

2013/SOYBEAN/AUTHORITY XL/AUTHORITY MAXX/AUTHORITY MTZ/SPLIT/PURDUE

Crop 1: GLXMA	Glycine max	Soybean
Variety: Asgrow 2933	BBCH Scale: BSOY	
Description: RR		
Planting Rate, Unit: 140000 S/A	Planting Date: 5/21/2015	
Depth, Unit: 1.5 IN	Planting Method: SEEDED seeded	
Row Spacing, Unit: 30 IN	Planting Equipment: PP	Plot Planter
	Emergence Date: 5/29/2015	
Soil Temperature, Unit: 60 F	Harvested Width, Unit: 10 FT	
Soil Moisture: SLIWET slightly wet, moist	Harvested Length, Unit: 25 FT	
	% Standard Moisture: 13	

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Pest Description

Pest 1 Type: W **Code:** TTTT Weed plants
Common Name: Weed plants

Pest 2 Type: W **Code:** TAROF Taraxacum officinale
Common Name: Common dandelion

Pest 3 Type: W **Code:** BROTE Bromus tectorum
Common Name: Downy brome

Pest 4 Type: W **Code:** STEME Stellaria media
Common Name: Common chickweed

Pest 5 Type: W **Code:** THLSS Thlaspi sp.
Common Name: Pennycress

Pest 6 Type: W **Code:** LACSE Lactuca serriola
Common Name: Prickly lettuce

Pest 7 Type: W **Code:** ERICA Conyza canadensis
Common Name: Canada horseweed

Pest 8 Type: W **Code:** LAMAM Lamium amplexicaule
Common Name: Henbit

Pest 9 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant ragweed

Pest10 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant foxtail

Pest11 Type: W **Code:** CHEAL Chenopodium album
Common Name: Common lambsquarters

Pest12 Type: W **Code:** ABUTH Abutilon theophrasti
Common Name: velvetleaf

Site and Design

Treated Plot Width: 10 FT **Site Type:** FIELD field
Treated Plot Length: 30 FT **Experimental Unit:** 1 PLOT plot
Treated Plot Area: 300 FT² **Treatments:** 12 **Tillage Type:** NOTILL no-till
Replications: 4 **Study Design:** RACOB� Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

Soil Description

Description Name: TPAC - Field 5
% OM: 2.3 **Texture:** SIL silt loam
pH: 6.6 **Soil Name:** Longlois
CEC: 9.9

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Application Description				
	A	B	C	D
Application Date:	10/29/2014	5/14/2015	5/22/2015	6/20/2015
Appl. Start Time:	09:00	09:30	14:30	12:00
Appl. Stop Time:	10:00	9:45	14:45	12:30
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	FALL	EPP-7	ATPLAN	POSPOS
Application Placement:	SOIL	SOIL	SOIL	FOLIAR
Applied By:	KA	Ikley	DS	JI
Air Temperature, Unit:	45 F	52 F	73 F	71 F
% Relative Humidity:	74	70	35	84
Wind Velocity, Unit:	6 MPH	5 MPH	2 MPH	5 MPH
Wind Direction:	SW	ESE	S	N
Dew Presence (Y/N):	Y yes	N no	N no	Y yes
Soil Temperature, Unit:	60 F	52 F	64 F	71 F
Soil Moisture:	SLIWET	WET	DRY	WET
% Cloud Cover:	95	90	70	100

Crop Stage At Each Application				
	A	B	C	D
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:			BBCH	BBCH
Stage Majority, Percent:			00	15
Stage Minimum, Percent:				14
Stage Maximum, Percent:				15
Height, Unit:				7.5 IN
Height Minimum, Maximum:				5 10

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Pest Stage At Each Application				
	A	B	C	D
Pest 1 Code, Type, Scale:	TTTTT W	TTTTT W	TTTTT W	TTTTT W
Pest 2 Code, Type, Scale:	TAROF W	TAROF W	TAROF W	TAROF W
Height, Unit:	2 IN			
Density, Unit:	2 YD2			
Pest 3 Code, Type, Scale:	BROTE W	BROTE W	BROTE W	BROTE W
Height, Unit:	2 IN			
Density, Unit:	90 YD2			
Pest 4 Code, Type, Scale:	STEME W	STEME W	STEME W	STEME W
Pest 5 Code, Type, Scale:	THLSS W	THLSS W	THLSS W	THLSS W
Stage Majority, Percent:		65	69	
Height, Unit:	0.5 IN	4 IN	5 IN	
Height Minimum, Maximum:		2 6	2 8	
Density, Unit:	4 YD2	150 YD2	150 YD2	
Pest 6 Code, Type, Scale:	LACSE W	LACSE W	LACSE W	LACSE W
Pest 7 Code, Type, Scale:	ERICA W	ERICA W	ERICA W	ERICA W
Height, Unit:	0.25 IN			
Density, Unit:	36 YD2			
Pest 8 Code, Type, Scale:	LAMAM W	LAMAM W	LAMAM W	LAMAM W
Height, Unit:	0.75 IN			
Density, Unit:	90 YD2			
Pest 9 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:		34G	34G	33G
Stage Minimum, Percent:		32G	32G	31G
Stage Maximum, Percent:		35G	36G	38G
Height, Unit:		6 IN	8 IN	12 IN
Height Minimum, Maximum:		2 10	4 12	1 36
Density, Unit:		50 YD2	50 YD2	75 YD2
Pest10 Code, Type, Scale:	SETFA W	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:		13	15	21
Stage Minimum, Percent:		11	14	21
Stage Maximum, Percent:		14	17	23
Height, Unit:		1.25 IN	2 IN	4 IN
Height Minimum, Maximum:		0.5 2	1 3	1 12
Density, Unit:		90 YD2	90 YD2	50 YD2
Pest11 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W	CHEAL W
Pest12 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:				3

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Application Equipment				
	A	B	C	D
Appl. Equipment:	CUB	CO2 BACKPACK	CO2 BACKPACK	CO2 BACKPACK
Equipment Type:	TRASPR	BACSPR	BACSPR	BACSPR
Operation Pressure, Unit:	25 PSI	18 PSI	18 PSI	18 PSI
Nozzle Type:	FLAT FAN	FLAT FAN	FLAT FAN	FLAT FAN
Nozzle Size:	XR 11002	XR 11002	XR 11002	XR 11002
Nozzle Spacing, Unit:	20 IN	15 IN	15 IN	15 IN
Nozzles/Row:	6	8	8	8
Boom Length, Unit:	10 FT	10 FT	10 FT	10 FT
Boom Height, Unit:	17 IN	17 IN	17 IN	17 IN
Ground Speed, Unit:	2.2 MPH	3 MPH	3 MPH	3 MPH
Carrier:	MEIGS	MEIGS	MEIGS	MEIGS
Spray Volume, Unit:	20 gal/ac	15 gal/ac	15 gal/ac	15 gal/ac
Mix Size, Unit:	2.5 liters	1.8 liters	1.8 liters	1.8 liters
Propellant:	CO2	CO2	CO2	CO2

Trt No Treatment Application Comment

12 Weed Pressure much higher in this treatment at application D

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

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Unit	Growth Stage	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	UNTREATED									101	405	702	805
2	AUTHORITY MTZ	45 %W/W		WG	3.6 oz ai/a		FALPRE	A	7.19 g/mx	102	404	602	804
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	15.1 oz ai/a		FALPRE	A	20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL		SL	15.5 oz ai/a		FALPRE	A	30.04 ml/mx				
	CLARITY	4 LBAE/GAL	L		0.25 lb ae/a		FALPRE	A	7.499 ml/mx				
	2,4-D LV 4	3.8 LBAE/GAL	EC		0.72 lb ae/a		FALPRE	A	22.73 ml/mx				
	PRIME OIL - COC	99.47 %		L	1 % v/v		FALPRE	A	18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a		FALPRE	A	88.23 ml/mx				
	AUTHORITY MAXX	66 %W/W		WG	4.22 oz ai/a		EPP-7	B	5.746 g/mx				
	2,4-D LV 4	3.8 LBAE/GAL	EC		8 oz ai/a		EPP-7	B	15.79 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a		EPP-7	B	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a		EPP-7	B	88.23 ml/mx				
	MARVEL	3 LB/GAL		SC	2.72 oz ai/a		POSPOS	D	6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a		POSPOS	D	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a		POSPOS	D	88.23 ml/mx				
11	AUTHORITY XL	70 %W/W		WG	2.24 oz ai/a		FALPRE	A	2.876 g/mx	103	303	603	803
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	15.1 oz ai/a		FALPRE	A	20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL		SL	15.5 oz ai/a		FALPRE	A	30.04 ml/mx				
	PRIME OIL - COC	99.47 %		L	1 % v/v		FALPRE	A	18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a		FALPRE	A	88.23 ml/mx				
	AUTHORITY MTZ	45 %W/W		WG	5.4 oz ai/a		ATPLAN	C	10.78 g/mx				
	GRAMOXONE INTEON	2.762 LB/GAL		SL	11 oz ai/a		ATPLAN	C	29.87 ml/mx				
	PRIME OIL - COC	99.47 %		L	1 % v/v		ATPLAN	C	18.0 ml/mx				
	MARVEL	3 LB/GAL		SC	2.72 oz ai/a		POSPOS	D	6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a		POSPOS	D	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a		POSPOS	D	88.23 ml/mx				

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Reps: 4

Plots: 10 by 30 feet

Spray vol: 15 GAL/AC

Mix Size: 1.8 liters (calculated mix size 1.5642)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Growth Stage	Appl Code	Amt Product to Measure	Rep 1	2	3	4
3	AUTHORITY MTZ	45 %W/W		WG	3.6 oz ai/a	FALPRE	A	7.19 g/mx	104	502	704	901
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	15.1 oz ai/a	FALPRE	A	20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL		SL	15.5 oz ai/a	FALPRE	A	30.04 ml/mx				
	PRIME OIL - COC	99.47 %		L	1 % v/v	FALPRE	A	18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	FALPRE	A	88.23 ml/mx				
	AUTHORITY FIRST DF	70 %W/W		WG	2.8 oz ai/a	EPP-7	B	3.595 g/mx				
	2,4-D LV 4	3.8 LBAE/GAL		EC	8 oz ai/a	EPP-7	B	15.79 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	EPP-7	B	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	EPP-7	B	88.23 ml/mx				
	MARVEL	3 LB/GAL		SC	2.72 oz ai/a	POSPOS	D	6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	POSPOS	D	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	POSPOS	D	88.23 ml/mx				
4	AUTHORITY MTZ	45 %W/W		WG	3.6 oz ai/a	FALPRE	A	7.19 g/mx	105	402	605	904
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	15.1 oz ai/a	FALPRE	A	20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL		SL	15.5 oz ai/a	FALPRE	A	30.04 ml/mx				
	PRIME OIL - COC	99.47 %		L	1 % v/v	FALPRE	A	18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	FALPRE	A	88.23 ml/mx				
	AUTHORITY XL	70 %W/W		WG	2.8 oz ai/a	EPP-7	B	3.595 g/mx				
	2,4-D LV 4	3.8 LBAE/GAL		EC	8 oz ai/a	EPP-7	B	15.79 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	EPP-7	B	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	EPP-7	B	88.23 ml/mx				
	MARVEL	3 LB/GAL		SC	2.72 oz ai/a	POSPOS	D	6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	POSPOS	D	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	POSPOS	D	88.23 ml/mx				
5	AUTHORITY XL	70 %W/W		WG	2.24 oz ai/a	FALPRE	A	2.876 g/mx	201	505	705	905
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	15.1 oz ai/a	FALPRE	A	20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL		SL	15.5 oz ai/a	FALPRE	A	30.04 ml/mx				
	PRIME OIL - COC	99.47 %		L	1 % v/v	FALPRE	A	18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	FALPRE	A	88.23 ml/mx				
	AUTHORITY MAXX	66 %W/W		WG	4.22 oz ai/a	EPP-7	B	5.746 g/mx				
	2,4-D LV 4	3.8 LBAE/GAL		EC	8 oz ai/a	EPP-7	B	15.79 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	EPP-7	B	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	EPP-7	B	88.23 ml/mx				
	MARVEL	3 LB/GAL		SC	2.72 oz ai/a	POSPOS	D	6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	POSPOS	D	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	POSPOS	D	88.23 ml/mx				
6	AUTHORITY XL	70 %W/W		WG	2.24 oz ai/a	FALPRE	A	2.876 g/mx	202	501	802	1005
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	15.1 oz ai/a	FALPRE	A	20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL		SL	15.5 oz ai/a	FALPRE	A	30.04 ml/mx				
	PRIME OIL - COC	99.47 %		L	1 % v/v	FALPRE	A	18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	FALPRE	A	88.23 ml/mx				
	AUTHORITY FIRST DF	70 %W/W		WG	2.8 oz ai/a	EPP-7	B	3.595 g/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	EPP-7	B	30.0 ml/mx				
	2,4-D LV 4	3.8 LBAE/GAL		EC	8 oz ai/a	EPP-7	B	15.79 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	EPP-7	B	88.23 ml/mx				
	MARVEL	3 LB/GAL		SC	2.72 oz ai/a	POSPOS	D	6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	POSPOS	D	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	POSPOS	D	88.23 ml/mx				
12	AUTHORITY MTZ	45 %W/W		WG	3.6 oz ai/a	FALPRE	A	7.19 g/mx	203	403	703	903
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	15.1 oz ai/a	FALPRE	A	20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL		SL	15.5 oz ai/a	FALPRE	A	30.04 ml/mx				
	PRIME OIL - COC	99.47 %		L	1 % v/v	FALPRE	A	18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	FALPRE	A	88.23 ml/mx				
	AUTHORITY XL	70 %W/W		WG	2.8 oz ai/a	ATPLAN	C	3.595 g/mx				
	SHARPEN	2.85 LB/GAL		SC	0.356 oz ai/a	ATPLAN	C	0.9367 ml/mx				
	MSO ULTRA	100 %		L	1 % v/v		C	18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	ATPLAN	C	88.23 ml/mx				
	MARVEL	3 LB/GAL		SC	2.72 oz ai/a	POSPOS	D	6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL		SL	22 oz ai/a	POSPOS	D	30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL		SL	2.5 lb ai/a	POSPOS	D	88.23 ml/mx				

