/a B	604	0	0	0	0	100	95	0
DIFLEXX	8 fl oz/a B	801	0	0	0	0	99	90	0
INTERLOCK	4 fl oz/a B								
N-PAK - AMS	5 % v/v B								
Mean =			0	0	0	0	100	91	0
11 LAUDIS	3 fl oz/a B	203	0	0	0	0	100	70	0
AATREX	1 pt/a B	404	0	0	0	0	100	70	0
ROUNDUP POWERMAX	1 qt/a B	508	0	0	0	0	100	60	0
INTERLOCK	4 fl oz/a B	701	0	0	0	0	90	80	0
N-PAK - AMS	5 % v/v B								
Mean =			0	0	0	0	98	70	0
12 LAUDIS	3 fl oz/a B	204	0	0	0	0	100	85	0
AATREX	1 pt/a B	406	0	0	0	0	100	95	0
ROUNDUP POWERMAX	1 qt/a B	502	0	0	0	0	95	95	0
DIFLEXX	8 fl oz/a B	708	0	0	0	0	100	95	0
INTERLOCK	4 fl oz/a B								
N-PAK - AMS	5 % v/v B								
Mean =			0	0	0	0	99	93	0

Purdue Weed Science

Pest Type		W Weed	W Weed		W Weed	W Weed			
Pest Code		SETFA	AMBTR		SETFA	AMBTR			
Pest Name		Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code	ZEAMX			ZEAMX			ZEAMX		
Crop Name	Corn			Corn			Corn		
Part Rated	PLOT C	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C		
Rating Date	5/17/2015	5/17/2015	5/17/2015	5/28/2015	5/28/2015	5/28/2015	6/5/2015		
Rating Type	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN		
Rating Unit	%	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1	1		
Days After First/Last Applic.	15 15	15 15	15 15	26 6	26 6	26 6	34 8		
Tri-Eval Interval	15 DA-A	15 DA-A	15 DA-A	0 DA-C	0 DA-C	0 DA-C	14 DA-B		
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	19 DE-1	19 DE-1	19 DE-1	27 DE-1		
ARM Action Codes	P	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0	0		
Tri Treatment	Rate	Appl							
No. Name	Rate Unit	Code Plot	1	2	3	4	5	6	7
13 LAUDIS FLEXX	32 fl oz/a B	205	0	0	0	0	100	95	0
AATREX	1 pt/a B	308	0	0	0	0	100	95	0
ROUNDUP POWERMAX	1 qt/a B	603	0	0	0	0	100	95	0
INTERLOCK	4 fl oz/a B	803	0	0	0	0	100	85	0
N-PAK - AMS	5 % v/v B								
	Mean =		0	0	0	0	100	93	0
14 LAUDIS FLEXX	40 fl oz/a B	206	0	0	0	0	100	95	0
AATREX	1 pt/a B	302	0	0	0	0	100	95	0
ROUNDUP POWERMAX	1 qt/a B	602	0	0	0	0	100	100	0
INTERLOCK	4 fl oz/a B	808	0	0	0	0	100	80	0
N-PAK - AMS	5 % v/v B								
	Mean =		0	0	0	0	100	93	0
15 HALEX GT	3.6 pt/a B	207	0	0	0	0	100	70	0
AATREX	1 pt/a B	405	0	0	0	0	95	60	0
ACTIVATOR 90 - NIS	0.25 % v/v B	504	0	0	0	0	100	70	0
INTERLOCK	4 fl oz/a B	707	0	0	0	3	100	50	0
N-PAK - AMS	5 % v/v B								
	Mean =		0	0	0	1	99	63	0
16 Untreated Check		208	0	0	0	0	0	0	0
		301	0	0	0	0	0	0	0
		605	0	0	0	0	0	0	0
		703	0	0	0	0	0	0	0
	Mean =		0	0	0	0	0	0	0

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code			ZEAMX			ZEAMX		
Crop Name			Corn			Corn		
Part Rated								
Rating Date	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C		
Rating Type	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/19/2015		
Rating Unit	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN		
Number of Subsamples	%	%	%	%	%	%		
Days After First/Last Applic.	1	1	1	1	1	1		
Trt-Eval Interval	34 8	34 8	38 12	38 12	38 12	48 22		
Days After Emergence	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	28 DA-B		
ARM Action Codes	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	41 DE-1		
Number of Decimals	P	P	P	P	P	P		
	0	0	0	0	0	0		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code Plot	8	9	10	11	12	13
1 Untreated Check		101	0	0	0	0	0	0
		304	0	0	0	0	0	0
		507	0	0	0	0	0	0
		705	0	0	0	0	0	0
		Mean =	0	0	0	0	0	0
2 CORVUS	4 fl oz/a A	102	100	95	0	100	95	0
AATREX	1 qt/a A	307	100	100	0	100	95	0
ROUNDUP POWERMAX	1 qt/a C	503	100	100	0	100	100	0
N-PAK - AMS	5 % v/v C	805	100	100	0	100	95	0
		Mean =	100	99	0	100	96	0
3 CORVUS	4 fl oz/a A	103	100	95	0	100	95	0
AATREX	1 qt/a A	402	100	100	0	100	100	0
ROUNDUP POWERMAX	1 qt/a C	601	100	100	0	100	95	0
DIFLEXX	8 fl oz/a C	702	100	100	0	100	100	0
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
		Mean =	100	99	0	100	98	0
4 CORVUS	4 fl oz/a A	104	100	95	0	100	95	0
AATREX	1 qt/a A	306	100	100	0	100	95	0
ROUNDUP POWERMAX	1 qt/a C	606	100	100	0	100	95	0
DIFLEXX	10 fl oz/a C	804	100	100	0	100	95	0
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
		Mean =	100	99	0	100	95	0
5 CORVUS	4 fl oz/a A	105	100	100	0	100	95	0
AATREX	1 qt/a A	403	100	100	0	100	95	0
ROUNDUP POWERMAX	1 qt/a C	506	100	100	0	100	95	0
LAUDIS	3 fl oz/a C	806	100	100	0	100	95	0
DIFLEXX	8 fl oz/a C							
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
		Mean =	100	100	0	100	95	0

