

Purdue Weed Science

Weed Control Programs in Corn - Northern University Field Demos

Trial ID: 15S-THP-CTC-02 Location: TPAC Trial Year: 2015
 Protocol ID: 15S-THP-CTC-02 Investigator: Dr. Bill Johnson
 Project ID: HP15USABLDUEF1 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

Discipline: H herbicide
Trial Status: E established

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

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Organization: Purdue University
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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
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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 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
Planting Date: 5/2/2015
Planting Method: SEEDED seeded
Planting Equipment: FPP Finger Pickup Planter
Emergence Date: 5/9/2015
Harvest Date: 9/24/2015
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:** ECHCG Echinochloa crus-galli
Common Name: Common barnyardgrass

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

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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 FT ²	Tillage Type: CONTIL conventional-till
Treatments: 18	Study Design: RACOB� Randomized Complete Block (RCB)
Replications: 4	
Untreated Arrangement: INCLUDED single control randomized in each block	

Field Prep./Maintenance: 171 pounds of UAN (28-0-0) applied and disked in on May 1st
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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:	12:00	08:00	13:00
Appl. Stop Time:	13:00	8:45	13:45
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	E POST	L POST
Application Placement:	SOIL	BROADC	BROADC
Applied By:	Jl	Jl	Jl
Air Temperature, Unit:	68 F	54 F	73 F
% Relative Humidity:	37	76	61
Wind Velocity, Unit:	3 MPH	2.4 MPH	5 MPH
Wind Direction:	SW	SW	E
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	55 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

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Pest Stage At Each Application			
	A	B	C
Pest 1 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:		11	32G
Stage Minimum, Percent:			31G
Stage Maximum, Percent:			33G
Height, Unit:		1.25 IN	2 IN
Height Minimum, Maximum:		0.5 2	1 3
Density, Unit:		7 YD2	5 YD2
Pest 2 Code, Type, Scale:	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:		13	32G
Stage Minimum, Percent:		12	31G
Stage Maximum, Percent:		13	32G
Height, Unit:		2 IN	1.5 IN
Height Minimum, Maximum:		1 3	1 2
Density, Unit:		7 YD2	5 YD2
Pest 3 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:		13	14
Stage Minimum, Percent:		12	13
Stage Maximum, Percent:		13	15
Height, Unit:		0.75 IN	1.5 IN
Height Minimum, Maximum:		0.5 1	1 2
Density, Unit:		2 YD2	3 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:		0.75 IN	
Height Minimum, Maximum:		0.5 1	
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:		0.75 IN	
Height Minimum, Maximum:		0.5 1	
Density, Unit:		4 YD2	

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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 Unit	Growth Stage	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	Untreated Check									101	405	604	809
2	CORVUS AATREX	2.63 LB/GAL 4 LB/GAL		SC L	5.6 fl oz/a 1.5 qt/a		PRE	A A	5.25 ml/mx 45.0 ml/mx	102	303	508	703
3	BALANCE FLEXX BICEP II MAGNUM	2 LB/GAL 5.5 LB/GAL		L L	4.5 fl oz/a 2 qt/a		PRE	A A	4.219 ml/mx 60.0 ml/mx	103	406	507	807
4	LEXAR EZ	3.704 LB/GAL		L	3 qt/a		PRE	A	90.0 ml/mx	104	407	502	706
5	TRIPLEFLEX AATREX	4.25 LB/GAL 4 LB/GAL		L L	3 pt/a 1.5 qt/a		PRE	A A	45.0 ml/mx 45.0 ml/mx	105	309	601	806
6	ACURON	3.44 LB/GAL		ZC	3 qt/a		PRE	A	90.0 ml/mx	106	308	607	708
7	CAPRENO AATREX ROUNDUP POWERMAX N-PAK - AMS	3.45 LB/GAL 4 LB/GAL 4.5 LBAE/GAL 3.4 LBA/GAL		L L SL SL	3 fl oz/a 1 qt/a 22 fl oz/a 2.5 % v/v		V3 CORN	B B B B	2.812 ml/mx 30.0 ml/mx 20.62 ml/mx 45.0 ml/mx	107	409	504	801
8	CAPRENO DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	3.45 LB/GAL 4.22 LB/GAL 4.5 LBAE/GAL 3.4 LBA/GAL		L SC SL SL	3 fl oz/a 12 fl oz/a 22 fl oz/a 2.5 % v/v		V3 CORN	B B B B	2.812 ml/mx 11.25 ml/mx 20.62 ml/mx 45.0 ml/mx	108	307	609	701
9	HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	4.389 LBAE/GAL 4 LB/GAL 90 % 3.4 LBA/GAL		L L L SL	3.6 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v		V3 CORN	B B B B	54.0 ml/mx 30.0 ml/mx 4.5 ml/mx 45.0 ml/mx	109	408	501	803
10	CORVUS AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	2.63 LB/GAL 4 LB/GAL 4.22 LB/GAL 4.5 LBAE/GAL 3.4 LBA/GAL		SC L SC SL SL	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v		V5 CORN	A A C C C	3.75 ml/mx 30.0 ml/mx 5.625 ml/mx 20.62 ml/mx 45.0 ml/mx	201	404	602	705
11	BALANCE FLEXX AATREX DIFLEXX LIBERTY 280 SL N-PAK - AMS	2 LB/GAL 4 LB/GAL 4.22 LB/GAL 2.34 LB/GAL 3.4 LBA/GAL		L L SC SL SL	4 fl oz/a 1 qt/a 8 fl oz/a 22 fl oz/a 2.5 % v/v		V5 CORN	A A C C C	3.75 ml/mx 30.0 ml/mx 7.5 ml/mx 20.62 ml/mx 45.0 ml/mx	202	305	603	702

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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	Growth Stage	Appl Code	Amt Product to Measure	Rep 1	2	3	4
12	BALANCE FLEXX	2	LB/GAL	L	4 fl oz/a		A	3.75 ml/mx	203	402	605	707
	AATREX	4	LB/GAL	L	1 qt/a	PRE	A	30.0 ml/mx				
	DIFLEXX	4.22	LB/GAL	SC	6 fl oz/a		C	5.625 ml/mx				
	ROUNDUP POWERMAX	4.5	LB/AE/GAL	SL	22 fl oz/a		C	20.62 ml/mx				
	N-PAK - AMS	3.4	LB/GAL	SL	2.5 % v/v	V5 CORN	C	45.0 ml/mx				
13	BALANCE FLEXX	2	LB/GAL	L	4 fl oz/a		A	3.75 ml/mx	204	301	505	804
	AATREX	4	LB/GAL	L	1 qt/a	PRE	A	30.0 ml/mx				
	LAUDIS FLEXX	1.62	LB/GAL	SC	1 qt/a		C	30.0 ml/mx				
	MSO ULTRA	100	%	L	1 qt/a		C	30.0 ml/mx				
	N-PAK - AMS	3.4	LB/GAL	SL	2.5 % v/v	V5 CORN	C	45.0 ml/mx				
14	CORVUS	2.63	LB/GAL	SC	4 fl oz/a		A	3.75 ml/mx	205	302	608	805
	AATREX	4	LB/GAL	L	1 qt/a	PRE	A	30.0 ml/mx				
	CAPRENO	3.45	LB/GAL	L	3 fl oz/a		C	2.812 ml/mx				
	PRIME OIL - COC	99.47	%	L	1 qt/a		C	30.0 ml/mx				
	N-PAK - AMS	3.4	LB/GAL	SL	2.5 % v/v	V5 CORN	C	45.0 ml/mx				
15	CORVUS	2.63	LB/GAL	SC	4 fl oz/a		A	3.75 ml/mx	206	401	509	704
	AATREX	4	LB/GAL	L	1 qt/a	PRE	A	30.0 ml/mx				
	STATUS	61.1	%	WG	3 oz/a		C	2.696 g/mx				
	ROUNDUP POWERMAX	4.5	LB/AE/GAL	SL	22 fl oz/a		C	20.62 ml/mx				
	N-PAK - AMS	3.4	LB/GAL	SL	2.5 % v/v	V5 CORN	C	45.0 ml/mx				
16	DEGREE XTRA	4.04	LB/GAL	CS	3.2 qt/a	PRE	A	96.0 ml/mx	207	304	506	802
	LAUDIS FLEXX	1.62	LB/GAL	SC	1 qt/a		C	30.0 ml/mx				
	MSO ULTRA	100	%	L	1 qt/a		C	30.0 ml/mx				
	N-PAK - AMS	3.4	LB/GAL	SL	2.5 % v/v	V5 CORN	C	45.0 ml/mx				
17	RESOLVE Q @ 1.1 OZ/A								208	306	503	808
	RESOLVE	25	%	DF	0.81 oz/a		A	0.7279 g/mx				
	HARMONY SG	50	%	SG	0.088 oz/a		A	.07909 g/mx				
	ISOXADIFEN-ETHYL	50	%	DF	0.2024 oz/a	PRE	A	0.1819 g/mx				
	ROUNDUP POWERMAX	4.5	LB/AE/GAL	SL	22 fl oz/a		C	20.62 ml/mx				
N-PAK - AMS	3.4	LB/GAL	SL	2.5 % v/v	V5 CORN	C	45.0 ml/mx					
18	Untreated Check								209	403	606	709

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
20.625	ml	CORVUS	2.63	SC	
412.499	ml	AATREX	4	L	
19.336	ml	BALANCE FLEXX	2	L	
75.000	ml	BICEP II MAGNUM	5.5	L	
112.500	ml	LEXAR EZ	3.704	L	
56.250	ml	TRIPLEFLEX	4.25	L	
112.500	ml	ACURON	3.44	ZC	
10.547	ml	CAPRENO	3.45	L	
154.687	ml	ROUNDUP POWERMAX	4.5	SL	
618.683	ml	N-PAK - AMS	3.4	SL	
37.500	ml	DIFLEXX	4.22	SC	
67.500	ml	HALEX GT	4.389	L	
5.624	ml	ACTIVATOR 90 - NIS	90	L	
25.781	ml	LIBERTY 280 SL	2.34	SL	
75.000	ml	LAUDIS FLEXX	1.62	SC	
75.000	ml	MSO ULTRA	100	L	

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
37.500	ml	PRIME OIL - COC	99.47	L	
3.370	g	STATUS	61.1	WG	
120.000	ml	DEGREE XTRA	4.04	CS	
0.910	g	RESOLVE	25	DF	
0.099	g	HARMONY SG	50	SG	
0.227	g	ISOXADIFEN-ETHYL	50	DF	

* 'Per area' calculations based on spray volume= 15 GAL/AC, mix size= 1.8 liters (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

* 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 1.8 liters.

Pest Type	W Weed ECHCG	W Weed AMBTR	W Weed AMARE	W Weed ABUTH	W Weed CHEAL		
Pest Code	Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf	Common lambsqu>		
Pest Name							
Crop Code							
Crop Name							
Part Rated							
Rating Date	PLOT P 5/22/2015						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1		
Days After First/Last Applic.	20 20	20 20	20 20	20 20	20 20		
Trt-Eval Interval	0 DA-B						
Days After Emergence	13 DE-1						
ARM Action Codes	P	P	P	P	P		
Number of Decimals	0	0	0	0	0		
Trt Treatment	Rate	Appl					
No. Name	Rate	Unit Code Plot	1	2	3	4	5
1 Untreated Check		101	0	0	0	0	0
		405	0	0	0	0	0
		604	0	0	0	0	0
		809	0	0	0	0	0
		Mean =	0	0	0	0	0
2 CORVUS	5.6 fl oz/a	A 102	100	95	100	100	100
AATREX	1.5 qt/a	A 303	100	100	100	100	100
		508	100	90	100	100	100
		703	100	99	100	100	100
		Mean =	100	96	100	100	100
3 BALANCE FLEXX	4.5 fl oz/a	A 103	100	90	100	100	100
BICEP II MAGNUM	2 qt/a	A 406	100	93	100	100	100
		507	100	95	100	100	100
		807	100	80	100	100	100
		Mean =	100	90	100	100	100
4 LEXAR EZ	3 qt/a	A 104	100	97	100	100	100
		407	100	90	100	100	100
		502	100	100	100	100	100
		706	100	99	100	100	100
		Mean =	100	97	100	100	100
5 TRIPLEFLEX	3 pt/a	A 105	100	99	100	100	100
AATREX	1.5 qt/a	A 309	100	95	100	100	100
		601	100	100	100	100	100
		806	100	99	100	100	100
		Mean =	100	98	100	100	100
6 ACURON	3 qt/a	A 106	100	99	100	100	100
		308	100	95	100	100	100
		607	100	99	100	100	100
		708	100	85	100	100	100
		Mean =	100	95	100	100	100
7 CAPRENO	3 fl oz/a	B 107	0	0	0	0	0
AATREX	1 qt/a	B 409	0	0	0	0	0
ROUNDUP POWERMAX	22 fl oz/a	B 504	0	0	0	0	0
N-PAK - AMS	2.5 % v/v	B 801	0	0	0	0	0
		Mean =	0	0	0	0	0

