

Purdue Weed Science

FMC BURNDOWN STRATEGIES WITH XTENDIMAX SYSTEMS

Trial ID: 17S-MGS-Soy-05 Location: Meigs Trial Year: 2017
 Protocol ID: 17S-MGS-Soy-05 Investigator: Dr. Bill Johnson
 Project ID: Study Director: Taylor Campbell
 Sponsor Contact: Nick Hustedde

General Trial Information

Study Director: Taylor Campbell
Investigator: Dr. Bill Johnson

Discipline: H herbicide
Trial Status: E established
Initiation Date: 4/17/2017

Trial Location

City: Lafayette **Country:** USA United States
State/Prov.: Indiana
Postal Code: 47909

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Study Director: Taylor Campbell
Organization: Purdue University
Address: 915 W State Street
City+State/Prov: West Lafayette, IN
Postal Code: 47907
Country: USA United States

Investigator: Dr. Bill Johnson
Organization: Purdue University
Address: 915 W State Street
City+State/Prov: West Lafayette, IN
Postal Code: 47907
Country: USA United States

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: GLXMA Glycine max
Variety: AG30X6
Description: Xtend Roundup Ready

Planting Date: 5/15/2017
Planting Method: PLANTD planted
Planting Equipment: PP Plot Planter
Emergence Date: 5/21/2017
Harvested Width, Unit: 5 FT
Harvested Length, Unit: 22 FT
% Standard Moisture: 13.3

Planting Rate, Unit: 140000 S/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 30 IN
Soil Temperature, Unit: 65 F
Soil Moisture: SLIWET slightly wet, moist
Seed Bed: COATRA coarse/trashy

Pest Description

Pest 1 Type: W **Code:** ERICA Erigeron canadensis
Common Name: Canada horseweed

Pest 2 Type: W **Code:** TARSS Taraxacum sp.
Common Name: Dandelion

Pest 3 Type: W **Code:** AMATA Amaranthus tamariscinus
Common Name: Common waterhemp

Site and Design

Treated Plot Width: 6.67 FT **Site Type:** FIELD field
Treated Plot Length: 25 FT **Experimental Unit:** 1 PLOT plot
Treated Plot Area: 166.75 FT2 **Treatments:** 13 **Tillage Type:** NOTILL no-till
Replications: 4 **Study Design:** RAOBL Randomized Complete Block (RCB)

Soil Description

Description Name: MGS-S3
% Sand: 40.7 **% OM:** 2.3 **Texture:** L loam
% Silt: 38.6 **pH:** 6.5 **Soil Name:** Starks-Fincastle complex
% Clay: 20.7 **CEC:** 14.3 **Fert. Level:** G good

Application Description

	A	B	C	D	E	F
Application Date:	4/17/2017	5/12/2017	5/15/2017	6/13/2017	6/21/2017	6/24/2017
Appl. Start Time:	3:55 PM	10:35 AM	6:53 PM	8:50 AM	12:43 PM	10:00 AM
Appl. Stop Time:	4:10 PM	10:55 AM	7:05 PM	9:15 AM	12:45 PM	10:03 AM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	EARPRE	EARPRE	PREPLA	POSPOS	LAPOWE	LAPOWE
Application Placement:	BROADC	BROADC	BROADC	BROADC	BROADC	BROADC
Applied By:	T. Campbell	T. Campbell	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Air Temperature, Unit:	76.8 F	62 F	89 F	85 F	85 F	70 F
% Relative Humidity:	25.9	79	39	72	68	81
Wind Velocity, Unit:	3 MPH	3 MPH	4 MPH	2 MPH	1 MPH	4 MPH
Wind Direction:	E	W	W	NE	W	SW
Dew Presence (Y/N):	N no	N no	N no	N no	N no	N no
Soil Temperature, Unit:	59.0 F	52 F	73 F	88 F	86 F	64 F
Soil Moisture:	Dry	SLIWET	SLIWET	DRY	SLIWET	SLIWET
% Cloud Cover:	60	75	10	70	20	0

Crop Stage At Each Application

	A	B	C	D	E
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:				BBCH	BBCH
Stage Majority, Percent:				13	14
Stage Minimum, Percent:				12	13
Stage Maximum, Percent:				14	15
Height, Unit:				7 IN	8 IN
Height Minimum, Maximum:				6 8	8 10

	F
Crop 1 Code, BBCH Scale:	GLXMA BSOY
Stage Scale Used:	BBCH
Stage Majority, Percent:	15
Stage Minimum, Percent:	14
Stage Maximum, Percent:	16
Height, Unit:	10 IN
Height Minimum, Maximum:	10 12

Pest Stage At Each Application						
	A	B	C	D	E	F
Pest 1 Code, Type, Scale:	ERICA W BBCH	ERICA W	ERICA W	ERICA W	ERICA W	ERICA W
Stage Majority, Percent:	19	18	14	16	13	13
Stage Minimum, Percent:	09	13	15	12	12	12
Stage Maximum, Percent:	19	19	12	18	15	15
Height, Unit:	2 IN	6 IN	3 IN	6 IN	4 IN	4 IN
Height Minimum, Maximum:				1 7	1 7	1 7
Density, Unit:	7 FT2	8 FT2	2 FT2	10 FT2	2 FT2	2 FT2
Pest 2 Code, Type, Scale:	TARSS W	TARSS W	TARSS W	TARSS W	TARSS W	TARSS W
Stage Majority, Percent:	16	16	14			
Stage Minimum, Percent:	09	09	12			
Stage Maximum, Percent:	63	63	15			
Height, Unit:	3 IN	4 IN	3 IN			
Density, Unit:	3 FT2	3 FT2	0.5 FT2			
Pest 3 Code, Type, Scale:	AMATA W	AMATA W	AMATA W	AMATA W	AMATA W	AMATA W
Stage Majority, Percent:				13	15	15
Stage Minimum, Percent:				12	12	12
Stage Maximum, Percent:				16	18	18
Height, Unit:				2 IN	5 IN	5 IN
Height Minimum, Maximum:				1 4	4 8	4 8
Density, Unit:				7 FT2	8 FT2	8 FT2

Application Equipment					
	A	B	C	D	E
Appl. Equipment:	CO2 BACKPACK	CO2 BACKPACK	CO2 BACKPACK	CO2 BACKPACK	CO2 BACKPACK
Equipment Type:	BACCAI	BACCAI	BACCAI	BACCAI	BACCAI
Operation Pressure, Unit:	43 PSI	43 PSI	43 PSI	43 PSI	43 PSI
Nozzle Type:	TTI	TTI	TTI	TTI	TTI
Nozzle Size:	11015	11015	11015	11015	11015
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN	20 IN
Nozzles/Row:	4	4	4	4	4
Boom Length, Unit:	6.7 FT	6.7 FT	6.7 FT	6.7 FT	6.7 FT
Boom Height, Unit:	18 IN	20 IN	18 IN	26 IN	25 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH	3 MPH	3 MPH
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC	15 GAL/AC	15 GAL/AC	15 GAL/AC
Mix Size, Unit:	945 mL	945 mL	945 mL	945 mL	945 mL
Propellant:	COMCO2	COMCO2	COMCO2	COMCO2	COMCO2

	F
Appl. Equipment:	CO2 BACKPACK
Equipment Type:	BACCAI
Operation Pressure, Unit:	43 PSI
Nozzle Type:	TTI
Nozzle Size:	11015
Nozzle Spacing, Unit:	20 IN
Nozzles/Row:	4
Boom Length, Unit:	6.7 FT
Boom Height, Unit:	25 IN
Ground Speed, Unit:	3 MPH
Spray Volume, Unit:	15 GAL/AC
Mix Size, Unit:	945 mL
Propellant:	COMCO2

Date	By	Notes
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6/13/2017	T. Campbell	Plots sprayed at the B timing have twisted marestail that did not dying and could be due to reduced rain fall and cooler weather at time of application affecting the effect Xtendimax had on them.
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10/23/2017	T. Campbell	Plots were heavily infested with grass at harvest and caused some plots to lay over resulting in lower yields.
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FMC BURNDOWN STRATEGIES WITH XTENDIMAX SYSTEMS

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 Protocol ID: 17S-MGS-Soy-05 Investigator: Dr. Bill Johnson
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 Sponsor Contact: Nick Hustedde

Reps: 4 Plots: 6.67 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 945 mL (869.45 mL calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	UNTREATED							101	208	407	607
2	SHREDDER 2,4-D LV4	3.8 LBAE/GAL	SL		16 fl oz/a	A	7.875 ml/mx	102	206	502	509
	ROUNDUP POWERMAX	4.5 LBAE/GAL	SL		22 fl oz/a	A	10.83 ml/mx				
	MSO	100 %	SL		1 % v/v	A	9.449 ml/mx				
	N-PAK	3.4 LBAE/GAL	L		2.5 % v/v	A	23.62 ml/mx				
	AUTHORITY XL	70 %	DF		5 oz/a	C	2.359 g/mx				
	GRAMOXONE SL	2 LBAE/GAL	SL		48 fl oz/a	C	23.62 ml/mx				
	COC	100 %	SL		1 % v/v	C	9.449 ml/mx				
	N-PAK	3.4 LBAE/GAL	L		2.5 % v/v	C	23.62 ml/mx				
	XTENDIMAX	2.9 LBAE/GAL	SL		22 fl oz/a	D	10.83 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL	SL		22 fl oz/a	D	10.83 ml/mx				
CLASS ACT RIDION	100 %	L		1 % v/v	D	9.449 ml/mx					
3	TRICOR	75 %	DF		6 oz/a	A	2.831 g/mx	103	307	409	507
	SHREDDER 2,4-D LV4	3.8 LBAE/GAL	SL		16 fl oz/a	A	7.875 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL	SL		22 fl oz/a	A	10.83 ml/mx				
	MSO	100 %	SL		1 % v/v	A	9.449 ml/mx				
	N-PAK	3.4 LBAE/GAL	L		2.5 % v/v	A	23.62 ml/mx				
	AUTHORITY XL	70 %	DF		5 oz/a	C	2.359 g/mx				
	GRAMOXONE SL	2 LBAE/GAL	SL		48 fl oz/a	C	23.62 ml/mx				
	COC	100 %	SL		1 % v/v	C	9.449 ml/mx				
	N-PAK	3.4 LBAE/GAL	L		2.5 % v/v	C	23.62 ml/mx				
	XTENDIMAX	2.9 LBAE/GAL	SL		22 fl oz/a	D	10.83 ml/mx				
ROUNDUP POWERMAX	4.5 LBAE/GAL	SL		22 fl oz/a	D	10.83 ml/mx					
CLASS ACT RIDION	100 %	L		1 % v/v	D	9.449 ml/mx					
4	ANTHEM MAXX	4.3 LBAE/GAL	SC		2.5 fl oz/a	A	1.23 ml/mx	104	207	309	505
	SHREDDER 2,4-D LV4	3.8 LBAE/GAL	SL		16 fl oz/a	A	7.875 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL	SL		22 fl oz/a	A	10.83 ml/mx				
	MSO	100 %	SL		1 % v/v	A	9.449 ml/mx				
	N-PAK	3.4 LBAE/GAL	L		2.5 % v/v	A	23.62 ml/mx				
	AUTHORITY XL	70 %	DF		5 oz/a	C	2.359 g/mx				
	GRAMOXONE SL	2 LBAE/GAL	SL		48 fl oz/a	C	23.62 ml/mx				
	COC	100 %	SL		1 % v/v	C	9.449 ml/mx				
	N-PAK	3.4 LBAE/GAL	L		2.5 % v/v	C	23.62 ml/mx				
	XTENDIMAX	2.9 LBAE/GAL	SL		22 fl oz/a	D	10.83 ml/mx				
ROUNDUP POWERMAX	4.5 LBAE/GAL	SL		22 fl oz/a	D	10.83 ml/mx					
CLASS ACT RIDION	100 %	L		1 % v/v	D	9.449 ml/mx					
5	VERDICT	5.57 LB/GAL	EC		5 fl oz/a	A	2.461 ml/mx	105	308	403	606
	SHREDDER 2,4-D LV4	3.8 LBAE/GAL	SL		16 fl oz/a	A	7.875 ml/mx				
	ROUNDUP POWERMAX	4.5 LBAE/GAL	SL		22 fl oz/a	A	10.83 ml/mx				
	MSO	100 %	SL		1 % v/v	A	9.449 ml/mx				
	N-PAK	3.4 LBAE/GAL	L		2.5 % v/v	A	23.62 ml/mx				
	ZIDUA	85 %	WG		2 oz/a	C	0.9436 g/mx				
	GRAMOXONE SL	2 LBAE/GAL	SL		48 fl oz/a	C	23.62 ml/mx				
	COC	100 %	SL		1 % v/v	C	9.449 ml/mx				
	N-PAK	3.4 LBAE/GAL	L		2.5 % v/v	C	23.62 ml/mx				
	ENGENIA	5 LB/GAL	SL		12.8 fl oz/a	D	6.3 ml/mx				
ROUNDUP POWERMAX	4.5 LBAE/GAL	SL		22 fl oz/a	D	10.83 ml/mx					
CLASS ACT RIDION	100 %	L		1 % v/v	D	9.449 ml/mx					

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Code	Amt to Measure	Product	Rep 1	2	3	4
6	AUTHORITY XL	70 %		DF	5 oz/a		A	2.359 g/mx		106	302	401	603
	SHREDDER 2,4-D LV4	3.8 LBAE/GAL		SL	16 fl oz/a		A	7.875 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		A	10.83 ml/mx					
	MSO	100 %		SL	1 % v/v		A	9.449 ml/mx					
	N-PAK	3.4 LBA/GAL		L	2.5 % v/v		A	23.62 ml/mx					
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		E	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		E	10.83 ml/mx					
	ANTHEM MAXX	4.3 LBA/GAL		SC	3 fl oz/a		E	1.477 ml/mx					
CLASS ACT RIDION	100 %		L	1 % v/v		E	9.449 ml/mx						
7	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx		107	209	408	601
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	CLASS ACT RIDION	100 %		L	1 % v/v		B	9.449 ml/mx					
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
CLASS ACT RIDION	100 %		L	1 % v/v		D	9.449 ml/mx						
8	AUTHORITY FIRST	70 %		DF	5 oz/a		B	2.359 g/mx		108	205	402	506
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	CLASS ACT RIDION	100 %		L	1 % v/v		B	9.449 ml/mx					
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
CLASS ACT RIDION	100 %		L	1 % v/v		D	9.449 ml/mx						
9	AUTHORITY XL	70 %		DF	5 oz/a		B	2.359 g/mx		109	301	405	604
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	CLASS ACT RIDION	100 %		L	1 % v/v		B	9.449 ml/mx					
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
CLASS ACT RIDION	100 %		L	1 % v/v		D	9.449 ml/mx						
10	AUTHORITY MTZ	45 %		WG	14 oz/a		B	6.605 g/mx		201	304	503	508
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	CLASS ACT RIDION	100 %		L	1 % v/v		B	9.449 ml/mx					
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
CLASS ACT RIDION	100 %		L	1 % v/v		D	9.449 ml/mx						
11	ANTHEM MAXX	4.3 LBA/GAL		SC	3.25 fl oz/a		B	1.6 ml/mx		202	303	404	602
	TRICOR	75 %		DF	5 oz/a		B	2.359 g/mx					
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	CLASS ACT RIDION	100 %		L	1 % v/v		B	9.449 ml/mx					
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx						
CLASS ACT RIDION	100 %		L	1 % v/v		D	9.449 ml/mx						
12	AUTHORITY XL	70 %		DF	5 oz/a		B	2.359 g/mx		203	306	501	605
	XTENDIMAX	2.9 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	CLASS ACT RIDION	100 %		L	1 % v/v		B	9.449 ml/mx					
	ANTHEM MAXX	4.3 LBA/GAL		SC	3 fl oz/a		F	1.477 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		F	10.83 ml/mx					
N-PAK	3.4 LBA/GAL		L	2.5 % v/v		F	23.62 ml/mx						
13	ENGENIA	5 LB/GAL		SL	12.8 fl oz/a		B	6.3 ml/mx		204	305	406	504
	ZIDUA PRO	4.09 LB/GAL		SC	6 fl oz/a		B	2.953 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		B	10.83 ml/mx					
	CLASS ACT RIDION	100 %		L	1 % v/v		B	9.449 ml/mx					
	ENGENIA	5 LB/GAL		SL	12.8 fl oz/a		D	6.3 ml/mx					
	ROUNDUP POWERMAX	4.5 LBAE/GAL		SL	22 fl oz/a		D	10.83 ml/mx					
CLASS ACT RIDION	100 %		L	1 % v/v		D	9.449 ml/mx						

Sort Order: Replicate 1

Purdue Weed Science

FMC BURNDOWN STRATEGIES WITH XTENDIMAX SYSTEMS

Trial ID: 17S-MGS-Soy-05 Location: Meigs Trial Year: 2017
 Protocol ID: 17S-MGS-Soy-05 Investigator: Dr. Bill Johnson
 Project ID: Study Director: Taylor Campbell
 Sponsor Contact: Nick Hustedde