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code			ZEAMX			ZEAMX		
Crop Name			Corn			Corn		
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C		
Rating Date	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/19/2015		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Days After First/Last Applic.	34 8	34 8	38 12	38 12	38 12	48 22		
Trt-Eval Interval	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	28 DA-B		
Days After Emergence	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	41 DE-1		
ARM Action Codes	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code Plot	8	9	10	11	12	13
6 CORVUS	4 fl oz/a A	106	100	100	0	100	100	0
AATREX	1 qt/a A	401	100	100	0	100	95	0
ROUNDUP POWERMAX	1 qt/a C	608	100	100	0	100	90	0
LAUDIS FLEXX	32 fl oz/a C	704	100	95	0	100	95	0
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
	Mean =		100	99	0	100	95	0
7 CORVUS	4 fl oz/a A	107	100	100	0	100	100	0
AATREX	1 qt/a A	407	100	100	0	100	95	0
ROUNDUP POWERMAX	1 qt/a C	607	100	100	0	100	95	0
LAUDIS FLEXX	40 fl oz/a C	706	100	100	0	100	100	0
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
	Mean =		100	100	0	100	98	0
8 CORVUS	4 fl oz/a A	108	100	95	0	100	100	0
AATREX	1 qt/a A	303	100	100	0	100	95	0
ROUNDUP POWERMAX	1 qt/a C	501	100	95	0	100	100	0
STATUS	3 oz/a C	802	100	100	0	100	95	0
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
	Mean =		100	98	0	100	98	0
9 CAPRENO	3 fl oz/a B	201	100	95	0	100	90	0
AATREX	1 pt/a B	305	100	100	0	100	90	0
ROUNDUP POWERMAX	1 qt/a B	505	100	100	0	100	95	0
INTERLOCK	4 fl oz/a B	807	95	90	0	95	90	0
N-PAK - AMS	5 % v/v B							
	Mean =		99	96	0	99	91	0
10 CAPRENO	3 fl oz/a B	202	100	100	0	100	100	0
AATREX	1 pt/a B	408	100	100	0	100	95	0
ROUNDUP POWERMAX	1 qt/a B	604	100	100	0	100	95	0
DIFLEXX	8 fl oz/a B	801	100	100	0	100	90	0
INTERLOCK	4 fl oz/a B							
N-PAK - AMS	5 % v/v B							
	Mean =		100	100	0	100	95	0
11 LAUDIS	3 fl oz/a B	203	100	95	0	100	90	0
AATREX	1 pt/a B	404	100	95	0	100	80	0
ROUNDUP POWERMAX	1 qt/a B	508	100	100	0	95	90	0
INTERLOCK	4 fl oz/a B	701	100	90	0	100	80	0
N-PAK - AMS	5 % v/v B							
	Mean =		100	95	0	99	85	0
12 LAUDIS	3 fl oz/a B	204	100	100	0	100	95	0
AATREX	1 pt/a B	406	100	100	0	100	90	0
ROUNDUP POWERMAX	1 qt/a B	502	100	100	0	100	100	0
DIFLEXX	8 fl oz/a B	708	100	100	0	100	90	0
INTERLOCK	4 fl oz/a B							
N-PAK - AMS	5 % v/v B							
	Mean =		100	100	0	100	94	0

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code			ZEAMX			ZEAMX		
Crop Name			Corn			Corn		
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C		
Rating Date	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/19/2015		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Days After First/Last Applic.	34 8	34 8	38 12	38 12	38 12	48 22		
Trt-Eval Interval	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	28 DA-B		
Days After Emergence	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	41 DE-1		
ARM Action Codes	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code Plot	8	9	10	11	12	13
13 LAUDIS FLEXX	32 fl oz/a B	205	100	95	0	95	90	0
AATREX	1 pt/a B	308	100	100	0	95	95	0
ROUNDUP POWERMAX	1 qt/a B	603	100	100	0	100	95	0
INTERLOCK	4 fl oz/a B	803	100	100	0	100	95	0
N-PAK - AMS	5 % v/v B							
	Mean =		100	99	0	98	94	0
14 LAUDIS FLEXX	40 fl oz/a B	206	100	100	0	100	100	0
AATREX	1 pt/a B	302	100	100	0	95	100	0
ROUNDUP POWERMAX	1 qt/a B	602	100	100	0	100	100	0
INTERLOCK	4 fl oz/a B	808	100	100	0	95	95	0
N-PAK - AMS	5 % v/v B							
	Mean =		100	100	0	98	99	0
15 HALEX GT	3.6 pt/a B	207	100	100	0	100	95	0
AATREX	1 pt/a B	405	100	100	0	100	95	0
ACTIVATOR 90 - NIS	0.25 % v/v B	504	100	100	0	100	95	0
INTERLOCK	4 fl oz/a B	707	100	95	0	100	90	0
N-PAK - AMS	5 % v/v B							
	Mean =		100	99	0	100	94	0
16 Untreated Check		208	0	0	0	0	0	0
		301	0	0	0	0	0	0
		605	0	0	0	0	0	0
		703	0	0	0	0	0	0
	Mean =		0	0	0	0	0	0

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code			ZEAMX			ZEAMX		
Crop Name			Corn			Corn		
Part Rated								
Rating Date	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C		
Rating Type	6/19/2015	6/19/2015	6/23/2015	6/23/2015	6/23/2015	9/24/2015		
Rating Unit	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	YIELD		
Number of Subsamples	%	%	%	%	%	lb/plot		
Days After First/Last Applic.	1	1	1	1	1	1		
Trt-Eval Interval	48 22	48 22	52 26	52 26	52 26	145 119		
Days After Emergence	28 DA-B	28 DA-B	26 DA-C	26 DA-C	26 DA-C			
ARM Action Codes	41 DE-1	41 DE-1	45 DE-1	45 DE-1	45 DE-1	138 DE-1		
Number of Decimals	P	P	P	P	P			
	0	0	0	0	0	2		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code Plot	14	15	16	17	18	19
1 Untreated Check		101	0	0	0	0	0	32.35
		304	0	0	0	0	0	18.64
		507	0	0	0	0	0	5.10
		705	0	0	0	0	0	36.97
		Mean =	0	0	0	0	0	23.27
2 CORVUS	4 fl oz/a A	102	100	90	0	95	95	40.09
AATREX	1 qt/a A	307	100	85	0	100	95	39.55
ROUNDUP POWERMAX	1 qt/a C	503	100	95	0	100	95	40.04
N-PAK - AMS	5 % v/v C	805	100	70	0	100	90	41.17
		Mean =	100	85	0	99	94	40.21
3 CORVUS	4 fl oz/a A	103	95	95	0	95	95	41.06
AATREX	1 qt/a A	402	100	90	0	95	95	38.16
ROUNDUP POWERMAX	1 qt/a C	601	100	90	0	100	95	29.88
DIFLEXX	8 fl oz/a C	702	95	95	0	95	95	44.61
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
		Mean =	98	93	0	96	95	38.42
4 CORVUS	4 fl oz/a A	104	90	90	0	95	95	41.38
AATREX	1 qt/a A	306	100	90	0	95	100	39.55
ROUNDUP POWERMAX	1 qt/a C	606	100	80	0	100	90	34.07
DIFLEXX	10 fl oz/a C	804	100	80	0	95	90	39.02
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
		Mean =	98	85	0	96	94	38.50
5 CORVUS	4 fl oz/a A	105	100	100	0	95	95	43.37
AATREX	1 qt/a A	403	100	90	0	100	95	37.03
ROUNDUP POWERMAX	1 qt/a C	506	100	90	0	100	95	41.76
LAUDIS	3 fl oz/a C	806	100	95	0	95	95	44.61
DIFLEXX	8 fl oz/a C							
INTERLOCK	4 fl oz/a C							
N-PAK - AMS	5 % v/v C							
		Mean =	100	94	0	98	95	41.69