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Pest Type	W Weed						
Pest Code	ECHCG	AMBTR	AMARE	ABUTH	CHEAL		
Pest Name	Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf	Common lambsqu>		
Crop Code							
Crop Name							
Part Rated							
Rating Date	PLOT P 5/22/2015						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1		
Days After First/Last Applic.	20 20	20 20	20 20	20 20	20 20		
Trt-Eval Interval	0 DA-B						
Days After Emergence	13 DE-1						
ARM Action Codes	P	P	P	P	P		
Number of Decimals	0	0	0	0	0		
Trt Treatment	Rate	Appl					
No. Name	Unit	Code Plot	1	2	3	4	5
8 CAPRENO	3 fl oz/a	B 108	0	0	0	0	0
DIFLEXX	12 fl oz/a	B 307	0	0	0	0	0
ROUNDUP POWERMAX	22 fl oz/a	B 609	0	0	0	0	0
N-PAK - AMS	2.5 % v/v	B 701	0	0	0	0	0
Mean =			0	0	0	0	0
9 HALEX GT	3.6 pt/a	B 109	0	0	0	0	0
AATREX	1 qt/a	B 408	0	0	0	0	0
ACTIVATOR 90 - NIS	0.25 % v/v	B 501	0	0	0	0	0
N-PAK - AMS	2.5 % v/v	B 803	0	0	0	0	0
Mean =			0	0	0	0	0
10 CORVUS	4 fl oz/a	A 201	100	99	100	100	100
AATREX	1 qt/a	A 404	100	99	100	100	100
DIFLEXX	6 fl oz/a	C 602	100	99	100	100	100
ROUNDUP POWERMAX	22 fl oz/a	C 705	100	99	100	100	100
N-PAK - AMS	2.5 % v/v	C	100	99	100	100	100
Mean =			100	99	100	100	100
11 BALANCE FLEXX	4 fl oz/a	A 202	95	99	100	100	100
AATREX	1 qt/a	A 305	100	100*	100	100	100
DIFLEXX	8 fl oz/a	C 603	100	99	100	100	100
LIBERTY 280 SL	22 fl oz/a	C 702	100	100	100	100	100
N-PAK - AMS	2.5 % v/v	C	100	100	100	100	100
Mean =			99	100	100	100	100
12 BALANCE FLEXX	4 fl oz/a	A 203	100	95	100	100	100
AATREX	1 qt/a	A 402	100	97	100	100	100
DIFLEXX	6 fl oz/a	C 605	100	100	100	100	100
ROUNDUP POWERMAX	22 fl oz/a	C 707	100	80	100	100	100
N-PAK - AMS	2.5 % v/v	C	100	80	100	100	100
Mean =			100	93	100	100	100
13 BALANCE FLEXX	4 fl oz/a	A 204	100	100	100	100	100
AATREX	1 qt/a	A 301	100	100	100	100	100
LAUDIS FLEXX	1 qt/a	C 505	100	95	100	100	100
MSO ULTRA	1 qt/a	C 804	100	99	100	100	100
N-PAK - AMS	2.5 % v/v	C	100	99	100	100	100
Mean =			100	99	100	100	100
14 CORVUS	4 fl oz/a	A 205	100	99	100	100	100
AATREX	1 qt/a	A 302	100	97	100	100	100
CAPRENO	3 fl oz/a	C 608	100	97	100	100	100
PRIME OIL - COC	1 qt/a	C 805	100	100	100	100	100
N-PAK - AMS	2.5 % v/v	C	100	100	100	100	100
Mean =			100	98	100	100	100
15 CORVUS	4 fl oz/a	A 206	100	99	100	99	100
AATREX	1 qt/a	A 401	100	95	100	100	100
STATUS	3 oz/a	C 509	100	80	100	100	100
ROUNDUP POWERMAX	22 fl oz/a	C 704	100	97	100	100	100
N-PAK - AMS	2.5 % v/v	C	100	97	100	100	100
Mean =			100	93	100	100	100
16 DEGREE XTRA	3.2 qt/a	A 207	100	80	100	80	100
LAUDIS FLEXX	1 qt/a	C 304	100	90	100	80	100
MSO ULTRA	1 qt/a	C 506	100	70	100	80	95
N-PAK - AMS	2.5 % v/v	C 802	100	85	100	80	100
Mean =			100	81	100	80	99

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	ECHCG	AMBTR	AMARE	ABUTH	CHEAL			
Pest Name	Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf	Common lambsqu>			
Crop Code								
Crop Name								
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	5/22/2015	5/22/2015	5/22/2015	5/22/2015	5/22/2015			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1			
Days After First/Last Applic.	20 20	20 20	20 20	20 20	20 20			
Trit-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B			
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	13 DE-1	13 DE-1			
ARM Action Codes	P	P	P	P	P			
Number of Decimals	0	0	0	0	0			
Trit Treatment	Rate	Appl						
No. Name	Rate	Unit	Code	Plot				
				1	2			
				3	4			
				5				
17 RESOLVE Q @ 1.1 OZ/A			208	95	85	100	90	100
RESOLVE	0.81 oz/a	A	306	95	90	100	80	100
HARMONY SG	0.088 oz/a	A	503	95	90	100	85	100
ISOXADIFEN-ETHYL	0.2024 oz/a	A	808	95	87*	100	70	100
ROUNDUP POWERMAX	22 fl oz/a	C						
N-PAK - AMS	2.5 % v/v	C						
			Mean =	95	88	100	81	100
18 Untreated Check			209	0	0	0	0	0
			403	0	0	0	0	0
			606	0	0	0	0	0
			709	0	0	0	0	0
			Mean =	0	0	0	0	0

Purdue Weed Science

Pest Type		W Weed	W Weed	W Weed	W Weed		
Pest Code		ECHCG	AMBTR	AMARE	ABUTH		
Pest Name		Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf		
Crop Code	ZEAMX						
Crop Name	Corn						
Part Rated	PLOT C	PLOT P	PLOT P	PLOT P	PLOT P		
Rating Date	5/28/2015	5/28/2015	5/28/2015	5/28/2015	5/28/2015		
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1		
Days After First/Last Applic.	26 6	26 6	26 6	26 6	26 6		
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C		
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1		
ARM Action Codes	P	P	P	P	P		
Number of Decimals	0	0	0	0	0		
Trt Treatment	Rate	Appl					
No. Name	Rate	Unit Code Plot	6	7	8	9	10
1 Untreated Check			101 0	0	0	0	0
			405 0	0	0	0	0
			604 0	0	0	0	0
			809 0	0	0	0	0
		Mean =	0	0	0	0	0
2 CORVUS	5.6 fl oz/a	A	102 0	99	95	100	100
AATREX	1.5 qt/a	A	303 0	100	100	100	100
			508 0	99	80	100	100
			703 0	100	100	100	100
		Mean =	0	100	94	100	100
3 BALANCE FLEXX	4.5 fl oz/a	A	103 0	100	95	100	100
BICEP II MAGNUM	2 qt/a	A	406 0	100	90	100	100
			507 0	100	95	100	100
			807 0	100	75	100	100
		Mean =	0	100	89	100	100
4 LEXAR EZ	3 qt/a	A	104 0	100	97	100	100
			407 0	100	90	100	100
			502 0	100	100	100	100
			706 0	100	99	100	100
		Mean =	0	100	97	100	100
5 TRIPLEFLEX	3 pt/a	A	105 0	100	99	100	100
AATREX	1.5 qt/a	A	309 0	100	99	100	100
			601 0	100	100	100	100
			806 0	100	95	100	100
		Mean =	0	100	98	100	100
6 ACURON	3 qt/a	A	106 0	100	97	100	100
			308 0	100	99	100	100
			607 0	100	99	100	100
			708 0	100	85	100	100
		Mean =	0	100	95	100	100
7 CAPRENO	3 fl oz/a	B	107 0	95	90	100	100
AATREX	1 qt/a	B	409 0	95	90	100	100
ROUNDUP POWERMAX	22 fl oz/a	B	504 0	100	90	100	100
N-PAK - AMS	2.5 % v/v	B	801 0	100	70	100	100
		Mean =	0	98	85	100	100

Purdue Weed Science

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		ECHCG	AMBTR	AMARE	ABUTH
Pest Name		Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf
Crop Code	ZEAMX				
Crop Name	Corn				
Part Rated	PLOT C	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	5/28/2015	5/28/2015	5/28/2015	5/28/2015	5/28/2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	26 6	26 6	26 6	26 6	26 6
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Appl			
No. Name	Unit	Code Plot	6	7	8
8 CAPRENO	3 fl oz/a	B 108	0	95	95
DIFLEXX	12 fl oz/a	B 307	0	90	80
ROUNDUP POWERMAX	22 fl oz/a	B 609	2	99	85
N-PAK - AMS	2.5 % v/v	B 701	0	100	80
		Mean =	1	96	85
9 HALEX GT	3.6 pt/a	B 109	0	85	90
AATREX	1 qt/a	B 408	0	85	85
ACTIVATOR 90 - NIS	0.25 % v/v	B 501	0	100	100
N-PAK - AMS	2.5 % v/v	B 803	0	100	90
		Mean =	0	93	91
10 CORVUS	4 fl oz/a	A 201	0	100	99
AATREX	1 qt/a	A 404	0	100	100
DIFLEXX	6 fl oz/a	C 602	0	99	100
ROUNDUP POWERMAX	22 fl oz/a	C 705	0	100	90
N-PAK - AMS	2.5 % v/v	C			
		Mean =	0	100	97
11 BALANCE FLEXX	4 fl oz/a	A 202	0	90	99
AATREX	1 qt/a	A 305	0	100	99
DIFLEXX	8 fl oz/a	C 603	0	98*	100
LIBERTY 280 SL	22 fl oz/a	C 702	0	100	100
N-PAK - AMS	2.5 % v/v	C			
		Mean =	0	97	100
12 BALANCE FLEXX	4 fl oz/a	A 203	0	100	99
AATREX	1 qt/a	A 402	0	100	99
DIFLEXX	6 fl oz/a	C 605	0	100	99
ROUNDUP POWERMAX	22 fl oz/a	C 707	0	99	80
N-PAK - AMS	2.5 % v/v	C			
		Mean =	0	100	94
13 BALANCE FLEXX	4 fl oz/a	A 204	0	100	99
AATREX	1 qt/a	A 301	0	100	100
LAUDIS FLEXX	1 qt/a	C 505	0	100	100
MSO ULTRA	1 qt/a	C 804	0	100	100
N-PAK - AMS	2.5 % v/v	C			
		Mean =	0	100	100
14 CORVUS	4 fl oz/a	A 205	0	100	99
AATREX	1 qt/a	A 302	0	100	99
CAPRENO	3 fl oz/a	C 608	0	100	97
PRIME OIL - COC	1 qt/a	C 805	0	100	99
N-PAK - AMS	2.5 % v/v	C			
		Mean =	0	100	99
15 CORVUS	4 fl oz/a	A 206	0	100	95
AATREX	1 qt/a	A 401	0	100	100
STATUS	3 oz/a	C 509	0	100	75
ROUNDUP POWERMAX	22 fl oz/a	C 704	0	100	90
N-PAK - AMS	2.5 % v/v	C			
		Mean =	0	100	90
16 DEGREE XTRA	3.2 qt/a	A 207	0	95	50
LAUDIS FLEXX	1 qt/a	C 304	0	100	85
MSO ULTRA	1 qt/a	C 506	0	100	50
N-PAK - AMS	2.5 % v/v	C 802	1	100	70
		Mean =	0	99	64

Purdue Weed Science

Pest Type		W Weed	W Weed	W Weed	W Weed			
Pest Code		ECHCG	AMBTR	AMARE	ABUTH			
Pest Name		Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf			
Crop Code	ZEAMX							
Crop Name	Corn							
Part Rated	PLOT C	PLOT P	PLOT P	PLOT P	PLOT P			
Rating Date	5/28/2015	5/28/2015	5/28/2015	5/28/2015	5/28/2015			
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1			
Days After First/Last Applic.	26 6	26 6	26 6	26 6	26 6			
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C			
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1			
ARM Action Codes	P	P	P	P	P			
Number of Decimals	0	0	0	0	0			
Trt Treatment	Rate	Appl						
No. Name	Unit	Code	Plot	6	7	8	9	10
17 RESOLVE Q @ 1.1 OZ/A			208	0	65	50	100	50
RESOLVE	0.81 oz/a	A	306	0	70	60	100	30
HARMONY SG	0.088 oz/a	A	503	0	60	60	100	10
ISOXADIFEN-ETHYL	0.2024 oz/a	A	808	0	30	10	100	30
ROUNDUP POWERMAX	22 fl oz/a	C						
N-PAK - AMS	2.5 % v/v	C						
			Mean =	0	56	45	100	30
18 Untreated Check			209	0	0	0	0	0
			403	0	0	0	0	0
			606	0	0	0	0	0
			709	0	0	0	0	0
			Mean =	0	0	0	0	0

Purdue Weed Science

Pest Type	W Weed		W Weed	W Weed	W Weed				
Pest Code	CHEAL		ECHCG	AMBTR	AMARE				
Pest Name	Common lambsqu>		Common barnyar>		Redroot pigweed				
Crop Code		ZEAMX							
Crop Name		Corn							
Part Rated									
Rating Date	PLOT P	PLOT C	PLOT P	PLOT P	PLOT P				
Rating Date	5/28/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015				
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.	26 6	34 8	34 8	34 8	34 8				
Trt-Eval Interval	0 DA-C	14 DA-B	14 DA-B	14 DA-B	14 DA-B				
Days After Emergence	19 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1				
ARM Action Codes	P	P	P	P	P				
Number of Decimals	0	0	0	0	0				
Trt Treatment									
No. Name	Rate	Unit	Code	Plot					
				11	12				
				13	14				
				15					
1 Untreated Check				101	0	0	0	0	0
				405	0	0	0	0	0
				604	0	0	0	0	0
				809	0	0	0	0	0
			Mean =	0	0	0	0	0	0
2 CORVUS	5.6 fl oz/a	A		102	100	0	100	75	100
AATREX	1.5 qt/a	A		303	100	0	100	95	100
				508	100	0	100	75	100
				703	100	0	100	90	100
			Mean =	100	0	100	84	100	100
3 BALANCE FLEXX	4.5 fl oz/a	A		103	100	0	100	60	100
BICEP II MAGNUM	2 qt/a	A		406	100	0	100	80	100
				507	100	0	100	65	100
				807	100	0	100	65	100
			Mean =	100	0	100	68	100	100
4 LEXAR EZ	3 qt/a	A		104	100	0	100	80	100
				407	100	0	100	70	100
				502	100	10	100	100	100
				706	100	0	100	95	100
			Mean =	100	3	100	86	100	100
5 TRIPLEFLEX	3 pt/a	A		105	100	0	100	85	100
AATREX	1.5 qt/a	A		309	100	5	100	85	100
				601	100	15	100	100	100
				806	100	0	100	90	100
			Mean =	100	5	100	90	100	100
6 ACURON	3 qt/a	A		106	100	0	100	70	100
				308	100	0	100	90	100
				607	100	0	100	95	100
				708	100	0	100	70	100
			Mean =	100	0	100	81	100	100
7 CAPRENO	3 fl oz/a	B		107	100	0	100	95	100
AATREX	1 qt/a	B		409	100	0	100	95	100
ROUNDUP POWERMAX	22 fl oz/a	B		504	100	0	100	95	100
N-PAK - AMS	2.5 % v/v	B		801	100	0	100	100	100
			Mean =	100	0	100	96	100	100