Purdue Weed Science

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

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Growth Stage	Appl Code	Amt Product to Measure	Rep 1	2	3	4
7	AUTHORITY XL	70 %W/W	WG	2.24 oz ai/a	FALPRE A			2.876 g/mx	204	401	601	902
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	15.1 oz ai/a	FALPRE A			20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL	SL	15.5 oz ai/a	FALPRE A			30.04 ml/mx				
	PRIME OIL - COC	99.47 %	L	1 % v/v	FALPRE A			18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	FALPRE A			88.23 ml/mx				
	AUTHORITY XL	70 %W/W	WG	2.8 oz ai/a	EPP-7 B			3.595 g/mx				
	2,4-D LV 4	3.8 LBAE/GAL	EC	8 oz ai/a	EPP-7 B			15.79 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	22 oz ai/a	EPP-7 B			30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	EPP-7 B			88.23 ml/mx				
	MARVEL	3 LB/GAL	SC	2.72 oz ai/a	POSPOS D			6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	22 oz ai/a	POSPOS D			30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	POSPOS D			88.23 ml/mx				
8	AUTHORITY XL	70 %W/W	WG	2.24 oz ai/a	FALPRE A			2.876 g/mx	205	305	604	1004
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	15.1 oz ai/a	FALPRE A			20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL	SL	15.5 oz ai/a	FALPRE A			30.04 ml/mx				
	PRIME OIL - COC	99.47 %	L	1 % v/v	FALPRE A			18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	FALPRE A			88.23 ml/mx				
	AUTHORITY MTZ	45 %W/W	WG	5.4 oz ai/a	EPP-7 B			10.78 g/mx				
	2,4-D LV 4	3.8 LBAE/GAL	EC	8 oz ai/a	EPP-7 B			15.79 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	22 oz ai/a	EPP-7 B			30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	EPP-7 B			88.23 ml/mx				
	ANTHEM	2.15 LB/GAL	SE	1.34 oz ai/a	POSPOS D			4.674 ml/mx				
	MARVEL	3 LB/GAL	SC	1.88 oz ai/a	POSPOS D			4.699 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	16.5 oz ai/a	POSPOS D			22.5 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	POSPOS D			88.23 ml/mx				
9	AUTHORITY MTZ	45 %W/W	WG	3.6 oz ai/a	FALPRE A			7.19 g/mx	301	304	701	1001
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	15.1 oz ai/a	FALPRE A			20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL	SL	15.5 oz ai/a	FALPRE A			30.04 ml/mx				
	PRIME OIL - COC	99.47 %	L	1 % v/v	FALPRE A			18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	FALPRE A			88.23 ml/mx				
	AUTHORITY MAXX	66 %W/W	WG	4.22 oz ai/a	EPP-7 B			5.746 g/mx				
	SENCOR	75 %	WG	3 oz ai/a	EPP-7 B			3.595 g/mx				
	2,4-D LV 4	3.8 LBAE/GAL	EC	8 oz ai/a	EPP-7 B			15.79 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	22 oz ai/a	EPP-7 B			30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	EPP-7 B			88.23 ml/mx				
	MARVEL	3 LB/GAL	SC	2.72 oz ai/a	POSPOS D			6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	22 oz ai/a	POSPOS D			30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	POSPOS D			88.23 ml/mx				
10	AUTHORITY MTZ	45 %W/W	WG	3.6 oz ai/a	FALPRE A			7.19 g/mx	302	504	801	1002
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	15.1 oz ai/a	FALPRE A			20.59 ml/mx				
	WEEDMASTER	3.87 LB/GAL	SL	15.5 oz ai/a	FALPRE A			30.04 ml/mx				
	PRIME OIL - COC	99.47 %	L	1 % v/v	FALPRE A			18.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	FALPRE A			88.23 ml/mx				
	AUTHORITY MAXX	66 %W/W	WG	4.22 oz ai/a	ATPLAN C			5.746 g/mx				
	SENCOR	75 %	WG	3 oz ai/a	ATPLAN C			3.595 g/mx				
	GRAMOXONE INTEON	2.762 LB/GAL	SL	11 oz ai/a	ATPLAN C			29.87 ml/mx				
	PRIME OIL - COC	99.47 %	L	1 % v/v	ATPLAN C			18.0 ml/mx				
	MARVEL	3 LB/GAL	SC	2.72 oz ai/a	POSPOS D			6.799 ml/mx				
	ROUNDUP POWERMAX	5.5 LB/GAL	SL	22 oz ai/a	POSPOS D			30.0 ml/mx				
	N-PAK - AMS	3.4 LBA/GAL	SL	2.5 lb ai/a	POSPOS D			88.23 ml/mx				

Sort Order: Replicate 1

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
80.883	g	AUTHORITY MTZ	45	WG	
986.143	ml	ROUNDUP POWERMAX	5.5	SL	
412.988	ml	WEEDMASTER	3.87	SL	

Purdue Weed Science

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
9.374	ml	CLARITY	4	L	
186.296	ml	2,4-D LV 4	3.8	EC	
292.468	ml	PRIME OIL - COC	99.47	L	
3,418.747	ml	N-PAK - AMS	3.4	SL	
28.731	g	AUTHORITY MAXX	66	WG	
90.865	ml	MARVEL	3	SC	0.5
8.987	g	AUTHORITY FIRST DF	70	WG	
31.454	g	AUTHORITY XL	70	WG	
5.842	ml	ANTHEM	2.15	SE	
8.987	g	SENCOR	75	WG	
74.666	ml	GRAMOXONE INTEON	2.762	SL	
1.171	ml	SHARPEN	2.85	SC	
22.498	ml	MSO ULTRA	100	L	

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

* Product amount calculations increased 25 % for overage adjustment.

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

Pest Type				W Weed	W Weed BROSS	W Weed TAROF	W Weed BROSS	W Weed TAROF
Pest Code					Bromegrass	Common dandelion	Bromegrass	Common dandelion
Pest Name								
Crop Code								
Crop Name								
Part Rated				PLOT -	PLOT [	PLOT [	PLOT [	PLOT [
Rating Date				12/3/2014	4/14/2015	4/14/2015	5/7/2015	5/7/2015
Rating Type				GROUND	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit				%	%	%	%	%
Number of Subsamples				1	1	1	1	1
Days After First/Last Applic.				35 35	167 167	167 167	190 190	190 190
Trt-Eval Interval				35 DA-A	167 DA-A	167 DA-A	190 DA-A	190 DA-A
Days After Emergence				-177 DE-1	-45 DE-1	-45 DE-1	-22 DE-1	-22 DE-1
ARM Action Codes				P	P	P	P	P
Number of Decimals				0	0	0	0	0
Trt Treatment	Rate	Appl						
No. Name	Rate	Unit	Code Plot	1	2	3	4	5
1 UNTREATED			101	0	0	0	0	0
			405	0	0	0	0	0
			702	0	0	0	0	0
			805	0	0	0	0	0
			Mean =	0	0	0	0	0
2 AUTHORITY MTZ	3.6 oz ai/a	A	102	90	90	100	95	100
ROUNDUP POWERMAX	15.1 oz ai/a	A	404	96	100	100	90	99
WEEDMASTER	15.5 oz ai/a	A	602	99	99	100	95	100
CLARITY	0.25 lb ae/a	A	804	75	95	100	85	100
2,4-D LV 4	0.72 lb ae/a	A						
PRIME OIL - COC	1 % v/v	A						
N-PAK - AMS	2.5 lb ai/a	A						
AUTHORITY MAXX	4.22 oz ai/a	B						
2,4-D LV 4	8 oz ai/a	B						
ROUNDUP POWERMAX	22 oz ai/a	B						
N-PAK - AMS	2.5 lb ai/a	B						
MARVEL	2.72 oz ai/a	D						
ROUNDUP POWERMAX	22 oz ai/a	D						
N-PAK - AMS	2.5 lb ai/a	D						
			Mean =	90	96	100	91	100

Purdue Weed Science

Pest Type					W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code						BROSS	TAROF	BROSS	TAROF
Pest Name						Bromegrass	Common dandelion	Bromegrass	Common dandelion
Crop Code									
Crop Name									
Part Rated									
Rating Date					PLOT -	PLOT [	PLOT [	PLOT [	PLOT [
Rating Type					12/3/2014	4/14/2015	4/14/2015	5/7/2015	5/7/2015
Rating Unit					GROUND	CONTRO	CONTRO	CONTRO	CONTRO
Number of Subsamples					%	%	%	%	%
Days After First/Last Applic.					1	1	1	1	1
Trt-Eval Interval					35 35	167 167	167 167	190 190	190 190
Days After Emergence					35 DA-A	167 DA-A	167 DA-A	190 DA-A	190 DA-A
ARM Action Codes					-177 DE-1	-45 DE-1	-45 DE-1	-22 DE-1	-22 DE-1
Number of Decimals					P	P	P	P	P
					0	0	0	0	0
Trt Treatment									
No. Name	Rate	Unit	Code	Plot	1	2	3	4	5
11 AUTHORITY XL	2.24 oz ai/a	A		103	70	97	100	100	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		303	87	100	100	100	100
WEEDMASTER	15.5 oz ai/a	A		603	95	100	100	100	100
PRIME OIL - COC	1 % v/v	A		803	87	100	100	100	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY MTZ	5.4 oz ai/a	C							
GRAMOXONE INTEON	11 oz ai/a	C							
PRIME OIL - COC	1 % v/v	C							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					85	99	100	100	100
3 AUTHORITY MTZ	3.6 oz ai/a	A		104	85	100	100	95	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		502	95	100	100	85	100
WEEDMASTER	15.5 oz ai/a	A		704	98	90	100	90	100
PRIME OIL - COC	1 % v/v	A		901	91	95	100	95	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY FIRST DF	2.8 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					92	96	100	91	100
4 AUTHORITY MTZ	3.6 oz ai/a	A		105	89	95	100	90	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		402	99	99	100	95	100
WEEDMASTER	15.5 oz ai/a	A		605	94	85	100	80	100
PRIME OIL - COC	1 % v/v	A		904	80	90	100	85	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY XL	2.8 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					91	92	100	88	100
5 AUTHORITY XL	2.24 oz ai/a	A		201	97	85	100	90	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		505	92	100	100	95	100
WEEDMASTER	15.5 oz ai/a	A		705	94	100	100	100	100
PRIME OIL - COC	1 % v/v	A		905	95	100	100	100	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY MAXX	4.22 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					95	96	100	96	100

Purdue Weed Science

Pest Type					W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code						BROSS	TAROF	BROSS	TAROF
Pest Name						Bromegrass	Common dandelion	Bromegrass	Common dandelion
Crop Code									
Crop Name									
Part Rated									
Rating Date					PLOT -	PLOT [	PLOT [	PLOT [	PLOT [
Rating Type					12/3/2014	4/14/2015	4/14/2015	5/7/2015	5/7/2015
Rating Unit					GROUND	CONTRO	CONTRO	CONTRO	CONTRO
Number of Subsamples					%	%	%	%	%
Days After First/Last Applic.					1	1	1	1	1
Trt-Eval Interval					35 35	167 167	167 167	190 190	190 190
Days After Emergence					35 DA-A	167 DA-A	167 DA-A	190 DA-A	190 DA-A
ARM Action Codes					-177 DE-1	-45 DE-1	-45 DE-1	-22 DE-1	-22 DE-1
Number of Decimals					P	P	P	P	P
					0	0	0	0	0
Trt Treatment									
No. Name	Rate	Unit	Code	Plot	1	2	3	4	5
6 AUTHORITY XL	2.24 oz ai/a	A		202	94	100	100	100	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		501	92	100	100	100	100
WEEDMASTER	15.5 oz ai/a	A		802	86	97	100	95	100
PRIME OIL - COC	1 % v/v	A		1005	87	100	100	100	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY FIRST DF	2.8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					90	99	100	99	100
12 AUTHORITY MTZ	3.6 oz ai/a	A		203	99	100	100	95	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		403	99	100	100	90	100
WEEDMASTER	15.5 oz ai/a	A		703	99	95	100	85	100
PRIME OIL - COC	1 % v/v	A		903	75	90	100	80	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY XL	2.8 oz ai/a	C							
SHARPEN	0.356 oz ai/a	C							
MSO ULTRA	1 % v/v	C							
N-PAK - AMS	2.5 lb ai/a	C							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					93	96	100	88	100
7 AUTHORITY XL	2.24 oz ai/a	A		204	87	100	100	100	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		401	95	100	100	100	100
WEEDMASTER	15.5 oz ai/a	A		601	93	100	100	100	100
PRIME OIL - COC	1 % v/v	A		902	85	95	100	90	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY XL	2.8 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					90	99	100	98	100