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code			ZEAMX			ZEAMX		
Crop Name			Corn			Corn		
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C		
Rating Date	6/19/2015	6/19/2015	6/23/2015	6/23/2015	6/23/2015	9/24/2015		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	YIELD		
Rating Unit	%	%	%	%	%	lb/plot		
Number of Subsamples	1	1	1	1	1	1		
Days After First/Last Applic.	48 22	48 22	52 26	52 26	52 26	145 119		
Trt-Eval Interval	28 DA-B	28 DA-B	26 DA-C	26 DA-C	26 DA-C			
Days After Emergence	41 DE-1	41 DE-1	45 DE-1	45 DE-1	45 DE-1	138 DE-1		
ARM Action Codes	P	P	P	P	P			
Number of Decimals	0	0	0	0	0	2		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code Plot	14	15	16	17	18	19
6 CORVUS	4 fl oz/a	A 106	100	95	0	95	100	39.98
AATREX	1 qt/a	A 401	100	90	0	95	95	35.90
ROUNDUP POWERMAX	1 qt/a	C 608	100	90	0	95	95	34.50
LAUDIS FLEXX	32 fl oz/a	C 704	95	80	0	100	85	44.18
INTERLOCK	4 fl oz/a	C						
N-PAK - AMS	5 % v/v	C						
	Mean =		99	89	0	96	94	38.64
7 CORVUS	4 fl oz/a	A 107	100	90	0	100	100	40.25
AATREX	1 qt/a	A 407	100	90	0	100	90	36.76
ROUNDUP POWERMAX	1 qt/a	C 607	100	90	0	100	95	33.64
LAUDIS FLEXX	40 fl oz/a	C 706	100	90	0	100	95	40.36
INTERLOCK	4 fl oz/a	C						
N-PAK - AMS	5 % v/v	C						
	Mean =		100	90	0	100	95	37.75
8 CORVUS	4 fl oz/a	A 108	95	75	0	95	95	40.63
AATREX	1 qt/a	A 303	95	80	0	100	95	41.11
ROUNDUP POWERMAX	1 qt/a	C 501	100	80	0	100	95	41.81
STATUS	3 oz/a	C 802	95	80	0	95	95	42.19
INTERLOCK	4 fl oz/a	C						
N-PAK - AMS	5 % v/v	C						
	Mean =		96	79	0	98	95	41.43
9 CAPRENO	3 fl oz/a	B 201	100	65	0	100	90	35.58
AATREX	1 pt/a	B 305	85	70	0	95	90	39.23
ROUNDUP POWERMAX	1 qt/a	B 505	100	75	0	100	95	45.09
INTERLOCK	4 fl oz/a	B 807	90	70	0	90	90	42.62
N-PAK - AMS	5 % v/v	B						
	Mean =		94	70	0	96	91	40.63
10 CAPRENO	3 fl oz/a	B 202	90	85	0	95	95	41.81
AATREX	1 pt/a	B 408	100	80	0	95	80	32.14
ROUNDUP POWERMAX	1 qt/a	B 604	100	80	0	100	95	32.94
DIFLEXX	8 fl oz/a	B 801	100	80	0	100	85	41.00
INTERLOCK	4 fl oz/a	B						
N-PAK - AMS	5 % v/v	B						
	Mean =		98	81	0	98	89	36.97
11 LAUDIS	3 fl oz/a	B 203	95	75	0	95	90	42.67
AATREX	1 pt/a	B 404	75	65	0	95	85	37.99
ROUNDUP POWERMAX	1 qt/a	B 508	75	75	0	90	90	35.25
INTERLOCK	4 fl oz/a	B 701	65	60	0	70	90	45.90
N-PAK - AMS	5 % v/v	B						
	Mean =		78	69	0	88	89	40.45
12 LAUDIS	3 fl oz/a	B 204	90	95	0	95	95	40.63
AATREX	1 pt/a	B 406	85	80	0	85	95	36.27
ROUNDUP POWERMAX	1 qt/a	B 502	80	95	0	85	100	45.30
DIFLEXX	8 fl oz/a	B 708	90	85	0	90	90	40.31
INTERLOCK	4 fl oz/a	B						
N-PAK - AMS	5 % v/v	B						
	Mean =		86	89	0	89	95	40.63

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code			ZEAMX			ZEAMX		
Crop Name			Corn			Corn		
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C		
Rating Date	6/19/2015	6/19/2015	6/23/2015	6/23/2015	6/23/2015	9/24/2015		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	YIELD		
Rating Unit	%	%	%	%	%	lb/plot		
Number of Subsamples	1	1	1	1	1	1		
Days After First/Last Applic.	48 22	48 22	52 26	52 26	52 26	145 119		
Trt-Eval Interval	28 DA-B	28 DA-B	26 DA-C	26 DA-C	26 DA-C			
Days After Emergence	41 DE-1	41 DE-1	45 DE-1	45 DE-1	45 DE-1	138 DE-1		
ARM Action Codes	P	P	P	P	P			
Number of Decimals	0	0	0	0	0	2		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code Plot	14	15	16	17	18	19
13 LAUDIS FLEXX	32 fl oz/a B	205	85	80	0	90	95	44.93
AATREX	1 pt/a B	308	80	70	0	90	90	36.81
ROUNDUP POWERMAX	1 qt/a B	603	100	75	0	90	90	30.74
INTERLOCK	4 fl oz/a B	803	90	85	0	90	90	41.81
N-PAK - AMS	5 % v/v B							
	Mean =		89	78	0	90	91	38.57
14 LAUDIS FLEXX	40 fl oz/a B	206	80	95	0	90	95	41.65
AATREX	1 pt/a B	302	75	80	0	90	95	38.37
ROUNDUP POWERMAX	1 qt/a B	602	90	90	0	95	95	33.10
INTERLOCK	4 fl oz/a B	808	80	85	0	85	95	40.74
N-PAK - AMS	5 % v/v B							
	Mean =		81	88	0	90	95	38.46
15 HALEX GT	3.6 pt/a B	207	100	90	0	100	95	42.62
AATREX	1 pt/a B	405	95	85	0	100	95	35.95
ACTIVATOR 90 - NIS	0.25 % v/v B	504	100	90	0	100	95	45.95
INTERLOCK	4 fl oz/a B	707	90	75	0	100	85	42.51
N-PAK - AMS	5 % v/v B							
	Mean =		96	85	0	100	93	41.76
16 Untreated Check		208	0	0	0	0	0	27.51
		301	0	0	0	0	0	5.15
		605	0	0	0	0	0	25.26
		703	0	0	0	0	0	28.96
	Mean =		0	0	0	0	0	21.72