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	ECHCG	AMBTR	AMARE
Pest Name	Common lambsqu>	Common barnyar>	Giant ragweed	Redroot pigweed
Crop Code				
Crop Name		ZEAMX Corn		
Part Rated	PLOT P	PLOT C	PLOT P	PLOT P
Rating Date	5/28/2015	6/5/2015	6/5/2015	6/5/2015
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	26 6	34 8	34 8	34 8
Trt-Eval Interval	0 DA-C	14 DA-B	14 DA-B	14 DA-B
Days After Emergence	19 DE-1	27 DE-1	27 DE-1	27 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Unit	Code Plot	11	12
8 CAPRENO	3 fl oz/a	B 108	100	0
DIFLEXX	12 fl oz/a	B 307	100	0
ROUNDUP POWERMAX	22 fl oz/a	B 609	100	0
N-PAK - AMS	2.5 % v/v	B 701	80	0
		Mean =	95	0
9 HALEX GT	3.6 pt/a	B 109	100	0
AATREX	1 qt/a	B 408	100	5
ACTIVATOR 90 - NIS	0.25 % v/v	B 501	100	0
N-PAK - AMS	2.5 % v/v	B 803	100	0
		Mean =	100	1
10 CORVUS	4 fl oz/a	A 201	100	0
AATREX	1 qt/a	A 404	100	10
DIFLEXX	6 fl oz/a	C 602	100	5
ROUNDUP POWERMAX	22 fl oz/a	C 705	100	0
N-PAK - AMS	2.5 % v/v	C	100	0
		Mean =	100	4
11 BALANCE FLEXX	4 fl oz/a	A 202	100	10
AATREX	1 qt/a	A 305	100	15
DIFLEXX	8 fl oz/a	C 603	100	10
LIBERTY 280 SL	22 fl oz/a	C 702	100	10
N-PAK - AMS	2.5 % v/v	C	100	10
		Mean =	100	11
12 BALANCE FLEXX	4 fl oz/a	A 203	100	0
AATREX	1 qt/a	A 402	100	10
DIFLEXX	6 fl oz/a	C 605	100	15
ROUNDUP POWERMAX	22 fl oz/a	C 707	100	10
N-PAK - AMS	2.5 % v/v	C	100	10
		Mean =	100	9
13 BALANCE FLEXX	4 fl oz/a	A 204	100	15
AATREX	1 qt/a	A 301	100	0
LAUDIS FLEXX	1 qt/a	C 505	100	10
MSO ULTRA	1 qt/a	C 804	100	10
N-PAK - AMS	2.5 % v/v	C	100	10
		Mean =	100	9
14 CORVUS	4 fl oz/a	A 205	100	20
AATREX	1 qt/a	A 302	100	25
CAPRENO	3 fl oz/a	C 608	100	20
PRIME OIL - COC	1 qt/a	C 805	100	15
N-PAK - AMS	2.5 % v/v	C	100	15
		Mean =	100	20
15 CORVUS	4 fl oz/a	A 206	100	0
AATREX	1 qt/a	A 401	100	10
STATUS	3 oz/a	C 509	100	0
ROUNDUP POWERMAX	22 fl oz/a	C 704	100	10
N-PAK - AMS	2.5 % v/v	C	100	10
		Mean =	100	5
16 DEGREE XTRA	3.2 qt/a	A 207	100	5
LAUDIS FLEXX	1 qt/a	C 304	100	5
MSO ULTRA	1 qt/a	C 506	100	15
N-PAK - AMS	2.5 % v/v	C 802	100	10
		Mean =	100	9

Purdue Weed Science

	W Weed CHEAL Common lambsqu>	ZEAMX Corn	W Weed ECHCG Common barnyar>	W Weed AMBTR Giant ragweed	W Weed AMARE Redroot pigweed
Pest Type					
Pest Code					
Pest Name					
Crop Code					
Crop Name					
Part Rated	PLOT P	PLOT C	PLOT P	PLOT P	PLOT P
Rating Date	5/28/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	26 6	34 8	34 8	34 8	34 8
Trt-Eval Interval	0 DA-C	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Days After Emergence	19 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate	Unit Code Plot	11	12	13
			14	15	
17 RESOLVE Q @ 1.1 OZ/A		208	95	0	100
RESOLVE	0.81 oz/a	A 306	85	5	100
HARMONY SG	0.088 oz/a	A 503	100	5	100
ISOXADIFEN-ETHYL	0.2024 oz/a	A 808	100	5	100
ROUNDUP POWERMAX	22 fl oz/a	C			
N-PAK - AMS	2.5 % v/v	C			
		Mean =	95	4	100
18 Untreated Check		209	0	0	0
		403	0	0	0
		606	0	0	0
		709	0	0	0
		Mean =	0	0	0

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed	W Weed									
Pest Code	ABUTH	CHEAL		AMBTR	AMARE	ABUTH									
Pest Name	velvetleaf	Common lambsqu>		Giant ragweed	Redroot pigweed	velvetleaf									
Crop Code															
Crop Name			ZEAMX Corn												
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT P									
Rating Date	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/9/2015									
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO									
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	38 12									
Trt-Eval Interval	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	12 DA-C									
Days After Emergence	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	31 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	16	17	18	19	20	21						
1 Untreated Check				101 0	405 0	604 0	809 0	Mean = 0	0	0	0	0	0	0	0
2 CORVUS	5.6 fl oz/a	A		102 100	303 100	508 100	703 100	Mean = 100	0	85	100	100	100	100	100
AATREX	1.5 qt/a	A		102 100	303 100	508 100	703 100	Mean = 100	0	100	90	100	100	100	100
3 BALANCE FLEXX	4.5 fl oz/a	A		103 100	406 100	507 100	807 100	Mean = 100	0	90	85	85	100	100	100
BICEP II MAGNUM	2 qt/a	A		103 100	406 100	507 100	807 100	Mean = 100	0	85	85	100	100	100	100
4 LEXAR EZ	3 qt/a	A		104 100	407 100	502 100	706 100	Mean = 100	0	95	90	100	100	100	100
5 TRIPLEFLEX	3 pt/a	A		105 100	309 100	601 100	806 90	Mean = 98	5	97	92	99	99	97	100
AATREX	1.5 qt/a	A		105 100	309 100	601 100	806 90	Mean = 98	0	92	99	99	97	100	100
6 ACURON	3 qt/a	A		106 100	308 100	607 100	708 100	Mean = 100	0	95	99	95	80	92	100
7 CAPRENO	3 fl oz/a	B		107 100	409 100	504 100	801 100	Mean = 100	0	99	99	99	100	99	100
AATREX	1 qt/a	B		107 100	409 100	504 100	801 100	Mean = 100	0	99	99	99	100	99	100
ROUNDUP POWERMAX	22 fl oz/a	B		107 100	409 100	504 100	801 100	Mean = 100	5	99	99	99	100	99	100
N-PAK - AMS	2.5 % v/v	B		107 100	409 100	504 100	801 100	Mean = 100	0	100	100	100	100	100	100
				Mean = 100	Mean = 100	Mean = 100	Mean = 100	Mean = 100	1	99	100	100	100	100	100

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	
Pest Code	ABUTH	CHEAL		AMBTR	AMARE	
Pest Name	velvetleaf	Common lambsqu>		Giant ragweed	Redroot pigweed	
Crop Code			ZEAMX			
Crop Name			Corn			
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	
Rating Date	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	
Rating Unit	%	%	%	%	%	
Number of Subsamples	1	1	1	1	1	
Days After First/Last Applic.	34 8	34 8	38 12	38 12	38 12	
Trt-Eval Interval	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	
Days After Emergence	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	
ARM Action Codes	P	P	P	P	P	
Number of Decimals	0	0	0	0	0	
Trt Treatment	Rate	Rate	Rate	Rate	Rate	
No. Name	Unit	Unit	Unit	Unit	Unit	
Code	Code	Code	Code	Code	Code	
Plot	16	17	18	19	20	
16	8 CAPRENO 3 fl oz/a B 108 DIFLEXX 12 fl oz/a B 307 ROUNDUP POWERMAX 22 fl oz/a B 609 N-PAK - AMS 2.5 % v/v B 701 Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	0 5 5 5 100 98	99 95 97 100 100 78	100 100 100 100 100 100
17	9 HALEX GT 3.6 pt/a B 109 AATREX 1 qt/a B 408 ACTIVATOR 90 - NIS 0.25 % v/v B 501 N-PAK - AMS 2.5 % v/v B 803 Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	0 5 0 0 100 99	99 97 100 100 100 100	100 100 100 100 100 100
18	10 CORVUS 4 fl oz/a A 201 AATREX 1 qt/a A 404 DIFLEXX 6 fl oz/a C 602 ROUNDUP POWERMAX 22 fl oz/a C 705 N-PAK - AMS 2.5 % v/v C Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	0 5 5 5 0 3	100 100 100 100 97 99	100 100 100 100 100 100
19	11 BALANCE FLEXX 4 fl oz/a A 202 AATREX 1 qt/a A 305 DIFLEXX 8 fl oz/a C 603 LIBERTY 280 SL 22 fl oz/a C 702 N-PAK - AMS 2.5 % v/v C Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	5 5 5 5 10 6	100 100 100 100 100 100	100 100 100 100 100 100
20	12 BALANCE FLEXX 4 fl oz/a A 203 AATREX 1 qt/a A 402 DIFLEXX 6 fl oz/a C 605 ROUNDUP POWERMAX 22 fl oz/a C 707 N-PAK - AMS 2.5 % v/v C Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	0 10 5 5 5 5	100 100 99 95 100 99	100 100 100 100 100 100
21	13 BALANCE FLEXX 4 fl oz/a A 204 AATREX 1 qt/a A 301 LAUDIS FLEXX 1 qt/a C 505 MSO ULTRA 1 qt/a C 804 N-PAK - AMS 2.5 % v/v C Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	0 0 0 0 0 0	100 100 95 100 100 99	100 100 100 100 100 100
16	14 CORVUS 4 fl oz/a A 205 AATREX 1 qt/a A 302 CAPRENO 3 fl oz/a C 608 PRIME OIL - COC 1 qt/a C 805 N-PAK - AMS 2.5 % v/v C Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	5 15 25 15 15 15	99 100 95 99 99 98	100 100 100 100 100 100
17	15 CORVUS 4 fl oz/a A 206 AATREX 1 qt/a A 401 STATUS 3 oz/a C 509 ROUNDUP POWERMAX 22 fl oz/a C 704 N-PAK - AMS 2.5 % v/v C Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	0 0 0 0 0 0	99 99 95 97 97 98	100 100 100 100 100 100
18	16 DEGREE XTRA 3.2 qt/a A 207 LAUDIS FLEXX 1 qt/a C 304 MSO ULTRA 1 qt/a C 506 N-PAK - AMS 2.5 % v/v C 802 Mean = 100	100 100 100 100 100 100	100 100 100 100 100 100	0 0 0 5 1	99 100 95 100 99 99	99 100 100 100 100 100

Purdue Weed Science

	W Weed ABUTH velvetleaf	W Weed CHEAL Common lambsqu>	ZEAMX Corn	W Weed AMBTR Giant ragweed	W Weed AMARE Redroot pigweed	W Weed ABUTH velvetleaf	
Pest Type							
Pest Code							
Pest Name							
Crop Code							
Crop Name							
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P	PLOT P	
Rating Date	6/5/2015	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/9/2015	
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	
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	38 12	
Trt-Eval Interval	14 DA-B	14 DA-B	12 DA-C	12 DA-C	12 DA-C	12 DA-C	
Days After Emergence	27 DE-1	27 DE-1	31 DE-1	31 DE-1	31 DE-1	31 DE-1	
ARM Action Codes	P	P	P	P	P	P	
Number of Decimals	0	0	0	0	0	0	
Trt Treatment							
No. Name	Rate Unit Code Plot	16	17	18	19	20	21
17 RESOLVE Q @ 1.1 OZ/A	208	100	100	0	95	100	100
RESOLVE	0.81 oz/a A 306	100	100	10	95	100	100
HARMONY SG	0.088 oz/a A 503	100	100	0	99	100	95
ISOXADIFEN-ETHYL	0.2024 oz/a A 808	100	100	0	85	100	100
ROUNDUP POWERMAX	22 fl oz/a C						
N-PAK - AMS	2.5 % v/v C						
	Mean =	100	100	3	94	100	99
18 Untreated Check	209	0	0	0	0	0	0
	403	0	0	0	0	0	0
	606	0	0	0	0	0	0
	709	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	CHEAL	ECHCG		AMBTR	AMARE
Pest Name	Common lambsqu>	Common barnyar>		Giant ragweed	Redroot pigweed
Crop Code			ZEAMX		
Crop Name			Corn		
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P
Rating Date	6/9/2015	6/9/2015	6/28/2015	6/28/2015	6/28/2015
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	38 12	38 12	57 31	57 31	57 31
Trt-Eval Interval	12 DA-C	12 DA-C	37 DA-B	37 DA-B	37 DA-B
Days After Emergence	31 DE-1	31 DE-1	50 DE-1	50 DE-1	50 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate	Unit Code Plot	22	23	24
1 Untreated Check		101	0	0	0
		405	0	0	0
		604	0	0	0
		809	0	0	0
		Mean =	0	0	0
2 CORVUS	5.6 fl oz/a	A 102	100	90	0
AATREX	1.5 qt/a	A 303	100	100	0
		508	100	100	0
		703	100	100	0
		Mean =	100	98	0
3 BALANCE FLEXX	4.5 fl oz/a	A 103	100	95	0
BICEP II MAGNUM	2 qt/a	A 406	100	100	0
		507	100	100	0
		807	100	100	0
		Mean =	100	99	0
4 LEXAR EZ	3 qt/a	A 104	100	99	0
		407	100	100	0
		502	100	100	0
		706	100	100	0
		Mean =	100	100	0
5 TRIPLEFLEX	3 pt/a	A 105	100	100	5
AATREX	1.5 qt/a	A 309	100	100	0
		601	100	100	0
		806	100	100	0
		Mean =	100	100	1
6 ACURON	3 qt/a	A 106	100	100	5
		308	100	100	0
		607	100	100	0
		708	100	100	0
		Mean =	100	100	1
7 CAPRENO	3 fl oz/a	B 107	100	99	0
AATREX	1 qt/a	B 409	100	100	0
ROUNDUP POWERMAX	22 fl oz/a	B 504	100	100	0
N-PAK - AMS	2.5 % v/v	B 801	100	100	0
		Mean =	100	100	0