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA	TARSS
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>	Dandelion
Crop Code				
Crop Name				
Part Rated				
Rating Date	5/1/2017	5/1/2017	5/8/2017	5/8/2017
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	14 14	14 14	21 21	21 21
Trt-Eval Interval	14 DA-A	14 DA-A	21 DA-A	21 DA-A
Days After Emergence	-20 DE-1	-20 DE-1	-13 DE-1	-13 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	1	2
3	4			
1 UNTREATED		101	0	0
		208	0	0
		407	0	0
		607	0	0
		Mean =	0	0
2 SHREDDER 2,4-D LV4	16 fl oz/a A	102	70	40
ROUNDUP POWERMAX	22 fl oz/a A	206	85	40
MSO	1 % v/v A	502	65	40
N-PAK	2.5 % v/v A	509	75	80
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	74	50
3 TRICOR	6 oz/a A	103	85	40
SHREDDER 2,4-D LV4	16 fl oz/a A	307	95	100
ROUNDUP POWERMAX	22 fl oz/a A	409	80	95
MSO	1 % v/v A	507	90	100
N-PAK	2.5 % v/v A			
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	88	84
				94
				90

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA	TARSS
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>	Dandelion
Crop Code				
Crop Name				
Part Rated				
Rating Date	5/1/2017	5/1/2017	5/8/2017	5/8/2017
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	14 14	14 14	21 21	21 21
Trt-Eval Interval	14 DA-A	14 DA-A	21 DA-A	21 DA-A
Days After Emergence	-20 DE-1	-20 DE-1	-13 DE-1	-13 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	1	2
4 ANTHEM MAXX	2.5 fl oz/a A	104	80	50
SHREDDER 2,4-D LV4	16 fl oz/a A	207	65	90
ROUNDUP POWERMAX	22 fl oz/a A	309	75	100
MSO	1 % v/v A	505	80	45
N-PAK	2.5 % v/v A			
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
	Mean =		75	71
5 VERDICT	5 fl oz/a A	105	100	90
SHREDDER 2,4-D LV4	16 fl oz/a A	308	100	100
ROUNDUP POWERMAX	22 fl oz/a A	403	95	100
MSO	1 % v/v A	606	100	100
N-PAK	2.5 % v/v A			
ZIDUA	2 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
	Mean =		99	98
6 AUTHORITY XL	5 oz/a A	106	90	40
SHREDDER 2,4-D LV4	16 fl oz/a A	302	75	80
ROUNDUP POWERMAX	22 fl oz/a A	401	70	30
MSO	1 % v/v A	603	95	90
N-PAK	2.5 % v/v A			
XTENDIMAX	22 fl oz/a E			
ROUNDUP POWERMAX	22 fl oz/a E			
ANTHEM MAXX	3 fl oz/a E			
CLASS ACT RIDION	1 % v/v E			
	Mean =		83	60
7 XTENDIMAX	22 fl oz/a B	107	0	0
ROUNDUP POWERMAX	22 fl oz/a B	209	0	0
CLASS ACT RIDION	1 % v/v B	408	0	0
XTENDIMAX	22 fl oz/a D	601	0	0
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
	Mean =		0	0

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA	TARSS
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>	Dandelion
Crop Code				
Crop Name				
Part Rated				
Rating Date	5/1/2017	5/1/2017	5/8/2017	5/8/2017
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	14 14	14 14	21 21	21 21
Trt-Eval Interval	14 DA-A	14 DA-A	21 DA-A	21 DA-A
Days After Emergence	-20 DE-1	-20 DE-1	-13 DE-1	-13 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	1	2
8 AUTHORITY FIRST	5 oz/a B	108	0	0
XTENDIMAX	22 fl oz/a B	205	0	0
ROUNDUP POWERMAX	22 fl oz/a B	402	0	0
CLASS ACT RIDION	1 % v/v B	506	0	0
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
Mean =			0	0
9 AUTHORITY XL	5 oz/a B	109	0	0
XTENDIMAX	22 fl oz/a B	301	0	0
ROUNDUP POWERMAX	22 fl oz/a B	405	0	0
CLASS ACT RIDION	1 % v/v B	604	0	0
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
Mean =			0	0
10 AUTHORITY MTZ	14 oz/a B	201	0	0
XTENDIMAX	22 fl oz/a B	304	0	0
ROUNDUP POWERMAX	22 fl oz/a B	503	0	0
CLASS ACT RIDION	1 % v/v B	508	0	0
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
Mean =			0	0
11 ANTHEM MAXX	3.25 fl oz/a B	202	0	0
TRICOR	5 oz/a B	303	0	0
XTENDIMAX	22 fl oz/a B	404	0	0
ROUNDUP POWERMAX	22 fl oz/a B	602	0	0
CLASS ACT RIDION	1 % v/v B			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
Mean =			0	0
12 AUTHORITY XL	5 oz/a B	203	0	0
XTENDIMAX	22 fl oz/a B	306	0	0
ROUNDUP POWERMAX	22 fl oz/a B	501	0	0
CLASS ACT RIDION	1 % v/v B	605	0	0
ANTHEM MAXX	3 fl oz/a F			
ROUNDUP POWERMAX	22 fl oz/a F			
N-PAK	2.5 % v/v F			
Mean =			0	0

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		ERICA	TARSS	ERICA	TARSS
Pest Name		Canada horsewe>	Dandelion	Canada horsewe>	Dandelion
Crop Code					
Crop Name					
Part Rated					
Rating Date		5/1/2017	5/1/2017	5/8/2017	5/8/2017
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%
Number of Subsamples		1	1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		14 14	14 14	21 21	21 21
Trt-Eval Interval		14 DA-A	14 DA-A	21 DA-A	21 DA-A
Days After Emergence		-20 DE-1	-20 DE-1	-13 DE-1	-13 DE-1
ARM Action Codes		P	P	P	P
Number of Decimals		0	0	0	0
Trt Treatment	Rate Appl				
No. Name	Rate Unit Code Plot	1	2	3	4
13 ENGENIA	12.8 fl oz/a B 204	0	0	0	0
ZIDUA PRO	6 fl oz/a B 305	0	0	0	0
ROUNDUP POWERMAX	22 fl oz/a B 406	0	0	0	0
CLASS ACT RIDION	1 % v/v B 504	0	0	0	0
ENGENIA	12.8 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =	0	0	0	0

Pest Type		W Weed	W Weed	W Weed
Pest Code		ERICA	TARSS	ERICA
Pest Name		Canada horsewe>	Dandelion	Canada horsewe>
Crop Code				
Crop Name				
Part Rated				
Rating Date		5/16/2017	5/16/2017	5/25/2017
Rating Type		CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		29 1	29 1	38 10
Trt-Eval Interval		1 DA-C	1 DA-C	13 DA-B
Days After Emergence		-5 DE-1	-5 DE-1	4 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	5	6
1 UNTREATED		101	0	0
		208	0	0
		407	0	0
		607	0	0
		Mean =	0	0
2 SHREDDER 2,4-D LV4	16 fl oz/a A	102	100	90
ROUNDUP POWERMAX	22 fl oz/a A	206	100	90
MSO	1 % v/v A	502	100	95
N-PAK	2.5 % v/v A	509	90	95
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	98	93
3 TRICOR	6 oz/a A	103	100	90
SHREDDER 2,4-D LV4	16 fl oz/a A	307	95	100
ROUNDUP POWERMAX	22 fl oz/a A	409	100	100
MSO	1 % v/v A	507	95	100
N-PAK	2.5 % v/v A			
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	98	98

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/16/2017	5/16/2017	5/25/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	29 1	29 1	38 10
Trt-Eval Interval	1 DA-C	1 DA-C	13 DA-B
Days After Emergence	-5 DE-1	-5 DE-1	4 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			5
			6
			7
4 ANTHEM MAXX	2.5 fl oz/a A	104	90
SHREDDER 2,4-D LV4	16 fl oz/a A	207	95
ROUNDUP POWERMAX	22 fl oz/a A	309	85
MSO	1 % v/v A	505	95
N-PAK	2.5 % v/v A		
AUTHORITY XL	5 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		91
5 VERDICT	5 fl oz/a A	105	100
SHREDDER 2,4-D LV4	16 fl oz/a A	308	100
ROUNDUP POWERMAX	22 fl oz/a A	403	100
MSO	1 % v/v A	606	100
N-PAK	2.5 % v/v A		
ZIDUA	2 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		100
6 AUTHORITY XL	5 oz/a A	106	95
SHREDDER 2,4-D LV4	16 fl oz/a A	302	80
ROUNDUP POWERMAX	22 fl oz/a A	401	85
MSO	1 % v/v A	603	100
N-PAK	2.5 % v/v A		
XTENDIMAX	22 fl oz/a E		
ROUNDUP POWERMAX	22 fl oz/a E		
ANTHEM MAXX	3 fl oz/a E		
CLASS ACT RIDION	1 % v/v E		
	Mean =		90
7 XTENDIMAX	22 fl oz/a B	107	10
ROUNDUP POWERMAX	22 fl oz/a B	209	10
CLASS ACT RIDION	1 % v/v B	408	10
XTENDIMAX	22 fl oz/a D	601	10
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		10

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/16/2017	5/16/2017	5/25/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	29 1	29 1	38 10
Trt-Eval Interval	1 DA-C	1 DA-C	13 DA-B
Days After Emergence	-5 DE-1	-5 DE-1	4 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			5 6 7
8 AUTHORITY FIRST	5 oz/a B	108	10 10 40
XTENDIMAX	22 fl oz/a B	205	10 10 60
ROUNDUP POWERMAX	22 fl oz/a B	402	10 10 50
CLASS ACT RIDION	1 % v/v B	506	10 10 85
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		10 10 59
9 AUTHORITY XL	5 oz/a B	109	10 10 50
XTENDIMAX	22 fl oz/a B	301	10 10 50
ROUNDUP POWERMAX	22 fl oz/a B	405	10 10 50
CLASS ACT RIDION	1 % v/v B	604	10 10 60
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		10 10 53
10 AUTHORITY MTZ	14 oz/a B	201	10 10 40
XTENDIMAX	22 fl oz/a B	304	10 10 40
ROUNDUP POWERMAX	22 fl oz/a B	503	10 10 50
CLASS ACT RIDION	1 % v/v B	508	10 10 50
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		10 10 45
11 ANTHEM MAXX	3.25 fl oz/a B	202	10 10 30
TRICOR	5 oz/a B	303	10 10 30
XTENDIMAX	22 fl oz/a B	404	10 10 40
ROUNDUP POWERMAX	22 fl oz/a B	602	10 10 70
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		10 10 43
12 AUTHORITY XL	5 oz/a B	203	10 10 40
XTENDIMAX	22 fl oz/a B	306	10 10 50
ROUNDUP POWERMAX	22 fl oz/a B	501	10 10 30
CLASS ACT RIDION	1 % v/v B	605	10 10 80
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
	Mean =		10 10 50

Pest Type		W Weed	W Weed	W Weed
Pest Code		ERICA	TARSS	ERICA
Pest Name		Canada horsewe>	Dandelion	Canada horsewe>
Crop Code				
Crop Name				
Part Rated				
Rating Date		5/16/2017	5/16/2017	5/25/2017
Rating Type		CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		29 1	29 1	38 10
Trt-Eval Interval		1 DA-C	1 DA-C	13 DA-B
Days After Emergence		-5 DE-1	-5 DE-1	4 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	5	6
13 ENGENIA	12.8 fl oz/a B	204	10	10
ZIDUA PRO	6 fl oz/a B	305	10	10
ROUNDUP POWERMAX	22 fl oz/a B	406	10	10
CLASS ACT RIDION	1 % v/v B	504	10	10
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
	Mean =		10	10
				75
				80
				80
				85
				80

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/25/2017	5/30/2017	5/30/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	38 10	43 15	43 15
Trt-Eval Interval	13 DA-B		
Days After Emergence	4 DE-1	9 DE-1	9 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			8
			9
			10
1 UNTREATED		101	0
		208	0
		407	0
		607	0
		Mean =	0
2 SHREDDER 2,4-D LV4	16 fl oz/a A	102	100
ROUNDUP POWERMAX	22 fl oz/a A	206	100
MSO	1 % v/v A	502	98
N-PAK	2.5 % v/v A	509	100
AUTHORITY XL	5 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
		Mean =	100
3 TRICOR	6 oz/a A	103	100
SHREDDER 2,4-D LV4	16 fl oz/a A	307	100
ROUNDUP POWERMAX	22 fl oz/a A	409	100
MSO	1 % v/v A	507	100
N-PAK	2.5 % v/v A		
AUTHORITY XL	5 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
		Mean =	100

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/25/2017	5/30/2017	5/30/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	38 10	43 15	43 15
Trt-Eval Interval	13 DA-B		
Days After Emergence	4 DE-1	9 DE-1	9 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			8
			9
			10
4 ANTHEM MAXX	2.5 fl oz/a A	104	100
SHREDDER 2,4-D LV4	16 fl oz/a A	207	100
ROUNDUP POWERMAX	22 fl oz/a A	309	100
MSO	1 % v/v A	505	100
N-PAK	2.5 % v/v A		
AUTHORITY XL	5 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		100
5 VERDICT	5 fl oz/a A	105	100
SHREDDER 2,4-D LV4	16 fl oz/a A	308	98
ROUNDUP POWERMAX	22 fl oz/a A	403	100
MSO	1 % v/v A	606	100
N-PAK	2.5 % v/v A		
ZIDUA	2 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		100
6 AUTHORITY XL	5 oz/a A	106	100
SHREDDER 2,4-D LV4	16 fl oz/a A	302	90
ROUNDUP POWERMAX	22 fl oz/a A	401	85
MSO	1 % v/v A	603	100
N-PAK	2.5 % v/v A		
XTENDIMAX	22 fl oz/a E		
ROUNDUP POWERMAX	22 fl oz/a E		
ANTHEM MAXX	3 fl oz/a E		
CLASS ACT RIDION	1 % v/v E		
	Mean =		94
7 XTENDIMAX	22 fl oz/a B	107	80
ROUNDUP POWERMAX	22 fl oz/a B	209	80
CLASS ACT RIDION	1 % v/v B	408	80
XTENDIMAX	22 fl oz/a D	601	70
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		78

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/25/2017	5/30/2017	5/30/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	38 10	43 15	43 15
Trt-Eval Interval	13 DA-B		
Days After Emergence	4 DE-1	9 DE-1	9 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			8
			9
			10
8 AUTHORITY FIRST	5 oz/a B	108	80
XTENDIMAX	22 fl oz/a B	205	90
ROUNDUP POWERMAX	22 fl oz/a B	402	80
CLASS ACT RIDION	1 % v/v B	506	95
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		86
			73
			100
9 AUTHORITY XL	5 oz/a B	109	80
XTENDIMAX	22 fl oz/a B	301	80
ROUNDUP POWERMAX	22 fl oz/a B	405	80
CLASS ACT RIDION	1 % v/v B	604	85
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		81
			73
			100
10 AUTHORITY MTZ	14 oz/a B	201	80
XTENDIMAX	22 fl oz/a B	304	80
ROUNDUP POWERMAX	22 fl oz/a B	503	80
CLASS ACT RIDION	1 % v/v B	508	90
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		83
			64
			100
11 ANTHEM MAXX	3.25 fl oz/a B	202	80
TRICOR	5 oz/a B	303	80
XTENDIMAX	22 fl oz/a B	404	95
ROUNDUP POWERMAX	22 fl oz/a B	602	90
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		86
			63
			100
12 AUTHORITY XL	5 oz/a B	203	80
XTENDIMAX	22 fl oz/a B	306	80
ROUNDUP POWERMAX	22 fl oz/a B	501	80
CLASS ACT RIDION	1 % v/v B	605	90
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
	Mean =		83
			65
			100

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/25/2017	5/30/2017	5/30/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	38 10	43 15	43 15
Trt-Eval Interval	13 DA-B		
Days After Emergence	4 DE-1	9 DE-1	9 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			8
			9
			10
13 ENGENIA	12.8 fl oz/a B	204	95
ZIDUA PRO	6 fl oz/a B	305	95
ROUNDUP POWERMAX	22 fl oz/a B	406	95
CLASS ACT RIDION	1 % v/v B	504	70
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		89
			80
			95