Purdue Weed Science

Pest Type				
Pest Code				
Pest Name				
Crop Code		ZEAMX	ZEAMX	
Crop Name		Corn	Corn	
Part Rated		PLOT C	PLOT C	
Rating Date		9/24/2015	9/24/2015	
Rating Type		MOICON	YIELD	
Rating Unit		%	BU	
Number of Subsamples		1	1	
Days After First/Last Applic.		145 119	145 119	
Trt-Eval Interval				
Days After Emergence		138 DE-1	138 DE-1	
ARM Action Codes			TY2	
Number of Decimals		2	1	
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	20	21
1 Untreated Check		101	17.74	196.0
		304	19.33	110.8
		507	15.64	31.7
		705	20.03	217.7
		Mean =	18.19	139.0
2 CORVUS	4 fl oz/a A	102	17.24	244.3
AATREX	1 qt/a A	307	20.00	233.0
ROUNDUP POWERMAX	1 qt/a C	503	19.04	238.7
N-PAK - AMS	5 % v/v C	805	20.56	240.8
		Mean =	19.21	239.2
3 CORVUS	4 fl oz/a A	103	15.31	256.1
AATREX	1 qt/a A	402	18.98	227.7
ROUNDUP POWERMAX	1 qt/a C	601	20.28	175.4
DIFLEXX	8 fl oz/a C	702	20.60	260.8
INTERLOCK	4 fl oz/a C			
N-PAK - AMS	5 % v/v C			
		Mean =	18.79	230.0
4 CORVUS	4 fl oz/a A	104	15.89	256.3
AATREX	1 qt/a A	306	19.38	234.8
ROUNDUP POWERMAX	1 qt/a C	606	19.38	202.3
DIFLEXX	10 fl oz/a C	804	19.79	230.5
INTERLOCK	4 fl oz/a C			
N-PAK - AMS	5 % v/v C			
		Mean =	18.61	231.0
5 CORVUS	4 fl oz/a A	105	16.48	266.7
AATREX	1 qt/a A	403	19.04	220.8
ROUNDUP POWERMAX	1 qt/a C	506	18.71	250.0
LAUDIS	3 fl oz/a C	806	20.43	261.4
DIFLEXX	8 fl oz/a C			
INTERLOCK	4 fl oz/a C			
N-PAK - AMS	5 % v/v C			
		Mean =	18.67	249.7

Purdue Weed Science

Pest Type					
Pest Code					
Pest Name					
Crop Code		ZEAMX	ZEAMX		
Crop Name		Corn	Corn		
Part Rated		PLOT C	PLOT C		
Rating Date		9/24/2015	9/24/2015		
Rating Type		MOICON	YIELD		
Rating Unit		%	BU		
Number of Subsamples		1	1		
Days After First/Last Applic.		145 119	145 119		
Trt-Eval Interval					
Days After Emergence		138 DE-1	138 DE-1		
ARM Action Codes			TY2		
Number of Decimals		2	1		
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot	20	21	
6 CORVUS	4 fl oz/a	A 106	16.76	245.1	
AATREX	1 qt/a	A 401	19.05	214.0	
ROUNDUP POWERMAX	1 qt/a	C 608	19.48	204.6	
LAUDIS FLEXX	32 fl oz/a	C 704	19.72	261.2	
INTERLOCK	4 fl oz/a	C			
N-PAK - AMS	5 % v/v	C			
	Mean =		18.75	231.2	
7 CORVUS	4 fl oz/a	A 107	16.64	247.1	
AATREX	1 qt/a	A 407	17.77	222.6	
ROUNDUP POWERMAX	1 qt/a	C 607	19.21	200.2	
LAUDIS FLEXX	40 fl oz/a	C 706	19.89	238.1	
INTERLOCK	4 fl oz/a	C			
N-PAK - AMS	5 % v/v	C			
	Mean =		18.38	227.0	
8 CORVUS	4 fl oz/a	A 108	16.98	248.4	
AATREX	1 qt/a	A 303	19.29	244.4	
ROUNDUP POWERMAX	1 qt/a	C 501	19.13	249.0	
STATUS	3 oz/a	C 802	20.31	247.6	
INTERLOCK	4 fl oz/a	C			
N-PAK - AMS	5 % v/v	C			
	Mean =		18.93	247.3	
9 CAPRENO	3 fl oz/a	B 201	18.98	212.3	
AATREX	1 pt/a	B 305	19.68	232.1	
ROUNDUP POWERMAX	1 qt/a	B 505	19.43	267.5	
INTERLOCK	4 fl oz/a	B 807	20.62	249.1	
N-PAK - AMS	5 % v/v	B			
	Mean =		19.68	240.2	
10 CAPRENO	3 fl oz/a	B 202	19.57	247.6	
AATREX	1 pt/a	B 408	19.40	190.7	
ROUNDUP POWERMAX	1 qt/a	B 604	19.88	194.4	
DIFLEXX	8 fl oz/a	B 801	21.25	237.8	
INTERLOCK	4 fl oz/a	B			
N-PAK - AMS	5 % v/v	B			
	Mean =		20.03	217.6	
11 LAUDIS	3 fl oz/a	B 203	18.36	256.5	
AATREX	1 pt/a	B 404	18.40	228.3	
ROUNDUP POWERMAX	1 qt/a	B 508	19.63	208.6	
INTERLOCK	4 fl oz/a	B 701	20.34	269.2	
N-PAK - AMS	5 % v/v	B			
	Mean =		19.18	240.7	
12 LAUDIS	3 fl oz/a	B 204	18.18	244.8	
AATREX	1 pt/a	B 406	17.52	220.3	
ROUNDUP POWERMAX	1 qt/a	B 502	19.29	269.3	
DIFLEXX	8 fl oz/a	B 708	20.12	237.1	
INTERLOCK	4 fl oz/a	B			
N-PAK - AMS	5 % v/v	B			
	Mean =		18.78	242.9	