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed
Pest Code	CHEAL	ECHCG		AMBTR	AMARE
Pest Name	Common lambsqu>	Common barnyar>		Giant ragweed	Redroot pigweed
Crop Code			ZEAMX		
Crop Name			Corn		
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P
Rating Date	6/9/2015	6/9/2015	6/28/2015	6/28/2015	6/28/2015
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	38 12	38 12	57 31	57 31	57 31
Trt-Eval Interval	12 DA-C	12 DA-C	37 DA-B	37 DA-B	37 DA-B
Days After Emergence	31 DE-1	31 DE-1	50 DE-1	50 DE-1	50 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Appl			
No. Name	Unit	Code Plot	22	23	24
8 CAPRENO	3 fl oz/a	B 108	100	99	0
DIFLEXX	12 fl oz/a	B 307	100	100	0
ROUNDUP POWERMAX	22 fl oz/a	B 609	100	100	0
N-PAK - AMS	2.5 % v/v	B 701	100	100	0
		Mean =	100	100	0
9 HALEX GT	3.6 pt/a	B 109	100	99	0
AATREX	1 qt/a	B 408	100	100	0
ACTIVATOR 90 - NIS	0.25 % v/v	B 501	100	100	0
N-PAK - AMS	2.5 % v/v	B 803	100	100	0
		Mean =	100	100	0
10 CORVUS	4 fl oz/a	A 201	100	100	0
AATREX	1 qt/a	A 404	100	100	0
DIFLEXX	6 fl oz/a	C 602	100	100	0
ROUNDUP POWERMAX	22 fl oz/a	C 705	100	100	0
N-PAK - AMS	2.5 % v/v	C	100	100	0
		Mean =	100	100	0
11 BALANCE FLEXX	4 fl oz/a	A 202	100	99	0
AATREX	1 qt/a	A 305	100	100	0
DIFLEXX	8 fl oz/a	C 603	100	100	0
LIBERTY 280 SL	22 fl oz/a	C 702	100	100	0
N-PAK - AMS	2.5 % v/v	C	100	100	0
		Mean =	100	100	0
12 BALANCE FLEXX	4 fl oz/a	A 203	100	100	0
AATREX	1 qt/a	A 402	100	100	0
DIFLEXX	6 fl oz/a	C 605	100	100	0
ROUNDUP POWERMAX	22 fl oz/a	C 707	100	100	0
N-PAK - AMS	2.5 % v/v	C	100	100	0
		Mean =	100	100	0
13 BALANCE FLEXX	4 fl oz/a	A 204	100	100	0
AATREX	1 qt/a	A 301	100	100	0
LAUDIS FLEXX	1 qt/a	C 505	100	100	0
MSO ULTRA	1 qt/a	C 804	100	100	0
N-PAK - AMS	2.5 % v/v	C	100	100	0
		Mean =	100	100	0
14 CORVUS	4 fl oz/a	A 205	100	100	0
AATREX	1 qt/a	A 302	100	100	0
CAPRENO	3 fl oz/a	C 608	100	100	0
PRIME OIL - COC	1 qt/a	C 805	100	100	0
N-PAK - AMS	2.5 % v/v	C	100	100	0
		Mean =	100	100	0
15 CORVUS	4 fl oz/a	A 206	100	99	0
AATREX	1 qt/a	A 401	100	100	0
STATUS	3 oz/a	C 509	100	100	0
ROUNDUP POWERMAX	22 fl oz/a	C 704	100	100	0
N-PAK - AMS	2.5 % v/v	C	100	100	0
		Mean =	100	100	0
16 DEGREE XTRA	3.2 qt/a	A 207	100	100	0
LAUDIS FLEXX	1 qt/a	C 304	100	100	0
MSO ULTRA	1 qt/a	C 506	100	100	0
N-PAK - AMS	2.5 % v/v	C 802	100	100	0
		Mean =	100	100	0

Purdue Weed Science

	W Weed CHEAL Common lambsqu>	W Weed ECHCG Common barnyar>	ZEAMX Corn PLOT C 6/28/2015 PHYGEN	W Weed AMBTR Giant ragweed PLOT P 6/28/2015 CONTRO	W Weed AMARE Redroot pigweed PLOT P 6/28/2015 CONTRO
Pest Type					
Pest Code					
Pest Name					
Crop Code					
Crop Name					
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P
Rating Date	6/9/2015	6/9/2015	6/28/2015	6/28/2015	6/28/2015
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	38 12	38 12	57 31	57 31	57 31
Trit-Eval Interval	12 DA-C	12 DA-C	37 DA-B	37 DA-B	37 DA-B
Days After Emergence	31 DE-1	31 DE-1	50 DE-1	50 DE-1	50 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trit Treatment					
No. Name	Rate Unit Code Plot				
		22	23	24	25
17 RESOLVE Q @ 1.1 OZ/A	208	100	97	0	95
RESOLVE 0.81 oz/a A	306	100	100	0	90
HARMONY SG 0.088 oz/a A	503	100	100	0	90
ISOXADIFEN-ETHYL 0.2024 oz/a A	808	100	100	0	85
ROUNDUP POWERMAX 22 fl oz/a C					100
N-PAK - AMS 2.5 % v/v C					
Mean =		100	99	0	90
18 Untreated Check	209	0	0	0	0
	403	0	0	0	0
	606	0	0	0	0
	709	0	0	0	0
Mean =		0	0	0	0

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed		W Weed
Pest Code	ABUTH	CHEAL	ECHCG		AMBTR
Pest Name	velvetleaf	Common lambsqu>	Common barnyar>		Giant ragweed
Crop Code					
Crop Name				ZEAMX	
Part Rated				Corn	
Rating Date	PLOT P	PLOT P	PLOT P	PLOT C	PLOT P
Rating Type	6/28/2015	6/28/2015	6/28/2015	7/1/2015	7/1/2015
Rating Unit	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO
Number of Subsamples	%	%	%	%	%
Days After First/Last Applic.	1	1	1	1	1
Tri-Eval Interval	57 31	57 31	57 31	60 34	60 34
Days After Emergence	37 DA-B	37 DA-B	37 DA-B	34 DA-C	34 DA-C
ARM Action Codes	50 DE-1	50 DE-1	50 DE-1	53 DE-1	53 DE-1
Number of Decimals	P	P	P	P	P
	0	0	0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate	Unit Code Plot	27	28	29
1 Untreated Check			101	0	0
			405	0	0
			604	0	0
			809	0	0
		Mean =	0	0	0
2 CORVUS	5.6 fl oz/a	A	102	100	95
AATREX	1.5 qt/a	A	303	100	99
			508	100	100
			703	100	100
		Mean =	100	100	99
3 BALANCE FLEXX	4.5 fl oz/a	A	103	100	95
BICEP II MAGNUM	2 qt/a	A	406	100	100
			507	100	100
			807	100	95
		Mean =	100	100	98
4 LEXAR EZ	3 qt/a	A	104	100	100
			407	100	100
			502	100	100
			706	100	100
		Mean =	100	100	100
5 TRIPLEFLEX	3 pt/a	A	105	100	100
AATREX	1.5 qt/a	A	309	100	100
			601	100	100
			806	100	100
		Mean =	100	100	100
6 ACURON	3 qt/a	A	106	100	100
			308	100	100
			607	100	100
			708	100	100
		Mean =	100	100	100
7 CAPRENO	3 fl oz/a	B	107	100	95
AATREX	1 qt/a	B	409	100	100
ROUNDUP POWERMAX	22 fl oz/a	B	504	100	95
N-PAK - AMS	2.5 % v/v	B	801	100	100
		Mean =	100	100	98
					5
					1

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	CHEAL	ECHCG	AMBTR
Pest Name	velvetleaf	Common lambsqu>	Common barnyar>	Giant ragweed
Crop Code				ZEAMX
Crop Name				Corn
Part Rated	PLOT P	PLOT P	PLOT P	PLOT C
Rating Date	6/28/2015	6/28/2015	6/28/2015	7/1/2015
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	57 31	57 31	57 31	60 34
Tri-Eval Interval	37 DA-B	37 DA-B	37 DA-B	34 DA-C
Days After Emergence	50 DE-1	50 DE-1	50 DE-1	53 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Tri Treatment	Rate	Appl		
No. Name	Unit	Code Plot	27	28
8 CAPRENO	3 fl oz/a B	108	100	100
DIFLEXX	12 fl oz/a B	307	100	100
ROUNDUP POWERMAX	22 fl oz/a B	609	100	100
N-PAK - AMS	2.5 % v/v B	701	100	100
	Mean =		100	100
9 HALEX GT	3.6 pt/a B	109	100	100
AATREX	1 qt/a B	408	100	100
ACTIVATOR 90 - NIS	0.25 % v/v B	501	100	100
N-PAK - AMS	2.5 % v/v B	803	100	100
	Mean =		100	100
10 CORVUS	4 fl oz/a A	201	100	100
AATREX	1 qt/a A	404	100	100
DIFLEXX	6 fl oz/a C	602	100	100
ROUNDUP POWERMAX	22 fl oz/a C	705	100	100
N-PAK - AMS	2.5 % v/v C			
	Mean =		100	100
11 BALANCE FLEXX	4 fl oz/a A	202	100	100
AATREX	1 qt/a A	305	100	100
DIFLEXX	8 fl oz/a C	603	100	100
LIBERTY 280 SL	22 fl oz/a C	702	100	100
N-PAK - AMS	2.5 % v/v C			
	Mean =		100	99
12 BALANCE FLEXX	4 fl oz/a A	203	100	100
AATREX	1 qt/a A	402	100	100
DIFLEXX	6 fl oz/a C	605	100	100
ROUNDUP POWERMAX	22 fl oz/a C	707	100	100
N-PAK - AMS	2.5 % v/v C			
	Mean =		100	98
13 BALANCE FLEXX	4 fl oz/a A	204	100	100
AATREX	1 qt/a A	301	100	100
LAUDIS FLEXX	1 qt/a C	505	100	100
MSO ULTRA	1 qt/a C	804	100	100
N-PAK - AMS	2.5 % v/v C			
	Mean =		100	98
14 CORVUS	4 fl oz/a A	205	100	100
AATREX	1 qt/a A	302	100	100
CAPRENO	3 fl oz/a C	608	100	100
PRIME OIL - COC	1 qt/a C	805	100	100
N-PAK - AMS	2.5 % v/v C			
	Mean =		100	100
15 CORVUS	4 fl oz/a A	206	100	100
AATREX	1 qt/a A	401	100	100
STATUS	3 oz/a C	509	100	100
ROUNDUP POWERMAX	22 fl oz/a C	704	100	100
N-PAK - AMS	2.5 % v/v C			
	Mean =		100	100
16 DEGREE XTRA	3.2 qt/a A	207	100	100
LAUDIS FLEXX	1 qt/a C	304	100	100
MSO ULTRA	1 qt/a C	506	100	100
N-PAK - AMS	2.5 % v/v C	802	100	100
	Mean =		100	100

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	CHEAL	ECHCG	AMBTR
Pest Name	velvetleaf	Common lambsqu>	Common barnyar>	Giant ragweed
Crop Code				ZEAMX
Crop Name				Corn
Part Rated	PLOT P	PLOT P	PLOT P	PLOT C
Rating Date	6/28/2015	6/28/2015	6/28/2015	7/1/2015
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	57 31	57 31	57 31	60 34
Trit-Eval Interval	37 DA-B	37 DA-B	37 DA-B	34 DA-C
Days After Emergence	50 DE-1	50 DE-1	50 DE-1	53 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trit Treatment	Rate	Appl		
No. Name	Rate	Unit Code Plot	27	28
17 RESOLVE Q @ 1.1 OZ/A		208	99	100
RESOLVE	0.81 oz/a	A 306	99	99
HARMONY SG	0.088 oz/a	A 503	95	100
ISOXADIFEN-ETHYL	0.2024 oz/a	A 808	100	100
ROUNDUP POWERMAX	22 fl oz/a	C		
N-PAK - AMS	2.5 % v/v	C		
		Mean =	98	100
18 Untreated Check		209	0	0
		403	0	0
		606	0	0
		709	0	0
		Mean =	0	0
			95	95
			95	95
			85	75
			94	88
			0	0
			0	0
			0	0
			0	0
			0	0

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed	
Pest Code	AMARE	ABUTH	CHEAL	ECHCG	
Pest Name	Redroot pigweed	velvetleaf	Common lambsqu>	Common barnyar>	
Crop Code					ZEAMX
Crop Name					Corn
Part Rated					PLOT C
Rating Date	PLOT P	PLOT P	PLOT P	PLOT P	9/24/2015
Rating Type	7/1/2015	7/1/2015	7/1/2015	7/1/2015	YIELD
Rating Unit	CONTRO	CONTRO	CONTRO	CONTRO	lb/plot
Number of Subsamples	%	%	%	%	1
Days After First/Last Applic.	1	1	1	1	145 119
Trt-Eval Interval	60 34	60 34	60 34	60 34	
Days After Emergence	34 DA-C	34 DA-C	34 DA-C	34 DA-C	
ARM Action Codes	53 DE-1	53 DE-1	53 DE-1	53 DE-1	138 DE-1
Number of Decimals	P	P	P	P	
	0	0	0	0	2
Trt Treatment	Rate	Appl			
No. Name	Rate	Unit	Code	Plot	
				32	33
				34	35
				36	
1 Untreated Check				101	0
				405	0
				604	0
				809	0
				Mean =	0
2 CORVUS	5.6 fl oz/a	A		102	95
AATREX	1.5 qt/a	A		303	100
				508	100
				703	100
				Mean =	99
3 BALANCE FLEXX	4.5 fl oz/a	A		103	100
BICEP II MAGNUM	2 qt/a	A		406	100
				507	100
				807	100
				Mean =	100
4 LEXAR EZ	3 qt/a	A		104	100
				407	100
				502	100
				706	100
				Mean =	100
5 TRIPLEFLEX	3 pt/a	A		105	100
AATREX	1.5 qt/a	A		309	100
				601	100
				806	100
				Mean =	100
6 ACURON	3 qt/a	A		106	100
				308	100
				607	100
				708	100
				Mean =	100
7 CAPRENO	3 fl oz/a	B		107	100
AATREX	1 qt/a	B		409	100
ROUNDUP POWERMAX	22 fl oz/a	B		504	100
N-PAK - AMS	2.5 % v/v	B		801	100
				Mean =	100
					100
					100
					100
					90
					97
					100
					98
					96
					41.97
					34.88
					40.25
					46.00
					40.78