Pest Type			W Weed	W Weed	
Pest Code			ERICA	AMATA	
Pest Name			Canada horsewe>	Common waterhe>	
Crop Code					GLXMA
Crop Name					Soybean
Part Rated					
Rating Date			6/9/2017	6/9/2017	6/9/2017
Rating Type			CONTRO	CONTRO	PHYGEN
Rating Unit			%	%	%
Number of Subsamples			1	1	1
Assessed By			T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.			53 25	53 25	53 25
Trt-Eval Interval					
Days After Emergence			19 DE-1	19 DE-1	19 DE-1
ARM Action Codes			P	P	P
Number of Decimals			0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot	11	12	13
1 UNTREATED		101	0	0	0
		208	0	0	0
		407	0	0	0
		607	0	0	0
		Mean =	0	0	0
2 SHREDDER 2,4-D LV4	16 fl oz/a A	102	100	95	0
ROUNDUP POWERMAX	22 fl oz/a A	206	100	95	0
MSO	1 % v/v A	502	100	85	0
N-PAK	2.5 % v/v A	509	100	85	0
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
		Mean =	100	90	0
3 TRICOR	6 oz/a A	103	100	100	0
SHREDDER 2,4-D LV4	16 fl oz/a A	307	95	95	0
ROUNDUP POWERMAX	22 fl oz/a A	409	100	90	0
MSO	1 % v/v A	507	100	100	0
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
		Mean =	99	96	0

Pest Type	W Weed	W Weed			
Pest Code	ERICA	AMATA			
Pest Name	Canada horsewe>	Common waterhe>			
Crop Code			GLXMA		
Crop Name			Soybean		
Part Rated					
Rating Date	6/9/2017	6/9/2017	6/9/2017		
Rating Type	CONTRO	CONTRO	PHYGEN		
Rating Unit	%	%	%		
Number of Subsamples	1	1	1		
Assessed By	T. Campbell	T. Campbell	T. Campbell		
Days After First/Last Applic.	53 25	53 25	53 25		
Trt-Eval Interval					
Days After Emergence	19 DE-1	19 DE-1	19 DE-1		
ARM Action Codes	P	P	P		
Number of Decimals	0	0	0		
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot			
			11		
			12		
			13		
4 ANTHEM MAXX	2.5 fl oz/a A	104	100	100	0
SHREDDER 2,4-D LV4	16 fl oz/a A	207	100	100	0
ROUNDUP POWERMAX	22 fl oz/a A	309	100	98	0
MSO	1 % v/v A	505	95	95	0
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		99	98	0
5 VERDICT	5 fl oz/a A	105	100	100	0
SHREDDER 2,4-D LV4	16 fl oz/a A	308	100	100	0
ROUNDUP POWERMAX	22 fl oz/a A	403	100	85	0
MSO	1 % v/v A	606	100	100	0
N-PAK	2.5 % v/v A				
ZIDUA	2 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
ENGENIA	12.8 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		100	96	0
6 AUTHORITY XL	5 oz/a A	106	100	75	0
SHREDDER 2,4-D LV4	16 fl oz/a A	302	85	60	0
ROUNDUP POWERMAX	22 fl oz/a A	401	70	60	0
MSO	1 % v/v A	603	90	85	0
N-PAK	2.5 % v/v A				
XTENDIMAX	22 fl oz/a E				
ROUNDUP POWERMAX	22 fl oz/a E				
ANTHEM MAXX	3 fl oz/a E				
CLASS ACT RIDION	1 % v/v E				
	Mean =		86	70	0
7 XTENDIMAX	22 fl oz/a B	107	90	70	0
ROUNDUP POWERMAX	22 fl oz/a B	209	70	70	0
CLASS ACT RIDION	1 % v/v B	408	85	70	0
XTENDIMAX	22 fl oz/a D	601	75	60	0
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		80	68	0

Pest Type	W Weed	W Weed			
Pest Code	ERICA	AMATA			
Pest Name	Canada horsewe>	Common waterhe>			
Crop Code			GLXMA		
Crop Name			Soybean		
Part Rated					
Rating Date	6/9/2017	6/9/2017	6/9/2017		
Rating Type	CONTRO	CONTRO	PHYGEN		
Rating Unit	%	%	%		
Number of Subsamples	1	1	1		
Assessed By	T. Campbell	T. Campbell	T. Campbell		
Days After First/Last Applic.	53 25	53 25	53 25		
Trt-Eval Interval					
Days After Emergence	19 DE-1	19 DE-1	19 DE-1		
ARM Action Codes	P	P	P		
Number of Decimals	0	0	0		
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot			
			11		
			12		
			13		
8 AUTHORITY FIRST	5 oz/a B	108	90	100	0
XTENDIMAX	22 fl oz/a B	205	90	100	0
ROUNDUP POWERMAX	22 fl oz/a B	402	80	85	0
CLASS ACT RIDION	1 % v/v B	506	90	100	0
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		88	96	0
9 AUTHORITY XL	5 oz/a B	109	80	100	0
XTENDIMAX	22 fl oz/a B	301	70	95	0
ROUNDUP POWERMAX	22 fl oz/a B	405	85	90	0
CLASS ACT RIDION	1 % v/v B	604	95	85	0
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		83	93	0
10 AUTHORITY MTZ	14 oz/a B	201	60	95	0
XTENDIMAX	22 fl oz/a B	304	75	85	0
ROUNDUP POWERMAX	22 fl oz/a B	503	60	80	0
CLASS ACT RIDION	1 % v/v B	508	65	100	0
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		65	90	0
11 ANTHEM MAXX	3.25 fl oz/a B	202	70	90	0
TRICOR	5 oz/a B	303	65	90	0
XTENDIMAX	22 fl oz/a B	404	70	95	0
ROUNDUP POWERMAX	22 fl oz/a B	602	80	85	0
CLASS ACT RIDION	1 % v/v B				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		71	90	0
12 AUTHORITY XL	5 oz/a B	203	70	80	0
XTENDIMAX	22 fl oz/a B	306	85	95	0
ROUNDUP POWERMAX	22 fl oz/a B	501	60	90	0
CLASS ACT RIDION	1 % v/v B	605	90	95	0
ANTHEM MAXX	3 fl oz/a F				
ROUNDUP POWERMAX	22 fl oz/a F				
N-PAK	2.5 % v/v F				
	Mean =		76	90	0

Pest Type		W Weed	W Weed	
Pest Code		ERICA	AMATA	
Pest Name		Canada horsewe>	Common waterhe>	
Crop Code				GLXMA
Crop Name				Soybean
Part Rated				
Rating Date		6/9/2017	6/9/2017	6/9/2017
Rating Type		CONTRO	CONTRO	PHYGEN
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		53 25	53 25	53 25
Trt-Eval Interval				
Days After Emergence		19 DE-1	19 DE-1	19 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	11	12
13 ENGENIA	12.8 fl oz/a B	204	90	90
ZIDUA PRO	6 fl oz/a B	305	100	75
ROUNDUP POWERMAX	22 fl oz/a B	406	95	90
CLASS ACT RIDION	1 % v/v B	504	90	60
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	94	79
				0

Pest Type			W Weed		W Weed	
Pest Code			ERICA		AMATA	
Pest Name			Canada horsewe>		Common waterhe>	
Crop Code						GLXMA
Crop Name						Soybean
Part Rated						
Rating Date			6/12/2017		6/12/2017	6/12/2017
Rating Type			CONTRO		CONTRO	PHYGEN
Rating Unit			%		%	%
Number of Subsamples			1		1	1
Assessed By			T. Campbell		T. Campbell	T. Campbell
Days After First/Last Applic.			56 28		56 28	56 28
Trt-Eval Interval						
Days After Emergence			22 DE-1		22 DE-1	22 DE-1
ARM Action Codes			P		P	P
Number of Decimals			0		0	0
Trt Treatment		Rate	Appl			
No. Name		Rate Unit	Code Plot	14	15	16
1 UNTREATED			101	0	0	0
			208	0	0	0
			407	0	0	0
			607	0	0	0
			Mean =	0	0	0
2 SHREDDER 2,4-D LV4	16 fl oz/a	A	102	100	95	0
ROUNDUP POWERMAX	22 fl oz/a	A	206	100	90	0
MSO	1 % v/v	A	502	95	85	0
N-PAK	2.5 % v/v	A	509	98	85	0
AUTHORITY XL	5 oz/a	C				
GRAMOXONE SL	48 fl oz/a	C				
COC	1 % v/v	C				
N-PAK	2.5 % v/v	C				
XTENDIMAX	22 fl oz/a	D				
ROUNDUP POWERMAX	22 fl oz/a	D				
CLASS ACT RIDION	1 % v/v	D				
			Mean =	98	89	0
3 TRICOR	6 oz/a	A	103	100	95	0
SHREDDER 2,4-D LV4	16 fl oz/a	A	307	95	90	0
ROUNDUP POWERMAX	22 fl oz/a	A	409	100	90	0
MSO	1 % v/v	A	507	100	98	0
N-PAK	2.5 % v/v	A				
AUTHORITY XL	5 oz/a	C				
GRAMOXONE SL	48 fl oz/a	C				
COC	1 % v/v	C				
N-PAK	2.5 % v/v	C				
XTENDIMAX	22 fl oz/a	D				
ROUNDUP POWERMAX	22 fl oz/a	D				
CLASS ACT RIDION	1 % v/v	D				
			Mean =	99	93	0

Pest Type		W Weed	W Weed	
Pest Code		ERICA	AMATA	
Pest Name		Canada horsewe>	Common waterhe>	
Crop Code				GLXMA
Crop Name				Soybean
Part Rated				
Rating Date		6/12/2017	6/12/2017	6/12/2017
Rating Type		CONTRO	CONTRO	PHYGEN
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		56 28	56 28	56 28
Trt-Eval Interval				
Days After Emergence		22 DE-1	22 DE-1	22 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment				
No. Name	Rate	Appl		
	Rate Unit	Code Plot	14	15
4 ANTHEM MAXX	2.5 fl oz/a A	104	95	98
SHREDDER 2,4-D LV4	16 fl oz/a A	207	100	95
ROUNDUP POWERMAX	22 fl oz/a A	309	100	95
MSO	1 % v/v A	505	95	90
N-PAK	2.5 % v/v A			
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	98	95
5 VERDICT	5 fl oz/a A	105	100	98
SHREDDER 2,4-D LV4	16 fl oz/a A	308	100	98
ROUNDUP POWERMAX	22 fl oz/a A	403	100	90
MSO	1 % v/v A	606	100	100
N-PAK	2.5 % v/v A			
ZIDUA	2 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	100	97
6 AUTHORITY XL	5 oz/a A	106	95	70
SHREDDER 2,4-D LV4	16 fl oz/a A	302	80	60
ROUNDUP POWERMAX	22 fl oz/a A	401	70	60
MSO	1 % v/v A	603	90	80
N-PAK	2.5 % v/v A			
XTENDIMAX	22 fl oz/a E			
ROUNDUP POWERMAX	22 fl oz/a E			
ANTHEM MAXX	3 fl oz/a E			
CLASS ACT RIDION	1 % v/v E			
		Mean =	84	68
7 XTENDIMAX	22 fl oz/a B	107	95	75
ROUNDUP POWERMAX	22 fl oz/a B	209	80	65
CLASS ACT RIDION	1 % v/v B	408	90	75
XTENDIMAX	22 fl oz/a D	601	85	60
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	88	69

Pest Type	W Weed	W Weed	
Pest Code	ERICA	AMATA	
Pest Name	Canada horsewe>	Common waterhe>	
Crop Code			GLXMA
Crop Name			Soybean
Part Rated			
Rating Date	6/12/2017	6/12/2017	6/12/2017
Rating Type	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	56 28	56 28	56 28
Trt-Eval Interval			
Days After Emergence	22 DE-1	22 DE-1	22 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment No. Name	Rate Rate Unit	Appl Code Plot	
			14 15 16
8 AUTHORITY FIRST	5 oz/a B	108	90 95 0
XTENDIMAX	22 fl oz/a B	205	90 98 0
ROUNDUP POWERMAX	22 fl oz/a B	402	85 75 0
CLASS ACT RIDION	1 % v/v B	506	95 100 0
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		90 92 0
9 AUTHORITY XL	5 oz/a B	109	90 98 0
XTENDIMAX	22 fl oz/a B	301	75 90 0
ROUNDUP POWERMAX	22 fl oz/a B	405	90 85 0
CLASS ACT RIDION	1 % v/v B	604	95 85 0
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		88 90 0
10 AUTHORITY MTZ	14 oz/a B	201	70 95 0
XTENDIMAX	22 fl oz/a B	304	75 85 0
ROUNDUP POWERMAX	22 fl oz/a B	503	75 85 0
CLASS ACT RIDION	1 % v/v B	508	75 98 0
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		74 91 0
11 ANTHEM MAXX	3.25 fl oz/a B	202	70 90 0
TRICOR	5 oz/a B	303	75 85 0
XTENDIMAX	22 fl oz/a B	404	85 90 0
ROUNDUP POWERMAX	22 fl oz/a B	602	85 80 0
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		79 86 0
12 AUTHORITY XL	5 oz/a B	203	75 90 0
XTENDIMAX	22 fl oz/a B	306	95 95 0
ROUNDUP POWERMAX	22 fl oz/a B	501	75 80 0
CLASS ACT RIDION	1 % v/v B	605	90 95 0
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
	Mean =		84 90 0

Pest Type	W Weed	W Weed	
Pest Code	ERICA	AMATA	
Pest Name	Canada horsewe>	Common waterhe>	
Crop Code			GLXMA
Crop Name			Soybean
Part Rated			
Rating Date	6/12/2017	6/12/2017	6/12/2017
Rating Type	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	56 28	56 28	56 28
Trt-Eval Interval			
Days After Emergence	22 DE-1	22 DE-1	22 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			14
			15
			16
13 ENGENIA	12.8 fl oz/a B	204	95
ZIDUA PRO	6 fl oz/a B	305	100
ROUNDUP POWERMAX	22 fl oz/a B	406	100
CLASS ACT RIDION	1 % v/v B	504	95
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		98
			80
			0

Pest Type			W Weed	W Weed	W Weed
Pest Code			ERICA	AMATA	AMATA
Pest Name			Canada horsewe>	Common waterhe>	Common waterhe>
Crop Code					
Crop Name					
Part Rated					
Rating Date			6/26/2017	6/26/2017	7/3/2017
Rating Type			CONTRO	CONTRO	CONTRO
Rating Unit			%	%	%
Number of Subsamples			1	1	1
Assessed By			T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.			70 2	70 2	77 9
Trt-Eval Interval					
Days After Emergence			36 DE-1	36 DE-1	43 DE-1
ARM Action Codes			P	P	P
Number of Decimals			0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot	17	18	19
1 UNTREATED		101	0	0	0
		208	0	0	0
		407	0	0	0
		607	0	0	0
		Mean =	0	0	0
2 SHREDDER 2,4-D LV4	16 fl oz/a A	102	100	100	98
ROUNDUP POWERMAX	22 fl oz/a A	206	90	100	90
MSO	1 % v/v A	502	94*	100*	85*
N-PAK	2.5 % v/v A	509	98	100	70
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
		Mean =	95	100	86
3 TRICOR	6 oz/a A	103	100	98	90
SHREDDER 2,4-D LV4	16 fl oz/a A	307	100	100	95
ROUNDUP POWERMAX	22 fl oz/a A	409	98	100	98
MSO	1 % v/v A	507	98	100	95
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
		Mean =	99	100	95

Pest Type	W Weed	W Weed	W Weed		
Pest Code	ERICA	AMATA	AMATA		
Pest Name	Canada horsewe>	Common waterhe>	Common waterhe>		
Crop Code					
Crop Name					
Part Rated					
Rating Date	6/26/2017	6/26/2017	7/3/2017		
Rating Type	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%		
Number of Subsamples	1	1	1		
Assessed By	T. Campbell	T. Campbell	T. Campbell		
Days After First/Last Applic.	70 2	70 2	77 9		
Trt-Eval Interval					
Days After Emergence	36 DE-1	36 DE-1	43 DE-1		
ARM Action Codes	P	P	P		
Number of Decimals	0	0	0		
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot			
			17		
			18		
			19		
4 ANTHEM MAXX	2.5 fl oz/a A	104	98	98	95
SHREDDER 2,4-D LV4	16 fl oz/a A	207	95	100	95
ROUNDUP POWERMAX	22 fl oz/a A	309	100	100	98
MSO	1 % v/v A	505	100	100	90
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		98	100	95
5 VERDICT	5 fl oz/a A	105	100	100	75
SHREDDER 2,4-D LV4	16 fl oz/a A	308	100	100	90
ROUNDUP POWERMAX	22 fl oz/a A	403	90	100	80
MSO	1 % v/v A	606	100	100	85
N-PAK	2.5 % v/v A				
ZIDUA	2 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
ENGENIA	12.8 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		98	100	83
6 AUTHORITY XL	5 oz/a A	106	70	80	95
SHREDDER 2,4-D LV4	16 fl oz/a A	302	70	60	85
ROUNDUP POWERMAX	22 fl oz/a A	401	80	70	80
MSO	1 % v/v A	603	75	95	85
N-PAK	2.5 % v/v A				
XTENDIMAX	22 fl oz/a E				
ROUNDUP POWERMAX	22 fl oz/a E				
ANTHEM MAXX	3 fl oz/a E				
CLASS ACT RIDION	1 % v/v E				
	Mean =		74	76	86
7 XTENDIMAX	22 fl oz/a B	107	100	100	90
ROUNDUP POWERMAX	22 fl oz/a B	209	60	90	60
CLASS ACT RIDION	1 % v/v B	408	60	90	65
XTENDIMAX	22 fl oz/a D	601	75	85	60
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		74	91	69