Purdue Weed Science

Pest Type					
Pest Code					
Pest Name					
Crop Code		ZEAMX		ZEAMX	
Crop Name		Corn		Corn	
Part Rated		PLOT C		PLOT C	
Rating Date		9/24/2015		9/24/2015	
Rating Type		MOICON		YIELD	
Rating Unit		%		BU	
Number of Subsamples		1		1	
Days After First/Last Applic.		145 119		145 119	
Trt-Eval Interval					
Days After Emergence		138 DE-1		138 DE-1	
ARM Action Codes				TY2	
Number of Decimals		2		1	
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot	20	21	
13 LAUDIS FLEXX	32 fl oz/a B	205	18.48	269.7	
AATREX	1 pt/a B	308	19.33	218.7	
ROUNDUP POWERMAX	1 qt/a B	603	19.57	182.1	
INTERLOCK	4 fl oz/a B	803	20.03	246.2	
N-PAK - AMS	5 % v/v B				
	Mean =		19.35	229.2	
14 LAUDIS FLEXX	40 fl oz/a B	206	19.01	248.4	
AATREX	1 pt/a B	302	19.59	227.2	
ROUNDUP POWERMAX	1 qt/a B	602	20.40	194.0	
INTERLOCK	4 fl oz/a B	808	21.24	236.3	
N-PAK - AMS	5 % v/v B				
	Mean =		20.06	226.5	
15 HALEX GT	3.6 pt/a B	207	19.42	252.9	
AATREX	1 pt/a B	405	18.92	214.7	
ACTIVATOR 90 - NIS	0.25 % v/v B	504	19.41	272.7	
INTERLOCK	4 fl oz/a B	707	19.98	250.5	
N-PAK - AMS	5 % v/v B				
	Mean =		19.43	247.7	
16 Untreated Check		208	19.50	163.1	
		301	19.52	30.5	
		605	19.76	149.2	
		703	19.38	172.0	
	Mean =		19.54	128.7	

Purdue Weed Science

Northern Univ Demos- DiFlexx, Laudis Flexx

Trial ID: 15S-THP-CTC-03
 Protocol ID: 15S-THP-CTC-03
 Project ID: HP15USABLFUEF1

Location: TPAC Trial Year: 2015
 Investigator: Dr. Bill Johnson
 Study Director: Joe Ikley
 Sponsor Contact: Bayer - Alan Kurtz

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

Pest Code
 SETFA, Setaria faberi, = US
 AMBTR, Ambrosia trifida, = US

Crop Code
 ZEAMX, BCOR, Zea mays, = US

Part Rated
 PLOT = plot
 C = Crop is Part Rated
 P = Pest is Part Rated

Rating Type
 PHYGEN = phytotoxicity - general / injury
 CONTRO = control / burndown or knockdown
 YIELD = yield
 MOICON = moisture content

Rating Unit
 % = percent
 lb/plot = pounds per plot
 BU = bushel

ARM Action Codes
 P = Rating scale of 0 to 100 (e.g. % control or injury)
 $TY2 = 6.222857 * [19] * (100 - [20]) / 84.5$

Pest Type		W Weed	W Weed		W Weed	W Weed				
Pest Code		SETFA	AMBTR		SETFA	AMBTR				
Pest Name		Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed				
Crop Code	ZEAMX			ZEAMX			ZEAMX			
Crop Name	Corn			Corn			Corn			
Part Rated	PLOT C	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C			
Rating Date	5/17/2015	5/17/2015	5/17/2015	5/28/2015	5/28/2015	5/28/2015	6/5/2015			
Rating Type	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Days After First/Last Applic.	15 15	15 15	15 15	26 6	26 6	26 6	34 8			
Trt-Eval Interval	15 DA-A	15 DA-A	15 DA-A	0 DA-C	0 DA-C	0 DA-C	14 DA-B			
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	19 DE-1	19 DE-1	19 DE-1	27 DE-1			
ARM Action Codes	P	P	P	P	P	P	P			
Number of Decimals	0	0	0	0	0	0	0			
Trt No.	Treatment Name	Rate	Appl Code	1	2	3	4	5	6	7
1	Untreated Check			0 a	0 c	0 e	0 a	0 c	0 c	0 a
2	CORVUS	4 fl oz/a	A	0 a	99 ab	89 abc	0 a	99 ab	94 a	0 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	N-PAK - AMS	5 % v/v	C							
3	CORVUS	4 fl oz/a	A	0 a	100 a	92 a	0 a	100 ab	95 a	0 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	DIFLEXX	8 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
4	CORVUS	4 fl oz/a	A	0 a	98 ab	88 abc	0 a	95 b	95 a	0 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	DIFLEXX	10 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
5	CORVUS	4 fl oz/a	A	0 a	99 ab	79 d	0 a	98 ab	86 a	0 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	LAUDIS	3 fl oz/a	C							
	DIFLEXX	8 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							

Purdue Weed Science

Pest Type		W Weed	W Weed		W Weed	W Weed				
Pest Code		SETFA	AMBTR		SETFA	AMBTR				
Pest Name		Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed				
Crop Code	ZEAMX			ZEAMX			ZEAMX			
Crop Name	Corn			Corn			Corn			
Part Rated	PLOT C	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C	PLOT C		
Rating Date	5/17/2015	5/17/2015	5/17/2015	5/28/2015	5/28/2015	5/28/2015	5/28/2015	6/5/2015		
Rating Type	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	PHYGEN		
Rating Unit	%	%	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1	1	1		
Days After First/Last Applic.	15 15	15 15	15 15	26 6	26 6	26 6	26 6	34 8		
Trt-Eval Interval	15 DA-A	15 DA-A	15 DA-A	0 DA-C	0 DA-C	0 DA-C	0 DA-C	14 DA-B		
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1	27 DE-1		
ARM Action Codes	P	P	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0	0	0		
Trt No.	Treatment Name	Rate	Appl	1	2	3	4	5	6	7
6	CORVUS	4 fl oz/a	A	0 a	98 b	83 bcd	0 a	99 ab	91 a	0 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	LAUDIS FLEXX	32 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
7	CORVUS	4 fl oz/a	A	0 a	99 ab	81 cd	0 a	99 ab	92 a	0 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	LAUDIS FLEXX	40 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
8	CORVUS	4 fl oz/a	A	0 a	100 ab	90 ab	0 a	99 ab	93 a	0 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	STATUS	3 oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
9	CAPRENO	3 fl oz/a	B	0 a	0 c	0 e	0 a	100 a	60 b	0 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
10	CAPRENO	3 fl oz/a	B	0 a	0 c	0 e	0 a	100 ab	91 a	0 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	DIFLEXX	8 fl oz/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
11	LAUDIS	3 fl oz/a	B	0 a	0 c	0 e	0 a	98 ab	70 b	0 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
12	LAUDIS	3 fl oz/a	B	0 a	0 c	0 e	0 a	99 ab	93 a	0 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	DIFLEXX	8 fl oz/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
13	LAUDIS FLEXX	32 fl oz/a	B	0 a	0 c	0 e	0 a	100 a	93 a	0 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
14	LAUDIS FLEXX	40 fl oz/a	B	0 a	0 c	0 e	0 a	100 a	93 a	0 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							