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed			
Pest Code	AMARE	ABUTH	CHEAL	ECHCG			
Pest Name	Redroot pigweed	velvetleaf	Common lambsqu>	Common barnyar>			
Crop Code					ZEAMX		
Crop Name					Corn		
Part Rated							
Rating Date	PLOT P	PLOT P	PLOT P	PLOT P	PLOT C		
Rating Type	7/1/2015	7/1/2015	7/1/2015	7/1/2015	9/24/2015		
Rating Unit	CONTRO	CONTRO	CONTRO	CONTRO	YIELD		
Number of Subsamples	%	%	%	%	lb/plot		
Days After First/Last Applic.	1	1	1	1	1		
Tri-Eval Interval	60 34	60 34	60 34	60 34	145 119		
Days After Emergence	34 DA-C	34 DA-C	34 DA-C	34 DA-C			
ARM Action Codes	53 DE-1	53 DE-1	53 DE-1	53 DE-1	138 DE-1		
Number of Decimals	P	P	P	P			
	0	0	0	0	2		
Tri Treatment	Rate	Appl					
No. Name	Rate Unit	Code Plot	32	33	34	35	36
8 CAPRENO	3 fl oz/a B	108	100	100	100	93	41.06
DIFLEXX	12 fl oz/a B	307	98	99	95	87	38.85
ROUNDUP POWERMAX	22 fl oz/a B	609	100	100	100	99	29.34
N-PAK - AMS	2.5 % v/v B	701	100	100	100	95	40.57
	Mean =		100	100	99	94	37.46
9 HALEX GT	3.6 pt/a B	109	100	100	100	95	44.66
AATREX	1 qt/a B	408	100	100	100	98	33.16
ACTIVATOR 90 - NIS	0.25 % v/v B	501	100	100	100	100	38.91
N-PAK - AMS	2.5 % v/v B	803	100	100	100	94	47.78
	Mean =		100	100	100	97	41.12
10 CORVUS	4 fl oz/a A	201	100	100	100	100	44.61
AATREX	1 qt/a A	404	100	99	100	100	33.00
DIFLEXX	6 fl oz/a C	602	99	100	100	99	30.63
ROUNDUP POWERMAX	22 fl oz/a C	705	100	100	100	95	44.87
N-PAK - AMS	2.5 % v/v C						
	Mean =		100	100	100	99	38.28
11 BALANCE FLEXX	4 fl oz/a A	202	95	100	100	95	42.19
AATREX	1 qt/a A	305	100	100	100	94	41.86
DIFLEXX	8 fl oz/a C	603	100	100	100	99	33.43
LIBERTY 280 SL	22 fl oz/a C	702	100	100	100	92	41.00
N-PAK - AMS	2.5 % v/v C						
	Mean =		99	100	100	95	39.62
12 BALANCE FLEXX	4 fl oz/a A	203	95	99	100	95	43.48
AATREX	1 qt/a A	402	100	100	100	95	33.05
DIFLEXX	6 fl oz/a C	605	99	99	99	95	35.47
ROUNDUP POWERMAX	22 fl oz/a C	707	100	100	100	87	43.21
N-PAK - AMS	2.5 % v/v C						
	Mean =		99	100	100	93	38.80
13 BALANCE FLEXX	4 fl oz/a A	204	100	100	100	95	47.51
AATREX	1 qt/a A	301	98	98	100	96	40.79
LAUDIS FLEXX	1 qt/a C	505	99	99	99	93	39.61
MSO ULTRA	1 qt/a C	804	100	100	100	95	44.77
N-PAK - AMS	2.5 % v/v C						
	Mean =		99	99	100	95	43.17
14 CORVUS	4 fl oz/a A	205	100	100	100	100	45.30
AATREX	1 qt/a A	302	99	100	100	100	39.71
CAPRENO	3 fl oz/a C	608	100	100	100	100	27.78
PRIME OIL - COC	1 qt/a C	805	100	100	100	100	45.68
N-PAK - AMS	2.5 % v/v C						
	Mean =		100	100	100	100	39.62
15 CORVUS	4 fl oz/a A	206	100	100	100	100	44.87
AATREX	1 qt/a A	401	100	100	100	100	28.80
STATUS	3 oz/a C	509	100	100	100	99	39.82
ROUNDUP POWERMAX	22 fl oz/a C	704	100	100	100	94	40.84
N-PAK - AMS	2.5 % v/v C						
	Mean =		100	100	100	98	38.59
16 DEGREE XTRA	3.2 qt/a A	207	100	100	100	100	43.21
LAUDIS FLEXX	1 qt/a C	304	100	100	100	100	44.01
MSO ULTRA	1 qt/a C	506	100	99	99	100	42.03
N-PAK - AMS	2.5 % v/v C	802	100	100	100	100	46.16
	Mean =		100	100	100	100	43.85

Purdue Weed Science

Pest Type									
Pest Code		W Weed	W Weed	W Weed	W Weed				
Pest Name		AMARE	ABUTH	CHEAL	ECHCG				
Crop Code		Redroot pigweed	velvetleaf	Common lambsqu>	Common barnyar>				
Crop Name								ZEAMX	
Part Rated								Corn	
Rating Date		PLOT P	PLOT P	PLOT P	PLOT P			PLOT C	
Rating Type		7/1/2015	7/1/2015	7/1/2015	7/1/2015			9/24/2015	
Rating Unit		CONTRO	CONTRO	CONTRO	CONTRO			YIELD	
Number of Subsamples		%	%	%	%			lb/plot	
Days After First/Last Applic.		1	1	1	1			1	
Tri-Eval Interval		60 34	60 34	60 34	60 34			145 119	
Days After Emergence		34 DA-C	34 DA-C	34 DA-C	34 DA-C				
ARM Action Codes		53 DE-1	53 DE-1	53 DE-1	53 DE-1			138 DE-1	
Number of Decimals		P	P	P	P				
		0	0	0	0			2	
Tri Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	Plot					
				32	33	34	35	36	
17 RESOLVE Q @ 1.1 OZ/A				208	100	100	100	90	42.35
RESOLVE	0.81 oz/a	A		306	98	90	90	95	41.54
HARMONY SG	0.088 oz/a	A		503	100	95	95	95	41.54
ISOXADIFEN-ETHYL	0.2024 oz/a	A		808	100	100	100	80	31.11
ROUNDUP POWERMAX	22 fl oz/a	C							
N-PAK - AMS	2.5 % v/v	C							
			Mean =		100	96	96	90	39.14
18 Untreated Check				209	0	0	0	0	10.26
				403	0	0	0	0	22.30
				606	0	0	0	0	12.95
				709	0	0	0	0	16.49
			Mean =		0	0	0	0	15.50

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					TY1
Number of Decimals				2	1
Trt Treatment		Rate	Appl		
No. Name		Rate	Unit Code Plot	37	38
1 Untreated Check			101	19.62	28.0
			405	18.11	69.0
			604	20.52	141.2
			809	12.61	19.0
			Mean =	17.72	64.3
2 CORVUS	5.6 fl oz/a	A	102	16.59	230.1
AATREX	1.5 qt/a	A	303	19.03	265.0
			508	19.48	242.8
			703	20.01	270.4
			Mean =	18.78	252.1
3 BALANCE FLEXX	4.5 fl oz/a	A	103	15.80	225.9
BICEP II MAGNUM	2 qt/a	A	406	18.76	181.3
			507	19.64	240.4
			807	19.85	240.1
			Mean =	18.51	221.9
4 LEXAR EZ	3 qt/a	A	104	15.49	246.8
			407	17.38	216.5
			502	19.98	274.3
			706	19.97	269.2
			Mean =	18.20	251.7
5 TRIPLEFLEX	3 pt/a	A	105	17.75	252.9
AATREX	1.5 qt/a	A	309	19.72	197.3
			601	21.46	171.3
			806	20.65	258.1
			Mean =	19.90	219.9
6 ACURON	3 qt/a	A	106	16.69	257.8
			308	19.16	249.5
			607	20.56	193.7
			708	20.23	262.0
			Mean =	19.16	240.8
7 CAPRENO	3 fl oz/a	B	107	16.72	257.4
AATREX	1 qt/a	B	409	19.19	207.5
ROUNDUP POWERMAX	22 fl oz/a	B	504	19.77	237.8
N-PAK - AMS	2.5 % v/v	B	801	20.45	269.5
			Mean =	19.03	243.1

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					TY1
Number of Decimals				2	1
Trt	Treatment	Rate	Appl		
No. Name		Unit	Code Plot	37	38
8	CAPRENO	3 fl oz/a	B 108	18.91	245.2
	DIFLEXX	12 fl oz/a	B 307	19.41	230.6
	ROUNDUP POWERMAX	22 fl oz/a	B 609	21.10	170.5
	N-PAK - AMS	2.5 % v/v	B 701	20.61	237.2
			Mean =	20.01	220.9
9	HALEX GT	3.6 pt/a	B 109	17.10	272.6
	AATREX	1 qt/a	B 408	18.66	198.6
	ACTIVATOR 90 - NIS	0.25 % v/v	B 501	19.82	229.8
	N-PAK - AMS	2.5 % v/v	B 803	20.78	278.7
			Mean =	19.09	244.9
10	CORVUS	4 fl oz/a	A 201	18.49	267.8
	AATREX	1 qt/a	A 404	17.93	199.4
	DIFLEXX	6 fl oz/a	C 602	20.80	178.7
	ROUNDUP POWERMAX	22 fl oz/a	C 705	19.62	265.6
	N-PAK - AMS	2.5 % v/v	C		
			Mean =	19.21	227.9
11	BALANCE FLEXX	4 fl oz/a	A 202	17.80	255.4
	AATREX	1 qt/a	A 305	19.72	247.5
	DIFLEXX	8 fl oz/a	C 603	20.15	196.6
	LIBERTY 280 SL	22 fl oz/a	C 702	20.38	240.4
	N-PAK - AMS	2.5 % v/v	C		
			Mean =	19.51	235.0
12	BALANCE FLEXX	4 fl oz/a	A 203	17.93	262.8
	AATREX	1 qt/a	A 402	19.63	195.6
	DIFLEXX	6 fl oz/a	C 605	19.30	210.8
	ROUNDUP POWERMAX	22 fl oz/a	C 707	19.97	254.7
	N-PAK - AMS	2.5 % v/v	C		
			Mean =	19.21	230.9
13	BALANCE FLEXX	4 fl oz/a	A 204	17.53	288.5
	AATREX	1 qt/a	A 301	19.17	242.8
	LAUDIS FLEXX	1 qt/a	C 505	17.00	242.1
	MSO ULTRA	1 qt/a	C 804	20.17	263.2
	N-PAK - AMS	2.5 % v/v	C		
			Mean =	18.47	259.2
14	CORVUS	4 fl oz/a	A 205	18.32	272.5
	AATREX	1 qt/a	A 302	19.95	234.1
	CAPRENO	3 fl oz/a	C 608	21.44	160.7
	PRIME OIL - COC	1 qt/a	C 805	21.17	265.2
	N-PAK - AMS	2.5 % v/v	C		
			Mean =	20.22	233.1
15	CORVUS	4 fl oz/a	A 206	17.96	271.1
	AATREX	1 qt/a	A 401	19.60	170.5
	STATUS	3 oz/a	C 509	19.18	237.0
	ROUNDUP POWERMAX	22 fl oz/a	C 704	18.92	243.9
	N-PAK - AMS	2.5 % v/v	C		
			Mean =	18.92	230.6
16	DEGREE XTRA	3.2 qt/a	A 207	17.64	262.1
	LAUDIS FLEXX	1 qt/a	C 304	19.40	261.3
	MSO ULTRA	1 qt/a	C 506	19.03	250.6
	N-PAK - AMS	2.5 % v/v	C 802	20.91	268.9
			Mean =	19.24	260.7

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				TY1	
Number of Decimals		2		1	
Trt Treatment					
No. Name	Rate	Unit	Appl Code	Plot	
17 RESOLVE Q @ 1.1 OZ/A				208	17.96
RESOLVE	0.81 oz/a	A		306	19.29
HARMONY SG	0.088 oz/a	A		503	19.92
ISOXADIFEN-ETHYL	0.2024 oz/a	A		808	21.23
ROUNDUP POWERMAX	22 fl oz/a	C			
N-PAK - AMS	2.5 % v/v	C			
			Mean =		19.60
					232.1
18 Untreated Check				209	16.79
				403	20.10
				606	18.52
				709	19.46
			Mean =		18.72
					62.9
					131.2
					77.7
					97.8
					92.4

Purdue Weed Science

Weed Control Programs in Corn - Northern University Field Demos

Trial ID: 15S-THP-CTC-02 Location: TPAC Trial Year: 2015
 Protocol ID: 15S-THP-CTC-02 Investigator: Dr. Bill Johnson
 Project ID: HP15USABLDUEF1 Study Director: Joe Ikley
 Sponsor Contact: Bayer - Alan Kurtz

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

Pest Code
 ECHCG, Echinochloa crus-galli, = US
 AMBTR, Ambrosia trifida, = US
 AMARE, Amaranthus retroflexus, = US
 ABUTH, Abutilon theophrasti, = US
 CHEAL, Chenopodium album, = US

Crop Code
 ZEAMX, BCOR, Zea mays, = US

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

Rating Type
 CONTRO = control / burndown or knockdown
 PHYGEN = phytotoxicity - general / injury
 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)
 TY1 = $6.222857 * [36] * (100 - [37]) / 84.5$

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ECHCG	AMBTR	AMARE	ABUTH	CHEAL
Pest Name	Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf	Common lambsqu>
Crop Code					
Crop Name					
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	5/22/2015	5/22/2015	5/22/2015	5/22/2015	5/22/2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	20 20	20 20	20 20	20 20	20 20
Trt-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	13 DE-1	13 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment					
No. Name	1	2	3	4	5
Rate					
Unit					
Appl Code					
1 Untreated Check	0 d	0 f	0 b	0 c	0 c
2 CORVUS	100 a	96 abc	100 a	100 a	100 a
AATREX					
3 BALANCE FLEXX	100 a	90 cd	100 a	100 a	100 a
BICEP II MAGNUM					
4 LEXAR EZ	100 a	97 ab	100 a	100 a	100 a
5 TRIPLEFLEX	100 a	98 ab	100 a	100 a	100 a
AATREX					
6 ACURON	100 a	95 a-d	100 a	100 a	100 a
7 CAPRENO	0 d	0 f	0 b	0 c	0 c
AATREX					
ROUNDUP POWERMAX					
N-PAK - AMS					
8 CAPRENO	0 d	0 f	0 b	0 c	0 c
DIFLEXX					
ROUNDUP POWERMAX					
N-PAK - AMS					

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	ECHCG	AMBTR	AMARE	ABUTH	CHEAL		
Pest Name	Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf	Common lambsqu>		
Crop Code							
Crop Name							
Part Rated							
Rating Date	5/22/2015	5/22/2015	5/22/2015	5/22/2015	5/22/2015		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1		
Days After First/Last Applic.	20 20	20 20	20 20	20 20	20 20		
Trt-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B		
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	13 DE-1	13 DE-1		
ARM Action Codes	P	P	P	P	P		
Number of Decimals	0	0	0	0	0		
Trt Treatment No. Name	Rate	Appl Unit Code	1	2	3	4	5
9 HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	3.6 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	B B B B	0 d	0 f	0 b	0 c	0 c
10 CORVUS AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	100 a	99 ab	100 a	100 a	100 a
11 BALANCE FLEXX AATREX DIFLEXX LIBERTY 280 SL N-PAK - AMS	4 fl oz/a 1 qt/a 8 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	99 b	100 a	100 a	100 a	100 a
12 BALANCE FLEXX AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	100 a	93 a-d	100 a	100 a	100 a
13 BALANCE FLEXX AATREX LAUDIS FLEXX MSO ULTRA N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A A C C C	100 a	99 ab	100 a	100 a	100 a
14 CORVUS AATREX CAPRENO PRIME OIL - COC N-PAK - AMS	4 fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 2.5 % v/v	A A C C C	100 a	98 ab	100 a	100 a	100 a
15 CORVUS AATREX STATUS ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 3 oz/a 22 fl oz/a 2.5 % v/v	A A C C C	100 a	93 bcd	100 a	100 a	100 a
16 DEGREE XTRA LAUDIS FLEXX MSO ULTRA N-PAK - AMS	3.2 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A C C C	100 a	81 e	100 a	80 b	99 b
17 RESOLVE Q @ 1.1 OZ/A RESOLVE HARMONY SG ISOXADIFEN-ETHYL ROUNDUP POWERMAX N-PAK - AMS	0.81 oz/a 0.088 oz/a 0.2024 oz/a 22 fl oz/a 2.5 % v/v	A A A C C	95 c	88 d	100 a	81 b	100 a