Purdue Weed Science

Pest Type					W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code						BROSS	TAROF	BROSS	TAROF
Pest Name						Bromegrass	Common dandelion	Bromegrass	Common dandelion
Crop Code									
Crop Name									
Part Rated					PLOT -	PLOT [	PLOT [	PLOT [	PLOT [
Rating Date					12/3/2014	4/14/2015	4/14/2015	5/7/2015	5/7/2015
Rating Type					GROUND	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit					%	%	%	%	%
Number of Subsamples					1	1	1	1	1
Days After First/Last Applic.					35 35	167 167	167 167	190 190	190 190
Trt-Eval Interval					35 DA-A	167 DA-A	167 DA-A	190 DA-A	190 DA-A
Days After Emergence					-177 DE-1	-45 DE-1	-45 DE-1	-22 DE-1	-22 DE-1
ARM Action Codes					P	P	P	P	P
Number of Decimals					0	0	0	0	0
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	Plot	1	2	3	4	5
8 AUTHORITY XL	2.24 oz ai/a	A		205	90	97	100	95	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		305	90	100	100	85	100
WEEDMASTER	15.5 oz ai/a	A		604	99	100	100	100	100
PRIME OIL - COC	1 % v/v	A	1004		93	100	100	100	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY MTZ	5.4 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
ANTHEM	1.34 oz ai/a	D							
MARVEL	1.88 oz ai/a	D							
ROUNDUP POWERMAX	16.5 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
			Mean =		93	99	100	95	100
9 AUTHORITY MTZ	3.6 oz ai/a	A		301	90	85	100	80	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		304	97	99	100	90	100
WEEDMASTER	15.5 oz ai/a	A		701	87	100	100	99	100
PRIME OIL - COC	1 % v/v	A	1001		90	95	100	90	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY MAXX	4.22 oz ai/a	B							
SENCOR	3 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
			Mean =		91	95	100	90	100
10 AUTHORITY MTZ	3.6 oz ai/a	A		302	97	100	100	85	100
ROUNDUP POWERMAX	15.1 oz ai/a	A		504	90	100	100	95	100
WEEDMASTER	15.5 oz ai/a	A		801	97	100	100	86*	100*
PRIME OIL - COC	1 % v/v	A	1002		98	90	100	75	100
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY MAXX	4.22 oz ai/a	C							
SENCOR	3 oz ai/a	C							
GRAMOXONE INTEON	11 oz ai/a	C							
PRIME OIL - COC	1 % v/v	C							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
			Mean =		96	98	100	85	100

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed		W Weed		
Pest Code	THLSS	SETFA	AMBTR	THLSS		SETFA		
Pest Name	Pennycress	Giant foxtail	Giant ragweed	Pennycress		Giant foxtail		
Crop Code					GLXMA			
Crop Name					Soybean			
Part Rated					PLOT C			
Rating Date	PLOT [	PLOT [	PLOT [	PLOT [	PLOT C	PLOT [		
Rating Type	5/7/2015	5/22/2015	5/22/2015	5/22/2015	5/29/2015	5/29/2015		
Rating Unit	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO		
Number of Subsamples	%	%	%	%	%	%		
Days After First/Last Applic.	1	1	1	1	1	1		
Trt-Eval Interval	190 190	205 8	205 8	205 8	212 7	212 7		
Days After Emergence	190 DA-A	0 DA-C	0 DA-C	0 DA-C	7 DA-C	7 DA-C		
ARM Action Codes	-22 DE-1	-7 DE-1	-7 DE-1	-7 DE-1	0 DE-1	0 DE-1		
Number of Decimals	P	P	P	P	P	P		
	0	0	0	0	0	0		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit Code Plot	6	7	8	9	10	11	
1 UNTREATED	101	0	0	0	0	0	0	
	405	0	0	0	0	0	0	
	702	0	0	0	0	0	0	
	805	0	0	0	0	0	0	
	Mean =	0	0	0	0	0	0	
2 AUTHORITY MTZ	3.6 oz ai/a A	102	0	100	80	100	0	100
ROUNDUP POWERMAX	15.1 oz ai/a A	404	0	100	70	100	0	100
WEEDMASTER	15.5 oz ai/a A	602	0	100	50	100	0	100
CLARITY	0.25 lb ae/a A	804	0	100	60	100	0	100
2,4-D LV 4	0.72 lb ae/a A							
PRIME OIL - COC	1 % v/v A							
N-PAK - AMS	2.5 lb ai/a A							
AUTHORITY MAXX	4.22 oz ai/a B							
2,4-D LV 4	8 oz ai/a B							
ROUNDUP POWERMAX	22 oz ai/a B							
N-PAK - AMS	2.5 lb ai/a B							
MARVEL	2.72 oz ai/a D							
ROUNDUP POWERMAX	22 oz ai/a D							
N-PAK - AMS	2.5 lb ai/a D							
	Mean =	0	100	65	100	0	100	

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed	W Weed		W Weed
Pest Code	THLSS	SETFA	AMBTR	THLSS		SETFA
Pest Name	Pennycress	Giant foxtail	Giant ragweed	Pennycress		Giant foxtail
Crop Code					GLXMA	
Crop Name					Soybean	
Part Rated					PLOT C	
Rating Date	PLOT [	PLOT [	PLOT [	PLOT [	5/29/2015	PLOT [
Rating Type	5/7/2015	5/22/2015	5/22/2015	5/22/2015	PHYGEN	5/29/2015
Rating Unit	CONTRO	CONTRO	CONTRO	CONTRO		CONTRO
Number of Subsamples	%	%	%	%	%	%
Days After First/Last Applic.	1	1	1	1	1	1
Trt-Eval Interval	190 190	205 8	205 8	205 8	212 7	212 7
Days After Emergence	190 DA-A	0 DA-C	0 DA-C	0 DA-C	7 DA-C	7 DA-C
ARM Action Codes	-22 DE-1	-7 DE-1	-7 DE-1	-7 DE-1	0 DE-1	0 DE-1
Number of Decimals	P	P	P	P	P	P
	0	0	0	0	0	0
Trt Treatment	Rate	Appl				
No. Name	Rate Unit Code Plot					
11 AUTHORITY XL	2.24 oz ai/a A	103	100	0	0	100
ROUNDUP POWERMAX	15.1 oz ai/a A	303	100	0	0	100
WEEDMASTER	15.5 oz ai/a A	603	100	0	0	100
PRIME OIL - COC	1 % v/v A	803	100	0	0	99
N-PAK - AMS	2.5 lb ai/a A					
AUTHORITY MTZ	5.4 oz ai/a C					
GRAMOXONE INTEON	11 oz ai/a C					
PRIME OIL - COC	1 % v/v C					
MARVEL	2.72 oz ai/a D					
ROUNDUP POWERMAX	22 oz ai/a D					
N-PAK - AMS	2.5 lb ai/a D					
Mean =			100	0	0	100
3 AUTHORITY MTZ	3.6 oz ai/a A	104	0	100	100	100
ROUNDUP POWERMAX	15.1 oz ai/a A	502	0	100	75	100
WEEDMASTER	15.5 oz ai/a A	704	0	100	60	95
PRIME OIL - COC	1 % v/v A	901	0	100	99	100
N-PAK - AMS	2.5 lb ai/a A					
AUTHORITY FIRST DF	2.8 oz ai/a B					
2,4-D LV 4	8 oz ai/a B					
ROUNDUP POWERMAX	22 oz ai/a B					
N-PAK - AMS	2.5 lb ai/a B					
MARVEL	2.72 oz ai/a D					
ROUNDUP POWERMAX	22 oz ai/a D					
N-PAK - AMS	2.5 lb ai/a D					
Mean =			0	100	84	99
4 AUTHORITY MTZ	3.6 oz ai/a A	105	0	100	100	100
ROUNDUP POWERMAX	15.1 oz ai/a A	402	0	100	95	100
WEEDMASTER	15.5 oz ai/a A	605	0	100	85	100
PRIME OIL - COC	1 % v/v A	904	0	100	80	100
N-PAK - AMS	2.5 lb ai/a A					
AUTHORITY XL	2.8 oz ai/a B					
2,4-D LV 4	8 oz ai/a B					
ROUNDUP POWERMAX	22 oz ai/a B					
N-PAK - AMS	2.5 lb ai/a B					
MARVEL	2.72 oz ai/a D					
ROUNDUP POWERMAX	22 oz ai/a D					
N-PAK - AMS	2.5 lb ai/a D					
Mean =			0	100	90	100
5 AUTHORITY XL	2.24 oz ai/a A	201	100	100	85	100
ROUNDUP POWERMAX	15.1 oz ai/a A	505	100	100	95	100
WEEDMASTER	15.5 oz ai/a A	705	100	100	85	100
PRIME OIL - COC	1 % v/v A	905	100	100	95	100
N-PAK - AMS	2.5 lb ai/a A					
AUTHORITY MAXX	4.22 oz ai/a B					
2,4-D LV 4	8 oz ai/a B					
ROUNDUP POWERMAX	22 oz ai/a B					
N-PAK - AMS	2.5 lb ai/a B					
MARVEL	2.72 oz ai/a D					
ROUNDUP POWERMAX	22 oz ai/a D					
N-PAK - AMS	2.5 lb ai/a D					
Mean =			100	100	90	100

Purdue Weed Science

Pest Type											
Pest Code											
Pest Name											
Crop Code											
Crop Name											
Part Rated											
Rating Date											
Rating Type											
Rating Unit											
Number of Subsamples											
Days After First/Last Applic.											
Trt-Eval Interval											
Days After Emergence											
ARM Action Codes											
Number of Decimals											
Trt Treatment	Rate	Appl									
No. Name	Rate	Unit	Code	Plot	6	7	8	9	10	11	
6 AUTHORITY XL	2.24 oz ai/a	A	202		100	100	99	100	0	100	
ROUNDUP POWERMAX	15.1 oz ai/a	A	501		100	100	100	100	0	100	
WEEDMASTER	15.5 oz ai/a	A	802		100	100	97	100	0	100	
PRIME OIL - COC	1 % v/v	A	1005		100	100	90	100	0	100	
N-PAK - AMS	2.5 lb ai/a	A									
AUTHORITY FIRST DF	2.8 oz ai/a	B									
ROUNDUP POWERMAX	22 oz ai/a	B									
2,4-D LV 4	8 oz ai/a	B									
N-PAK - AMS	2.5 lb ai/a	B									
MARVEL	2.72 oz ai/a	D									
ROUNDUP POWERMAX	22 oz ai/a	D									
N-PAK - AMS	2.5 lb ai/a	D									
Mean =					100	100	97	100	0	100	
12 AUTHORITY MTZ	3.6 oz ai/a	A	203		0	0	0	0	0	20	
ROUNDUP POWERMAX	15.1 oz ai/a	A	403		0	0	0	0	0	20	
WEEDMASTER	15.5 oz ai/a	A	703		0	0	0	0*	0	5	
PRIME OIL - COC	1 % v/v	A	903		0	0	0	0	0	10	
N-PAK - AMS	2.5 lb ai/a	A									
AUTHORITY XL	2.8 oz ai/a	C									
SHARPEN	0.356 oz ai/a	C									
MSO ULTRA	1 % v/v	C									
N-PAK - AMS	2.5 lb ai/a	C									
MARVEL	2.72 oz ai/a	D									
ROUNDUP POWERMAX	22 oz ai/a	D									
N-PAK - AMS	2.5 lb ai/a	D									
Mean =					0	0	0	0	0	14	
7 AUTHORITY XL	2.24 oz ai/a	A	204		100	100	99	100	0	100	
ROUNDUP POWERMAX	15.1 oz ai/a	A	401		100	100	100	100	0	100	
WEEDMASTER	15.5 oz ai/a	A	601		100	100	80	100	0	100	
PRIME OIL - COC	1 % v/v	A	902		100	100	99	100	0	100	
N-PAK - AMS	2.5 lb ai/a	A									
AUTHORITY XL	2.8 oz ai/a	B									
2,4-D LV 4	8 oz ai/a	B									
ROUNDUP POWERMAX	22 oz ai/a	B									
N-PAK - AMS	2.5 lb ai/a	B									
MARVEL	2.72 oz ai/a	D									
ROUNDUP POWERMAX	22 oz ai/a	D									
N-PAK - AMS	2.5 lb ai/a	D									
Mean =					100	100	95	100	0	100	

	W Weed THLSS Pennycress	W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed	W Weed THLSS Pennycress	GLXMA Soybean PLOT C 5/29/2015 PHYGEN PLOT C 5/29/2015 PHYGEN	W Weed SETFA Giant foxtail
	PLOT [5/7/2015 CONTRO % 1 190 190 190 DA-A -22 DE-1 P 0	PLOT [5/22/2015 CONTRO % 1 205 8 0 DA-C -7 DE-1 P 0	PLOT [5/22/2015 CONTRO % 1 205 8 0 DA-C -7 DE-1 P 0	PLOT [5/22/2015 CONTRO % 1 205 8 0 DA-C -7 DE-1 P 0	PLOT C 5/29/2015 PHYGEN PLOT C 5/29/2015 PHYGEN	PLOT [5/29/2015 CONTRO % 1 212 7 7 DA-C 0 DE-1 P 0
Plot	6	7	8	9	10	11
205	100	100	100	100	0	100
305	100	100	100	100	0	100
604	100	100	75	100	0	100
1004	100	100	85	100	0	100
mean =	100	100	90	100	0	100
301	0*	90	100	100	0	90
304	0	100	100	100	0	100
701	0	100	50	100	0	100
1001	0	100	85	100	0	100
mean =	0	98	84	100	0	98
302	0	0	0	0	0	100
504	0	0	0	0	0	95
801	0*	0	0	0	0	95
1002	0	0	0	0*	0	100
mean =	0	0	0	0	0	98

Purdue Weed Science

Pest Type										
Pest Code										
Pest Name										
Crop Code										
Crop Name										
Part Rated										
Rating Date										
Rating Type										
Rating Unit										
Number of Subsamples										
Days After First/Last Applic.										
Trt-Eval Interval										
Days After Emergence										
ARM Action Codes										
Number of Decimals										
Trt Treatment	Rate	Appl								
No. Name	Rate Unit	Code	Plot	12	13	14	15	16	17	
1 UNTREATED			101	0	0	0	0	0	0	
			405	0	0	0	0	0	0	
			702	0	0	0	0	0	0	
			805	0	0	0	0	0	0	
			Mean =	0	0	0	0	0	0	
2 AUTHORITY MTZ	3.6 oz ai/a A		102	95	0	100	100	0	100	
ROUNDUP POWERMAX	15.1 oz ai/a A		404	90	0	100	99	0	100	
WEEDMASTER	15.5 oz ai/a A		602	90	0	100	95	0	100	
CLARITY	0.25 lb ae/a A		804	90	0	100	95	0	100	
2,4-D LV 4	0.72 lb ae/a A									
PRIME OIL - COC	1 % v/v A									
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY MAXX	4.22 oz ai/a B									
2,4-D LV 4	8 oz ai/a B									
ROUNDUP POWERMAX	22 oz ai/a B									
N-PAK - AMS	2.5 lb ai/a B									
MARVEL	2.72 oz ai/a D									
ROUNDUP POWERMAX	22 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
			Mean =	91	0	100	97	0	100	