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	AMATA
Pest Name	Canada horsewe>	Common waterhe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	6/26/2017	6/26/2017	7/3/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	70 2	70 2	77 9
Trt-Eval Interval			
Days After Emergence	36 DE-1	36 DE-1	43 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			17
8 AUTHORITY FIRST	5 oz/a B	108	98
XTENDIMAX	22 fl oz/a B	205	100
ROUNDUP POWERMAX	22 fl oz/a B	402	80
CLASS ACT RIDION	1 % v/v B	506	95
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		93
9 AUTHORITY XL	5 oz/a B	109	100
XTENDIMAX	22 fl oz/a B	301	85
ROUNDUP POWERMAX	22 fl oz/a B	405	98
CLASS ACT RIDION	1 % v/v B	604	90
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		93
10 AUTHORITY MTZ	14 oz/a B	201	90
XTENDIMAX	22 fl oz/a B	304	90
ROUNDUP POWERMAX	22 fl oz/a B	503	80
CLASS ACT RIDION	1 % v/v B	508	75
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		84
11 ANTHEM MAXX	3.25 fl oz/a B	202	95
TRICOR	5 oz/a B	303	85
XTENDIMAX	22 fl oz/a B	404	95
ROUNDUP POWERMAX	22 fl oz/a B	602	85
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		90
12 AUTHORITY XL	5 oz/a B	203	90
XTENDIMAX	22 fl oz/a B	306	85
ROUNDUP POWERMAX	22 fl oz/a B	501	80
CLASS ACT RIDION	1 % v/v B	605	90
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
	Mean =		86
			18
			19
			95
			85
			95
			95
			90
			96
			91
			95
			80
			100
			100
			85
			94
			85
			80
			85
			80
			80
			70
			70
			81
			73
			80
			70
			70
			80
			80
			95
			90
			86
			70
			85
			95
			90
			80
			85
			100
			90
			90

Pest Type		W Weed	W Weed	W Weed
Pest Code		ERICA	AMATA	AMATA
Pest Name		Canada horsewe>	Common waterhe>	Common waterhe>
Crop Code				
Crop Name				
Part Rated				
Rating Date		6/26/2017	6/26/2017	7/3/2017
Rating Type		CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		70 2	70 2	77 9
Trt-Eval Interval				
Days After Emergence		36 DE-1	36 DE-1	43 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	17	18
13 ENGENIA	12.8 fl oz/a B	204	98	98
ZIDUA PRO	6 fl oz/a B	305	85	100
ROUNDUP POWERMAX	22 fl oz/a B	406	90	100
CLASS ACT RIDION	1 % v/v B	504	60	100
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	83	100
				70

Pest Type			W Weed	W Weed	W Weed
Pest Code			ERICA	AMATA	ERICA
Pest Name			Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code					
Crop Name					
Part Rated					
Rating Date			7/3/2017	7/9/2017	7/9/2017
Rating Type			CONTRO	CONTRO	CONTRO
Rating Unit			%	%	%
Number of Subsamples			1	1	1
Assessed By			T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.			77 9	83 15	83 15
Trt-Eval Interval					
Days After Emergence			43 DE-1	49 DE-1	49 DE-1
ARM Action Codes			P	P	P
Number of Decimals			0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot	20	21	22
1 UNTREATED		101	0	0	0
		208	0	0	0
		407	0	0	0
		607	0	0	0
		Mean =	0	0	0
2 SHREDDER 2,4-D LV4	16 fl oz/a A	102	100	95	100
ROUNDUP POWERMAX	22 fl oz/a A	206	100	85	100
MSO	1 % v/v A	502	100*	87*	100*
N-PAK	2.5 % v/v A	509	100	85	100
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
		Mean =	100	88	100
3 TRICOR	6 oz/a A	103	100	90	100
SHREDDER 2,4-D LV4	16 fl oz/a A	307	100	95	100
ROUNDUP POWERMAX	22 fl oz/a A	409	100	90	100
MSO	1 % v/v A	507	100	95	100
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
		Mean =	100	93	100

Pest Type	W Weed	W Weed	W Weed		
Pest Code	ERICA	AMATA	ERICA		
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>		
Crop Code					
Crop Name					
Part Rated					
Rating Date	7/3/2017	7/9/2017	7/9/2017		
Rating Type	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%		
Number of Subsamples	1	1	1		
Assessed By	T. Campbell	T. Campbell	T. Campbell		
Days After First/Last Applic.	77 9	83 15	83 15		
Trt-Eval Interval					
Days After Emergence	43 DE-1	49 DE-1	49 DE-1		
ARM Action Codes	P	P	P		
Number of Decimals	0	0	0		
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot			
			20		
			21		
			22		
4 ANTHEM MAXX	2.5 fl oz/a A	104	100	95	100
SHREDDER 2,4-D LV4	16 fl oz/a A	207	95	85	95
ROUNDUP POWERMAX	22 fl oz/a A	309	100	85	100
MSO	1 % v/v A	505	100	85	100
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		99	88	99
5 VERDICT	5 fl oz/a A	105	100	70	100
SHREDDER 2,4-D LV4	16 fl oz/a A	308	100	85	100
ROUNDUP POWERMAX	22 fl oz/a A	403	100	70	100
MSO	1 % v/v A	606	100	85	100
N-PAK	2.5 % v/v A				
ZIDUA	2 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
ENGENIA	12.8 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		100	78	100
6 AUTHORITY XL	5 oz/a A	106	85	95	90
SHREDDER 2,4-D LV4	16 fl oz/a A	302	60	85	65
ROUNDUP POWERMAX	22 fl oz/a A	401	70	80	70
MSO	1 % v/v A	603	90	85	90
N-PAK	2.5 % v/v A				
XTENDIMAX	22 fl oz/a E				
ROUNDUP POWERMAX	22 fl oz/a E				
ANTHEM MAXX	3 fl oz/a E				
CLASS ACT RIDION	1 % v/v E				
	Mean =		76	86	79
7 XTENDIMAX	22 fl oz/a B	107	98	90	100
ROUNDUP POWERMAX	22 fl oz/a B	209	90	60	100
CLASS ACT RIDION	1 % v/v B	408	95	65	100
XTENDIMAX	22 fl oz/a D	601	95	55	95
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		95	68	99

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	ERICA
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/3/2017	7/9/2017	7/9/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	77 9	83 15	83 15
Trt-Eval Interval			
Days After Emergence	43 DE-1	49 DE-1	49 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			20
			21
			22
8 AUTHORITY FIRST	5 oz/a B	108	98
XTENDIMAX	22 fl oz/a B	205	100
ROUNDUP POWERMAX	22 fl oz/a B	402	95
CLASS ACT RIDION	1 % v/v B	506	100
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		98
9 AUTHORITY XL	5 oz/a B	109	95
XTENDIMAX	22 fl oz/a B	301	85
ROUNDUP POWERMAX	22 fl oz/a B	405	100
CLASS ACT RIDION	1 % v/v B	604	100
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		95
10 AUTHORITY MTZ	14 oz/a B	201	85
XTENDIMAX	22 fl oz/a B	304	85
ROUNDUP POWERMAX	22 fl oz/a B	503	90
CLASS ACT RIDION	1 % v/v B	508	85
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		86
11 ANTHEM MAXX	3.25 fl oz/a B	202	85
TRICOR	5 oz/a B	303	85
XTENDIMAX	22 fl oz/a B	404	95
ROUNDUP POWERMAX	22 fl oz/a B	602	95
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		90
12 AUTHORITY XL	5 oz/a B	203	80
XTENDIMAX	22 fl oz/a B	306	90
ROUNDUP POWERMAX	22 fl oz/a B	501	85
CLASS ACT RIDION	1 % v/v B	605	100
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
	Mean =		89

Pest Type		W Weed	W Weed	W Weed
Pest Code		ERICA	AMATA	ERICA
Pest Name		Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code				
Crop Name				
Part Rated				
Rating Date		7/3/2017	7/9/2017	7/9/2017
Rating Type		CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		77 9	83 15	83 15
Trt-Eval Interval				
Days After Emergence		43 DE-1	49 DE-1	49 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	20	21
13 ENGENIA	12.8 fl oz/a B	204	100	80
ZIDUA PRO	6 fl oz/a B	305	100	55
ROUNDUP POWERMAX	22 fl oz/a B	406	100	65
CLASS ACT RIDION	1 % v/v B	504	100	60
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
	Mean =		100	65
				100

Pest Type				W Weed AMATA	W Weed ERICA	W Weed AMATA
Pest Code				Common waterhe>	Canada horsewe>	Common waterhe>
Pest Name						
Crop Code						
Crop Name						
Part Rated						
Rating Date				7/17/2017	7/17/2017	7/24/2017
Rating Type				CONTRO	CONTRO	CONTRO
Rating Unit				%	%	%
Number of Subsamples				1	1	1
Assessed By				T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.				91 23	91 23	98 30
Trt-Eval Interval						
Days After Emergence				57 DE-1	57 DE-1	64 DE-1
ARM Action Codes				P	P	P
Number of Decimals				0	0	0
Trt Treatment	Rate	Appl				
No. Name	Rate Unit	Code	Plot	23	24	25
1 UNTREATED			101	0	0	0
			208	0	0	0
			407	0	0	0
			607	0	0	0
			Mean =	0	0	0
2 SHREDDER 2,4-D LV4	16 fl oz/a	A	102	85	100	85
ROUNDUP POWERMAX	22 fl oz/a	A	206	80	100	80
MSO	1 % v/v	A	502	84*	100*	84*
N-PAK	2.5 % v/v	A	509	85	100	85
AUTHORITY XL	5 oz/a	C				
GRAMOXONE SL	48 fl oz/a	C				
COC	1 % v/v	C				
N-PAK	2.5 % v/v	C				
XTENDIMAX	22 fl oz/a	D				
ROUNDUP POWERMAX	22 fl oz/a	D				
CLASS ACT RIDION	1 % v/v	D				
			Mean =	83	100	83
3 TRICOR	6 oz/a	A	103	85	100	85
SHREDDER 2,4-D LV4	16 fl oz/a	A	307	90	100	90
ROUNDUP POWERMAX	22 fl oz/a	A	409	90	100	90
MSO	1 % v/v	A	507	90	100	90
N-PAK	2.5 % v/v	A				
AUTHORITY XL	5 oz/a	C				
GRAMOXONE SL	48 fl oz/a	C				
COC	1 % v/v	C				
N-PAK	2.5 % v/v	C				
XTENDIMAX	22 fl oz/a	D				
ROUNDUP POWERMAX	22 fl oz/a	D				
CLASS ACT RIDION	1 % v/v	D				
			Mean =	89	100	89

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/17/2017	7/17/2017	7/24/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	91 23	91 23	98 30
Trt-Eval Interval			
Days After Emergence	57 DE-1	57 DE-1	64 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			23
			24
			25
4 ANTHEM MAXX	2.5 fl oz/a A	104	90
SHREDDER 2,4-D LV4	16 fl oz/a A	207	85
ROUNDUP POWERMAX	22 fl oz/a A	309	85
MSO	1 % v/v A	505	85
N-PAK	2.5 % v/v A		
AUTHORITY XL	5 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		86
5 VERDICT	5 fl oz/a A	105	60
SHREDDER 2,4-D LV4	16 fl oz/a A	308	80
ROUNDUP POWERMAX	22 fl oz/a A	403	65
MSO	1 % v/v A	606	80
N-PAK	2.5 % v/v A		
ZIDUA	2 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		71
6 AUTHORITY XL	5 oz/a A	106	95
SHREDDER 2,4-D LV4	16 fl oz/a A	302	90
ROUNDUP POWERMAX	22 fl oz/a A	401	90
MSO	1 % v/v A	603	90
N-PAK	2.5 % v/v A		
XTENDIMAX	22 fl oz/a E		
ROUNDUP POWERMAX	22 fl oz/a E		
ANTHEM MAXX	3 fl oz/a E		
CLASS ACT RIDION	1 % v/v E		
	Mean =		91
7 XTENDIMAX	22 fl oz/a B	107	80
ROUNDUP POWERMAX	22 fl oz/a B	209	50
CLASS ACT RIDION	1 % v/v B	408	65
XTENDIMAX	22 fl oz/a D	601	55
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		63

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/17/2017	7/17/2017	7/24/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	91 23	91 23	98 30
Trt-Eval Interval			
Days After Emergence	57 DE-1	57 DE-1	64 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			23
			24
			25
8 AUTHORITY FIRST	5 oz/a B	108	90
XTENDIMAX	22 fl oz/a B	205	70
ROUNDUP POWERMAX	22 fl oz/a B	402	90
CLASS ACT RIDION	1 % v/v B	506	85
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		84
9 AUTHORITY XL	5 oz/a B	109	90
XTENDIMAX	22 fl oz/a B	301	65
ROUNDUP POWERMAX	22 fl oz/a B	405	70
CLASS ACT RIDION	1 % v/v B	604	75
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		75
10 AUTHORITY MTZ	14 oz/a B	201	65
XTENDIMAX	22 fl oz/a B	304	60
ROUNDUP POWERMAX	22 fl oz/a B	503	70
CLASS ACT RIDION	1 % v/v B	508	70
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		66
11 ANTHEM MAXX	3.25 fl oz/a B	202	70
TRICOR	5 oz/a B	303	50
XTENDIMAX	22 fl oz/a B	404	65
ROUNDUP POWERMAX	22 fl oz/a B	602	50
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		59
12 AUTHORITY XL	5 oz/a B	203	90
XTENDIMAX	22 fl oz/a B	306	90
ROUNDUP POWERMAX	22 fl oz/a B	501	85
CLASS ACT RIDION	1 % v/v B	605	90
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
	Mean =		89

Pest Type		W Weed	W Weed	W Weed
Pest Code		AMATA	ERICA	AMATA
Pest Name		Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code				
Crop Name				
Part Rated				
Rating Date		7/17/2017	7/17/2017	7/24/2017
Rating Type		CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		91 23	91 23	98 30
Trt-Eval Interval				
Days After Emergence		57 DE-1	57 DE-1	64 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate Appl			
No. Name	Rate Unit Code Plot	23	24	25
13 ENGENIA	12.8 fl oz/a B 204	80	100	80
ZIDUA PRO	6 fl oz/a B 305	55	100	55
ROUNDUP POWERMAX	22 fl oz/a B 406	65	100	65
CLASS ACT RIDION	1 % v/v B 504	60	100	60
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
	Mean =	65	100	65

Pest Type			W Weed	W Weed	W Weed
Pest Code			ERICA	AMATA	ERICA
Pest Name			Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code					
Crop Name					
Part Rated					
Rating Date			7/24/2017	8/14/2017	8/14/2017
Rating Type			CONTRO	CONTRO	CONTRO
Rating Unit			%	%	%
Number of Subsamples			1	1	1
Assessed By			T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.			98 30	119 51	119 51
Trt-Eval Interval					
Days After Emergence			64 DE-1	85 DE-1	85 DE-1
ARM Action Codes			P	P	P
Number of Decimals			0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot	26	27	28
1 UNTREATED		101	0	0	0
		208	0	0	0
		407	0	0	0
		607	0	0	0
		Mean =	0	0	0
2 SHREDDER 2,4-D LV4	16 fl oz/a A	102	100	80	100
ROUNDUP POWERMAX	22 fl oz/a A	206	100	80	100
MSO	1 % v/v A	502	100*	82*	100*
N-PAK	2.5 % v/v A	509	100	85	100
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
		Mean =	100	82	100
3 TRICOR	6 oz/a A	103	100	80	100
SHREDDER 2,4-D LV4	16 fl oz/a A	307	100	90	100
ROUNDUP POWERMAX	22 fl oz/a A	409	100	85	100
MSO	1 % v/v A	507	100	90	100
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
		Mean =	100	86	100