Purdue Weed Science

Pest Type	W Weed ECHCG Common barnyar>	W Weed AMBTR Giant ragweed	W Weed AMARE Redroot pigweed	W Weed ABUTH velvetleaf	W Weed CHEAL Common lambsqu>
Crop Code					
Crop Name					
Part Rated	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	5/22/2015	5/22/2015	5/22/2015	5/22/2015	5/22/2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	20 20	20 20	20 20	20 20	20 20
Trt-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	13 DE-1	13 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment No. Name	Rate	Rate	Rate	Rate	Rate
	Unit	Unit	Unit	Unit	Unit
	Code	Code	Code	Code	Code
	1	2	3	4	5
18 Untreated Check	0 d	0 f	0 b	0 c	0 c
LSD P=.05	0.8	6.7	.	2.9	0.8
Standard Deviation	0.6	4.7	0.0	2.0	0.6
CV	0.82	6.91	0.0	2.88	0.82
Bartlett's X2	0.0	22.903	0.0	12.77	0.0
P(Bartlett's X2)	.	0.018*	.	0.001*	.
Skewness	-1.0109*	-0.9115*	-1.0135*	-0.9536*	-1.013*
Kurtosis	-1.003	-1.1301	-1.0014	-1.0526	-1.0017
Replicate F	1.000	0.627	0.000	0.916	1.000
Replicate Prob(F)	0.4005	0.6009	1.0000	0.4398	0.4005
Treatment F	24251.826	344.671	0.000	1994.158	24424.532
Treatment Prob(F)	0.0001	0.0001	1.0000	0.0001	0.0001

Purdue Weed Science

Pest Type		W Weed ECHCG	W Weed AMBTR	W Weed AMARE	W Weed ABUTH				
Pest Code		Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf				
Pest Name									
Crop Code	ZEAMX								
Crop Name	Corn								
Part Rated	PLOT C	PLOT P	PLOT P	PLOT P	PLOT P				
Rating Date	5/28/2015	5/28/2015	5/28/2015	5/28/2015	5/28/2015				
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.	26 6	26 6	26 6	26 6	26 6				
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C				
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1				
ARM Action Codes	P	P	P	P	P				
Number of Decimals	0	0	0	0	0				
Trt No.	Treatment Name	Rate	Unit	Appl Code	6	7	8	9	10
1	Untreated Check				0 a	0 d	0 e	0 b	0 d
2	CORVUS AATREX	5.6 fl oz/a 1.5 qt/a	A A		0 a	100 ab	94 ab	100 a	100 a
3	BALANCE FLEXX BICEP II MAGNUM	4.5 fl oz/a 2 qt/a	A A		0 a	100 a	89 ab	100 a	100 a
4	LEXAR EZ	3 qt/a	A		0 a	100 a	97 ab	100 a	100 a
5	TRIPLEFLEX AATREX	3 pt/a 1.5 qt/a	A A		0 a	100 a	98 a	100 a	100 a
6	ACURON	3 qt/a	A		0 a	100 a	95 ab	100 a	100 a
7	CAPRENO AATREX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 1 qt/a 22 fl oz/a 2.5 % v/v	B B B B		0 a	98 ab	85 b	100 a	100 a
8	CAPRENO DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 12 fl oz/a 22 fl oz/a 2.5 % v/v	B B B B		1 a	96 ab	85 b	100 a	100 a

Purdue Weed Science

Pest Type Pest Code Pest Name		W Weed ECHCG Common barnyar>	W Weed AMBTR Giant ragweed	W Weed AMARE Redroot pigweed	W Weed ABUTH velvetleaf		
Crop Code	ZEAMX						
Crop Name	Corn						
Part Rated	PLOT C	PLOT P	PLOT P	PLOT P	PLOT P		
Rating Date	5/28/2015	5/28/2015	5/28/2015	5/28/2015	5/28/2015		
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1		
Days After First/Last Applic.	26 6	26 6	26 6	26 6	26 6		
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C		
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1		
ARM Action Codes	P	P	P	P	P		
Number of Decimals	0	0	0	0	0		
Trt Treatment No. Name	Rate Unit	Appl Code	6	7	8	9	10
9 HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	3.6 pt/a B 1 qt/a B 0.25 % v/v B 2.5 % v/v B	B	0 a	93 b	91 ab	100 a	100 a
10 CORVUS AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a A 1 qt/a A 6 fl oz/a C 22 fl oz/a C 2.5 % v/v C	A	0 a	100 ab	97 ab	100 a	100 a
11 BALANCE FLEXX AATREX DIFLEXX LIBERTY 280 SL N-PAK - AMS	4 fl oz/a A 1 qt/a A 8 fl oz/a C 22 fl oz/a C 2.5 % v/v C	A	0 a	97 ab	100 a	100 a	100 a
12 BALANCE FLEXX AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a A 1 qt/a A 6 fl oz/a C 22 fl oz/a C 2.5 % v/v C	A	0 a	100 ab	94 ab	100 a	100 a
13 BALANCE FLEXX AATREX LAUDIS FLEXX MSO ULTRA N-PAK - AMS	4 fl oz/a A 1 qt/a A 1 qt/a C 1 qt/a C 2.5 % v/v C	A	0 a	100 a	100 a	100 a	100 a
14 CORVUS AATREX CAPRENO PRIME OIL - COC N-PAK - AMS	4 fl oz/a A 1 qt/a A 3 fl oz/a C 1 qt/a C 2.5 % v/v C	A	0 a	100 a	99 a	100 a	100 a
15 CORVUS AATREX STATUS ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a A 1 qt/a A 3 oz/a C 22 fl oz/a C 2.5 % v/v C	A	0 a	100 a	90 ab	100 a	100 a
16 DEGREE XTRA LAUDIS FLEXX MSO ULTRA N-PAK - AMS	3.2 qt/a A 1 qt/a C 1 qt/a C 2.5 % v/v C	A	0 a	99 ab	64 c	100 a	61 b
17 RESOLVE Q @ 1.1 OZ/A RESOLVE HARMONY SG ISOXADIFEN-ETHYL ROUNDUP POWERMAX N-PAK - AMS	0.81 oz/a A 0.088 oz/a A 0.2024 oz/a A 22 fl oz/a C 2.5 % v/v C	A	0 a	56 c	45 d	100 a	30 c

Purdue Weed Science

Pest Type		W Weed ECHCG	W Weed AMBTR	W Weed AMARE	W Weed ABUTH
Pest Code		Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf
Pest Name					
Crop Code	ZEAMX				
Crop Name	Corn				
Part Rated	PLOT C	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	5/28/2015	5/28/2015	5/28/2015	5/28/2015	5/28/2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	26 6	26 6	26 6	26 6	26 6
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Days After Emergence	19 DE-1	19 DE-1	19 DE-1	19 DE-1	19 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Rate	Rate	Rate	Rate
No. Name	Unit Code	Unit Code	Unit Code	Unit Code	Unit Code
	6	7	8	9	10
18 Untreated Check	0 a	0 d	0 e	0 b	0 d
LSD P=.05	0.4	7.3	12.5	.	8.2
Standard Deviation	0.3	5.2	8.8	0.0	5.8
CV	637.4	6.06	11.14	0.0	6.97
Bartlett's X2	1.327	53.333	58.428	0.0	33.202
P(Bartlett's X2)	0.249	0.001*	0.001*	.	0.001*
Skewness	6.7519*	-2.1362*	-1.762*	-2.5278*	-1.7483*
Kurtosis	47.4267*	2.9372*	1.7459*	4.5147*	1.3674*
Replicate F	0.722	0.392	2.745	0.000	0.197
Replicate Prob(F)	0.5435	0.7596	0.0525	1.0000	0.8979
Treatment F	0.938	159.617	52.478	0.000	148.813
Treatment Prob(F)	0.5368	0.0001	0.0001	1.0000	0.0001

Purdue Weed Science

Pest Type Pest Code Pest Name	W Weed CHEAL Common lambsqu>		W Weed ECHCG Common barnyar>		W Weed AMBTR Giant ragweed	W Weed AMARE Redroot pigweed	W Weed ABUTH velvetleaf	
Crop Code Crop Name Part Rated	ZEAMX Corn		ZEAMX Corn					
Rating Date Rating Type	PLOT P 5/28/2015 CONTRO	PLOT C 6/5/2015 PHYGEN	PLOT P 6/5/2015 CONTRO	PLOT P 6/5/2015 CONTRO	PLOT P 6/5/2015 CONTRO	PLOT P 6/5/2015 CONTRO	PLOT P 6/5/2015 CONTRO	
Rating Unit	%	%	%	%	%	%	%	
Number of Subsamples	1	1	1	1	1	1	1	
Days After First/Last Applic.	26 6	34 8	34 8	34 8	34 8	34 8	34 8	
Trt-Eval Interval	0 DA-C	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	
Days After Emergence	19 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1	27 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 Treatment No. Name	Rate	Appl Unit Code	11	12	13	14	15	16
1 Untreated Check			0 c	0 d	0 b	0 g	0 b	0 c
2 CORVUS AATREX	5.6 fl oz/a A 1.5 qt/a A		100 a	0 d	100 a	84 de	100 a	100 a
3 BALANCE FLEXX BICEP II MAGNUM	4.5 fl oz/a A 2 qt/a A		100 a	0 d	100 a	68 f	100 a	100 a
4 LEXAR EZ	3 qt/a A		100 a	3 d	100 a	86 cde	100 a	100 a
5 TRIPLEFLEX AATREX	3 pt/a A 1.5 qt/a A		100 a	5 cd	100 a	90 b-e	100 a	98 b
6 ACURON	3 qt/a A		100 a	0 d	100 a	81 e	100 a	100 a
7 CAPRENO AATREX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a B 1 qt/a B 22 fl oz/a B 2.5 % v/v B		100 a	0 d	100 a	96 ab	100 a	100 a
8 CAPRENO DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a B 12 fl oz/a B 22 fl oz/a B 2.5 % v/v B		95 b	0 d	100 a	95 abc	100 a	100 a

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	CHEAL	ECHCG	AMBTR	AMARE	ABUTH			
Pest Name	Common lambsqu>	Common barnyar>	Giant ragweed	Redroot pigweed	velvetleaf			
Crop Code		ZEAMX						
Crop Name		Corn						
Part Rated								
Rating Date	5/28/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015			
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1			
Days After First/Last Applic.	26 6	34 8	34 8	34 8	34 8			
Trt-Eval Interval	0 DA-C	14 DA-B	14 DA-B	14 DA-B	14 DA-B			
Days After Emergence	19 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1			
ARM Action Codes	P	P	P	P	P			
Number of Decimals	0	0	0	0	0			
Trt Treatment	Rate	Appl	11	12	13	14	15	16
No. Name	Rate	Unit Code						
9 HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	3.6 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	B B B B	100 a	1 d	100 a	99 ab	100 a	100 a
10 CORVUS AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	100 a	4 cd	100 a	100 a	100 a	100 a
11 BALANCE FLEXX AATREX DIFLEXX LIBERTY 280 SL N-PAK - AMS	4 fl oz/a 1 qt/a 8 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	100 a	11 b	100 a	100 a	100 a	100 a
12 BALANCE FLEXX AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	100 a	9 bc	100 a	96 ab	100 a	100 a
13 BALANCE FLEXX AATREX LAUDIS FLEXX MSO ULTRA N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A A C C C	100 a	9 bc	100 a	99 ab	100 a	100 a
14 CORVUS AATREX CAPRENO PRIME OIL - COC N-PAK - AMS	4 fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 2.5 % v/v	A A C C C	100 a	20 a	100 a	99 ab	100 a	100 a
15 CORVUS AATREX STATUS ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 3 oz/a 22 fl oz/a 2.5 % v/v	A A C C C	100 a	5 cd	100 a	94 abc	100 a	100 a
16 DEGREE XTRA LAUDIS FLEXX MSO ULTRA N-PAK - AMS	3.2 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A C C C	100 a	9 bc	100 a	86 cde	100 a	100 a
17 RESOLVE Q @ 1.1 OZ/A RESOLVE HARMONY SG ISOXADIFEN-ETHYL ROUNDUP POWERMAX N-PAK - AMS	0.81 oz/a 0.088 oz/a 0.2024 oz/a 22 fl oz/a 2.5 % v/v	A A A C C	95 b	4 cd	100 a	93 a-d	100 a	100 a

Purdue Weed Science

Pest Type	W Weed CHEAL Common lambsqu>		W Weed ECHCG Common barnyar>		W Weed AMBTR Giant ragweed		W Weed AMARE Redroot pigweed		W Weed ABUTH velvetleaf	
Pest Code										
Pest Name										
Crop Code	ZEAMX									
Crop Name	Corn									
Part Rated	PLOT P	PLOT C	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	5/28/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015	6/5/2015
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1	1	1	1	1
Days After First/Last Applic.	26 6	34 8	34 8	34 8	34 8	34 8	34 8	34 8	34 8	34 8
Trt-Eval Interval	0 DA-C	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Days After Emergence	19 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1
ARM Action Codes	P	P	P	P	P	P	P	P	P	P
Number of Decimals	0	0	0	0	0	0	0	0	0	0
Trt Treatment No. Name	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit
11			12		13		14		15	
16										
18 Untreated Check	0 c		0 d		0 b		0 g		0 b	0 c
LSD P=.05	4.2		5.3		.		9.9		.	1.7
Standard Deviation	2.9		3.7		0.0		7.0		0.0	1.2
CV	3.31		85.33		0.0		8.56		0.0	1.33
Bartlett's X2	0.35		7.267		0.0		27.018		0.0	0.0
P(Bartlett's X2)	0.554		0.70		.		0.008*		.	.
Skewness	-2.4897*		1.2971*		-2.5278*		-2.0673*		-2.5278*	-2.5215*
Kurtosis	4.3832*		0.8632		4.5147*		2.9964*		4.5147*	4.4941*
Replicate F	0.541		2.284		0.000		1.126		0.000	1.000
Replicate Prob(F)	0.6561		0.0900		1.0000		0.3472		1.0000	0.4005
Treatment F	484.280		8.402		0.000		77.951		0.000	3003.353
Treatment Prob(F)	0.0001		0.0001		1.0000		0.0001		1.0000	0.0001

Purdue Weed Science

Pest Type Pest Code Pest Name	W Weed CHEAL Common lambsqu>		W Weed AMBTR Giant ragweed		W Weed AMARE Redroot pigweed		W Weed ABUTH velvetleaf		
Crop Code Crop Name Part Rated	ZEAMX Corn PLOT P 6/5/2015 CONTRO		PLOT P 6/9/2015 CONTRO		PLOT P 6/9/2015 CONTRO		PLOT P 6/9/2015 CONTRO		
Rating Date Rating Type	PHYGEN		PHYGEN		CONTRO		CONTRO		
Rating Unit	%		%		%		%		
Number of Subsamples	1		1		1		1		
Days After First/Last Applic.	34 8		38 12		38 12		38 12		
Trt-Eval Interval	14 DA-B		12 DA-C		12 DA-C		12 DA-C		
Days After Emergence	27 DE-1		31 DE-1		31 DE-1		31 DE-1		
ARM Action Codes	P		P		P		P		
Number of Decimals	0		0		0		0		
Trt No.	Treatment Name	Rate	Appl Unit	Code	17	18	19	20	21
1	Untreated Check				0 b	0 d	0 e	0 c	0 c
2	CORVUS AATREX	5.6 fl oz/a 1.5 qt/a	A A		100 a	0 d	94 bcd	100 a	100 a
3	BALANCE FLEXX BICEP II MAGNUM	4.5 fl oz/a 2 qt/a	A A		100 a	0 d	90 d	100 a	100 a
4	LEXAR EZ	3 qt/a	A		100 a	0 d	96 abc	100 a	100 a
5	TRIPLEFLEX AATREX	3 pt/a 1.5 qt/a	A A		100 a	4 bcd	97 abc	100 a	100 a
6	ACURON	3 qt/a	A		100 a	0 d	92 cd	100 a	100 a
7	CAPRENO AATREX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 1 qt/a 22 fl oz/a 2.5 % v/v	B B B B		100 a	1 cd	99 ab	100 a	100 a
8	CAPRENO DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 12 fl oz/a 22 fl oz/a 2.5 % v/v	B B B B		100 a	4 bcd	98 abc	78 b	100 a