W Weed	W Weed
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[illegible]

Pest Type										
Pest Code										
Pest Name										
Crop Code										
Crop Name										
Part Rated										
Rating Date										
Rating Type										
Rating Unit										
Number of Subsamples										
Days After First/Last Applic.										
Trt-Eval Interval										
Days After Emergence										
ARM Action Codes										
Number of Decimals										
Trt Treatment	Rate	Appl								
No. Name	Rate Unit	Code	Plot	12	13	14	15	16	17	
6 AUTHORITY XL	2.24 oz ai/a	A	202	100	0	100	100	0	100	
ROUNDUP POWERMAX	15.1 oz ai/a	A	501	100	0	100	100	0	100	
WEEDMASTER	15.5 oz ai/a	A	802	100	0	100	100	0	99	
PRIME OIL - COC	1 % v/v	A	1005	99	0	100	100	0	100	
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY FIRST DF	2.8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
Mean =				100	0	100	100	0	100	
12 AUTHORITY MTZ	3.6 oz ai/a	A	203	90	0	26*	100	0	70	
ROUNDUP POWERMAX	15.1 oz ai/a	A	403	80	0	30	95	0	50	
WEEDMASTER	15.5 oz ai/a	A	703	90	0	30	80	0	50	
PRIME OIL - COC	1 % v/v	A	903	95	0	10	70	0	30	
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY XL	2.8 oz ai/a	C								
SHARPEN	0.356 oz ai/a	C								
MSO ULTRA	1 % v/v	C								
N-PAK - AMS	2.5 lb ai/a	C								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
Mean =				89	0	24	86	0	50	
7 AUTHORITY XL	2.24 oz ai/a	A	204	100	0	100	100	0	100	
ROUNDUP POWERMAX	15.1 oz ai/a	A	401	100	0	100	100	0	100	
WEEDMASTER	15.5 oz ai/a	A	601	95	0	100	100	0	100	
PRIME OIL - COC	1 % v/v	A	902	100	0	100	100	0	100	
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY XL	2.8 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
Mean =				99	0	100	100	0	100	

Purdue Weed Science

Pest Type										
Pest Code										
Pest Name										
Crop Code										
Crop Name										
Part Rated										
Rating Date										
Rating Type										
Rating Unit										
Number of Subsamples										
Days After First/Last Applic.										
Trt-Eval Interval										
Days After Emergence										
ARM Action Codes										
Number of Decimals										
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	Plot	12	13	14	15	16	17
8 AUTHORITY XL	2.24 oz ai/a	A	205		100	0	100	100	0	100
ROUNDUP POWERMAX	15.1 oz ai/a	A	305		100	0	100	100	0	100
WEEDMASTER	15.5 oz ai/a	A	604		70	0	100	85	0	100
PRIME OIL - COC	1 % v/v	A	1004		95	0	100	95	0	100
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MTZ	5.4 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
ANTHEM	1.34 oz ai/a	D								
MARVEL	1.88 oz ai/a	D								
ROUNDUP POWERMAX	16.5 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
			Mean =		91	0	100	95	0	100
9 AUTHORITY MTZ	3.6 oz ai/a	A	301		100	0	100	99	0	90
ROUNDUP POWERMAX	15.1 oz ai/a	A	304		100	0	100	100	0	100
WEEDMASTER	15.5 oz ai/a	A	701		75	0	100	95	0	95
PRIME OIL - COC	1 % v/v	A	1001		95	0	100	100	0	95
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MAXX	4.22 oz ai/a	B								
SENCOR	3 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
			Mean =		93	0	100	99	0	95
10 AUTHORITY MTZ	3.6 oz ai/a	A	302		100	0	100	100	0	100
ROUNDUP POWERMAX	15.1 oz ai/a	A	504		90	0	100	95	0	90
WEEDMASTER	15.5 oz ai/a	A	801		80	0	50	60	0	80
PRIME OIL - COC	1 % v/v	A	1002		93	0	90	90	0	100
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MAXX	4.22 oz ai/a	C								
SENCOR	3 oz ai/a	C								
GRAMOXONE INTEON	11 oz ai/a	C								
PRIME OIL - COC	1 % v/v	C								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
			Mean =		91	0	85	86	0	93

Purdue Weed Science

Pest Type					W Weed		W Weed		W Weed			
Pest Code					AMBTR		SETFA		AMBTR			
Pest Name					Giant ragweed		Giant foxtail		Giant ragweed			
Crop Code						GLXMA				GLXMA		GLXMA
Crop Name						Soybean				Soybean		Soybean
Part Rated					PLOT [	PLOT C	PLOT [		PLOT [	PLOT C	PLOT C	PLOT C
Rating Date					6/10/2015	6/19/2015	6/19/2015		6/19/2015	6/23/2015	6/28/2015	
Rating Type					CONTRO	PHYGEN	CONTRO		CONTRO	PHYGEN	PHYGEN	
Rating Unit					%	%	%		%	%	%	%
Number of Subsamples					1	1	1		1	1	1	1
Days After First/Last Applic.					224 19	233 28	233 28		233 28	237 3	242 8	
Trt-Eval Interval					19 DA-C	28 DA-C	28 DA-C		28 DA-C	3 DA-D	8 DA-D	
Days After Emergence					12 DE-1	21 DE-1	21 DE-1		21 DE-1	25 DE-1	30 DE-1	
ARM Action Codes					P	P	P		P	P	P	
Number of Decimals					0	0	0		0	0	0	
Trt Treatment	Rate	Appl										
No. Name	Rate	Unit	Code	Plot	18	19	20	21	22	23		
1 UNTREATED			101		0	0	0	0	0	0	0	
			405		0	0	0	0	0	0	0	
			702		0	0	0	0	0	0	0	
			805		0	0	0	0	0	0	0	
			Mean =		0	0	0	0	0	0	0	
2 AUTHORITY MTZ	3.6 oz ai/a	A	102		100	0	90	95	25	10		
ROUNDUP POWERMAX	15.1 oz ai/a	A	404		95	0	95	90	30	15		
WEEDMASTER	15.5 oz ai/a	A	602		85	0	95	80	20	15		
CLARITY	0.25 lb ae/a	A	804		99	0	95	85	25	10		
2,4-D LV 4	0.72 lb ae/a	A										
PRIME OIL - COC	1 % v/v	A										
N-PAK - AMS	2.5 lb ai/a	A										
AUTHORITY MAXX	4.22 oz ai/a	B										
2,4-D LV 4	8 oz ai/a	B										
ROUNDUP POWERMAX	22 oz ai/a	B										
N-PAK - AMS	2.5 lb ai/a	B										
MARVEL	2.72 oz ai/a	D										
ROUNDUP POWERMAX	22 oz ai/a	D										
N-PAK - AMS	2.5 lb ai/a	D										
			Mean =		95	0	94	88	25	13		

Purdue Weed Science

Pest Type										
Pest Code										
Pest Name										
Crop Code										
Crop Name										
Part Rated										
Rating Date										
Rating Type										
Rating Unit										
Number of Subsamples										
Days After First/Last Applic.										
Trt-Eval Interval										
Days After Emergence										
ARM Action Codes										
Number of Decimals										
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code Plot	18	19	20	21	22	23	
11 AUTHORITY XL	2.24 oz ai/a	A	103	90	0	85	70	25	15	
ROUNDUP POWERMAX	15.1 oz ai/a	A	303	99	0	80	100	20	10	
WEEDMASTER	15.5 oz ai/a	A	603	85	0	90	60	20	15	
PRIME OIL - COC	1 % v/v	A	803	85	5	80	65	20	10	
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MTZ	5.4 oz ai/a	C								
GRAMOXONE INTEON	11 oz ai/a	C								
PRIME OIL - COC	1 % v/v	C								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
Mean =				90	1	84	74	21	13	
3 AUTHORITY MTZ	3.6 oz ai/a	A	104	100	0	90	100	20	10	
ROUNDUP POWERMAX	15.1 oz ai/a	A	502	100	0	90	80	30	10	
WEEDMASTER	15.5 oz ai/a	A	704	99	0	30	90	20	10	
PRIME OIL - COC	1 % v/v	A	901	99	0	80	100	15	10	
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY FIRST DF	2.8 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
Mean =				100	0	73	93	21	10	
4 AUTHORITY MTZ	3.6 oz ai/a	A	105	100	0	95	100	20	5	
ROUNDUP POWERMAX	15.1 oz ai/a	A	402	99	0	90	99	25	15	
WEEDMASTER	15.5 oz ai/a	A	605	95	0	85	75	15	5	
PRIME OIL - COC	1 % v/v	A	904	97	0	80	95	20	10	
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY XL	2.8 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
Mean =				98	0	88	92	20	9	
5 AUTHORITY XL	2.24 oz ai/a	A	201	100	5	95	90	30	10	
ROUNDUP POWERMAX	15.1 oz ai/a	A	505	100	0	95	99	15	10	
WEEDMASTER	15.5 oz ai/a	A	705	99	5	90	90	15	10	
PRIME OIL - COC	1 % v/v	A	905	95	0	95	90	15	5	
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MAXX	4.22 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
Mean =				99	3	94	92	19	9	

Pest Type										
Pest Code										
Pest Name										
Crop Code										
Crop Name										
Part Rated										
Rating Date										
Rating Type										
Rating Unit										
Number of Subsamples										
Days After First/Last Applic.										
Trt-Eval Interval										
Days After Emergence										
ARM Action Codes										
Number of Decimals										
Trt Treatment	Rate	Appl								
No. Name	Rate Unit	Code Plot								
6	AUTHORITY XL	2.24 oz ai/a A	202	100	0	95	100	30	10	
	ROUNDUP POWERMAX	15.1 oz ai/a A	501	100	0	95	95	25	10	
	WEEDMASTER	15.5 oz ai/a A	802	99	0	95	97	20	10	
	PRIME OIL - COC	1 % v/v A	1005	100	0	95	95	20	10	
	N-PAK - AMS	2.5 lb ai/a A								
	AUTHORITY FIRST DF	2.8 oz ai/a B								
	ROUNDUP POWERMAX	22 oz ai/a B								
	2,4-D LV 4	8 oz ai/a B								
	N-PAK - AMS	2.5 lb ai/a B								
	MARVEL	2.72 oz ai/a D								
	ROUNDUP POWERMAX	22 oz ai/a D								
	N-PAK - AMS	2.5 lb ai/a D								
	Mean =			100	0	95	97	24	10	
12	AUTHORITY MTZ	3.6 oz ai/a A	203	100	10	10	95	35	15	
	ROUNDUP POWERMAX	15.1 oz ai/a A	403	90	15	0	70	35	20	
	WEEDMASTER	15.5 oz ai/a A	703	50	5	10	83*	15	15	
	PRIME OIL - COC	1 % v/v A	903	45	5	10	83*	10	15	
	N-PAK - AMS	2.5 lb ai/a A								
	AUTHORITY XL	2.8 oz ai/a C								
	SHARPEN	0.356 oz ai/a C								
	MSO ULTRA	1 % v/v C								
	N-PAK - AMS	2.5 lb ai/a C								
	MARVEL	2.72 oz ai/a D								
	ROUNDUP POWERMAX	22 oz ai/a D								
	N-PAK - AMS	2.5 lb ai/a D								
	Mean =			71	9	8	83	24	16	
7	AUTHORITY XL	2.24 oz ai/a A	204	100	5	97	100	30	15	
	ROUNDUP POWERMAX	15.1 oz ai/a A	401	100	5	95	100	20	20	
	WEEDMASTER	15.5 oz ai/a A	601	100	5	95	90	30	15	
	PRIME OIL - COC	1 % v/v A	902	95	0	95	95	20	10	
	N-PAK - AMS	2.5 lb ai/a A								
	AUTHORITY XL	2.8 oz ai/a B								
	2,4-D LV 4	8 oz ai/a B								
	ROUNDUP POWERMAX	22 oz ai/a B								
	N-PAK - AMS	2.5 lb ai/a B								
	MARVEL	2.72 oz ai/a D								
	ROUNDUP POWERMAX	22 oz ai/a D								
	N-PAK - AMS	2.5 lb ai/a D								
	Mean =			99	4	96	96	25	15	

Purdue Weed Science

Pest Type					W Weed		W Weed	W Weed		
Pest Code					AMBTR		SETFA	AMBTR		
Pest Name					Giant ragweed		Giant foxtail	Giant ragweed		
Crop Code						GLXMA			GLXMA	GLXMA
Crop Name						Soybean			Soybean	Soybean
Part Rated					PLOT [	PLOT C	PLOT [	PLOT [	PLOT C	PLOT C
Rating Date					6/10/2015	6/19/2015	6/19/2015	6/19/2015	6/23/2015	6/28/2015
Rating Type					CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	PHYGEN
Rating Unit					%	%	%	%	%	%
Number of Subsamples					1	1	1	1	1	1
Days After First/Last Applic.					224 19	233 28	233 28	233 28	237 3	242 8
Trt-Eval Interval					19 DA-C	28 DA-C	28 DA-C	28 DA-C	3 DA-D	8 DA-D
Days After Emergence					12 DE-1	21 DE-1	21 DE-1	21 DE-1	25 DE-1	30 DE-1
ARM Action Codes					P	P	P	P	P	P
Number of Decimals					0	0	0	0	0	0
Trt Treatment	Rate Appl									
No. Name	Rate	Unit	Code	Plot	18	19	20	21	22	23
8 AUTHORITY XL	2.24 oz ai/a	A		205	100	0	85	95	30	20
ROUNDUP POWERMAX	15.1 oz ai/a	A		305	95	0	80	80	30	20
WEEDMASTER	15.5 oz ai/a	A		604	70	0	30	82*	15	10
PRIME OIL - COC	1 % v/v	A	1004		85	0	85	70	30	20
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MTZ	5.4 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
ANTHEM	1.34 oz ai/a	D								
MARVEL	1.88 oz ai/a	D								
ROUNDUP POWERMAX	16.5 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
			Mean =		88	0	70	82	26	18
9 AUTHORITY MTZ	3.6 oz ai/a	A	301		100	5	98*	100	25	15
ROUNDUP POWERMAX	15.1 oz ai/a	A	304		100	0	95	95	25	15
WEEDMASTER	15.5 oz ai/a	A	701		90	5	90	70	30	10
PRIME OIL - COC	1 % v/v	A	1001		95	10	90	85	30	15
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MAXX	4.22 oz ai/a	B								
SENCOR	3 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
			Mean =		96	5	93	88	28	14
10 AUTHORITY MTZ	3.6 oz ai/a	A	302		100	3	95	100	30	10
ROUNDUP POWERMAX	15.1 oz ai/a	A	504		80	5	85	70	20	15
WEEDMASTER	15.5 oz ai/a	A	801		60	5	60	30	15	15
PRIME OIL - COC	1 % v/v	A	1002		97	0	90	85	25	10
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MAXX	4.22 oz ai/a	C								
SENCOR	3 oz ai/a	C								
GRAMOXONE INTEON	11 oz ai/a	C								
PRIME OIL - COC	1 % v/v	C								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
			Mean =		84	3	83	71	23	13