Pest Type	W Weed	W Weed	W Weed		
Pest Code	ERICA	AMATA	ERICA		
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>		
Crop Code					
Crop Name					
Part Rated					
Rating Date	7/24/2017	8/14/2017	8/14/2017		
Rating Type	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%		
Number of Subsamples	1	1	1		
Assessed By	T. Campbell	T. Campbell	T. Campbell		
Days After First/Last Applic.	98 30	119 51	119 51		
Trt-Eval Interval					
Days After Emergence	64 DE-1	85 DE-1	85 DE-1		
ARM Action Codes	P	P	P		
Number of Decimals	0	0	0		
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot			
			26		
			27		
			28		
4 ANTHEM MAXX	2.5 fl oz/a A	104	100	90	100
SHREDDER 2,4-D LV4	16 fl oz/a A	207	100	85	100
ROUNDUP POWERMAX	22 fl oz/a A	309	100	85	100
MSO	1 % v/v A	505	100	80	100
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		100	85	100
5 VERDICT	5 fl oz/a A	105	100	60	100
SHREDDER 2,4-D LV4	16 fl oz/a A	308	100	80	100
ROUNDUP POWERMAX	22 fl oz/a A	403	100	70	100
MSO	1 % v/v A	606	100	80	100
N-PAK	2.5 % v/v A				
ZIDUA	2 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
ENGENIA	12.8 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		100	73	100
6 AUTHORITY XL	5 oz/a A	106	100	95	100
SHREDDER 2,4-D LV4	16 fl oz/a A	302	80	90	90
ROUNDUP POWERMAX	22 fl oz/a A	401	85	90	90
MSO	1 % v/v A	603	90	85	90
N-PAK	2.5 % v/v A				
XTENDIMAX	22 fl oz/a E				
ROUNDUP POWERMAX	22 fl oz/a E				
ANTHEM MAXX	3 fl oz/a E				
CLASS ACT RIDION	1 % v/v E				
	Mean =		89	90	93
7 XTENDIMAX	22 fl oz/a B	107	100	75	100
ROUNDUP POWERMAX	22 fl oz/a B	209	100	50	100
CLASS ACT RIDION	1 % v/v B	408	100	60	100
XTENDIMAX	22 fl oz/a D	601	95	50	95
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
	Mean =		99	59	99

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	ERICA
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/24/2017	8/14/2017	8/14/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	98 30	119 51	119 51
Trt-Eval Interval			
Days After Emergence	64 DE-1	85 DE-1	85 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			26
			27
			28
8 AUTHORITY FIRST	5 oz/a B	108	100
XTENDIMAX	22 fl oz/a B	205	100
ROUNDUP POWERMAX	22 fl oz/a B	402	98
CLASS ACT RIDION	1 % v/v B	506	100
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		100
9 AUTHORITY XL	5 oz/a B	109	100
XTENDIMAX	22 fl oz/a B	301	95
ROUNDUP POWERMAX	22 fl oz/a B	405	100
CLASS ACT RIDION	1 % v/v B	604	100
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		99
10 AUTHORITY MTZ	14 oz/a B	201	95
XTENDIMAX	22 fl oz/a B	304	95
ROUNDUP POWERMAX	22 fl oz/a B	503	95
CLASS ACT RIDION	1 % v/v B	508	100
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		96
11 ANTHEM MAXX	3.25 fl oz/a B	202	95
TRICOR	5 oz/a B	303	95
XTENDIMAX	22 fl oz/a B	404	100
ROUNDUP POWERMAX	22 fl oz/a B	602	95
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		96
12 AUTHORITY XL	5 oz/a B	203	85
XTENDIMAX	22 fl oz/a B	306	100
ROUNDUP POWERMAX	22 fl oz/a B	501	90
CLASS ACT RIDION	1 % v/v B	605	100
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
	Mean =		94

Pest Type		W Weed	W Weed	W Weed
Pest Code		ERICA	AMATA	ERICA
Pest Name		Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code				
Crop Name				
Part Rated				
Rating Date		7/24/2017	8/14/2017	8/14/2017
Rating Type		CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		98 30	119 51	119 51
Trt-Eval Interval				
Days After Emergence		64 DE-1	85 DE-1	85 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	26	27
13 ENGENIA	12.8 fl oz/a B	204	100	80
ZIDUA PRO	6 fl oz/a B	305	100	50
ROUNDUP POWERMAX	22 fl oz/a B	406	100	60
CLASS ACT RIDION	1 % v/v B	504	100	60
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	100	63
				100

Pest Type				
Pest Code				
Pest Name				
Crop Code	GLXMA	GLXMA	GLXMA	
Crop Name	Soybean	Soybean	Soybean	
Part Rated	PLOT C	PLOT C	PLOT C	
Rating Date	10/18/2017	10/18/2017	10/18/2017	
Rating Type	YIELD	MOICON	YIELD	
Rating Unit	lb/plot	%	BU	
Number of Subsamples	1	1	1	
Assessed By	T. Campbell	T. Campbell	T. Campbell	
Days After First/Last Applic.	184 116	184 116	184 116	
Trt-Eval Interval				
Days After Emergence	150 DE-1	150 DE-1	150 DE-1	
ARM Action Codes			TY1	
Number of Decimals	1	1	1	
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	29	30
1 UNTREATED		101	2.2	15.7
		208	1.3	15.7
		407	2.8	15.7
		607	1.7	15.7
		Mean =	2.0	15.7
2 SHREDDER 2,4-D LV4	16 fl oz/a A	102	7.5	15.7
ROUNDUP POWERMAX	22 fl oz/a A	206	8.0	15.7
MSO	1 % v/v A	502	7.0*	15.7*
N-PAK	2.5 % v/v A	509	7.4	15.7
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	7.5	15.7
3 TRICOR	6 oz/a A	103	8.2	15.7
SHREDDER 2,4-D LV4	16 fl oz/a A	307	8.5	15.7
ROUNDUP POWERMAX	22 fl oz/a A	409	7.7	15.7
MSO	1 % v/v A	507	4.8	15.7
N-PAK	2.5 % v/v A			
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
		Mean =	7.3	15.7
				20.6

Pest Type					
Pest Code					
Pest Name					
Crop Code		GLXMA	GLXMA	GLXMA	
Crop Name		Soybean	Soybean	Soybean	
Part Rated		PLOT C	PLOT C	PLOT C	
Rating Date		10/18/2017	10/18/2017	10/18/2017	
Rating Type		YIELD	MOICON	YIELD	
Rating Unit		lb/plot	%	BU	
Number of Subsamples		1	1	1	
Assessed By		T. Campbell	T. Campbell	T. Campbell	
Days After First/Last Applic.		184 116	184 116	184 116	
Trt-Eval Interval					
Days After Emergence		150 DE-1	150 DE-1	150 DE-1	
ARM Action Codes				TY1	
Number of Decimals		1	1	1	
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot	29	30	31
4 ANTHEM MAXX	2.5 fl oz/a	A 104	6.9	15.7	19.4
SHREDDER 2,4-D LV4	16 fl oz/a	A 207	7.6	15.7	21.6
ROUNDUP POWERMAX	22 fl oz/a	A 309	7.7	15.7	21.9
MSO	1 % v/v	A 505	8.9	15.7	25.2
N-PAK	2.5 % v/v	A			
AUTHORITY XL	5 oz/a	C			
GRAMOXONE SL	48 fl oz/a	C			
COC	1 % v/v	C			
N-PAK	2.5 % v/v	C			
XTENDIMAX	22 fl oz/a	D			
ROUNDUP POWERMAX	22 fl oz/a	D			
CLASS ACT RIDION	1 % v/v	D			
		Mean =	7.8	15.7	22.0
5 VERDICT	5 fl oz/a	A 105	6.2	15.7	17.5
SHREDDER 2,4-D LV4	16 fl oz/a	A 308	7.7	15.7	21.8
ROUNDUP POWERMAX	22 fl oz/a	A 403	6.1	15.7	17.2
MSO	1 % v/v	A 606	8.7	15.7	24.5
N-PAK	2.5 % v/v	A			
ZIDUA	2 oz/a	C			
GRAMOXONE SL	48 fl oz/a	C			
COC	1 % v/v	C			
N-PAK	2.5 % v/v	C			
ENGENIA	12.8 fl oz/a	D			
ROUNDUP POWERMAX	22 fl oz/a	D			
CLASS ACT RIDION	1 % v/v	D			
		Mean =	7.2	15.7	20.2
6 AUTHORITY XL	5 oz/a	A 106	6.5	15.7	18.2
SHREDDER 2,4-D LV4	16 fl oz/a	A 302	8.3	15.7	23.3
ROUNDUP POWERMAX	22 fl oz/a	A 401	6.8	15.7	19.2
MSO	1 % v/v	A 603	14.0	15.7	39.4
N-PAK	2.5 % v/v	A			
XTENDIMAX	22 fl oz/a	E			
ROUNDUP POWERMAX	22 fl oz/a	E			
ANTHEM MAXX	3 fl oz/a	E			
CLASS ACT RIDION	1 % v/v	E			
		Mean =	8.9	15.7	25.0
7 XTENDIMAX	22 fl oz/a	B 107	5.2	15.7	14.7
ROUNDUP POWERMAX	22 fl oz/a	B 209	6.0	15.7	16.9
CLASS ACT RIDION	1 % v/v	B 408	6.9	15.7	19.5
XTENDIMAX	22 fl oz/a	D 601	9.9	15.7	27.9
ROUNDUP POWERMAX	22 fl oz/a	D			
CLASS ACT RIDION	1 % v/v	D			
		Mean =	7.0	15.7	19.7

Pest Type						
Pest Code						
Pest Name						
Crop Code		GLXMA	GLXMA	GLXMA		
Crop Name		Soybean	Soybean	Soybean		
Part Rated		PLOT C	PLOT C	PLOT C		
Rating Date		10/18/2017	10/18/2017	10/18/2017		
Rating Type		YIELD	MOICON	YIELD		
Rating Unit		lb/plot	%	BU		
Number of Subsamples		1	1	1		
Assessed By		T. Campbell	T. Campbell	T. Campbell		
Days After First/Last Applic.		184 116	184 116	184 116		
Trt-Eval Interval						
Days After Emergence		150 DE-1	150 DE-1	150 DE-1		
ARM Action Codes				TY1		
Number of Decimals		1	1	1		
Trt Treatment	Rate	Appl				
No. Name	Rate Unit	Code Plot	29	30	31	
8 AUTHORITY FIRST	5 oz/a	B 108	4.4	15.7	12.5	
XTENDIMAX	22 fl oz/a	B 205	8.0	15.7	22.6	
ROUNDUP POWERMAX	22 fl oz/a	B 402	8.5	15.7	24.1	
CLASS ACT RIDION	1 % v/v	B 506	8.0	15.7	22.6	
XTENDIMAX	22 fl oz/a	D				
ROUNDUP POWERMAX	22 fl oz/a	D				
CLASS ACT RIDION	1 % v/v	D				
		Mean =	7.2	15.7	20.4	
9 AUTHORITY XL	5 oz/a	B 109	6.1	15.7	17.2	
XTENDIMAX	22 fl oz/a	B 301	9.6	15.7	27.1	
ROUNDUP POWERMAX	22 fl oz/a	B 405	7.8	15.7	22.0	
CLASS ACT RIDION	1 % v/v	B 604	10.9	15.7	30.8	
XTENDIMAX	22 fl oz/a	D				
ROUNDUP POWERMAX	22 fl oz/a	D				
CLASS ACT RIDION	1 % v/v	D				
		Mean =	8.6	15.7	24.3	
10 AUTHORITY MTZ	14 oz/a	B 201	5.7	15.7	16.1	
XTENDIMAX	22 fl oz/a	B 304	10.1	15.7	28.6	
ROUNDUP POWERMAX	22 fl oz/a	B 503	5.8	15.7	16.3	
CLASS ACT RIDION	1 % v/v	B 508	7.1	15.7	20.0	
XTENDIMAX	22 fl oz/a	D				
ROUNDUP POWERMAX	22 fl oz/a	D				
CLASS ACT RIDION	1 % v/v	D				
		Mean =	7.2	15.7	20.2	
11 ANTHEM MAXX	3.25 fl oz/a	B 202	7.7	15.7	21.8	
TRICOR	5 oz/a	B 303	9.7	15.7	27.3	
XTENDIMAX	22 fl oz/a	B 404	8.0	15.7	22.6	
ROUNDUP POWERMAX	22 fl oz/a	B 602	9.9	15.7	27.9	
CLASS ACT RIDION	1 % v/v	B				
XTENDIMAX	22 fl oz/a	D				
ROUNDUP POWERMAX	22 fl oz/a	D				
CLASS ACT RIDION	1 % v/v	D				
		Mean =	8.8	15.7	24.9	
12 AUTHORITY XL	5 oz/a	B 203	8.0	15.7	22.6	
XTENDIMAX	22 fl oz/a	B 306	9.1	15.7	25.7	
ROUNDUP POWERMAX	22 fl oz/a	B 501	7.4	15.7	21.0	
CLASS ACT RIDION	1 % v/v	B 605	10.5	15.7	29.6	
ANTHEM MAXX	3 fl oz/a	F				
ROUNDUP POWERMAX	22 fl oz/a	F				
N-PAK	2.5 % v/v	F				
		Mean =	8.8	15.7	24.7	

Pest Type			
Pest Code			
Pest Name			
Crop Code	GLXMA	GLXMA	GLXMA
Crop Name	Soybean	Soybean	Soybean
Part Rated	PLOT C	PLOT C	PLOT C
Rating Date	10/18/2017	10/18/2017	10/18/2017
Rating Type	YIELD	MOICON	YIELD
Rating Unit	lb/plot	%	BU
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	184 116	184 116	184 116
Trt-Eval Interval			
Days After Emergence	150 DE-1	150 DE-1	150 DE-1
ARM Action Codes			TY1
Number of Decimals	1	1	1
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
			29
			30
			31
13 ENGENIA	12.8 fl oz/a B	204	7.5
ZIDUA PRO	6 fl oz/a B	305	9.1
ROUNDUP POWERMAX	22 fl oz/a B	406	7.9
CLASS ACT RIDION	1 % v/v B	504	7.9
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
	Mean =		8.1
			15.7
			22.8

Purdue Weed Science

FMC BURNDOWN STRATEGIES WITH XTENDIMAX SYSTEMS

Trial ID: 17S-MGS-Soy-05	Location: Meigs	Trial Year: 2017
Protocol ID: 17S-MGS-Soy-05	Investigator: Dr. Bill Johnson	
Project ID:	Study Director: Taylor Campbell	
	Sponsor Contact: Nick Hustedde	

Pest Type

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

Pest Code

ERICA, Erigeron canadensis, Canada horseweed = US

TARSS, Taraxacum sp., Dandelion = US

AMATA, Amaranthus tamariscinus, Common waterhemp = US

Crop Code

GLXMA, BSOY, Glycine max, Soybean = US

Part Rated

PLOT = plot

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 = $2.904 * [29] * (100 - [30]) / 86.7$

Purdue Weed Science

FMC BURNDOWN STRATEGIES WITH XTENDIMAX SYSTEMS

Trial ID: 17S-MGS-Soy-05 Location: Meigs Trial Year: 2017
 Protocol ID: 17S-MGS-Soy-05 Investigator: Dr. Bill Johnson
 Project ID: Study Director: Taylor Campbell
 Sponsor Contact: Nick Hustedde