Purdue Weed Science

Pest Type Pest Code Pest Name	W Weed SETFA Giant foxtail		W Weed AMBTR Giant ragweed		W Weed SETFA Giant foxtail		W Weed AMBTR Giant ragweed							
	ZEAMX Corn PLOT C	PLOT P 5/17/2015 PHYGEN %	PLOT P 5/17/2015 CONTRO %	PLOT P 5/17/2015 CONTRO %	ZEAMX Corn PLOT C	PLOT P 5/28/2015 CONTRO %	PLOT P 5/28/2015 CONTRO %	PLOT P 6/5/2015 PHYGEN %						
Crop Code	ZEAMX				ZEAMX			ZEAMX						
Crop Name	Corn				Corn			Corn						
Part Rated	PLOT C	PLOT P	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C						
Rating Date	5/17/2015	5/17/2015	5/17/2015	5/17/2015	5/28/2015	5/28/2015	5/28/2015	6/5/2015						
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN						
Rating Unit	%	%	%	%	%	%	%	%						
Number of Subsamples	1	1	1	1	1	1	1	1						
Days After First/Last Applic.	15 15	15 15	15 15	26 6	26 6	26 6	34 8							
Trt-Eval Interval	15 DA-A	15 DA-A	15 DA-A	0 DA-C	0 DA-C	0 DA-C	14 DA-B							
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	19 DE-1	19 DE-1	19 DE-1	27 DE-1							
ARM Action Codes	P	P	P	P	P	P	P	P						
Number of Decimals	0	0	0	0	0	0	0	0						
Trt No.	1		2		3		4		5		6		7	
Treatment Name	15 HALEX GT		AATREX		ACTIVATOR 90 - NIS		INTERLOCK		N-PAK - AMS		16 Untreated Check			
Rate	3.6 pt/a		1 pt/a		0.25 % v/v		4 fl oz/a		5 % v/v					
Appl Code	B		B		B		B		B					
Mean	0 a		0 c		0 e		1 a		99 ab		63 b		0 a	
LSD P=.05	.		2.4		8.6		0.6		4.8		11.7		.	
Standard Deviation	0.0		1.7		6.1		0.4		3.3		8.2		0.0	
CV	0.0		3.98		16.15		636.66		3.87		10.86		0.0	
Bartlett's X2	0.0		11.881		6.076		3.033		33.354		15.225		0.0	
P(Bartlett's X2)	.		0.036*		0.415		0.082		0.001*		0.293		.	
Skewness	.		0.2611		0.3149		7.0393*		-2.2847*		-1.6491*		.	
Kurtosis	.		-1.9912*		-1.8956*		51.6923*		3.3893*		1.4891*		.	
Replicate F	0.000		0.549		1.087		0.789		0.636		1.199		0.000	
Replicate Prob(F)	1.0000		0.6512		0.3643		0.5061		0.5958		0.3209		1.0000	
Treatment F	0.000		3469.071		211.414		0.947		407.916		59.440		0.000	
Treatment Prob(F)	1.0000		0.0001		0.0001		0.5222		0.0001		0.0001		1.0000	

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed		W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR		SETFA			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed		Giant foxtail			
Crop Code			ZEAMX			ZEAMX				
Crop Name			Corn			Corn				
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C	PLOT P			
Rating Date	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/19/2015	6/19/2015			
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Days After First/Last Applic.	34 8	34 8	38 12	38 12	38 12	48 22	48 22			
Trt-Eval Interval	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	28 DA-B	28 DA-B			
Days After Emergence	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	41 DE-1	41 DE-1			
ARM Action Codes	P	P	P	P	P	P	P			
Number of Decimals	0	0	0	0	0	0	0			
Trt No.	Treatment Name	Rate	Appl	8	9	10	11	12	13	14
		Rate Unit	Code							
1	Untreated Check			0 c	0 d	0 a	0 c	0 e	0 a	0 f
2	CORVUS AATREX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 5 % v/v	A A C C	100 a	99 ab	0 a	100 a	96 ab	0 a	100 a
3	CORVUS AATREX ROUNDUP POWERMAX DIFLEXX INTERLOCK N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 8 fl oz/a 4 fl oz/a 5 % v/v	A A C C C C	100 a	99 ab	0 a	100 a	98 ab	0 a	98 a
4	CORVUS AATREX ROUNDUP POWERMAX DIFLEXX INTERLOCK N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 10 fl oz/a 4 fl oz/a 5 % v/v	A A C C C C	100 a	99 ab	0 a	100 a	95 abc	0 a	98 a
5	CORVUS AATREX ROUNDUP POWERMAX LAUDIS DIFLEXX INTERLOCK N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 3 fl oz/a 8 fl oz/a 4 fl oz/a 5 % v/v	A A C C C C C	100 a	100 a	0 a	100 a	95 abc	0 a	100 a