Purdue Weed Science

Pest Type							
Pest Code							
Pest Name							
Crop Code							
Crop Name							
Part Rated							
Rating Date							
Rating Type							
Rating Unit							
Number of Subsamples							
Days After First/Last Applic.							
Trt-Eval Interval							
Days After Emergence							
ARM Action Codes							
Number of Decimals							
Trt Treatment	Rate	Appl					
No. Name	Rate Unit	Code Plot					
1 UNTREATED		101	24	25	26	27	28
		405	0	0	0	0	0
		702	0	0	0	0	0
		805	0	0	0	0	0
		Mean =	0	0	0	0	0
2 AUTHORITY MTZ	3.6 oz ai/a A	102	100	100	5	100	100
ROUNDUP POWERMAX	15.1 oz ai/a A	404	100	100	10	100	100
WEEDMASTER	15.5 oz ai/a A	602	100	97	10	100	100
CLARITY	0.25 lb ae/a A	804	100	99	5	100	100
2,4-D LV 4	0.72 lb ae/a A						
PRIME OIL - COC	1 % v/v A						
N-PAK - AMS	2.5 lb ai/a A						
AUTHORITY MAXX	4.22 oz ai/a B						
2,4-D LV 4	8 oz ai/a B						
ROUNDUP POWERMAX	22 oz ai/a B						
N-PAK - AMS	2.5 lb ai/a B						
MARVEL	2.72 oz ai/a D						
ROUNDUP POWERMAX	22 oz ai/a D						
N-PAK - AMS	2.5 lb ai/a D						
		Mean =	100	99	8	100	100

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed			
Pest Code	SETFA	AMBTR		SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code			GLXMA			GLXMA		
Crop Name			Soybean			Soybean		
Part Rated	PLOT [	PLOT [	PLOT C	PLOT [	PLOT [	PLOT C		
Rating Date	6/28/2015	6/28/2015	7/3/2015	7/3/2015	7/3/2015	7/23/2015		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Days After First/Last Applic.	242 8	242 8	247 13	247 13	247 13	267 33		
Trt-Eval Interval	8 DA-D	8 DA-D	13 DA-D	13 DA-D	13 DA-D	33 DA-D		
Days After Emergence	30 DE-1	30 DE-1	35 DE-1	35 DE-1	35 DE-1	55 DE-1		
ARM Action Codes	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit Code Plot							
			24	25	26	27	28	29
11 AUTHORITY XL	2.24 oz ai/a A	103	100	95	10	100	99	0
ROUNDUP POWERMAX	15.1 oz ai/a A	303	100	100	10	100	100	0
WEEDMASTER	15.5 oz ai/a A	603	100	95	5	100	99	0
PRIME OIL - COC	1 % v/v A	803	100	97	5	100	99	0
N-PAK - AMS	2.5 lb ai/a A							
AUTHORITY MTZ	5.4 oz ai/a C							
GRAMOXONE INTEON	11 oz ai/a C							
PRIME OIL - COC	1 % v/v C							
MARVEL	2.72 oz ai/a D							
ROUNDUP POWERMAX	22 oz ai/a D							
N-PAK - AMS	2.5 lb ai/a D							
Mean =			100	97	8	100	99	0
3 AUTHORITY MTZ	3.6 oz ai/a A	104	100	100	5	100	100	0
ROUNDUP POWERMAX	15.1 oz ai/a A	502	100	100	5	100	100	0
WEEDMASTER	15.5 oz ai/a A	704	100	100	5	100	100	0
PRIME OIL - COC	1 % v/v A	901	100	100	5	100	100	0
N-PAK - AMS	2.5 lb ai/a A							
AUTHORITY FIRST DF	2.8 oz ai/a B							
2,4-D LV 4	8 oz ai/a B							
ROUNDUP POWERMAX	22 oz ai/a B							
N-PAK - AMS	2.5 lb ai/a B							
MARVEL	2.72 oz ai/a D							
ROUNDUP POWERMAX	22 oz ai/a D							
N-PAK - AMS	2.5 lb ai/a D							
Mean =			100	100	5	100	100	0
4 AUTHORITY MTZ	3.6 oz ai/a A	105	100	100	5	100	100	0
ROUNDUP POWERMAX	15.1 oz ai/a A	402	100	100	5	100	100	0
WEEDMASTER	15.5 oz ai/a A	605	100	97	5	100	100	0
PRIME OIL - COC	1 % v/v A	904	100	100	5	100	100	0
N-PAK - AMS	2.5 lb ai/a A							
AUTHORITY XL	2.8 oz ai/a B							
2,4-D LV 4	8 oz ai/a B							
ROUNDUP POWERMAX	22 oz ai/a B							
N-PAK - AMS	2.5 lb ai/a B							
MARVEL	2.72 oz ai/a D							
ROUNDUP POWERMAX	22 oz ai/a D							
N-PAK - AMS	2.5 lb ai/a D							
Mean =			100	99	5	100	100	0
5 AUTHORITY XL	2.24 oz ai/a A	201	100	100	10	100	100	0
ROUNDUP POWERMAX	15.1 oz ai/a A	505	100	100	10	100	100	0
WEEDMASTER	15.5 oz ai/a A	705	100	99	5	100	100	0
PRIME OIL - COC	1 % v/v A	905	100	100	10	100	100	0
N-PAK - AMS	2.5 lb ai/a A							
AUTHORITY MAXX	4.22 oz ai/a B							
2,4-D LV 4	8 oz ai/a B							
ROUNDUP POWERMAX	22 oz ai/a B							
N-PAK - AMS	2.5 lb ai/a B							
MARVEL	2.72 oz ai/a D							
ROUNDUP POWERMAX	22 oz ai/a D							
N-PAK - AMS	2.5 lb ai/a D							
Mean =			100	100	9	100	100	0

Purdue Weed Science

Pest Type									
Pest Code									
Pest Name									
Crop Code									
Crop Name									
Part Rated									
Rating Date									
Rating Type									
Rating Unit									
Number of Subsamples									
Days After First/Last Applic.									
Trt-Eval Interval									
Days After Emergence									
ARM Action Codes									
Number of Decimals									
W Weed SETFA Giant foxtail									
W Weed AMBTR Giant ragweed									
GLXMA Soybean PLOT C									
W Weed SETFA Giant foxtail									
W Weed AMBTR Giant ragweed									
GLXMA Soybean PLOT C									
PLOT [6/28/2015 CONTRO									
PLOT [6/28/2015 CONTRO									
PLOT C 7/3/2015 PHYGEN									
PLOT [7/3/2015 CONTRO									
PLOT [7/3/2015 CONTRO									
PLOT C 7/23/2015 PHYGEN									
%									
%									
%									
%									
%									
%									
1									
1									
1									
1									
1									
1									
242 8									
242 8									
247 13									
247 13									
247 13									
247 13									
247 13									
247 13									
267 33									
267 33									
33 DA-D									
33 DA-D									
33 DA-D									
33 DA-D									
33 DA-D									
33 DA-D									
35 DE-1									
35 DE-1									
35 DE-1									
35 DE-1									
35 DE-1									
35 DE-1									
55 DE-1									
55 DE-1									
55 DE-1									
55 DE-1									
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55 DE-1									
P									
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P									
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0									
0									
0									
0									
0									
0									
0									
Trt Treatment									
Rate									
Appl									
No. Name									
Rate									
Unit									
Code									
Plot									
24									
25									
26									
27									
28									
29									
6 AUTHORITY XL	2.24 oz ai/a	A	202	100	100	5	100	100	0
ROUNDUP POWERMAX	15.1 oz ai/a	A	501	100	100	5	100	100	0
WEEDMASTER	15.5 oz ai/a	A	802	100	100	5	100	100	0
PRIME OIL - COC	1 % v/v	A	1005	100	100	5	100	100	0
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY FIRST DF	2.8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =				100	100	5	100	100	0
12 AUTHORITY MTZ	3.6 oz ai/a	A	203	100	100	10	100	100	10
ROUNDUP POWERMAX	15.1 oz ai/a	A	403	100	100	10	100	100	5
WEEDMASTER	15.5 oz ai/a	A	703	100	97	10	100	99	0
PRIME OIL - COC	1 % v/v	A	903	99	92	5	100	95	0
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY XL	2.8 oz ai/a	C							
SHARPEN	0.356 oz ai/a	C							
MSO ULTRA	1 % v/v	C							
N-PAK - AMS	2.5 lb ai/a	C							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =				100	97	9	100	99	4
7 AUTHORITY XL	2.24 oz ai/a	A	204	100	100	5	100	100	0
ROUNDUP POWERMAX	15.1 oz ai/a	A	401	100	100	5	100	100	0
WEEDMASTER	15.5 oz ai/a	A	601	100	100	10	100	100	0
PRIME OIL - COC	1 % v/v	A	902	100	99	5	100	100	0
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY XL	2.8 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =				100	100	6	100	100	0

Purdue Weed Science

Pest Type					W Weed	W Weed		W Weed	W Weed	
Pest Code					SETFA	AMBTR		SETFA	AMBTR	
Pest Name					Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed	
Crop Code							GLXMA			GLXMA
Crop Name							Soybean			Soybean
Part Rated					PLOT [	PLOT [	PLOT C	PLOT [	PLOT [	PLOT C
Rating Date					6/28/2015	6/28/2015	7/3/2015	7/3/2015	7/3/2015	7/23/2015
Rating Type					CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN
Rating Unit					%	%	%	%	%	%
Number of Subsamples					1	1	1	1	1	1
Days After First/Last Applic.					242 8	242 8	247 13	247 13	247 13	267 33
Trt-Eval Interval					8 DA-D	8 DA-D	13 DA-D	13 DA-D	13 DA-D	33 DA-D
Days After Emergence					30 DE-1	30 DE-1	35 DE-1	35 DE-1	35 DE-1	55 DE-1
ARM Action Codes					P	P	P	P	P	P
Number of Decimals					0	0	0	0	0	0
Trt Treatment	Rate	Appl								
No. Name	Rate Unit Code Plot		24	25	26	27	28	29		
8 AUTHORITY XL	2.24 oz ai/a A	205	100	100	10	100	100	0		
ROUNDUP POWERMAX	15.1 oz ai/a A	305	100	100	5	100	100	0		
WEEDMASTER	15.5 oz ai/a A	604	100	95	10	100	95	0		
PRIME OIL - COC	1 % v/v A	1004	100	99	5	100	100	0		
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY MTZ	5.4 oz ai/a B									
2,4-D LV 4	8 oz ai/a B									
ROUNDUP POWERMAX	22 oz ai/a B									
N-PAK - AMS	2.5 lb ai/a B									
ANTHEM	1.34 oz ai/a D									
MARVEL	1.88 oz ai/a D									
ROUNDUP POWERMAX	16.5 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
Mean =			100	99	8	100	99	0		
9 AUTHORITY MTZ	3.6 oz ai/a A	301	100	99	10	100	100	0		
ROUNDUP POWERMAX	15.1 oz ai/a A	304	100	100	10	100	100	0		
WEEDMASTER	15.5 oz ai/a A	701	100	99	15	100	100	0		
PRIME OIL - COC	1 % v/v A	1001	100	99	15	100	100	0		
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY MAXX	4.22 oz ai/a B									
SENCOR	3 oz ai/a B									
2,4-D LV 4	8 oz ai/a B									
ROUNDUP POWERMAX	22 oz ai/a B									
N-PAK - AMS	2.5 lb ai/a B									
MARVEL	2.72 oz ai/a D									
ROUNDUP POWERMAX	22 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
Mean =			100	99	13	100	100	0		
10 AUTHORITY MTZ	3.6 oz ai/a A	302	100	100	5	100	100	0		
ROUNDUP POWERMAX	15.1 oz ai/a A	504	100	95	5	100	100	0		
WEEDMASTER	15.5 oz ai/a A	801	100	85	5	100	90	0		
PRIME OIL - COC	1 % v/v A	1002	100	100	5	100	99	0		
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY MAXX	4.22 oz ai/a C									
SENCOR	3 oz ai/a C									
GRAMOXONE INTEON	11 oz ai/a C									
PRIME OIL - COC	1 % v/v C									
MARVEL	2.72 oz ai/a D									
ROUNDUP POWERMAX	22 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
Mean =			100	95	5	100	97	0		