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA	TARSS
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>	Dandelion
Crop Code				
Crop Name				
Part Rated				
Rating Date	5/1/2017	5/1/2017	5/8/2017	5/8/2017
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	14 14	14 14	21 21	21 21
Trt-Eval Interval	14 DA-A	14 DA-A	21 DA-A	21 DA-A
Days After Emergence	-20 DE-1	-20 DE-1	-13 DE-1	-13 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	1	2
1 UNTREATED			0 d	0 d
2 SHREDDER 2,4-D LV4	16 fl oz/a A		74 c	50 c
ROUNDUP POWERMAX	22 fl oz/a A			
MSO	1 % v/v A			
N-PAK	2.5 % v/v A			
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
3 TRICOR	6 oz/a A		88 b	84 ab
SHREDDER 2,4-D LV4	16 fl oz/a A			
ROUNDUP POWERMAX	22 fl oz/a A			
MSO	1 % v/v A			
N-PAK	2.5 % v/v A			
AUTHORITY XL	5 oz/a C			
GRAMOXONE SL	48 fl oz/a C			
COC	1 % v/v C			
N-PAK	2.5 % v/v C			
XTENDIMAX	22 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
 Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA	TARSS
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>	Dandelion
Crop Code				
Crop Name				
Part Rated				
Rating Date	5/1/2017	5/1/2017	5/8/2017	5/8/2017
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	14 14	14 14	21 21	21 21
Trt-Eval Interval	14 DA-A	14 DA-A	21 DA-A	21 DA-A
Days After Emergence	-20 DE-1	-20 DE-1	-13 DE-1	-13 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	1	2
4 ANTHEM MAXX	2.5 fl oz/a	A	75 c	71 bc
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
AUTHORITY XL	5 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
5 VERDICT	5 fl oz/a	A	99 a	98 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
ZIDUA	2 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
ENGENIA	12.8 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
6 AUTHORITY XL	5 oz/a	A	83 b	60 bc
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
XTENDIMAX	22 fl oz/a	E		
ROUNDUP POWERMAX	22 fl oz/a	E		
ANTHEM MAXX	3 fl oz/a	E		
CLASS ACT RIDION	1 % v/v	E		
7 XTENDIMAX	22 fl oz/a	B	0 d	0 d
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA	TARSS
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>	Dandelion
Crop Code				
Crop Name				
Part Rated				
Rating Date	5/1/2017	5/1/2017	5/8/2017	5/8/2017
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	14 14	14 14	21 21	21 21
Trt-Eval Interval	14 DA-A	14 DA-A	21 DA-A	21 DA-A
Days After Emergence	-20 DE-1	-20 DE-1	-13 DE-1	-13 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	1	2
8 AUTHORITY FIRST	5 oz/a	B	0 d	0 d
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
9 AUTHORITY XL	5 oz/a	B	0 d	0 d
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
10 AUTHORITY MTZ	14 oz/a	B	0 d	0 d
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
11 ANTHEM MAXX	3.25 fl oz/a	B	0 d	0 d
TRICOR	5 oz/a	B		
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
12 AUTHORITY XL	5 oz/a	B	0 d	0 d
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
ANTHEM MAXX	3 fl oz/a	F		
ROUNDUP POWERMAX	22 fl oz/a	F		
N-PAK	2.5 % v/v	F		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	TARSS	ERICA	TARSS
Pest Name	Canada horsewe>	Dandelion	Canada horsewe>	Dandelion
Crop Code				
Crop Name				
Part Rated				
Rating Date	5/1/2017	5/1/2017	5/8/2017	5/8/2017
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	14 14	14 14	21 21	21 21
Trt-Eval Interval	14 DA-A	14 DA-A	21 DA-A	21 DA-A
Days After Emergence	-20 DE-1	-20 DE-1	-13 DE-1	-13 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate Appl			
No. Name	Rate Unit Code	1	2	3
13 ENGENIA	12.8 fl oz/a B	0 d	0 d	0 d
ZIDUA PRO	6 fl oz/a B			
ROUNDUP POWERMAX	22 fl oz/a B			
CLASS ACT RIDION	1 % v/v B			
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
LSD P=.05	6.8	20.8	6.5	16.4
Standard Deviation	4.8	14.5	4.6	11.5
CV	14.79	52.0	13.11	36.46
Bartlett's X2	5.645	7.127	4.792	9.255
P(Bartlett's X2)	0.227	0.129	0.188	0.055
Skewness	0.5803	0.963*	0.5361	0.7403*
Kurtosis	-1.6061*	-0.7858	-1.7197*	-1.2752
Replicate F	1.846	1.894	0.400	1.584
Replicate Prob(F)	0.1563	0.1481	0.7538	0.2102
Treatment F	323.002	27.888	406.492	53.993
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		ERICA	TARSS	ERICA	AMATA
Pest Name		Canada horsewe>	Dandelion	Canada horsewe>	Common waterhe>
Crop Code					
Crop Name					
Part Rated					
Rating Date		5/16/2017	5/16/2017	5/25/2017	5/25/2017
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%
Number of Subsamples		1	1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		29 1	29 1	38 10	38 10
Trt-Eval Interval		1 DA-C	1 DA-C	13 DA-B	13 DA-B
Days After Emergence		-5 DE-1	-5 DE-1	4 DE-1	4 DE-1
ARM Action Codes		P	P	P	P
Number of Decimals		0	0	0	0
Trt Treatment	Rate Appl				
No. Name	Rate Unit Code	5	6	7	8
1 UNTREATED		0 d	0 e	0 d	0 d
2 SHREDDER 2,4-D LV4	16 fl oz/a A	98 a	93 c	100 a	100 a
ROUNDUP POWERMAX	22 fl oz/a A				
MSO	1 % v/v A				
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
3 TRICOR	6 oz/a A	98 a	98 ab	100 a	100 a
SHREDDER 2,4-D LV4	16 fl oz/a A				
ROUNDUP POWERMAX	22 fl oz/a A				
MSO	1 % v/v A				
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type Pest Code Pest Name	W Weed ERICA Canada horsewe>	W Weed TARSS Dandelion	W Weed ERICA Canada horsewe>	W Weed AMATA Common waterhe>		
Crop Code Crop Name Part Rated						
Rating Date	5/16/2017	5/16/2017	5/25/2017	5/25/2017		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%		
Number of Subsamples Assessed By	1 T. Campbell	1 T. Campbell	1 T. Campbell	1 T. Campbell		
Days After First/Last Applic.	29 1	29 1	38 10	38 10		
Trt-Eval Interval	1 DA-C	1 DA-C	13 DA-B	13 DA-B		
Days After Emergence	-5 DE-1	-5 DE-1	4 DE-1	4 DE-1		
ARM Action Codes	P	P	P	P		
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	5	6	7	8
4 ANTHEM MAXX	2.5 fl oz/a A		91 b	98 ab	100 a	100 a
SHREDDER 2,4-D LV4	16 fl oz/a A					
ROUNDUP POWERMAX	22 fl oz/a A					
MSO	1 % v/v A					
N-PAK	2.5 % v/v A					
AUTHORITY XL	5 oz/a C					
GRAMOXONE SL	48 fl oz/a C					
COC	1 % v/v C					
N-PAK	2.5 % v/v C					
XTENDIMAX	22 fl oz/a D					
ROUNDUP POWERMAX	22 fl oz/a D					
CLASS ACT RIDION	1 % v/v D					
5 VERDICT	5 fl oz/a A		100 a	100 a	100 a	100 a
SHREDDER 2,4-D LV4	16 fl oz/a A					
ROUNDUP POWERMAX	22 fl oz/a A					
MSO	1 % v/v A					
N-PAK	2.5 % v/v A					
ZIDUA	2 oz/a C					
GRAMOXONE SL	48 fl oz/a C					
COC	1 % v/v C					
N-PAK	2.5 % v/v C					
ENGENIA	12.8 fl oz/a D					
ROUNDUP POWERMAX	22 fl oz/a D					
CLASS ACT RIDION	1 % v/v D					
6 AUTHORITY XL	5 oz/a A		90 b	96 b	88 ab	94 ab
SHREDDER 2,4-D LV4	16 fl oz/a A					
ROUNDUP POWERMAX	22 fl oz/a A					
MSO	1 % v/v A					
N-PAK	2.5 % v/v A					
XTENDIMAX	22 fl oz/a E					
ROUNDUP POWERMAX	22 fl oz/a E					
ANTHEM MAXX	3 fl oz/a E					
CLASS ACT RIDION	1 % v/v E					
7 XTENDIMAX	22 fl oz/a B		10 c	10 d	50 c	78 c
ROUNDUP POWERMAX	22 fl oz/a B					
CLASS ACT RIDION	1 % v/v B					
XTENDIMAX	22 fl oz/a D					
ROUNDUP POWERMAX	22 fl oz/a D					
CLASS ACT RIDION	1 % v/v D					

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type Pest Code Pest Name	W Weed ERICA Canada horsewe>	W Weed TARSS Dandelion	W Weed ERICA Canada horsewe>	W Weed AMATA Common waterhe>		
Crop Code Crop Name Part Rated						
Rating Date	5/16/2017	5/16/2017	5/25/2017	5/25/2017		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%		
Number of Subsamples Assessed By	1 T. Campbell	1 T. Campbell	1 T. Campbell	1 T. Campbell		
Days After First/Last Applic.	29 1	29 1	38 10	38 10		
Trt-Eval Interval	1 DA-C	1 DA-C	13 DA-B	13 DA-B		
Days After Emergence	-5 DE-1	-5 DE-1	4 DE-1	4 DE-1		
ARM Action Codes	P	P	P	P		
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	5	6	7	8
8 AUTHORITY FIRST XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION	5 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 22 fl oz/a D 22 fl oz/a D 1 % v/v D	B B B B D D D	10 c	10 d	59 c	86 bc
9 AUTHORITY XL XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION	5 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 22 fl oz/a D 22 fl oz/a D 1 % v/v D	B B B B D D D	10 c	10 d	53 c	81 bc
10 AUTHORITY MTZ XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION	14 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 22 fl oz/a D 22 fl oz/a D 1 % v/v D	B B B B D D D	10 c	10 d	45 c	83 bc
11 ANTHEM MAXX TRICOR XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION	3.25 fl oz/a B 5 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 22 fl oz/a D 22 fl oz/a D 1 % v/v D	B B B B B D D D	10 c	10 d	43 c	86 bc
12 AUTHORITY XL XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION ANTHEM MAXX ROUNDUP POWERMAX N-PAK	5 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 3 fl oz/a F 22 fl oz/a F 2.5 % v/v F	B B B B F F F	10 c	10 d	50 c	83 bc

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Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		ERICA	TARSS	ERICA	AMATA
Pest Name		Canada horsewe>	Dandelion	Canada horsewe>	Common waterhe>
Crop Code					
Crop Name					
Part Rated					
Rating Date		5/16/2017	5/16/2017	5/25/2017	5/25/2017
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%
Number of Subsamples		1	1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		29 1	29 1	38 10	38 10
Trt-Eval Interval		1 DA-C	1 DA-C	13 DA-B	13 DA-B
Days After Emergence		-5 DE-1	-5 DE-1	4 DE-1	4 DE-1
ARM Action Codes		P	P	P	P
Number of Decimals		0	0	0	0
Trt Treatment	Rate Appl				
No. Name	Rate Unit Code	5	6	7	8
13 ENGENIA	12.8 fl oz/a B	10 c	10 d	80 b	89 abc
ZIDUA PRO	6 fl oz/a B				
ROUNDUP POWERMAX	22 fl oz/a B				
CLASS ACT RIDION	1 % v/v B				
ENGENIA	12.8 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
LSD P=.05		4.8	2.6	12.4	8.3
Standard Deviation		3.4	1.8	8.7	5.8
CV		7.99	4.27	12.98	6.99
Bartlett's X2		3.824	1.862	14.667	23.408
P(Bartlett's X2)		0.281	0.601	0.023*	0.005*
Skewness		0.4992	0.4849	-0.5501	-2.5806*
Kurtosis		-1.7716*	-1.8051*	-0.6357	6.2274*
Replicate F		0.384	2.468	5.776	0.155
Replicate Prob(F)		0.7652	0.0777	0.0025	0.9259
Treatment F		685.692	2409.968	50.741	81.528
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		W Weed	W Weed	W Weed
Pest Code		ERICA	AMATA	ERICA
Pest Name		Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code				
Crop Name				
Part Rated				
Rating Date		5/30/2017	5/30/2017	6/9/2017
Rating Type		CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		43 15	43 15	53 25
Trt-Eval Interval				
Days After Emergence		9 DE-1	9 DE-1	19 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code		
			9	10
1 UNTREATED			0 e	0 b
2 SHREDDER 2,4-D LV4	16 fl oz/a	A	100 a	100 a
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
AUTHORITY XL	5 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
3 TRICOR	6 oz/a	A	100 a	100 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
AUTHORITY XL	5 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	ERICA
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/30/2017	5/30/2017	6/9/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	43 15	43 15	53 25
Trt-Eval Interval			
Days After Emergence	9 DE-1	9 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate Appl	Rate Appl	Rate Appl
No. Name	Rate Unit Code	Rate Unit Code	Rate Unit Code
	9	10	11
4 ANTHEM MAXX	2.5 fl oz/a A	100 a	99 a
SHREDDER 2,4-D LV4	16 fl oz/a A		
ROUNDUP POWERMAX	22 fl oz/a A		
MSO	1 % v/v A		
N-PAK	2.5 % v/v A		
AUTHORITY XL	5 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
5 VERDICT	5 fl oz/a A	99 a	100 a
SHREDDER 2,4-D LV4	16 fl oz/a A		
ROUNDUP POWERMAX	22 fl oz/a A		
MSO	1 % v/v A		
N-PAK	2.5 % v/v A		
ZIDUA	2 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
6 AUTHORITY XL	5 oz/a A	95 a	86 abc
SHREDDER 2,4-D LV4	16 fl oz/a A		
ROUNDUP POWERMAX	22 fl oz/a A		
MSO	1 % v/v A		
N-PAK	2.5 % v/v A		
XTENDIMAX	22 fl oz/a E		
ROUNDUP POWERMAX	22 fl oz/a E		
ANTHEM MAXX	3 fl oz/a E		
CLASS ACT RIDION	1 % v/v E		
7 XTENDIMAX	22 fl oz/a B	96 a	80 bcd
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	ERICA
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/30/2017	5/30/2017	6/9/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	43 15	43 15	53 25
Trt-Eval Interval			
Days After Emergence	9 DE-1	9 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			9
8 AUTHORITY FIRST	5 oz/a B		73 cd
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
9 AUTHORITY XL	5 oz/a B		73 cd
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
10 AUTHORITY MTZ	14 oz/a B		64 d
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
11 ANTHEM MAXX	3.25 fl oz/a B		63 d
TRICOR	5 oz/a B		
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
12 AUTHORITY XL	5 oz/a B		65 d
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
			10
			11
			100 a
			88 abc
			100 a
			83 bcd
			100 a
			65 e
			100 a
			71 de
			100 a
			76 cde

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	ERICA
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	5/30/2017	5/30/2017	6/9/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	43 15	43 15	53 25
Trt-Eval Interval			
Days After Emergence	9 DE-1	9 DE-1	19 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate Appl		
No. Name	Rate Unit Code		
	9	10	11
13 ENGENIA	12.8 fl oz/a B	80 bc	94 ab
ZIDUA PRO	6 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B	95 a	
CLASS ACT RIDION	1 % v/v B		
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
LSD P=.05	9.6	5.1	10.4
Standard Deviation	6.7	3.6	7.2
CV	8.99	3.92	9.06
Bartlett's X2	13.316	5.062	14.643
P(Bartlett's X2)	0.101	0.167	0.101
Skewness	-1.5507*	-3.1735*	-2.0953*
Kurtosis	2.4893*	8.6019*	4.1812*
Replicate F	1.261	0.701	1.099
Replicate Prob(F)	0.3023	0.5574	0.3620
Treatment F	64.183	235.747	54.044
Treatment Prob(F)	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		W Weed		W Weed	
Pest Code		AMATA		ERICA	
Pest Name		Common waterhe>		Canada horsewe>	Common waterhe>
Crop Code			GLXMA		
Crop Name			Soybean		
Part Rated					
Rating Date		6/9/2017	6/9/2017	6/12/2017	6/12/2017
Rating Type		CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit		%	%	%	%
Number of Subsamples		1	1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		53 25	53 25	56 28	56 28
Trt-Eval Interval					
Days After Emergence		19 DE-1	19 DE-1	22 DE-1	22 DE-1
ARM Action Codes		P	P	P	P
Number of Decimals		0	0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code	12	13	14
1 UNTREATED			0 d	0 a	0 d
2 SHREDDER 2,4-D LV4	16 fl oz/a	A	90 ab	0 a	98 a
ROUNDUP POWERMAX	22 fl oz/a	A			
MSO	1 % v/v	A			
N-PAK	2.5 % v/v	A			
AUTHORITY XL	5 oz/a	C			
GRAMOXONE SL	48 fl oz/a	C			
COC	1 % v/v	C			
N-PAK	2.5 % v/v	C			
XTENDIMAX	22 fl oz/a	D			
ROUNDUP POWERMAX	22 fl oz/a	D			
CLASS ACT RIDION	1 % v/v	D			
3 TRICOR	6 oz/a	A	96 a	0 a	99 a
SHREDDER 2,4-D LV4	16 fl oz/a	A			
ROUNDUP POWERMAX	22 fl oz/a	A			
MSO	1 % v/v	A			
N-PAK	2.5 % v/v	A			
AUTHORITY XL	5 oz/a	C			
GRAMOXONE SL	48 fl oz/a	C			
COC	1 % v/v	C			
N-PAK	2.5 % v/v	C			
XTENDIMAX	22 fl oz/a	D			
ROUNDUP POWERMAX	22 fl oz/a	D			
CLASS ACT RIDION	1 % v/v	D			