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed		W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR		SETFA			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed		Giant foxtail			
Crop Code			ZEAMX			ZEAMX				
Crop Name			Corn			Corn				
Part Rated										
Rating Date	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C	PLOT P			
Rating Type	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/19/2015	6/19/2015			
Rating Unit	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO			
Number of Subsamples	%	%	%	%	%	%	%			
Days After First/Last Applic.	1	1	1	1	1	1	1			
Trt-Eval Interval	34 8	34 8	38 12	38 12	38 12	48 22	48 22			
Days After Emergence	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	28 DA-B	28 DA-B			
ARM Action Codes	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	41 DE-1	41 DE-1			
Number of Decimals	P	P	P	P	P	P	P			
	0	0	0	0	0	0	0			
Trt No.	Treatment Name	Rate	Appl Code	8	9	10	11	12	13	14
6	CORVUS	4 fl oz/a	A	100 a	99 ab	0 a	100 a	95 abc	0 a	99 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	LAUDIS FLEXX	32 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
7	CORVUS	4 fl oz/a	A	100 a	100 a	0 a	100 a	98 ab	0 a	100 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	LAUDIS FLEXX	40 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
8	CORVUS	4 fl oz/a	A	100 a	98 abc	0 a	100 a	98 ab	0 a	96 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	STATUS	3 oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
9	CAPRENO	3 fl oz/a	B	99 b	96 bc	0 a	99 ab	91 c	0 a	94 ab
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
10	CAPRENO	3 fl oz/a	B	100 a	100 a	0 a	100 a	95 abc	0 a	98 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	DIFLEXX	8 fl oz/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
11	LAUDIS	3 fl oz/a	B	100 a	95 c	0 a	99 ab	85 d	0 a	78 e
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
12	LAUDIS	3 fl oz/a	B	100 a	100 a	0 a	100 a	94 bc	0 a	86 cd
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	DIFLEXX	8 fl oz/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
13	LAUDIS FLEXX	32 fl oz/a	B	100 a	99 ab	0 a	98 b	94 bc	0 a	89 bc
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
14	LAUDIS FLEXX	40 fl oz/a	B	100 a	100 a	0 a	98 b	99 a	0 a	81 de
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed		W Weed
Pest Code	SETFA	AMBTR		SETFA	AMBTR		SETFA
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed		Giant foxtail
Crop Code			ZEAMX			ZEAMX	
Crop Name			Corn			Corn	
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT C	PLOT P
Rating Date	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/19/2015	6/19/2015
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1	1
Days After First/Last Applic.	34 8	34 8	38 12	38 12	38 12	48 22	48 22
Trt-Eval Interval	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	28 DA-B	28 DA-B
Days After Emergence	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	41 DE-1	41 DE-1
ARM Action Codes	P	P	P	P	P	P	P
Number of Decimals	0	0	0	0	0	0	0
Trt No.	8	9	10	11	12	13	14
Treatment Name							
Rate							
Unit							
Code							
15 HALEX GT	3.6 pt/a						
AATREX	1 pt/a						
ACTIVATOR 90 - NIS	0.25 % v/v						
INTERLOCK	4 fl oz/a						
N-PAK - AMS	5 % v/v						
16 Untreated Check							
LSD P=.05	0.9	3.1	.	2.0	4.1	.	7.4
Standard Deviation	0.6	2.2	0.0	1.4	2.9	0.0	5.2
CV	0.71	2.49	0.0	1.59	3.5	0.0	6.3
Bartlett's X2	0.0	3.368	0.0	0.121	6.045	0.0	14.284
P(Bartlett's X2)	.	0.909	.	0.989	0.87	.	0.16
Skewness	-2.321*	-2.298*	.	-2.3139*	-2.2497*	.	-2.0596*
Kurtosis	3.4985*	3.4344*	.	3.4787*	3.2995*	.	2.7304*
Replicate F	1.000	3.462	0.000	0.273	2.355	0.000	1.657
Replicate Prob(F)	0.4016	0.0239	1.0000	0.8447	0.0845	1.0000	0.1897
Treatment F	11926.335	983.499	0.000	2419.146	502.265	0.000	160.656
Treatment Prob(F)	0.0001	0.0001	1.0000	0.0001	0.0001	1.0000	0.0001

Purdue Weed Science

Pest Type	W Weed		W Weed	W Weed						
Pest Code	AMBTR		SETFA	AMBTR						
Pest Name	Giant ragweed		Giant foxtail	Giant ragweed						
Crop Code		ZEAMX			ZEAMX	ZEAMX	ZEAMX			
Crop Name		Corn			Corn	Corn	Corn			
Part Rated										
Rating Date	6/19/2015	6/23/2015	6/23/2015	6/23/2015	9/24/2015	9/24/2015	9/24/2015			
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO	YIELD	MOICON	YIELD			
Rating Unit	%	%	%	%	lb/plot	%	BU			
Number of Subsamples	1	1	1	1	1	1	1			
Days After First/Last Applic.	48 22	52 26	52 26	52 26	145 119	145 119	145 119			
Trt-Eval Interval	28 DA-B	26 DA-C	26 DA-C	26 DA-C						
Days After Emergence	41 DE-1	45 DE-1	45 DE-1	45 DE-1	138 DE-1	138 DE-1	138 DE-1			
ARM Action Codes	P	P	P	P			TY2			
Number of Decimals	0	0	0	0	2	2	1			
Trt No.	Treatment Name	Rate	Appl							
		Rate Unit	Code	15	16	17	18	19	20	21
1	Untreated Check	0 g		0 a	0 a	0 c	0 c	23.27 b	18.19 a	139.0 b
2	CORVUS AATREX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a A 1 qt/a A 1 qt/a C 5 % v/v C		85 bcd	0 a	99 a	94 a	40.21 a	19.21 a	239.2 a
3	CORVUS AATREX ROUNDUP POWERMAX DIFLEXX INTERLOCK N-PAK - AMS	4 fl oz/a A 1 qt/a A 1 qt/a C 8 fl oz/a C 4 fl oz/a C 5 % v/v C		93 a	0 a	96 a	95 a	38.42 a	18.79 a	230.0 a
4	CORVUS AATREX ROUNDUP POWERMAX DIFLEXX INTERLOCK N-PAK - AMS	4 fl oz/a A 1 qt/a A 1 qt/a C 10 fl oz/a C 4 fl oz/a C 5 % v/v C		85 bcd	0 a	96 a	94 a	38.50 a	18.61 a	231.0 a
5	CORVUS AATREX ROUNDUP POWERMAX LAUDIS DIFLEXX INTERLOCK N-PAK - AMS	4 fl oz/a A 1 qt/a A 1 qt/a C 3 fl oz/a C 8 fl oz/a C 4 fl oz/a C 5 % v/v C		94 a	0 a	98 a	95 a	41.69 a	18.67 a	249.7 a