Purdue Weed Science

Pest Type					W Weed	W Weed			
Pest Code					SETFA	AMBTR			
Pest Name					Giant foxtail	Giant ragweed			
Crop Code							GLXMA	GLXMA	GLXMA
Crop Name							Soybean	Soybean	Soybean
Part Rated					PLOT [	PLOT [	PLOT C	PLOT C	PLOT C
Rating Date					7/23/2015	7/23/2015	9/28/2015	9/28/2015	9/28/2015
Rating Type					CONTRO	CONTRO	YIELD	MOICON	YIELD
Rating Unit					%	%	lb/plot	%	BU
Number of Subsamples					1	1	1	1	1
Days After First/Last Applic.					267 33	267 33	334 100	334 100	334 100
Trt-Eval Interval					33 DA-D	33 DA-D			
Days After Emergence					55 DE-1	55 DE-1	122 DE-1	122 DE-1	122 DE-1
ARM Action Codes					P	P			TY1
Number of Decimals					0	0	2	2	1
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	Plot	30	31	32	33	34
1 UNTREATED				101	0	0	1.14	1.29	3.8
				405	0	0	0.81	0.51	2.7
				702	0	0	9.09	17.76	25.0
				805	0	0	0.86	0.54	2.9
			Mean =		0	0	2.98	5.02	8.6
2 AUTHORITY MTZ	3.6 oz ai/a	A		102	100	100	24.08	14.34	68.9
ROUNDUP POWERMAX	15.1 oz ai/a	A		404	100	100	18.79	12.63	54.8
WEEDMASTER	15.5 oz ai/a	A		602	100	100	18.60	13.93	53.4
CLARITY	0.25 lb ae/a	A		804	100	100	17.02	12.96	49.4
2,4-D LV 4	0.72 lb ae/a	A							
PRIME OIL - COC	1 % v/v	A							
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY MAXX	4.22 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
			Mean =		100	100	19.62	13.47	56.6

Purdue Weed Science

Pest Type									
Pest Code									
Pest Name									
Crop Code									
Crop Name									
Part Rated									
Rating Date									
Rating Type									
Rating Unit									
Number of Subsamples									
Days After First/Last Applic.									
Trt-Eval Interval									
Days After Emergence									
ARM Action Codes									
Number of Decimals									
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	Plot	30	31	32	33	34
11 AUTHORITY XL	2.24 oz ai/a	A	103		100	100	21.29	13.31	61.6
ROUNDUP POWERMAX	15.1 oz ai/a	A	303		100	100	21.50	12.80	62.6
WEEDMASTER	15.5 oz ai/a	A	603		100	100	19.14	14.39	54.7
PRIME OIL - COC	1 % v/v	A	803		100	100	18.39	13.16	53.3
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY MTZ	5.4 oz ai/a	C							
GRAMOXONE INTEON	11 oz ai/a	C							
PRIME OIL - COC	1 % v/v	C							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					100	100	20.08	13.42	58.0
3 AUTHORITY MTZ	3.6 oz ai/a	A	104		100	100	21.21	12.93	61.6
ROUNDUP POWERMAX	15.1 oz ai/a	A	502		100	100	18.87	13.80	54.3
WEEDMASTER	15.5 oz ai/a	A	704		100	100	18.31	13.04	53.1
PRIME OIL - COC	1 % v/v	A	901		100	100	20.00	13.46	57.8
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY FIRST DF	2.8 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					100	100	19.60	13.31	56.7
4 AUTHORITY MTZ	3.6 oz ai/a	A	105		100	100	22.92	13.12	66.5
ROUNDUP POWERMAX	15.1 oz ai/a	A	402		100	100	18.71	13.46	54.0
WEEDMASTER	15.5 oz ai/a	A	605		100	100	21.80	12.73	63.5
PRIME OIL - COC	1 % v/v	A	904		100	100	21.26	13.34	61.5
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY XL	2.8 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					100	100	21.17	13.16	61.4
5 AUTHORITY XL	2.24 oz ai/a	A	201		100	100	20.86	13.94	59.9
ROUNDUP POWERMAX	15.1 oz ai/a	A	505		100	100	19.65	12.53	57.4
WEEDMASTER	15.5 oz ai/a	A	705		100	100	19.54	12.51	57.1
PRIME OIL - COC	1 % v/v	A	905		100	100	19.65	13.18	56.9
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY MAXX	4.22 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					100	100	19.92	13.04	57.8

Purdue Weed Science

Pest Type									
Pest Code									
Pest Name									
Crop Code									
Crop Name									
Part Rated									
Rating Date									
Rating Type									
Rating Unit									
Number of Subsamples									
Days After First/Last Applic.									
Trt-Eval Interval									
Days After Emergence									
ARM Action Codes									
Number of Decimals									
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	Plot	30	31	32	33	34
6 AUTHORITY XL	2.24 oz ai/a	A	202		100	100	24.30	13.45	70.2
ROUNDUP POWERMAX	15.1 oz ai/a	A	501		100	100	19.46	13.75	56.0
WEEDMASTER	15.5 oz ai/a	A	802		100	100	17.42	13.88	50.1
PRIME OIL - COC	1 % v/v	A	1005		100	100	20.35	12.40	59.5
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY FIRST DF	2.8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					100	100	20.38	13.37	58.9
12 AUTHORITY MTZ	3.6 oz ai/a	A	203		100	100	17.74	13.04	51.5
ROUNDUP POWERMAX	15.1 oz ai/a	A	403		100	100	20.70	12.90	60.2
WEEDMASTER	15.5 oz ai/a	A	703		100	95	19.57	12.97	56.8
PRIME OIL - COC	1 % v/v	A	903		100	95	16.86	13.41	48.7
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY XL	2.8 oz ai/a	C							
SHARPEN	0.356 oz ai/a	C							
MSO ULTRA	1 % v/v	C							
N-PAK - AMS	2.5 lb ai/a	C							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					100	98	18.72	13.08	54.3
7 AUTHORITY XL	2.24 oz ai/a	A	204		100	100	19.22	12.50	56.1
ROUNDUP POWERMAX	15.1 oz ai/a	A	401		100	100	19.03	13.69	54.8
WEEDMASTER	15.5 oz ai/a	A	601		100	100	17.36	13.51	50.1
PRIME OIL - COC	1 % v/v	A	902		100	100	18.92	13.57	54.6
N-PAK - AMS	2.5 lb ai/a	A							
AUTHORITY XL	2.8 oz ai/a	B							
2,4-D LV 4	8 oz ai/a	B							
ROUNDUP POWERMAX	22 oz ai/a	B							
N-PAK - AMS	2.5 lb ai/a	B							
MARVEL	2.72 oz ai/a	D							
ROUNDUP POWERMAX	22 oz ai/a	D							
N-PAK - AMS	2.5 lb ai/a	D							
Mean =					100	100	18.63	13.32	53.9

Purdue Weed Science

Pest Type	W Weed	W Weed			
Pest Code	SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed			
Crop Code			GLXMA	GLXMA	GLXMA
Crop Name			Soybean	Soybean	Soybean
Part Rated			PLOT C	PLOT C	PLOT C
Rating Date	PLOT [	PLOT [	9/28/2015	9/28/2015	9/28/2015
Rating Type	7/23/2015	7/23/2015	YIELD	MOICON	YIELD
Rating Unit	CONTO	CONTO	lb/plot	%	BU
Number of Subsamples	%	%	1	1	1
Days After First/Last Applic.	1	1	334	334	334
Trt-Eval Interval	267 33	267 33	100	100	100
Days After Emergence	33 DA-D	33 DA-D			
ARM Action Codes	55 DE-1	55 DE-1	122 DE-1	122 DE-1	122 DE-1
Number of Decimals	P	P			TY1
	0	0	2	2	1
Trt Treatment	Rate	Appl			
No. Name	Rate Unit Code Plot		30	31	32
8 AUTHORITY XL	2.24 oz ai/a A 205		100	100	19.81
ROUNDUP POWERMAX	15.1 oz ai/a A 305		100	100	20.78
WEEDMASTER	15.5 oz ai/a A 604		100	95	22.12
PRIME OIL - COC	1 % v/v A 1004		100	100	16.75
N-PAK - AMS	2.5 lb ai/a A				13.73
AUTHORITY MTZ	5.4 oz ai/a B				
2,4-D LV 4	8 oz ai/a B				
ROUNDUP POWERMAX	22 oz ai/a B				
N-PAK - AMS	2.5 lb ai/a B				
ANTHEM	1.34 oz ai/a D				
MARVEL	1.88 oz ai/a D				
ROUNDUP POWERMAX	16.5 oz ai/a D				
N-PAK - AMS	2.5 lb ai/a D				
Mean =			100	99	19.86
9 AUTHORITY MTZ	3.6 oz ai/a A 301		95	100	20.00
ROUNDUP POWERMAX	15.1 oz ai/a A 304		100	100	21.10
WEEDMASTER	15.5 oz ai/a A 701		100	100	20.43
PRIME OIL - COC	1 % v/v A 1001		100	100	21.99
N-PAK - AMS	2.5 lb ai/a A				13.28
AUTHORITY MAXX	4.22 oz ai/a B				
SENCOR	3 oz ai/a B				
2,4-D LV 4	8 oz ai/a B				
ROUNDUP POWERMAX	22 oz ai/a B				
N-PAK - AMS	2.5 lb ai/a B				
MARVEL	2.72 oz ai/a D				
ROUNDUP POWERMAX	22 oz ai/a D				
N-PAK - AMS	2.5 lb ai/a D				
Mean =			99	100	20.88
10 AUTHORITY MTZ	3.6 oz ai/a A 302		99	100	19.19
ROUNDUP POWERMAX	15.1 oz ai/a A 504		100	100	19.11
WEEDMASTER	15.5 oz ai/a A 801		100	90	20.70
PRIME OIL - COC	1 % v/v A 1002		100	99	19.03
N-PAK - AMS	2.5 lb ai/a A				13.47
AUTHORITY MAXX	4.22 oz ai/a C				
SENCOR	3 oz ai/a C				
GRAMOXONE INTEON	11 oz ai/a C				
PRIME OIL - COC	1 % v/v C				
MARVEL	2.72 oz ai/a D				
ROUNDUP POWERMAX	22 oz ai/a D				
N-PAK - AMS	2.5 lb ai/a D				
Mean =			100	97	19.51

Purdue Weed Science

2013/SOYBEAN/AUTHORITY XL/AUTHORITY MAXX/AUTHORITY MTZ/SPLIT/PURDUE

Trial ID: 14F-THP-NTS-71-Updated Location: Throckmorton Trial Year:
 Protocol ID: 13F-THP-NTS-71 3 Investigator: Dr. Bill Johnson
 Project ID: Study Director:
 Sponsor Contact: FMC - Joe Reed

Pest Type

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

Pest Code

BROSS, Bromus sp., = US

TAROF, Taraxacum officinale, = US

THLSS, Thlaspi sp., = US

SETFA, Setaria faberi, = US

AMBTR, Ambrosia trifida, = US

Crop Code

GLXMA, BSOY, Glycine max, = US

Part Rated

PLOT = plot

C = Crop is Part Rated

Rating Type

GROUND = groundcover

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 = $2.904 \times [32] \times (100 - [33]) / 87$

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code		BROSS	TAROF	BROSS	TAROF	THLSS
Pest Name		Bromegrass	Common dandelion	Bromegrass	Common dandelion	Pennycress
Crop Code						
Crop Name						
Part Rated						
Rating Date	PLOT - 12/3/2014	PLOT [4/14/2015	PLOT [4/14/2015	PLOT [5/7/2015	PLOT [5/7/2015	PLOT [5/7/2015
Rating Type	GROUND	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	35 35	167 167	167 167	190 190	190 190	190 190
Trt-Eval Interval	35 DA-A	167 DA-A	167 DA-A	190 DA-A	190 DA-A	190 DA-A
Days After Emergence	-177 DE-1	-45 DE-1	-45 DE-1	-22 DE-1	-22 DE-1	-22 DE-1
ARM Action Codes	P	P	P	P	P	P
Number of Decimals	0	0	0	0	0	0
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate
No. Name	Unit	Unit	Unit	Unit	Unit	Unit
	Code	Code	Code	Code	Code	Code
1 UNTREATED	1	2	3	4	5	6
	0 c	0 c	0 b	0 f	0 c	0 b
2 AUTHORITY MTZ	3.6 oz ai/a A	96 ab	100 a	91 b-e	100 b	0 b
ROUNDUP POWERMAX	15.1 oz ai/a A					
WEEDMASTER	15.5 oz ai/a A					
CLARITY	0.25 lb ae/a A					
2,4-D LV 4	0.72 lb ae/a A					
PRIME OIL - COC	1 % v/v A					
N-PAK - AMS	2.5 lb ai/a A					
AUTHORITY MAXX	4.22 oz ai/a B					
2,4-D LV 4	8 oz ai/a B					
ROUNDUP POWERMAX	22 oz ai/a B					
N-PAK - AMS	2.5 lb ai/a B					
MARVEL	2.72 oz ai/a D					
ROUNDUP POWERMAX	22 oz ai/a D					
N-PAK - AMS	2.5 lb ai/a D					