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed		W Weed	W Weed
Pest Code	AMATA		ERICA	AMATA
Pest Name	Common waterhe>		Canada horsewe>	Common waterhe>
Crop Code				
Crop Name		GLXMA		
Part Rated		Soybean		
Rating Date	6/9/2017	6/9/2017	6/12/2017	6/12/2017
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	53 25	53 25	56 28	56 28
Trt-Eval Interval				
Days After Emergence	19 DE-1	19 DE-1	22 DE-1	22 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	12	13
			14	15
4 ANTHEM MAXX	2.5 fl oz/a	A	98 a	0 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		98 a
ROUNDUP POWERMAX	22 fl oz/a	A		95 a
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
AUTHORITY XL	5 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
5 VERDICT	5 fl oz/a	A	96 a	0 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		100 a
ROUNDUP POWERMAX	22 fl oz/a	A		97 a
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
ZIDUA	2 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
ENGENIA	12.8 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
6 AUTHORITY XL	5 oz/a	A	70 c	0 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		84 bc
ROUNDUP POWERMAX	22 fl oz/a	A		68 b
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
XTENDIMAX	22 fl oz/a	E		
ROUNDUP POWERMAX	22 fl oz/a	E		
ANTHEM MAXX	3 fl oz/a	E		
CLASS ACT RIDION	1 % v/v	E		
7 XTENDIMAX	22 fl oz/a	B	68 c	0 a
ROUNDUP POWERMAX	22 fl oz/a	B		88 ab
CLASS ACT RIDION	1 % v/v	B		69 b
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type Pest Code Pest Name	W Weed AMATA Common waterhe>		W Weed ERICA Canada horsewe>	W Weed AMATA Common waterhe>		
Crop Code Crop Name Part Rated			GLXMA Soybean			
Rating Date	6/9/2017	6/9/2017	6/12/2017	6/12/2017		
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO		
Rating Unit	%	%	%	%		
Number of Subsamples Assessed By	1 T. Campbell	1 T. Campbell	1 T. Campbell	1 T. Campbell		
Days After First/Last Applic. Trt-Eval Interval	53 25	53 25	56 28	56 28		
Days After Emergence	19 DE-1	19 DE-1	22 DE-1	22 DE-1		
ARM Action Codes	P	P	P	P		
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	12	13	14	15
8 AUTHORITY FIRST XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION	5 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 22 fl oz/a D 22 fl oz/a D 1 % v/v D	B B B B D D D	96 a	0 a	90 ab	92 a
9 AUTHORITY XL XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION	5 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 22 fl oz/a D 22 fl oz/a D 1 % v/v D	B B B B D D D	93 ab	0 a	88 ab	90 a
10 AUTHORITY MTZ XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION	14 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 22 fl oz/a D 22 fl oz/a D 1 % v/v D	B B B B D D D	90 ab	0 a	74 c	91 a
11 ANTHEM MAXX TRICOR XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION	3.25 fl oz/a B 5 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 22 fl oz/a D 22 fl oz/a D 1 % v/v D	B B B B B D D D	90 ab	0 a	79 bc	86 a
12 AUTHORITY XL XTENDIMAX ROUNDUP POWERMAX CLASS ACT RIDION ANTHEM MAXX ROUNDUP POWERMAX N-PAK	5 oz/a B 22 fl oz/a B 22 fl oz/a B 1 % v/v B 3 fl oz/a F 22 fl oz/a F 2.5 % v/v F	B B B B F F F	90 ab	0 a	84 bc	90 a

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
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Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed		W Weed	W Weed
Pest Code	AMATA		ERICA	AMATA
Pest Name	Common waterhe>		Canada horsewe>	Common waterhe>
Crop Code		GLXMA		
Crop Name		Soybean		
Part Rated				
Rating Date	6/9/2017	6/9/2017	6/12/2017	6/12/2017
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	53 25	53 25	56 28	56 28
Trt-Eval Interval				
Days After Emergence	19 DE-1	19 DE-1	22 DE-1	22 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate Appl			
No. Name	Rate Unit Code	12	13	14
13 ENGENIA	12.8 fl oz/a B	79 bc	0 a	98 a
ZIDUA PRO	6 fl oz/a B			80 ab
ROUNDUP POWERMAX	22 fl oz/a B			
CLASS ACT RIDION	1 % v/v B			
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
LSD P=.05	10.7	.	8.6	10.6
Standard Deviation	7.5	0.0	6.0	7.4
CV	9.2	0.0	7.21	9.26
Bartlett's X2	12.861	0.0	18.981	13.646
P(Bartlett's X2)	0.303	.	0.041*	0.253
Skewness	-2.2988*	.	-2.5467*	-2.3441*
Kurtosis	4.8531*	.	5.997*	5.0457*
Replicate F	1.386	0.000	0.695	1.820
Replicate Prob(F)	0.2628	1.0000	0.5613	0.1609
Treatment F	49.681	0.000	77.196	48.180
Treatment Prob(F)	0.0001	1.0000	0.0001	0.0001

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type			W Weed ERICA	W Weed AMATA	W Weed AMATA
Pest Code			Canada horsewe>	Common waterhe>	Common waterhe>
Pest Name					
Crop Code	GLXMA				
Crop Name	Soybean				
Part Rated					
Rating Date	6/12/2017		6/26/2017	6/26/2017	7/3/2017
Rating Type	PHYGEN		CONTRO	CONTRO	CONTRO
Rating Unit	%		%	%	%
Number of Subsamples	1		1	1	1
Assessed By	T. Campbell		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	56 28		70 2	70 2	77 9
Trt-Eval Interval					
Days After Emergence	22 DE-1		36 DE-1	36 DE-1	43 DE-1
ARM Action Codes	P		P	P	P
Number of Decimals	0		0	0	0
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code	16	17	18
1 UNTREATED			0 a	0 c	0 d
2 SHREDDER 2,4-D LV4	16 fl oz/a	A	0 a	95 a	100 a
ROUNDUP POWERMAX	22 fl oz/a	A			
MSO	1 % v/v	A			
N-PAK	2.5 % v/v	A			
AUTHORITY XL	5 oz/a	C			
GRAMOXONE SL	48 fl oz/a	C			
COC	1 % v/v	C			
N-PAK	2.5 % v/v	C			
XTENDIMAX	22 fl oz/a	D			
ROUNDUP POWERMAX	22 fl oz/a	D			
CLASS ACT RIDION	1 % v/v	D			
3 TRICOR	6 oz/a	A	0 a	99 a	100 a
SHREDDER 2,4-D LV4	16 fl oz/a	A			
ROUNDUP POWERMAX	22 fl oz/a	A			
MSO	1 % v/v	A			
N-PAK	2.5 % v/v	A			
AUTHORITY XL	5 oz/a	C			
GRAMOXONE SL	48 fl oz/a	C			
COC	1 % v/v	C			
N-PAK	2.5 % v/v	C			
XTENDIMAX	22 fl oz/a	D			
ROUNDUP POWERMAX	22 fl oz/a	D			
CLASS ACT RIDION	1 % v/v	D			

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		W Weed ERICA	W Weed AMATA	W Weed AMATA
Pest Code		Canada horsewe>	Common waterhe>	Common waterhe>
Pest Name				
Crop Code	GLXMA			
Crop Name	Soybean			
Part Rated				
Rating Date	6/12/2017	6/26/2017	6/26/2017	7/3/2017
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	56 28	70 2	70 2	77 9
Trt-Eval Interval				
Days After Emergence	22 DE-1	36 DE-1	36 DE-1	43 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	16	17
4 ANTHEM MAXX	2.5 fl oz/a	A	0 a	98 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
AUTHORITY XL	5 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
5 VERDICT	5 fl oz/a	A	0 a	98 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
ZIDUA	2 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
ENGENIA	12.8 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
6 AUTHORITY XL	5 oz/a	A	0 a	74 b
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
XTENDIMAX	22 fl oz/a	E		
ROUNDUP POWERMAX	22 fl oz/a	E		
ANTHEM MAXX	3 fl oz/a	E		
CLASS ACT RIDION	1 % v/v	E		
7 XTENDIMAX	22 fl oz/a	B	0 a	74 b
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
				91 ab
				69 d

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Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		W Weed	W Weed	W Weed
Pest Code		ERICA	AMATA	AMATA
Pest Name		Canada horsewe>	Common waterhe>	Common waterhe>
Crop Code	GLXMA			
Crop Name	Soybean			
Part Rated				
Rating Date	6/12/2017	6/26/2017	6/26/2017	7/3/2017
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples Assessed By	1 T. Campbell	1 T. Campbell	1 T. Campbell	1 T. Campbell
Days After First/Last Applic.	56 28	70 2	70 2	77 9
Trt-Eval Interval				
Days After Emergence	22 DE-1	36 DE-1	36 DE-1	43 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	16	17
8 AUTHORITY FIRST	5 oz/a	B	0 a	93 a
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
9 AUTHORITY XL	5 oz/a	B	0 a	93 a
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
10 AUTHORITY MTZ	14 oz/a	B	0 a	84 ab
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
11 ANTHEM MAXX	3.25 fl oz/a	B	0 a	90 ab
TRICOR	5 oz/a	B		
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
12 AUTHORITY XL	5 oz/a	B	0 a	86 ab
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
ANTHEM MAXX	3 fl oz/a	F		
ROUNDUP POWERMAX	22 fl oz/a	F		
N-PAK	2.5 % v/v	F		
				90 a

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		W Weed ERICA	W Weed AMATA	W Weed AMATA
Pest Code		Canada horsewe>	Common waterhe>	Common waterhe>
Pest Name				
Crop Code	GLXMA			
Crop Name	Soybean			
Part Rated				
Rating Date	6/12/2017	6/26/2017	6/26/2017	7/3/2017
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples Assessed By	1 T. Campbell	1 T. Campbell	1 T. Campbell	1 T. Campbell
Days After First/Last Applic.	56 28	70 2	70 2	77 9
Trt-Eval Interval				
Days After Emergence	22 DE-1	36 DE-1	36 DE-1	43 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate Appl			
No. Name	Rate Unit Code	16	17	18
13 ENGENIA	12.8 fl oz/a B	0 a	83 ab	100 a
ZIDUA PRO	6 fl oz/a B			70 cd
ROUNDUP POWERMAX	22 fl oz/a B			
CLASS ACT RIDION	1 % v/v B			
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
LSD P=.05	.	11.6	9.0	10.4
Standard Deviation	0.0	8.1	6.3	7.2
CV	0.0	9.88	7.33	9.48
Bartlett's X2	0.0	27.713	37.518	14.495
P(Bartlett's X2)	.	0.004*	0.001*	0.207
Skewness	.	-2.3478*	-2.6257*	-2.1629*
Kurtosis	.	5.0211*	6.1492*	4.4932*
Replicate F	0.000	2.664	1.187	3.222
Replicate Prob(F)	1.0000	0.0630	0.3287	0.0343
Treatment F	0.000	41.372	73.158	46.864
Treatment Prob(F)	1.0000	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		W Weed	W Weed	W Weed
Pest Code		ERICA	AMATA	ERICA
Pest Name		Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code				
Crop Name				
Part Rated				
Rating Date		7/3/2017	7/9/2017	7/9/2017
Rating Type		CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		77 9	83 15	83 15
Trt-Eval Interval				
Days After Emergence		43 DE-1	49 DE-1	49 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	20	21
1 UNTREATED			0 d	0 d
2 SHREDDER 2,4-D LV4	16 fl oz/a	A	100 a	88 a
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
AUTHORITY XL	5 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
3 TRICOR	6 oz/a	A	100 a	93 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
AUTHORITY XL	5 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	ERICA
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/3/2017	7/9/2017	7/9/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	77 9	83 15	83 15
Trt-Eval Interval			
Days After Emergence	43 DE-1	49 DE-1	49 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			20
4 ANTHEM MAXX	2.5 fl oz/a	A	99 a
SHREDDER 2,4-D LV4	16 fl oz/a	A	
ROUNDUP POWERMAX	22 fl oz/a	A	
MSO	1 % v/v	A	
N-PAK	2.5 % v/v	A	
AUTHORITY XL	5 oz/a	C	
GRAMOXONE SL	48 fl oz/a	C	
COC	1 % v/v	C	
N-PAK	2.5 % v/v	C	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
5 VERDICT	5 fl oz/a	A	100 a
SHREDDER 2,4-D LV4	16 fl oz/a	A	
ROUNDUP POWERMAX	22 fl oz/a	A	
MSO	1 % v/v	A	
N-PAK	2.5 % v/v	A	
ZIDUA	2 oz/a	C	
GRAMOXONE SL	48 fl oz/a	C	
COC	1 % v/v	C	
N-PAK	2.5 % v/v	C	
ENGENIA	12.8 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
6 AUTHORITY XL	5 oz/a	A	76 c
SHREDDER 2,4-D LV4	16 fl oz/a	A	
ROUNDUP POWERMAX	22 fl oz/a	A	
MSO	1 % v/v	A	
N-PAK	2.5 % v/v	A	
XTENDIMAX	22 fl oz/a	E	
ROUNDUP POWERMAX	22 fl oz/a	E	
ANTHEM MAXX	3 fl oz/a	E	
CLASS ACT RIDION	1 % v/v	E	
7 XTENDIMAX	22 fl oz/a	B	95 ab
ROUNDUP POWERMAX	22 fl oz/a	B	
CLASS ACT RIDION	1 % v/v	B	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
			21
			22
			88 a
			99 a
			78 ab
			86 a
			68 bc

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	ERICA
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/3/2017	7/9/2017	7/9/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	77 9	83 15	83 15
Trt-Eval Interval			
Days After Emergence	43 DE-1	49 DE-1	49 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			20
8 AUTHORITY FIRST	5 oz/a B		98 a
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
9 AUTHORITY XL	5 oz/a B		95 ab
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
10 AUTHORITY MTZ	14 oz/a B		86 b
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
11 ANTHEM MAXX	3.25 fl oz/a B		90 ab
TRICOR	5 oz/a B		
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
12 AUTHORITY XL	5 oz/a B		89 ab
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		
			21
			22
			100 a
			88 a
			97 a
			69 bc
			94 a
			89 a

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
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Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	AMATA	ERICA
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/3/2017	7/9/2017	7/9/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	77 9	83 15	83 15
Trt-Eval Interval			
Days After Emergence	43 DE-1	49 DE-1	49 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate Appl		
No. Name	Rate Unit Code		
		20	21
			22
13 ENGENIA	12.8 fl oz/a B	100 a	100 a
ZIDUA PRO	6 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
LSD P=.05	7.3	10.2	7.7
Standard Deviation	5.1	7.1	5.4
CV	5.87	9.71	6.07
Bartlett's X2	16.984	17.015	24.635
P(Bartlett's X2)	0.017*	0.107	0.001*
Skewness	-2.7473*	-1.9966*	-2.8368*
Kurtosis	6.6233*	3.8242*	6.979*
Replicate F	2.789	3.500	0.919
Replicate Prob(F)	0.0549	0.0255	0.4415
Treatment F	112.548	46.924	103.310
Treatment Prob(F)	0.0001	0.0001	0.0001

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/17/2017	7/17/2017	7/24/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	91 23	91 23	98 30
Trt-Eval Interval			
Days After Emergence	57 DE-1	57 DE-1	64 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			23
			24
			25
1 UNTREATED			0 f
2 SHREDDER 2,4-D LV4	16 fl oz/a	A	83 abc
ROUNDUP POWERMAX	22 fl oz/a	A	
MSO	1 % v/v	A	
N-PAK	2.5 % v/v	A	
AUTHORITY XL	5 oz/a	C	
GRAMOXONE SL	48 fl oz/a	C	
COC	1 % v/v	C	
N-PAK	2.5 % v/v	C	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
3 TRICOR	6 oz/a	A	89 ab
SHREDDER 2,4-D LV4	16 fl oz/a	A	
ROUNDUP POWERMAX	22 fl oz/a	A	
MSO	1 % v/v	A	
N-PAK	2.5 % v/v	A	
AUTHORITY XL	5 oz/a	C	
GRAMOXONE SL	48 fl oz/a	C	
COC	1 % v/v	C	
N-PAK	2.5 % v/v	C	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed		
Pest Code	AMATA	ERICA	AMATA		
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>		
Crop Code					
Crop Name					
Part Rated					
Rating Date	7/17/2017	7/17/2017	7/24/2017		
Rating Type	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%		
Number of Subsamples	1	1	1		
Assessed By	T. Campbell	T. Campbell	T. Campbell		
Days After First/Last Applic.	91 23	91 23	98 30		
Trt-Eval Interval					
Days After Emergence	57 DE-1	57 DE-1	64 DE-1		
ARM Action Codes	P	P	P		
Number of Decimals	0	0	0		
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code			
			23		
			24		
			25		
4 ANTHEM MAXX	2.5 fl oz/a A		86 ab	100 a	86 ab
SHREDDER 2,4-D LV4	16 fl oz/a A				
ROUNDUP POWERMAX	22 fl oz/a A				
MSO	1 % v/v A				
N-PAK	2.5 % v/v A				
AUTHORITY XL	5 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
5 VERDICT	5 fl oz/a A		71 cde	100 a	71 cde
SHREDDER 2,4-D LV4	16 fl oz/a A				
ROUNDUP POWERMAX	22 fl oz/a A				
MSO	1 % v/v A				
N-PAK	2.5 % v/v A				
ZIDUA	2 oz/a C				
GRAMOXONE SL	48 fl oz/a C				
COC	1 % v/v C				
N-PAK	2.5 % v/v C				
ENGENIA	12.8 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				
6 AUTHORITY XL	5 oz/a A		91 a	89 b	91 a
SHREDDER 2,4-D LV4	16 fl oz/a A				
ROUNDUP POWERMAX	22 fl oz/a A				
MSO	1 % v/v A				
N-PAK	2.5 % v/v A				
XTENDIMAX	22 fl oz/a E				
ROUNDUP POWERMAX	22 fl oz/a E				
ANTHEM MAXX	3 fl oz/a E				
CLASS ACT RIDION	1 % v/v E				
7 XTENDIMAX	22 fl oz/a B		63 de	99 a	63 de
ROUNDUP POWERMAX	22 fl oz/a B				
CLASS ACT RIDION	1 % v/v B				
XTENDIMAX	22 fl oz/a D				
ROUNDUP POWERMAX	22 fl oz/a D				
CLASS ACT RIDION	1 % v/v D				