Purdue Weed Science

Pest Type	W Weed CHEAL Common lambsqu>		W Weed AMBTR Giant ragweed		W Weed AMARE Redroot pigweed		W Weed ABUTH velvetleaf	
Pest Code								
Pest Name								
Crop Code	ZEAMX Corn							
Crop Name								
Part Rated	PLOT P	PLOT C	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P	PLOT P
Rating Date	6/5/2015	6/9/2015	6/9/2015	6/9/2015	6/9/2015	6/9/2015	6/9/2015	6/9/2015
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1	1	1
Days After First/Last Applic.	34 8	38 12	38 12	38 12	38 12	38 12	38 12	38 12
Trt-Eval Interval	14 DA-B	12 DA-C	12 DA-C	12 DA-C	12 DA-C	12 DA-C	12 DA-C	12 DA-C
Days After Emergence	27 DE-1	31 DE-1	31 DE-1	31 DE-1	31 DE-1	31 DE-1	31 DE-1	31 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 Treatment No. Name	Rate	Unit	Appl Code	17	18	19	20	21
9 HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	3.6 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	B B B B	B	100 a	1 cd	99 ab	100 a	100 a
10 CORVUS AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	A	100 a	3 bcd	99 ab	100 a	100 a
11 BALANCE FLEXX AATREX DIFLEXX LIBERTY 280 SL N-PAK - AMS	4 fl oz/a 1 qt/a 8 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	A	100 a	6 b	100 a	100 a	100 a
12 BALANCE FLEXX AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C	A	100 a	5 bc	99 ab	100 a	100 a
13 BALANCE FLEXX AATREX LAUDIS FLEXX MSO ULTRA N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A A C C C	A	100 a	0 d	99 ab	100 a	100 a
14 CORVUS AATREX CAPRENO PRIME OIL - COC N-PAK - AMS	4 fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 2.5 % v/v	A A C C C	A	100 a	15 a	98 ab	100 a	100 a
15 CORVUS AATREX STATUS ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 3 oz/a 22 fl oz/a 2.5 % v/v	A A C C C	A	100 a	0 d	98 abc	100 a	100 a
16 DEGREE XTRA LAUDIS FLEXX MSO ULTRA N-PAK - AMS	3.2 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A C C C	A	100 a	1 cd	99 ab	100 a	100 a
17 RESOLVE Q @ 1.1 OZ/A RESOLVE HARMONY SG ISOXADIFEN-ETHYL ROUNDUP POWERMAX N-PAK - AMS	0.81 oz/a 0.088 oz/a 0.2024 oz/a 22 fl oz/a 2.5 % v/v	A A A C C	A	100 a	3 bcd	94 bcd	100 a	99 b

Purdue Weed Science

Pest Type	W Weed CHEAL Common lambsqu>		W Weed AMBTR Giant ragweed		W Weed AMARE Redroot pigweed		W Weed ABUTH velvetleaf						
Pest Code													
Pest Name													
Crop Code	ZEAMX												
Crop Name	Corn												
Part Rated	PLOT P		PLOT P		PLOT P		PLOT P						
Rating Date	6/5/2015		6/9/2015		6/9/2015		6/9/2015						
Rating Type	CONTRO		PHYGEN		CONTRO		CONTRO						
Rating Unit	%		%		%		%						
Number of Subsamples	1		1		1		1						
Days After First/Last Applic.	34 8		38 12		38 12		38 12						
Trt-Eval Interval	14 DA-B		12 DA-C		12 DA-C		12 DA-C						
Days After Emergence	27 DE-1		31 DE-1		31 DE-1		31 DE-1						
ARM Action Codes	P		P		P		P						
Number of Decimals	0		0		0		0						
Trt Treatment No. Name	Rate	Unit	Appl Code	17		18		19		20		21	
18 Untreated Check				0 b	0 d	0 e	0 c	0 c					
LSD P=.05				.	4.0	5.8	15.1	0.9					
Standard Deviation				0.0	2.8	4.1	10.6	0.6					
CV				0.0	119.02	4.72	12.1	0.68					
Bartlett's X2				0.0	11.328	35.135	0.0	5.68					
P(Bartlett's X2)				.	0.254	0.001*	.	0.017*					
Skewness				-2.5278*	2.7581*	-2.437*	-2.3214*	-2.5262*					
Kurtosis				4.5147*	9.756*	4.2233*	3.4944*	4.5094*					
Replicate F				0.000	2.521	0.059	1.000	0.865					
Replicate Prob(F)				1.0000	0.0682	0.9809	0.4005	0.4652					
Treatment F				0.000	6.972	239.417	37.137	11476.420					
Treatment Prob(F)				1.0000	0.0001	0.0001	0.0001	0.0001					

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed			
Pest Code	CHEAL	ECHCG		AMBTR	AMARE			
Pest Name	Common lambsqu>	Common barnyar>		Giant ragweed	Redroot pigweed			
Crop Code			ZEAMX					
Crop Name			Corn					
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P			
Rating Date	6/9/2015	6/9/2015	6/28/2015	6/28/2015	6/28/2015			
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1			
Days After First/Last Applic.	38 12	38 12	57 31	57 31	57 31			
Trt-Eval Interval	12 DA-C	12 DA-C	37 DA-B	37 DA-B	37 DA-B			
Days After Emergence	31 DE-1	31 DE-1	50 DE-1	50 DE-1	50 DE-1			
ARM Action Codes	P	P	P	P	P			
Number of Decimals	0	0	0	0	0			
Trt No.	Treatment Name	Rate	Appl Unit Code	22	23	24	25	26
1	Untreated Check			0 b	0 c	0 a	0 e	0 b
2	CORVUS AATREX	5.6 fl oz/a 1.5 qt/a	A A	100 a	98 b	0 a	96 abc	100 a
3	BALANCE FLEXX BICEP II MAGNUM	4.5 fl oz/a 2 qt/a	A A	100 a	99 ab	0 a	94 bcd	100 a
4	LEXAR EZ	3 qt/a	A	100 a	100 a	0 a	96 abc	100 a
5	TRIPLEFLEX AATREX	3 pt/a 1.5 qt/a	A A	100 a	100 a	1 a	97 abc	100 a
6	ACURON	3 qt/a	A	100 a	100 a	1 a	97 abc	100 a
7	CAPRENO AATREX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 1 qt/a 22 fl oz/a 2.5 % v/v	B B B B	100 a	100 a	0 a	95 abc	100 a
8	CAPRENO DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 12 fl oz/a 22 fl oz/a 2.5 % v/v	B B B B	100 a	100 a	0 a	94 cd	100 a

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed				
Pest Code	CHEAL	ECHCG		AMBTR	AMARE				
Pest Name	Common lambsqu>	Common barnyar>		Giant ragweed	Redroot pigweed				
Crop Code			ZEAMX						
Crop Name			Corn						
Part Rated			PLOT C						
Rating Date	6/9/2015	6/9/2015	6/28/2015	6/28/2015	6/28/2015				
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.	38 12	38 12	57 31	57 31	57 31				
Trt-Eval Interval	12 DA-C	12 DA-C	37 DA-B	37 DA-B	37 DA-B				
Days After Emergence	31 DE-1	31 DE-1	50 DE-1	50 DE-1	50 DE-1				
ARM Action Codes	P	P	P	P	P				
Number of Decimals	0	0	0	0	0				
Trt No.	Treatment Name	Rate	Appl Unit	Code	22	23	24	25	26
9	HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	3.6 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	B B B B		100 a	100 a	0 a	99 ab	100 a
10	CORVUS AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C		100 a	100 a	0 a	99 a	100 a
11	BALANCE FLEXX AATREX DIFLEXX LIBERTY 280 SL N-PAK - AMS	4 fl oz/a 1 qt/a 8 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C		100 a	100 a	0 a	98 ab	100 a
12	BALANCE FLEXX AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C		100 a	100 a	0 a	96 abc	100 a
13	BALANCE FLEXX AATREX LAUDIS FLEXX MSO ULTRA N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A A C C C		100 a	100 a	0 a	99 ab	100 a
14	CORVUS AATREX CAPRENO PRIME OIL - COC N-PAK - AMS	4 fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 2.5 % v/v	A A C C C		100 a	100 a	0 a	99 a	100 a
15	CORVUS AATREX STATUS ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 3 oz/a 22 fl oz/a 2.5 % v/v	A A C C C		100 a	100 a	0 a	96 abc	100 a
16	DEGREE XTRA LAUDIS FLEXX MSO ULTRA N-PAK - AMS	3.2 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A C C C		100 a	100 a	0 a	99 ab	100 a
17	RESOLVE Q @ 1.1 OZ/A RESOLVE HARMONY SG ISOXADIFEN-ETHYL ROUNDUP POWERMAX N-PAK - AMS	0.81 oz/a 0.088 oz/a 0.2024 oz/a 22 fl oz/a 2.5 % v/v	A A A C C		100 a	99 ab	0 a	90 d	100 a

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed
Pest Code	CHEAL	ECHCG		AMBTR	AMARE
Pest Name	Common lambsqu>	Common barnyar>		Giant ragweed	Redroot pigweed
Crop Code			ZEAMX		
Crop Name			Corn		
Part Rated	PLOT P	PLOT P	PLOT C	PLOT P	PLOT P
Rating Date	6/9/2015	6/9/2015	6/28/2015	6/28/2015	6/28/2015
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	38 12	38 12	57 31	57 31	57 31
Trt-Eval Interval	12 DA-C	12 DA-C	37 DA-B	37 DA-B	37 DA-B
Days After Emergence	31 DE-1	31 DE-1	50 DE-1	50 DE-1	50 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment					
No. Name	Rate	Unit	Code		
18 Untreated Check	0	b		0	e
LSD P=.05	.			4.7	.
Standard Deviation	0.0		1.8	3.3	0.0
CV	0.0		1.3	0.8	0.0
Bartlett's X2	0.0		1.42	582.09	0.0
P(Bartlett's X2)	.		0.001*	0.616	.
Skewness	-2.5278*		5.8701*	-2.4597*	-2.5278*
Kurtosis	4.5147*		33.3845*	4.3062*	4.5147*
Replicate F	0.000		5.037	1.422	0.000
Replicate Prob(F)	1.0000		0.0039	0.2471	1.0000
Treatment F	0.000		2614.992	359.502	0.000
Treatment Prob(F)	1.0000		0.0001	0.0001	1.0000

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed		W Weed				
Pest Code	ABUTH	CHEAL	ECHCG		AMBTR				
Pest Name	velvetleaf	Common lambsqu>	Common barnyar>		Giant ragweed				
Crop Code				ZEAMX					
Crop Name				Corn					
Part Rated									
Rating Date	6/28/2015	6/28/2015	6/28/2015	7/1/2015	7/1/2015				
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.	57 31	57 31	57 31	60 34	60 34				
Trt-Eval Interval	37 DA-B	37 DA-B	37 DA-B	34 DA-C	34 DA-C				
Days After Emergence	50 DE-1	50 DE-1	50 DE-1	53 DE-1	53 DE-1				
ARM Action Codes	P	P	P	P	P				
Number of Decimals	0	0	0	0	0				
Trt No.	Treatment Name	Rate	Unit	Appl Code	27	28	29	30	31
1	Untreated Check				0 c	0 c	0 c	0 a	0 e
2	CORVUS AATREX	5.6 fl oz/a 1.5 qt/a	A A		100 a	100 a	99 a	0 a	96 ab
3	BALANCE FLEXX BICEP II MAGNUM	4.5 fl oz/a 2 qt/a	A A		100 a	100 a	98 a	0 a	90 cd
4	LEXAR EZ	3 qt/a	A		100 a	100 a	100 a	0 a	98 ab
5	TRIPLEFLEX AATREX	3 pt/a 1.5 qt/a	A A		100 a	100 a	100 a	0 a	96 ab
6	ACURON	3 qt/a	A		100 a	100 a	100 a	0 a	97 ab
7	CAPRENO AATREX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 1 qt/a 22 fl oz/a 2.5 % v/v	B B B B		100 a	100 a	98 a	1 a	97 ab
8	CAPRENO DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 12 fl oz/a 22 fl oz/a 2.5 % v/v	B B B B		100 a	100 a	96 ab	0 a	95 abc