Purdue Weed Science

Pest Type	W Weed		W Weed	W Weed						
Pest Code	AMBTR		SETFA	AMBTR						
Pest Name	Giant ragweed		Giant foxtail	Giant ragweed						
Crop Code		ZEAMX			ZEAMX	ZEAMX	ZEAMX	ZEAMX		
Crop Name		Corn			Corn	Corn	Corn	Corn		
Part Rated										
Rating Date	6/19/2015	6/23/2015	6/23/2015	6/23/2015	9/24/2015	9/24/2015	9/24/2015	9/24/2015		
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO	YIELD	MOICON	YIELD	YIELD		
Rating Unit	%	%	%	%	lb/plot	%	BU	BU		
Number of Subsamples	1	1	1	1	1	1	1	1		
Days After First/Last Applic.	48 22	52 26	52 26	52 26	145 119	145 119	145 119	145 119		
Trt-Eval Interval	28 DA-B	26 DA-C	26 DA-C	26 DA-C						
Days After Emergence	41 DE-1	45 DE-1	45 DE-1	45 DE-1	138 DE-1	138 DE-1	138 DE-1	138 DE-1		
ARM Action Codes	P	P	P	P				TY2		
Number of Decimals	0	0	0	0	2	2		1		
Trt No.	Treatment Name	Rate	Appl Code	15	16	17	18	19	20	21
6	CORVUS	4 fl oz/a	A	89 ab	0 a	96 a	94 a	38.64 a	18.75 a	231.2 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	LAUDIS FLEXX	32 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
7	CORVUS	4 fl oz/a	A	90 ab	0 a	100 a	95 a	37.75 a	18.38 a	227.0 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	LAUDIS FLEXX	40 fl oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
8	CORVUS	4 fl oz/a	A	79 de	0 a	98 a	95 a	41.43 a	18.93 a	247.3 a
	AATREX	1 qt/a	A							
	ROUNDUP POWERMAX	1 qt/a	C							
	STATUS	3 oz/a	C							
	INTERLOCK	4 fl oz/a	C							
	N-PAK - AMS	5 % v/v	C							
9	CAPRENO	3 fl oz/a	B	70 f	0 a	96 a	91 ab	40.63 a	19.68 a	240.2 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
10	CAPRENO	3 fl oz/a	B	81 cde	0 a	98 a	89 b	36.97 a	20.03 a	217.6 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	DIFLEXX	8 fl oz/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
11	LAUDIS	3 fl oz/a	B	69 f	0 a	88 b	89 b	40.45 a	19.18 a	240.7 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
12	LAUDIS	3 fl oz/a	B	89 ab	0 a	89 b	95 a	40.63 a	18.78 a	242.9 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	DIFLEXX	8 fl oz/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
13	LAUDIS FLEXX	32 fl oz/a	B	78 e	0 a	90 b	91 ab	38.57 a	19.35 a	229.2 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
14	LAUDIS FLEXX	40 fl oz/a	B	88 abc	0 a	90 b	95 a	38.46 a	20.06 a	226.5 a
	AATREX	1 pt/a	B							
	ROUNDUP POWERMAX	1 qt/a	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							

Purdue Weed Science

Pest Type	W Weed		W Weed		W Weed					
Pest Code	AMBTR		SETFA		AMBTR					
Pest Name	Giant ragweed		Giant foxtail		Giant ragweed					
Crop Code		ZEAMX				ZEAMX	ZEAMX	ZEAMX		
Crop Name		Corn				Corn	Corn	Corn		
Part Rated										
Rating Date	PLOT P	PLOT C	PLOT P	PLOT P	PLOT P	PLOT C	PLOT C	PLOT C		
Rating Type	6/19/2015	6/23/2015	6/23/2015	6/23/2015	6/23/2015	9/24/2015	9/24/2015	9/24/2015		
Rating Unit	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	YIELD	MOICON	YIELD		
Number of Subsamples	%	%	%	%	%	lb/plot	%	BU		
Days After First/Last Applic.	1	1	1	1	1	1	1	1		
Trt-Eval Interval	48 22	52 26	52 26	52 26	52 26	145 119	145 119	145 119		
Days After Emergence	28 DA-B	26 DA-C	26 DA-C	26 DA-C	26 DA-C					
ARM Action Codes	41 DE-1	45 DE-1	45 DE-1	45 DE-1	45 DE-1	138 DE-1	138 DE-1	138 DE-1		
Number of Decimals	P	P	P	P	P			TY2		
	0	0	0	0	0	2	2	1		
Trt No.	Treatment Name	Rate	Appl Code	15	16	17	18	19	20	21
15	HALEX GT	3.6 pt/a	B	85 bcd	0 a	100 a	93 ab	41.76 a	19.43 a	247.7 a
	AATREX	1 pt/a	B							
	ACTIVATOR 90 - NIS	0.25 % v/v	B							
	INTERLOCK	4 fl oz/a	B							
	N-PAK - AMS	5 % v/v	B							
16	Untreated Check			0 g	0 a	0 c	0 c	21.72 b	19.54 a	128.7 b
LSD P=.05		7.2	.			5.5	4.6	7.159	1.280	42.63
Standard Deviation		5.1	0.0			3.9	3.2	5.027	0.899	29.94
CV		6.91	0.0			4.68	3.97	13.42	4.71	13.42
Bartlett's X2		11.647	0.0			19.017	8.547	37.532	22.804	39.722
P(Bartlett's X2)		0.474	.			0.04*	0.48	0.001*	0.088	0.001*
Skewness		-1.9528*	.			-2.2113*	-2.2584*	-2.4797*	-1.1748*	-2.4559*
Kurtosis		2.4933*	.			3.1775*	3.3259*	7.7701*	1.2037*	7.5761*
Replicate F		4.323	0.000			1.751	4.320	7.657	20.639	7.710
Replicate Prob(F)		0.0092	1.0000			0.1702	0.0093	0.0003	0.0001	0.0003
Treatment F		135.552	0.000			282.721	388.638	5.740	1.530	5.773
Treatment Prob(F)		0.0001	1.0000			0.0001	0.0001	0.0001	0.1350	0.0001

Purdue Weed Science

Northern Univ Demos- DiFlexx, Laudis Flexx

Trial ID: 15S-THP-CTC-03 Location: TPAC Trial Year: 2015
 Protocol ID: 15S-THP-CTC-03 Investigator: Dr. Bill Johnson
 Project ID: HP15USABLFUEF1 Study Director: Joe Ikley
 Sponsor Contact: Bayer - Alan Kurtz

Pest Type

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

Pest Code

SETFA, Setaria faberi, = US

AMBTR, Ambrosia trifida, = US

Crop Code

ZEAMX, BCOR, Zea mays, = US

Part Rated

PLOT = plot

C = Crop is Part Rated

P = Pest is Part Rated

Rating Type

PHYGEN = phytotoxicity - general / injury

CONTRO = control / burndown or knockdown

YIELD = yield

MOICON = moisture content

Rating Unit

% = percent

lb/plot = pounds per plot

BU = bushel

ARM Action Codes

P = Rating scale of 0 to 100 (e.g. % control or injury)

TY2 = $6.222857 * [19] * (100 - [20]) / 84.5$