Purdue Weed Science

Pest Type		W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code			BROSS	TAROF	BROSS	TAROF	THLSS
Pest Name			Bromegrass	Common dandelion	Bromegrass	Common dandelion	Pennycress
Crop Code							
Crop Name							
Part Rated							
Rating Date		PLOT - 12/3/2014	PLOT [4/14/2015	PLOT [4/14/2015	PLOT [5/7/2015	PLOT [5/7/2015	PLOT [5/7/2015
Rating Type		GROUND	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%	%	%
Number of Subsamples		1	1	1	1	1	1
Days After First/Last Applic.		35 35	167 167	167 167	190 190	190 190	190 190
Trt-Eval Interval		35 DA-A	167 DA-A	167 DA-A	190 DA-A	190 DA-A	190 DA-A
Days After Emergence		-177 DE-1	-45 DE-1	-45 DE-1	-22 DE-1	-22 DE-1	-22 DE-1
ARM Action Codes		P	P	P	P	P	P
Number of Decimals		0	0	0	0	0	0
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate
No. Name	Unit	Unit	Unit	Unit	Unit	Unit	Unit
	Code						
11	AUTHORITY XL	2.24 oz ai/a A	85 b	99 a	100 a	100 a	100 a
	ROUNDUP POWERMAX	15.1 oz ai/a A					
	WEEDMASTER	15.5 oz ai/a A					
	PRIME OIL - COC	1 % v/v A					
	N-PAK - AMS	2.5 lb ai/a A					
	AUTHORITY MTZ	5.4 oz ai/a C					
	GRAMOXONE INTEON	11 oz ai/a C					
	PRIME OIL - COC	1 % v/v C					
	MARVEL	2.72 oz ai/a D					
	ROUNDUP POWERMAX	22 oz ai/a D					
	N-PAK - AMS	2.5 lb ai/a D					
3	AUTHORITY MTZ	3.6 oz ai/a A	92 ab	96 ab	100 a	91 b-e	100 a
	ROUNDUP POWERMAX	15.1 oz ai/a A					
	WEEDMASTER	15.5 oz ai/a A					
	PRIME OIL - COC	1 % v/v A					
	N-PAK - AMS	2.5 lb ai/a A					
	AUTHORITY FIRST DF	2.8 oz ai/a B					
	2,4-D LV 4	8 oz ai/a B					
	ROUNDUP POWERMAX	22 oz ai/a B					
	N-PAK - AMS	2.5 lb ai/a B					
	MARVEL	2.72 oz ai/a D					
	ROUNDUP POWERMAX	22 oz ai/a D					
	N-PAK - AMS	2.5 lb ai/a D					
4	AUTHORITY MTZ	3.6 oz ai/a A	91 ab	92 b	100 a	88 de	100 a
	ROUNDUP POWERMAX	15.1 oz ai/a A					
	WEEDMASTER	15.5 oz ai/a A					
	PRIME OIL - COC	1 % v/v A					
	N-PAK - AMS	2.5 lb ai/a A					
	AUTHORITY XL	2.8 oz ai/a B					
	2,4-D LV 4	8 oz ai/a B					
	ROUNDUP POWERMAX	22 oz ai/a B					
	N-PAK - AMS	2.5 lb ai/a B					
	MARVEL	2.72 oz ai/a D					
	ROUNDUP POWERMAX	22 oz ai/a D					
	N-PAK - AMS	2.5 lb ai/a D					
5	AUTHORITY XL	2.24 oz ai/a A	95 a	96 ab	100 a	96 abc	100 a
	ROUNDUP POWERMAX	15.1 oz ai/a A					
	WEEDMASTER	15.5 oz ai/a A					
	PRIME OIL - COC	1 % v/v A					
	N-PAK - AMS	2.5 lb ai/a A					
	AUTHORITY MAXX	4.22 oz ai/a B					
	2,4-D LV 4	8 oz ai/a B					
	ROUNDUP POWERMAX	22 oz ai/a B					
	N-PAK - AMS	2.5 lb ai/a B					
	MARVEL	2.72 oz ai/a D					
	ROUNDUP POWERMAX	22 oz ai/a D					
	N-PAK - AMS	2.5 lb ai/a D					

Purdue Weed Science

Pest Type		W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code			BROSS	TAROF	BROSS	TAROF	THLSS
Pest Name			Bromegrass	Common dandelion	Bromegrass	Common dandelion	Pennycress
Crop Code							
Crop Name							
Part Rated							
Rating Date		PLOT - 12/3/2014	PLOT [4/14/2015	PLOT [4/14/2015	PLOT [5/7/2015	PLOT [5/7/2015	PLOT [5/7/2015
Rating Type		GROUND	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%	%	%
Number of Subsamples		1	1	1	1	1	1
Days After First/Last Applic.		35 35	167 167	167 167	190 190	190 190	190 190
Trt-Eval Interval		35 DA-A	167 DA-A	167 DA-A	190 DA-A	190 DA-A	190 DA-A
Days After Emergence		-177 DE-1	-45 DE-1	-45 DE-1	-22 DE-1	-22 DE-1	-22 DE-1
ARM Action Codes		P	P	P	P	P	P
Number of Decimals		0	0	0	0	0	0
Trt Treatment							
No. Name	Rate Unit Appl Code	1	2	3	4	5	6
6 AUTHORITY XL	2.24 oz ai/a A	90 ab	99 a	100 a	99 ab	100 a	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A						
WEEDMASTER	15.5 oz ai/a A						
PRIME OIL - COC	1 % v/v A						
N-PAK - AMS	2.5 lb ai/a A						
AUTHORITY FIRST DF	2.8 oz ai/a B						
ROUNDUP POWERMAX	22 oz ai/a B						
2,4-D LV 4	8 oz ai/a B						
N-PAK - AMS	2.5 lb ai/a B						
MARVEL	2.72 oz ai/a D						
ROUNDUP POWERMAX	22 oz ai/a D						
N-PAK - AMS	2.5 lb ai/a D						
12 AUTHORITY MTZ	3.6 oz ai/a A	93 ab	96 ab	100 a	88 de	100 a	0 b
ROUNDUP POWERMAX	15.1 oz ai/a A						
WEEDMASTER	15.5 oz ai/a A						
PRIME OIL - COC	1 % v/v A						
N-PAK - AMS	2.5 lb ai/a A						
AUTHORITY XL	2.8 oz ai/a C						
SHARPEN	0.356 oz ai/a C						
MSO ULTRA	1 % v/v C						
N-PAK - AMS	2.5 lb ai/a C						
MARVEL	2.72 oz ai/a D						
ROUNDUP POWERMAX	22 oz ai/a D						
N-PAK - AMS	2.5 lb ai/a D						
7 AUTHORITY XL	2.24 oz ai/a A	90 ab	99 a	100 a	98 abc	100 a	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A						
WEEDMASTER	15.5 oz ai/a A						
PRIME OIL - COC	1 % v/v A						
N-PAK - AMS	2.5 lb ai/a A						
AUTHORITY XL	2.8 oz ai/a B						
2,4-D LV 4	8 oz ai/a B						
ROUNDUP POWERMAX	22 oz ai/a B						
N-PAK - AMS	2.5 lb ai/a B						
MARVEL	2.72 oz ai/a D						
ROUNDUP POWERMAX	22 oz ai/a D						
N-PAK - AMS	2.5 lb ai/a D						
8 AUTHORITY XL	2.24 oz ai/a A	93 ab	99 a	100 a	95 a-d	100 a	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A						
WEEDMASTER	15.5 oz ai/a A						
PRIME OIL - COC	1 % v/v A						
N-PAK - AMS	2.5 lb ai/a A						
AUTHORITY MTZ	5.4 oz ai/a B						
2,4-D LV 4	8 oz ai/a B						
ROUNDUP POWERMAX	22 oz ai/a B						
N-PAK - AMS	2.5 lb ai/a B						
ANTHEM	1.34 oz ai/a D						
MARVEL	1.88 oz ai/a D						
ROUNDUP POWERMAX	16.5 oz ai/a D						
N-PAK - AMS	2.5 lb ai/a D						

Purdue Weed Science

Pest Type				W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code					BROSS	TAROF	BROSS	TAROF	THLSS
Pest Name					Bromegrass	Common dandelion	Bromegrass	Common dandelion	Pennycress
Crop Code									
Crop Name									
Part Rated				PLOT -	PLOT [	PLOT [	PLOT [	PLOT [	PLOT [
Rating Date				12/3/2014	4/14/2015	4/14/2015	5/7/2015	5/7/2015	5/7/2015
Rating Type				GROUND	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit				%	%	%	%	%	%
Number of Subsamples				1	1	1	1	1	1
Days After First/Last Applic.				35 35	167 167	167 167	190 190	190 190	190 190
Trt-Eval Interval				35 DA-A	167 DA-A	167 DA-A	190 DA-A	190 DA-A	190 DA-A
Days After Emergence				-177 DE-1	-45 DE-1	-45 DE-1	-22 DE-1	-22 DE-1	-22 DE-1
ARM Action Codes				P	P	P	P	P	P
Number of Decimals				0	0	0	0	0	0
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code		1	2	3	4	5	6
9 AUTHORITY MTZ	3.6 oz ai/a A			91 ab	95 ab	100 a	90 cde	100 a	0 b
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY MAXX	4.22 oz ai/a B								
SENCOR	3 oz ai/a B								
2,4-D LV 4	8 oz ai/a B								
ROUNDUP POWERMAX	22 oz ai/a B								
N-PAK - AMS	2.5 lb ai/a B								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
10 AUTHORITY MTZ	3.6 oz ai/a A			96 a	98 ab	100 a	85 e	100 a	0 b
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY MAXX	4.22 oz ai/a C								
SENCOR	3 oz ai/a C								
GRAMOXONE INTEON	11 oz ai/a C								
PRIME OIL - COC	1 % v/v C								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
LSD P=.05				9.0	6.1	.	8.2	0.2	.
Standard Deviation				6.2	4.3	0.0	5.7	0.1	0.0
CV				7.44	4.81	0.0	6.69	0.16	0.0
Bartlett's X2				14.847	15.953	0.0	5.44	0.0	0.0
P(Bartlett's X2)				0.138	0.101	.	0.794	.	.
Skewness				-2.7938*	-2.9736*	-3.1133*	-2.7517*	-3.0725*	0.2721
Kurtosis				6.7131*	7.4537*	8.0253*	6.5061*	7.7698*	-2.0156*
Replicate F				3.374	2.385	0.000	0.474	0.970	0.000
Replicate Prob(F)				0.0299	0.0869	1.0000	0.7025	0.4191	1.0000
Treatment F				72.386	172.201	0.000	91.404	155081.977	0.000
Treatment Prob(F)				0.0001	0.0001	1.0000	0.0001	0.0001	1.0000

Purdue Weed Science

Pest Type Pest Code Pest Name	W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed	W Weed THLSS Pennycress		W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed				
Crop Code Crop Name Part Rated Rating Date	PLOT [5/22/2015	PLOT [5/22/2015	PLOT [5/22/2015	GLXMA Soybean PLOT C 5/29/2015	PLOT [5/29/2015	PLOT [5/29/2015	GLXMA Soybean PLOT C 6/4/2015			
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Days After First/Last Applic.	205 8	205 8	205 8	212 7	212 7	212 7	218 13			
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	7 DA-C	7 DA-C	7 DA-C	13 DA-C			
Days After Emergence	-7 DE-1	-7 DE-1	-7 DE-1	0 DE-1	0 DE-1	0 DE-1	6 DE-1			
ARM Action Codes	P	P	P	P	P	P	P			
Number of Decimals	0	0	0	0	0	0	0			
Trt Treatment No. Name	Rate Rate	Unit Unit	Appl Code	7	8	9	10	11	12	13
1 UNTREATED				0 c	0 c	0 c	0 a	0 c	0 c	0 a
2 AUTHORITY MTZ ROUNDUP POWERMAX WEEDMASTER CLARITY 2,4-D LV 4 PRIME OIL - COC N-PAK - AMS AUTHORITY MAXX 2,4-D LV 4 ROUNDUP POWERMAX N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	3.6 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 0.25 lb ae/a A 0.72 lb ae/a A 1 % v/v A 2.5 lb ai/a A 4.22 oz ai/a B 8 oz ai/a B 22 oz ai/a B 2.5 lb ai/a B 2.72 oz ai/a D 22 oz ai/a D 2.5 lb ai/a D			100 a	65 b	100 a	0 a	100 a	91 ab	0 a

Purdue Weed Science

Pest Type	W Weed	W Weed	W Weed		W Weed	W Weed			
Pest Code	SETFA	AMBTR	THLSS		SETFA	AMBTR			
Pest Name	Giant foxtail	Giant ragweed	Pennycress		Giant foxtail	Giant ragweed			
Crop Code				GLXMA			GLXMA		
Crop Name				Soybean			Soybean		
Part Rated				PLOT C			PLOT C		
Rating Date	PLOT [5/22/2015	PLOT [5/22/2015	PLOT [5/22/2015	5/29/2015	PLOT [5/29/2015	PLOT [5/29/2015	6/4/2015		
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN		
Rating Unit	%	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1	1		
Days After First/Last Applic.	205 8	205 8	205 8	212 7	212 7	212 7	218 13		
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	7 DA-C	7 DA-C	7 DA-C	13 DA-C		
Days After Emergence	-7 DE-1	-7 DE-1	-7 DE-1	0 DE-1	0 DE-1	0 DE-1	6 DE-1		
ARM Action Codes	P	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0	0		
Trt Treatment	Rate	Appl							
No. Name	Rate Unit Code		7	8	9	10	11	12	13
11 AUTHORITY XL	2.24 oz ai/a A		0 c	0 c	100 a	0 a	100 a	91 ab	0 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY MTZ	5.4 oz ai/a C								
GRAMOXONE INTEON	11 oz ai/a C								
PRIME OIL - COC	1 % v/v C								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
3 AUTHORITY MTZ	3.6 oz ai/a A		100 a	84 a	100 a	0 a	99 a	89 b	0 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY FIRST DF	2.8 oz ai/a B								
2,4-D LV 4	8 oz ai/a B								
ROUNDUP POWERMAX	22 oz ai/a B								
N-PAK - AMS	2.5 lb ai/a B								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
4 AUTHORITY MTZ	3.6 oz ai/a A		100 a	90 a	99 b	0 a	100 a	94 ab	0 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY XL	2.8 oz ai/a B								
2,4-D LV 4	8 oz ai/a B								
ROUNDUP POWERMAX	22 oz ai/a B								
N-PAK - AMS	2.5 lb ai/a B								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
5 AUTHORITY XL	2.24 oz ai/a A		100 a	90 a	100 a	0 a	100 a	98 ab	0 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY MAXX	4.22 oz ai/a B								
2,4-D LV 4	8 oz ai/a B								
ROUNDUP POWERMAX	22 oz ai/a B								
N-PAK - AMS	2.5 lb ai/a B								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								