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	ABUTH	CHEAL	ECHCG	AMBTR					
Pest Name	velvetleaf	Common lambsqu>	Common barnyar>	Giant ragweed					
Crop Code				ZEAMX					
Crop Name				Corn					
Part Rated	PLOT P	PLOT P	PLOT P	PLOT C					
Rating Date	6/28/2015	6/28/2015	6/28/2015	7/1/2015					
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Days After First/Last Applic.	57 31	57 31	57 31	60 34					
Trt-Eval Interval	37 DA-B	37 DA-B	37 DA-B	34 DA-C					
Days After Emergence	50 DE-1	50 DE-1	50 DE-1	53 DE-1					
ARM Action Codes	P	P	P	P					
Number of Decimals	0	0	0	0					
Trt No.	Treatment Name	Rate	Unit	Appl Code	27	28	29	30	31
9	HALEX GT	3.6 pt/a	B		100 a	100 a	100 a	0 a	99 ab
	AATREX	1 qt/a	B						
	ACTIVATOR 90 - NIS	0.25 % v/v	B						
	N-PAK - AMS	2.5 % v/v	B						
10	CORVUS	4 fl oz/a	A		100 a	100 a	100 a	0 a	99 ab
	AATREX	1 qt/a	A						
	DIFLEXX	6 fl oz/a	C						
	ROUNDUP POWERMAX	22 fl oz/a	C						
	N-PAK - AMS	2.5 % v/v	C						
11	BALANCE FLEXX	4 fl oz/a	A		100 a	100 a	99 a	0 a	99 a
	AATREX	1 qt/a	A						
	DIFLEXX	8 fl oz/a	C						
	LIBERTY 280 SL	22 fl oz/a	C						
	N-PAK - AMS	2.5 % v/v	C						
12	BALANCE FLEXX	4 fl oz/a	A		100 a	100 a	98 a	0 a	97 ab
	AATREX	1 qt/a	A						
	DIFLEXX	6 fl oz/a	C						
	ROUNDUP POWERMAX	22 fl oz/a	C						
	N-PAK - AMS	2.5 % v/v	C						
13	BALANCE FLEXX	4 fl oz/a	A		100 a	100 a	98 a	0 a	99 ab
	AATREX	1 qt/a	A						
	LAUDIS FLEXX	1 qt/a	C						
	MSO ULTRA	1 qt/a	C						
	N-PAK - AMS	2.5 % v/v	C						
14	CORVUS	4 fl oz/a	A		100 a	100 a	100 a	0 a	99 ab
	AATREX	1 qt/a	A						
	CAPRENO	3 fl oz/a	C						
	PRIME OIL - COC	1 qt/a	C						
	N-PAK - AMS	2.5 % v/v	C						
15	CORVUS	4 fl oz/a	A		100 a	100 a	100 a	0 a	94 bc
	AATREX	1 qt/a	A						
	STATUS	3 oz/a	C						
	ROUNDUP POWERMAX	22 fl oz/a	C						
	N-PAK - AMS	2.5 % v/v	C						
16	DEGREE XTRA	3.2 qt/a	A		100 a	100 a	100 a	0 a	98 ab
	LAUDIS FLEXX	1 qt/a	C						
	MSO ULTRA	1 qt/a	C						
	N-PAK - AMS	2.5 % v/v	C						
17	RESOLVE Q @ 1.1 OZ/A				98 b	100 b	94 b	0 a	88 d
	RESOLVE	0.81 oz/a	A						
	HARMONY SG	0.088 oz/a	A						
	ISOXADIFEN-ETHYL	0.2024 oz/a	A						
	ROUNDUP POWERMAX	22 fl oz/a	C						
	N-PAK - AMS	2.5 % v/v	C						

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	CHEAL	ECHCG	AMBTR
Pest Name	velvetleaf	Common lambsqu>	Common barnyar>	Giant ragweed
Crop Code				ZEAMX
Crop Name				Corn
Part Rated	PLOT P	PLOT P	PLOT P	PLOT C
Rating Date	6/28/2015	6/28/2015	6/28/2015	7/1/2015
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	57 31	57 31	57 31	60 34
Trt-Eval Interval	37 DA-B	37 DA-B	37 DA-B	34 DA-C
Days After Emergence	50 DE-1	50 DE-1	50 DE-1	53 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Unit	Code	
No. Name	27	28	29	30
18 Untreated Check	0 c	0 c	0 c	0 a
LSD P=.05	0.7	0.2	4.0	0.8
Standard Deviation	0.5	0.1	2.8	0.6
CV	0.59	0.13	3.19	848.53
Bartlett's X2	0.0	0.0	14.126	0.0
P(Bartlett's X2)	.	.	0.079	.
Skewness	-2.5261*	-2.5278*	-2.4869*	8.4853*
Kurtosis	4.5092*	4.5145*	4.3844*	72.0*
Replicate F	1.000	1.000	0.644	1.000
Replicate Prob(F)	0.4005	0.4005	0.5904	0.4005
Treatment F	15283.051	301083.383	523.139	1.000
Treatment Prob(F)	0.0001	0.0001	0.0001	0.4736

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	AMARE	ABUTH	CHEAL	ECHCG						
Pest Name	Redroot pigweed	velvetleaf	Common lambsqu>	Common barnyar>						
Crop Code					ZEAMX	ZEAMX				
Crop Name					Corn	Corn				
Part Rated					PLOT C	PLOT C				
Rating Date	7/1/2015	7/1/2015	7/1/2015	7/1/2015	9/24/2015	9/24/2015				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	YIELD	MOICON				
Rating Unit	%	%	%	%	lb/plot	%				
Number of Subsamples	1	1	1	1	1	1				
Days After First/Last Applic.	60 34	60 34	60 34	60 34	145 119	145 119				
Trt-Eval Interval	34 DA-C	34 DA-C	34 DA-C	34 DA-C	138 DE-1	138 DE-1				
Days After Emergence	53 DE-1	53 DE-1	53 DE-1	53 DE-1						
ARM Action Codes	P	P	P	P						
Number of Decimals	0	0	0	0	2	2				
Trt No.	Treatment Name	Rate	Unit	Appl Code	32	33	34	35	36	37
1	Untreated Check				0 b	0 c	0 c	0 e	10.81 b	17.72 a
2	CORVUS AATREX	5.6 fl oz/a 1.5 qt/a	A A		99 a	99 a	99 a	99 ab	42.19 a	18.78 a
3	BALANCE FLEXX BICEP II MAGNUM	4.5 fl oz/a 2 qt/a	A A		100 a	100 a	100 a	100 a	37.01 a	18.51 a
4	LEXAR EZ	3 qt/a	A		100 a	100 a	100 a	99 ab	41.86 a	18.20 a
5	TRIPLEFLEX AATREX	3 pt/a 1.5 qt/a	A A		100 a	99 a	100 a	100 a	37.23 a	19.90 a
6	ACURON	3 qt/a	A		100 a	100 a	100 a	99 ab	40.41 a	19.16 a
7	CAPRENO AATREX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 1 qt/a 22 fl oz/a 2.5 % v/v	B B B B		100 a	100 a	100 a	96 abc	40.78 a	19.03 a
8	CAPRENO DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	3 fl oz/a 12 fl oz/a 22 fl oz/a 2.5 % v/v	B B B B		100 a	100 a	99 a	94 cd	37.46 a	20.01 a

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	AMARE	ABUTH	CHEAL	ECHCG						
Pest Name	Redroot pigweed	velvetleaf	Common lambsqu>	Common barnyar>						
Crop Code					ZEAMX	ZEAMX				
Crop Name					Corn	Corn				
Part Rated					PLOT C	PLOT C				
Rating Date	7/1/2015	7/1/2015	7/1/2015	7/1/2015	9/24/2015	9/24/2015				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	YIELD	MOICON				
Rating Unit	%	%	%	%	lb/plot	%				
Number of Subsamples	1	1	1	1	1	1				
Days After First/Last Applic.	60 34	60 34	60 34	60 34	145 119	145 119				
Trt-Eval Interval	34 DA-C	34 DA-C	34 DA-C	34 DA-C	138 DE-1	138 DE-1				
Days After Emergence	53 DE-1	53 DE-1	53 DE-1	53 DE-1						
ARM Action Codes	P	P	P	P						
Number of Decimals	0	0	0	0	2	2				
Trt No.	Treatment Name	Rate	Unit	Appl Code	32	33	34	35	36	37
9	HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	3.6 pt/a 1 qt/a 0.25 % v/v 2.5 % v/v	B B B B		100 a	100 a	100 a	97 abc	41.12 a	19.09 a
10	CORVUS AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C		100 a	100 a	100 a	99 ab	38.28 a	19.21 a
11	BALANCE FLEXX AATREX DIFLEXX LIBERTY 280 SL N-PAK - AMS	4 fl oz/a 1 qt/a 8 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C		99 a	100 a	100 a	95 bc	39.62 a	19.51 a
12	BALANCE FLEXX AATREX DIFLEXX ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 6 fl oz/a 22 fl oz/a 2.5 % v/v	A A C C C		99 a	100 a	100 a	93 cd	38.80 a	19.21 a
13	BALANCE FLEXX AATREX LAUDIS FLEXX MSO ULTRA N-PAK - AMS	4 fl oz/a 1 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A A C C C		99 a	99 a	100 a	95 bc	43.17 a	18.47 a
14	CORVUS AATREX CAPRENO PRIME OIL - COC N-PAK - AMS	4 fl oz/a 1 qt/a 3 fl oz/a 1 qt/a 2.5 % v/v	A A C C C		100 a	100 a	100 a	100 a	39.62 a	20.22 a
15	CORVUS AATREX STATUS ROUNDUP POWERMAX N-PAK - AMS	4 fl oz/a 1 qt/a 3 oz/a 22 fl oz/a 2.5 % v/v	A A C C C		100 a	100 a	100 a	98 ab	38.59 a	18.92 a
16	DEGREE XTRA LAUDIS FLEXX MSO ULTRA N-PAK - AMS	3.2 qt/a 1 qt/a 1 qt/a 2.5 % v/v	A C C C		100 a	100 a	100 a	100 a	43.85 a	19.24 a
17	RESOLVE Q @ 1.1 OZ/A RESOLVE HARMONY SG ISOXADIFEN-ETHYL ROUNDUP POWERMAX N-PAK - AMS	0.81 oz/a 0.088 oz/a 0.2024 oz/a 22 fl oz/a 2.5 % v/v	A A A C C		100 a	96 b	96 b	90 d	39.14 a	19.60 a

Purdue Weed Science

Pest Type				
Pest Code				
Pest Name				
Crop Code				ZEAMX
Crop Name				Corn
Part Rated				PLOT C
Rating Date				9/24/2015
Rating Type				YIELD
Rating Unit				BU
Number of Subsamples				1
Days After First/Last Applic.				145 119
Trt-Eval Interval				
Days After Emergence				138 DE-1
ARM Action Codes				TY1
Number of Decimals				1
Trt No.	Treatment Name	Rate	Unit	Appl Code
				38
1	Untreated Check			64.3 b
2	CORVUS	5.6 fl oz/a	A	252.1 a
	AATREX	1.5 qt/a	A	
3	BALANCE FLEXX	4.5 fl oz/a	A	221.9 a
	BICEP II MAGNUM	2 qt/a	A	
4	LEXAR EZ	3 qt/a	A	251.7 a
5	TRIPLEFLEX	3 pt/a	A	219.9 a
	AATREX	1.5 qt/a	A	
6	ACURON	3 qt/a	A	240.8 a
7	CAPRENO	3 fl oz/a	B	243.1 a
	AATREX	1 qt/a	B	
	ROUNDUP POWERMAX	22 fl oz/a	B	
	N-PAK - AMS	2.5 % v/v	B	
8	CAPRENO	3 fl oz/a	B	220.9 a
	DIFLEXX	12 fl oz/a	B	
	ROUNDUP POWERMAX	22 fl oz/a	B	
	N-PAK - AMS	2.5 % v/v	B	

Purdue Weed Science

Pest Type				
Pest Code				
Pest Name				
Crop Code				ZEAMX
Crop Name				Corn
Part Rated				PLOT C
Rating Date				9/24/2015
Rating Type				YIELD
Rating Unit				BU
Number of Subsamples				1
Days After First/Last Applic.				145 119
Trt-Eval Interval				
Days After Emergence				138 DE-1
ARM Action Codes				TY1
Number of Decimals				1
Trt Treatment		Rate	Appl	
No. Name		Rate	Unit Code	38
9 HALEX GT		3.6 pt/a	B	244.9 a
AATREX		1 qt/a	B	
ACTIVATOR 90 - NIS		0.25 % v/v	B	
N-PAK - AMS		2.5 % v/v	B	
10 CORVUS		4 fl oz/a	A	227.9 a
AATREX		1 qt/a	A	
DIFLEXX		6 fl oz/a	C	
ROUNDUP POWERMAX		22 fl oz/a	C	
N-PAK - AMS		2.5 % v/v	C	
11 BALANCE FLEXX		4 fl oz/a	A	235.0 a
AATREX		1 qt/a	A	
DIFLEXX		8 fl oz/a	C	
LIBERTY 280 SL		22 fl oz/a	C	
N-PAK - AMS		2.5 % v/v	C	
12 BALANCE FLEXX		4 fl oz/a	A	230.9 a
AATREX		1 qt/a	A	
DIFLEXX		6 fl oz/a	C	
ROUNDUP POWERMAX		22 fl oz/a	C	
N-PAK - AMS		2.5 % v/v	C	
13 BALANCE FLEXX		4 fl oz/a	A	259.2 a
AATREX		1 qt/a	A	
LAUDIS FLEXX		1 qt/a	C	
MSO ULTRA		1 qt/a	C	
N-PAK - AMS		2.5 % v/v	C	
14 CORVUS		4 fl oz/a	A	233.1 a
AATREX		1 qt/a	A	
CAPRENO		3 fl oz/a	C	
PRIME OIL - COC		1 qt/a	C	
N-PAK - AMS		2.5 % v/v	C	
15 CORVUS		4 fl oz/a	A	230.6 a
AATREX		1 qt/a	A	
STATUS		3 oz/a	C	
ROUNDUP POWERMAX		22 fl oz/a	C	
N-PAK - AMS		2.5 % v/v	C	
16 DEGREE XTRA		3.2 qt/a	A	260.7 a
LAUDIS FLEXX		1 qt/a	C	
MSO ULTRA		1 qt/a	C	
N-PAK - AMS		2.5 % v/v	C	
17 RESOLVE Q @ 1.1 OZ/A				
RESOLVE		0.81 oz/a	A	
HARMONY SG		0.088 oz/a	A	
ISOXADIFEN-ETHYL		0.2024 oz/a	A	
ROUNDUP POWERMAX		22 fl oz/a	C	
N-PAK - AMS		2.5 % v/v	C	

Purdue Weed Science

Pest Type	
Pest Code	
Pest Name	
Crop Code	ZEAMX
Crop Name	Corn
Part Rated	PLOT C
Rating Date	9/24/2015
Rating Type	YIELD
Rating Unit	BU
Number of Subsamples	1
Days After First/Last Applic.	145 119
Trt-Eval Interval	
Days After Emergence	138 DE-1
ARM Action Codes	TY1
Number of Decimals	1
Trt Treatment	
No. Name	Rate Unit Appl Code
	38
18 Untreated Check	92.4 b
LSD P=.05	45.85
Standard Deviation	32.30
CV	14.68
Bartlett's X2	13.1
P(Bartlett's X2)	0.729
Skewness	-1.7388*
Kurtosis	2.6949*
Replicate F	4.069
Replicate Prob(F)	0.0115
Treatment F	10.866
Treatment Prob(F)	0.0001

Purdue Weed Science

Weed Control Programs in Corn - Northern University Field Demos

Trial ID: 15S-THP-CTC-02 Location: TPAC Trial Year: 2015
 Protocol ID: 15S-THP-CTC-02 Investigator: Dr. Bill Johnson
 Project ID: HP15USABLDUEF1 Study Director: Joe Ikley
 Sponsor Contact: Bayer - Alan Kurtz

Pest Type

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

Pest Code

ECHCG, Echinochloa crus-galli, = US
 AMBTR, Ambrosia trifida, = US
 AMARE, Amaranthus retroflexus, = US
 ABUTH, Abutilon theophrasti, = US
 CHEAL, Chenopodium album, = US

Crop Code

ZEAMX, BCOR, Zea mays, = US

Part Rated

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

Rating Type

CONTRO = control / burndown or knockdown
 PHYGEN = phytotoxicity - general / injury
 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)
 TY1 = $6.222857 * [36] * (100 - [37]) / 84.5$