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/17/2017	7/17/2017	7/24/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	91 23	91 23	98 30
Trt-Eval Interval			
Days After Emergence	57 DE-1	57 DE-1	64 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			23
			24
			25
8 AUTHORITY FIRST	5 oz/a B		84 abc
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
9 AUTHORITY XL	5 oz/a B		75 bcd
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
10 AUTHORITY MTZ	14 oz/a B		66 de
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
11 ANTHEM MAXX	3.25 fl oz/a B		59 e
TRICOR	5 oz/a B		
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
12 AUTHORITY XL	5 oz/a B		89 ab
XTENDIMAX	22 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
ANTHEM MAXX	3 fl oz/a F		
ROUNDUP POWERMAX	22 fl oz/a F		
N-PAK	2.5 % v/v F		

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	ERICA	AMATA
Pest Name	Common waterhe>	Canada horsewe>	Common waterhe>
Crop Code			
Crop Name			
Part Rated			
Rating Date	7/17/2017	7/17/2017	7/24/2017
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	91 23	91 23	98 30
Trt-Eval Interval			
Days After Emergence	57 DE-1	57 DE-1	64 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate Appl		
No. Name	Rate Unit Code		
		23	24
			25
13 ENGENIA	12.8 fl oz/a B	65 de	100 a
ZIDUA PRO	6 fl oz/a B		
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
LSD P=.05	10.2	5.2	10.2
Standard Deviation	7.1	3.6	7.1
CV	10.07	4.0	10.07
Bartlett's X2	22.784	17.119	22.784
P(Bartlett's X2)	0.019*	0.009*	0.019*
Skewness	-1.8674*	-3.0868*	-1.8674*
Kurtosis	3.3104*	8.1514*	3.3104*
Replicate F	3.359	0.280	3.359
Replicate Prob(F)	0.0296	0.8397	0.0296
Treatment F	45.414	229.220	45.414
Treatment Prob(F)	0.0001	0.0001	0.0001

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Trt No.	Treatment Name	Rate	Unit	Appl Code	26	27	28	29
1	UNTREATED				0 c	0 e	0 c	2.0 b
2	SHREDDER 2,4-D LV4	16 fl oz/a	A		100 a	82 ab	100 a	7.5 a
	ROUNDUP POWERMAX	22 fl oz/a	A					
	M50	1 % v/v	A					
	N-PAK	2.5 % v/v	A					
	AUTHORITY XL	5 oz/a	C					
	GRAMOXONE SL	48 fl oz/a	C					
	COC	1 % v/v	C					
	N-PAK	2.5 % v/v	C					
	XTENDIMAX	22 fl oz/a	D					
	ROUNDUP POWERMAX	22 fl oz/a	D					
	CLASS ACT RIDION	1 % v/v	D					
3	TRICOR	6 oz/a	A		100 a	86 ab	100 a	7.3 a
	SHREDDER 2,4-D LV4	16 fl oz/a	A					
	ROUNDUP POWERMAX	22 fl oz/a	A					
	M50	1 % v/v	A					
	N-PAK	2.5 % v/v	A					
	AUTHORITY XL	5 oz/a	C					
	GRAMOXONE SL	48 fl oz/a	C					
	COC	1 % v/v	C					
	N-PAK	2.5 % v/v	C					
	XTENDIMAX	22 fl oz/a	D					
	ROUNDUP POWERMAX	22 fl oz/a	D					
	CLASS ACT RIDION	1 % v/v	D					

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed	
Pest Code	ERICA	AMATA	ERICA	
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>	
Crop Code				GLXMA
Crop Name				Soybean
Part Rated				PLOT C
Rating Date	7/24/2017	8/14/2017	8/14/2017	10/18/2017
Rating Type	CONTRO	CONTRO	CONTRO	YIELD
Rating Unit	%	%	%	lb/plot
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	98 30	119 51	119 51	184 116
Trt-Eval Interval				
Days After Emergence	64 DE-1	85 DE-1	85 DE-1	150 DE-1
ARM Action Codes	P	P	P	
Number of Decimals	0	0	0	1
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	26	27
4 ANTHEM MAXX	2.5 fl oz/a	A	100 a	85 ab
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
AUTHORITY XL	5 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
5 VERDICT	5 fl oz/a	A	100 a	73 bcd
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
ZIDUA	2 oz/a	C		
GRAMOXONE SL	48 fl oz/a	C		
COC	1 % v/v	C		
N-PAK	2.5 % v/v	C		
ENGENIA	12.8 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
6 AUTHORITY XL	5 oz/a	A	89 b	90 a
SHREDDER 2,4-D LV4	16 fl oz/a	A		
ROUNDUP POWERMAX	22 fl oz/a	A		
MSO	1 % v/v	A		
N-PAK	2.5 % v/v	A		
XTENDIMAX	22 fl oz/a	E		
ROUNDUP POWERMAX	22 fl oz/a	E		
ANTHEM MAXX	3 fl oz/a	E		
CLASS ACT RIDION	1 % v/v	E		
7 XTENDIMAX	22 fl oz/a	B	99 a	59 d
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		

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Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed	
Pest Code	ERICA	AMATA	ERICA	
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>	
Crop Code				GLXMA
Crop Name				Soybean
Part Rated				PLOT C
Rating Date	7/24/2017	8/14/2017	8/14/2017	10/18/2017
Rating Type	CONTRO	CONTRO	CONTRO	YIELD
Rating Unit	%	%	%	lb/plot
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	98 30	119 51	119 51	184 116
Trt-Eval Interval				
Days After Emergence	64 DE-1	85 DE-1	85 DE-1	150 DE-1
ARM Action Codes	P	P	P	
Number of Decimals	0	0	0	1
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	26	27
8 AUTHORITY FIRST	5 oz/a	B	100 a	80 abc
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
9 AUTHORITY XL	5 oz/a	B	99 a	74 a-d
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
10 AUTHORITY MTZ	14 oz/a	B	96 a	66 cd
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
11 ANTHEM MAXX	3.25 fl oz/a	B	96 a	59 d
TRICOR	5 oz/a	B		
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
XTENDIMAX	22 fl oz/a	D		
ROUNDUP POWERMAX	22 fl oz/a	D		
CLASS ACT RIDION	1 % v/v	D		
12 AUTHORITY XL	5 oz/a	B	94 ab	90 a
XTENDIMAX	22 fl oz/a	B		
ROUNDUP POWERMAX	22 fl oz/a	B		
CLASS ACT RIDION	1 % v/v	B		
ANTHEM MAXX	3 fl oz/a	F		
ROUNDUP POWERMAX	22 fl oz/a	F		
N-PAK	2.5 % v/v	F		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
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Missing data estimates are included in columns: Yates=17,18,19,20,21,22,23,24,25,26,27,28,29,30,31
Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type	W Weed	W Weed	W Weed	
Pest Code	ERICA	AMATA	ERICA	
Pest Name	Canada horsewe>	Common waterhe>	Canada horsewe>	
Crop Code				GLXMA
Crop Name				Soybean
Part Rated				PLOT C
Rating Date	7/24/2017	8/14/2017	8/14/2017	10/18/2017
Rating Type	CONTRO	CONTRO	CONTRO	YIELD
Rating Unit	%	%	%	lb/plot
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	98 30	119 51	119 51	184 116
Trt-Eval Interval				
Days After Emergence	64 DE-1	85 DE-1	85 DE-1	150 DE-1
ARM Action Codes	P	P	P	
Number of Decimals	0	0	0	1
Trt Treatment	Rate Appl			
No. Name	Rate Unit Code	26	27	28
13 ENGENIA	12.8 fl oz/a B	100 a	63 d	100 a
ZIDUA PRO	6 fl oz/a B			8.1 a
ROUNDUP POWERMAX	22 fl oz/a B			
CLASS ACT RIDION	1 % v/v B			
ENGENIA	12.8 fl oz/a D			
ROUNDUP POWERMAX	22 fl oz/a D			
CLASS ACT RIDION	1 % v/v D			
LSD P=.05	5.2	10.7	3.8	2.15
Standard Deviation	3.6	7.4	2.7	1.49
CV	4.0	10.67	2.94	20.19
Bartlett's X2	17.119	11.91	4.946	18.731
P(Bartlett's X2)	0.009*	0.291	0.423	0.095
Skewness	-3.0868*	-1.8118*	-3.1508*	-0.4925
Kurtosis	8.1514*	3.1296*	8.4458*	1.778*
Replicate F	0.280	2.879	0.096	5.241
Replicate Prob(F)	0.8397	0.0497	0.9619	0.0043
Treatment F	229.220	40.843	421.318	5.618
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type			
Pest Code			
Pest Name			
Crop Code	GLXMA	GLXMA	
Crop Name	Soybean	Soybean	
Part Rated	PLOT C	PLOT C	
Rating Date	10/18/2017	10/18/2017	
Rating Type	MOICON	YIELD	
Rating Unit	%	BU	
Number of Subsamples	1	1	
Assessed By	T. Campbell	T. Campbell	
Days After First/Last Applic.	184 116	184 116	
Trt-Eval Interval			
Days After Emergence	150 DE-1	150 DE-1	
ARM Action Codes		TY1	
Number of Decimals	1	1	
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			30 31
1 UNTREATED			15.7 a 5.6 b
2 SHREDDER 2,4-D LV4	16 fl oz/a	A	15.7 a 21.0 a
ROUNDUP POWERMAX	22 fl oz/a	A	
MSO	1 % v/v	A	
N-PAK	2.5 % v/v	A	
AUTHORITY XL	5 oz/a	C	
GRAMOXONE SL	48 fl oz/a	C	
COC	1 % v/v	C	
N-PAK	2.5 % v/v	C	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
3 TRICOR	6 oz/a	A	15.7 a 20.6 a
SHREDDER 2,4-D LV4	16 fl oz/a	A	
ROUNDUP POWERMAX	22 fl oz/a	A	
MSO	1 % v/v	A	
N-PAK	2.5 % v/v	A	
AUTHORITY XL	5 oz/a	C	
GRAMOXONE SL	48 fl oz/a	C	
COC	1 % v/v	C	
N-PAK	2.5 % v/v	C	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type			
Pest Code			
Pest Name			
Crop Code	GLXMA	GLXMA	
Crop Name	Soybean	Soybean	
Part Rated	PLOT C	PLOT C	
Rating Date	10/18/2017	10/18/2017	
Rating Type	MOICON	YIELD	
Rating Unit	%	BU	
Number of Subsamples	1	1	
Assessed By	T. Campbell	T. Campbell	
Days After First/Last Applic.	184 116	184 116	
Trt-Eval Interval			
Days After Emergence	150 DE-1	150 DE-1	
ARM Action Codes		TY1	
Number of Decimals	1	1	
Trt Treatment	Rate Appl		
No. Name	Rate Unit Code	30	31
4 ANTHEM MAXX	2.5 fl oz/a A	15.7 a	22.0 a
SHREDDER 2,4-D LV4	16 fl oz/a A		
ROUNDUP POWERMAX	22 fl oz/a A		
MSO	1 % v/v A		
N-PAK	2.5 % v/v A		
AUTHORITY XL	5 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
5 VERDICT	5 fl oz/a A	15.7 a	20.2 a
SHREDDER 2,4-D LV4	16 fl oz/a A		
ROUNDUP POWERMAX	22 fl oz/a A		
MSO	1 % v/v A		
N-PAK	2.5 % v/v A		
ZIDUA	2 oz/a C		
GRAMOXONE SL	48 fl oz/a C		
COC	1 % v/v C		
N-PAK	2.5 % v/v C		
ENGENIA	12.8 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		
6 AUTHORITY XL	5 oz/a A	15.7 a	25.0 a
SHREDDER 2,4-D LV4	16 fl oz/a A		
ROUNDUP POWERMAX	22 fl oz/a A		
MSO	1 % v/v A		
N-PAK	2.5 % v/v A		
XTENDIMAX	22 fl oz/a E		
ROUNDUP POWERMAX	22 fl oz/a E		
ANTHEM MAXX	3 fl oz/a E		
CLASS ACT RIDION	1 % v/v E		
7 XTENDIMAX	22 fl oz/a B	15.7 a	19.7 a
ROUNDUP POWERMAX	22 fl oz/a B		
CLASS ACT RIDION	1 % v/v B		
XTENDIMAX	22 fl oz/a D		
ROUNDUP POWERMAX	22 fl oz/a D		
CLASS ACT RIDION	1 % v/v D		

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type			
Pest Code			
Pest Name			
Crop Code	GLXMA	GLXMA	
Crop Name	Soybean	Soybean	
Part Rated	PLOT C	PLOT C	
Rating Date	10/18/2017	10/18/2017	
Rating Type	MOICON	YIELD	
Rating Unit	%	BU	
Number of Subsamples Assessed By	1 T. Campbell	1 T. Campbell	
Days After First/Last Applic.	184 116	184 116	
Trt-Eval Interval			
Days After Emergence	150 DE-1	150 DE-1	
ARM Action Codes		TY1	
Number of Decimals	1	1	
Trt Treatment No. Name	Rate Rate Unit	Appl Code	
			30 31
8 AUTHORITY FIRST	5 oz/a	B	15.7 a
XTENDIMAX	22 fl oz/a	B	
ROUNDUP POWERMAX	22 fl oz/a	B	
CLASS ACT RIDION	1 % v/v	B	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
9 AUTHORITY XL	5 oz/a	B	15.7 a
XTENDIMAX	22 fl oz/a	B	
ROUNDUP POWERMAX	22 fl oz/a	B	
CLASS ACT RIDION	1 % v/v	B	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
10 AUTHORITY MTZ	14 oz/a	B	15.7 a
XTENDIMAX	22 fl oz/a	B	
ROUNDUP POWERMAX	22 fl oz/a	B	
CLASS ACT RIDION	1 % v/v	B	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
11 ANTHEM MAXX	3.25 fl oz/a	B	15.7 a
TRICOR	5 oz/a	B	
XTENDIMAX	22 fl oz/a	B	
ROUNDUP POWERMAX	22 fl oz/a	B	
CLASS ACT RIDION	1 % v/v	B	
XTENDIMAX	22 fl oz/a	D	
ROUNDUP POWERMAX	22 fl oz/a	D	
CLASS ACT RIDION	1 % v/v	D	
12 AUTHORITY XL	5 oz/a	B	15.7 a
XTENDIMAX	22 fl oz/a	B	
ROUNDUP POWERMAX	22 fl oz/a	B	
CLASS ACT RIDION	1 % v/v	B	
ANTHEM MAXX	3 fl oz/a	F	
ROUNDUP POWERMAX	22 fl oz/a	F	
N-PAK	2.5 % v/v	F	

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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Pest Type		
Pest Code		
Pest Name		
Crop Code	GLXMA	GLXMA
Crop Name	Soybean	Soybean
Part Rated	PLOT C	PLOT C
Rating Date	10/18/2017	10/18/2017
Rating Type	MOICON	YIELD
Rating Unit	%	BU
Number of Subsamples	1	1
Assessed By	T. Campbell	T. Campbell
Days After First/Last Applic.	184 116	184 116
Trt-Eval Interval		
Days After Emergence	150 DE-1	150 DE-1
ARM Action Codes		TY1
Number of Decimals	1	1
Trt Treatment	Rate Appl	
No. Name	Rate Unit Code	
	30	31
13 ENGENIA	12.8 fl oz/a B	15.7 a
ZIDUA PRO	6 fl oz/a B	
ROUNDUP POWERMAX	22 fl oz/a B	
CLASS ACT RIDION	1 % v/v B	
ENGENIA	12.8 fl oz/a D	
ROUNDUP POWERMAX	22 fl oz/a D	
CLASS ACT RIDION	1 % v/v D	22.8 a
LSD P=.05	.	6.06
Standard Deviation	0.00	4.22
CV	0.0	20.19
Bartlett's X2	0.0	18.731
P(Bartlett's X2)	.	0.095
Skewness	-1.0306*	-0.4925
Kurtosis	-2.0833*	1.778*
Replicate F	0.000	5.241
Replicate Prob(F)	1.0000	0.0043
Treatment F	0.000	5.618
Treatment Prob(F)	1.0000	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
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Could not calculate LSD (% mean diff) for columns 13,16,30 because error mean square = 0.

Purdue Weed Science

FMC BURNDOWN STRATEGIES WITH XTENDIMAX SYSTEMS

Trial ID: 17S-MGS-Soy-05	Location: Meigs	Trial Year: 2017
Protocol ID: 17S-MGS-Soy-05	Investigator: Dr. Bill Johnson	
Project ID:	Study Director: Taylor Campbell	
	Sponsor Contact: Nick Hustedde	

Pest Type

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

Pest Code

ERICA, Erigeron canadensis, Canada horseweed = US

TARSS, Taraxacum sp., Dandelion = US

AMATA, Amaranthus tamariscinus, Common waterhemp = US

Crop Code

GLXMA, BSOY, Glycine max, Soybean = US

Part Rated

PLOT = plot

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 = $2.904 * [29] * (100 - [30]) / 86.7$