Purdue Weed Science

Pest Type Pest Code Pest Name	W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed	W Weed THLSS Pennycress		W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed			
Crop Code Crop Name Part Rated Rating Date	PLOT [5/22/2015	PLOT [5/22/2015	PLOT [5/22/2015	GLXMA Soybean PLOT C 5/29/2015	PLOT [5/29/2015	PLOT [5/29/2015	GLXMA Soybean PLOT C 6/4/2015		
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN		
Rating Unit	%	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1	1		
Days After First/Last Applic.	205 8	205 8	205 8	212 7	212 7	212 7	218 13		
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	7 DA-C	7 DA-C	7 DA-C	13 DA-C		
Days After Emergence	-7 DE-1	-7 DE-1	-7 DE-1	0 DE-1	0 DE-1	0 DE-1	6 DE-1		
ARM Action Codes	P	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	7	8	9	10	11	12	13
6 AUTHORITY XL ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY FIRST DF ROUNDUP POWERMAX 2,4-D LV 4 N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	2.24 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 1 % v/v A 2.5 lb ai/a A 2.8 oz ai/a B 22 oz ai/a B 8 oz ai/a B 2.5 lb ai/a B 2.72 oz ai/a D 22 oz ai/a D 2.5 lb ai/a D		100 a	97 a	100 a	0 a	100 a	100 a	0 a
12 AUTHORITY MTZ ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY XL SHARPEN MSO ULTRA N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	3.6 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 1 % v/v A 2.5 lb ai/a A 2.8 oz ai/a C 0.356 oz ai/a C 1 % v/v C 2.5 lb ai/a C 2.72 oz ai/a D 22 oz ai/a D 2.5 lb ai/a D		0 c	0 c	0 c	0 a	14 b	89 b	0 a
7 AUTHORITY XL ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY XL 2,4-D LV 4 ROUNDUP POWERMAX N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	2.24 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 1 % v/v A 2.5 lb ai/a A 2.8 oz ai/a B 8 oz ai/a B 22 oz ai/a B 2.5 lb ai/a B 2.72 oz ai/a D 22 oz ai/a D 2.5 lb ai/a D		100 a	95 a	100 a	0 a	100 a	99 ab	0 a
8 AUTHORITY XL ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY MTZ 2,4-D LV 4 ROUNDUP POWERMAX N-PAK - AMS ANTHEM MARVEL ROUNDUP POWERMAX N-PAK - AMS	2.24 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 1 % v/v A 2.5 lb ai/a A 5.4 oz ai/a B 8 oz ai/a B 22 oz ai/a B 2.5 lb ai/a B 1.34 oz ai/a D 1.88 oz ai/a D 16.5 oz ai/a D 2.5 lb ai/a D		100 a	90 a	100 a	0 a	100 a	91 ab	0 a

Purdue Weed Science

Pest Type				W Weed	W Weed	W Weed		W Weed	W Weed	
Pest Code				SETFA	AMBTR	THLSS		SETFA	AMBTR	
Pest Name				Giant foxtail	Giant ragweed	Pennycress		Giant foxtail	Giant ragweed	
Crop Code							GLXMA			GLXMA
Crop Name							Soybean			Soybean
Part Rated				PLOT [	PLOT [	PLOT [	PLOT C	PLOT [	PLOT [	PLOT C
Rating Date				5/22/2015	5/22/2015	5/22/2015	5/29/2015	5/29/2015	5/29/2015	6/4/2015
Rating Type				CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN
Rating Unit				%	%	%	%	%	%	%
Number of Subsamples				1	1	1	1	1	1	1
Days After First/Last Applic.				205 8	205 8	205 8	212 7	212 7	212 7	218 13
Trt-Eval Interval				0 DA-C	0 DA-C	0 DA-C	7 DA-C	7 DA-C	7 DA-C	13 DA-C
Days After Emergence				-7 DE-1	-7 DE-1	-7 DE-1	0 DE-1	0 DE-1	0 DE-1	6 DE-1
ARM Action Codes				P	P	P	P	P	P	P
Number of Decimals				0	0	0	0	0	0	0
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	7	8	9	10	11	12	13
9 AUTHORITY MTZ	3.6 oz ai/a	A		98 b	84 a	100 a	0 a	98 a	93 ab	0 a
ROUNDUP POWERMAX	15.1 oz ai/a	A								
WEEDMASTER	15.5 oz ai/a	A								
PRIME OIL - COC	1 % v/v	A								
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MAXX	4.22 oz ai/a	B								
SENCOR	3 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
10 AUTHORITY MTZ	3.6 oz ai/a	A		0 c	0 c	0 c	0 a	98 a	91 ab	0 a
ROUNDUP POWERMAX	15.1 oz ai/a	A								
WEEDMASTER	15.5 oz ai/a	A								
PRIME OIL - COC	1 % v/v	A								
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MAXX	4.22 oz ai/a	C								
SENCOR	3 oz ai/a	C								
GRAMOXONE INTEON	11 oz ai/a	C								
PRIME OIL - COC	1 % v/v	C								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
LSD P=.05				2.1	13.4	1.1	.	4.1	10.3	.
Standard Deviation				1.4	9.3	0.7	0.0	2.9	7.2	0.0
CV				2.17	16.13	0.99	0.0	3.41	8.39	0.0
Bartlett's X2				0.0	10.933	0.0	0.0	14.257	32.927	0.0
P(Bartlett's X2)				.	0.142	.	.	0.007*	0.001*	.
Skewness				-0.7273*	-0.5019	-1.4158*	.	-1.8736*	-2.6609*	.
Kurtosis				-1.5331*	-1.6017*	0.0046	.	1.6579*	6.1063*	.
Replicate F				1.000	6.073	0.979	0.000	0.750	5.806	0.000
Replicate Prob(F)				0.4051	0.0021	0.4152	1.0000	0.5303	0.0027	1.0000
Treatment F				4626.455	86.698	14736.019	0.000	638.440	57.476	0.000
Treatment Prob(F)				0.0001	0.0001	0.0001	1.0000	0.0001	0.0001	1.0000

Purdue Weed Science

Pest Type	W Weed	W Weed		W Weed	W Weed		W Weed
Pest Code	SETFA	AMBTR		SETFA	AMBTR		SETFA
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed		Giant foxtail
Crop Code			GLXMA			GLXMA	
Crop Name			Soybean			Soybean	
Part Rated			PLOT C			PLOT C	
Rating Date	PLOT [6/4/2015	PLOT [6/4/2015	PLOT C 6/10/2015	PLOT [6/10/2015	PLOT [6/10/2015	PLOT C 6/19/2015	PLOT [6/19/2015
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1	1
Days After First/Last Applic.	218 13	218 13	224 19	224 19	224 19	233 28	233 28
Trt-Eval Interval	13 DA-C	13 DA-C	19 DA-C	19 DA-C	19 DA-C	28 DA-C	28 DA-C
Days After Emergence	6 DE-1	6 DE-1	12 DE-1	12 DE-1	12 DE-1	21 DE-1	21 DE-1
ARM Action Codes	P	P	P	P	P	P	P
Number of Decimals	0	0	0	0	0	0	0
Trt Treatment	Rate	Rate		Rate	Rate		Rate
No. Name	Unit	Unit		Unit	Unit		Unit
1 UNTREATED	0 d	0 c	0 a	0 c	0 d	0 d	0 d
2 AUTHORITY MTZ	3.6 oz ai/a A	97 a	0 a	100 a	95 ab	0 d	94 a
ROUNDUP POWERMAX	15.1 oz ai/a A						
WEEDMASTER	15.5 oz ai/a A						
CLARITY	0.25 lb ae/a A						
2,4-D LV 4	0.72 lb ae/a A						
PRIME OIL - COC	1 % v/v A						
N-PAK - AMS	2.5 lb ai/a A						
AUTHORITY MAXX	4.22 oz ai/a B						
2,4-D LV 4	8 oz ai/a B						
ROUNDUP POWERMAX	22 oz ai/a B						
N-PAK - AMS	2.5 lb ai/a B						
MARVEL	2.72 oz ai/a D						
ROUNDUP POWERMAX	22 oz ai/a D						
N-PAK - AMS	2.5 lb ai/a D						

Purdue Weed Science

Pest Type Pest Code Pest Name	W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed		W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed		W Weed SETFA Giant foxtail			
Crop Code Crop Name Part Rated Rating Date	PLOT [6/4/2015	PLOT [6/4/2015	GLXMA Soybean PLOT C 6/10/2015	PLOT [6/10/2015	PLOT [6/10/2015	GLXMA Soybean PLOT C 6/19/2015	PLOT [6/19/2015			
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Days After First/Last Applic.	218 13	218 13	224 19	224 19	224 19	233 28	233 28			
Trt-Eval Interval	13 DA-C	13 DA-C	19 DA-C	19 DA-C	19 DA-C	28 DA-C	28 DA-C			
Days After Emergence	6 DE-1	6 DE-1	12 DE-1	12 DE-1	12 DE-1	21 DE-1	21 DE-1			
ARM Action Codes	P	P	P	P	P	P	P			
Number of Decimals	0	0	0	0	0	0	0			
Trt Treatment No. Name	Rate Rate	Unit Unit	Appl Code	14	15	16	17	18	19	20
11 AUTHORITY XL ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY MTZ GRAMOXONE INTEON PRIME OIL - COC MARVEL ROUNDUP POWERMAX N-PAK - AMS	2.24 oz ai/a 15.1 oz ai/a 15.5 oz ai/a 1 % v/v 2.5 lb ai/a 5.4 oz ai/a 11 oz ai/a 1 % v/v 2.72 oz ai/a 22 oz ai/a 2.5 lb ai/a	A A A A A C C C D D D	A	99 a	94 ab	0 a	100 a	90 ab	1 cd	84 abc
3 AUTHORITY MTZ ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY FIRST DF 2,4-D LV 4 ROUNDUP POWERMAX N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	3.6 oz ai/a 15.1 oz ai/a 15.5 oz ai/a 1 % v/v 2.5 lb ai/a 2.8 oz ai/a 8 oz ai/a 22 oz ai/a 2.5 lb ai/a 2.72 oz ai/a 22 oz ai/a 2.5 lb ai/a	A A A A A B B B B D D D	A	99 a	99 a	0 a	99 a	100 a	0 d	73 bc
4 AUTHORITY MTZ ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY XL 2,4-D LV 4 ROUNDUP POWERMAX N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	3.6 oz ai/a 15.1 oz ai/a 15.5 oz ai/a 1 % v/v 2.5 lb ai/a 2.8 oz ai/a 8 oz ai/a 22 oz ai/a 2.5 lb ai/a 2.72 oz ai/a 22 oz ai/a 2.5 lb ai/a	A A A A A B B B B D D D	A	100 a	99 a	0 a	100 a	98 ab	0 d	88 ab
5 AUTHORITY XL ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY MAXX 2,4-D LV 4 ROUNDUP POWERMAX N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	2.24 oz ai/a 15.1 oz ai/a 15.5 oz ai/a 1 % v/v 2.5 lb ai/a 4.22 oz ai/a 8 oz ai/a 22 oz ai/a 2.5 lb ai/a 2.72 oz ai/a 22 oz ai/a 2.5 lb ai/a	A A A A A B B B B D D D	A	100 a	100 a	0 a	99 a	99 a	3 bcd	94 a

Purdue Weed Science

Pest Type Pest Code Pest Name	W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed		W Weed SETFA Giant foxtail	W Weed AMBTR Giant ragweed		W Weed SETFA Giant foxtail	
Crop Code Crop Name Part Rated Rating Date	PLOT [6/4/2015	PLOT [6/4/2015	GLXMA Soybean PLOT C 6/10/2015	PLOT [6/10/2015	PLOT [6/10/2015	GLXMA Soybean PLOT C 6/19/2015	PLOT [6/19/2015	
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO	
Rating Unit	%	%	%	%	%	%	%	
Number of Subsamples	1	1	1	1	1	1	1	
Days After First/Last Applic.	218 13	218 13	224 19	224 19	224 19	233 28	233 28	
Trt-Eval Interval	13 DA-C	13 DA-C	19 DA-C	19 DA-C	19 DA-C	28 DA-C	28 DA-C	
Days After Emergence	6 DE-1	6 DE-1	12 DE-1	12 DE-1	12 DE-1	21 DE-1	21 DE-1	
ARM Action Codes	P	P	P	P	P	P	P	
Number of Decimals	0	0	0	0	0	0	0	
Trt Treatment No. Name	Rate Rate Unit Appl Code	14	15	16	17	18	19	20
6 AUTHORITY XL ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY FIRST DF ROUNDUP POWERMAX 2,4-D LV 4 N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	2.24 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 1 % v/v A 2.5 lb ai/a A 2.8 oz ai/a B 22 oz ai/a B 8 oz ai/a B 2.5 lb ai/a B 2.72 oz ai/a D 22 oz ai/a D 2.5 lb ai/a D	100 a	100 a	0 a	100 a	100 a	0 d	95 a
12 AUTHORITY MTZ ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY XL SHARPEN MSO ULTRA N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	3.6 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 1 % v/v A 2.5 lb ai/a A 2.8 oz ai/a C 0.356 oz ai/a C 1 % v/v C 2.5 lb ai/a C 2.72 oz ai/a D 22 oz ai/a D 2.5 lb ai/a D	24 c	86 b	0 a	50 b	71 c	9 a	8 d
7 AUTHORITY XL ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY XL 2,4-D LV 4 ROUNDUP POWERMAX N-PAK - AMS MARVEL ROUNDUP POWERMAX N-PAK - AMS	2.24 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 1 % v/v A 2.5 lb ai/a A 2.8 oz ai/a B 8 oz ai/a B 22 oz ai/a B 2.5 lb ai/a B 2.72 oz ai/a D 22 oz ai/a D 2.5 lb ai/a D	100 a	100 a	0 a	100 a	99 a	4 bc	96 a
8 AUTHORITY XL ROUNDUP POWERMAX WEEDMASTER PRIME OIL - COC N-PAK - AMS AUTHORITY MTZ 2,4-D LV 4 ROUNDUP POWERMAX N-PAK - AMS ANTHEM MARVEL ROUNDUP POWERMAX N-PAK - AMS	2.24 oz ai/a A 15.1 oz ai/a A 15.5 oz ai/a A 1 % v/v A 2.5 lb ai/a A 5.4 oz ai/a B 8 oz ai/a B 22 oz ai/a B 2.5 lb ai/a B 1.34 oz ai/a D 1.88 oz ai/a D 16.5 oz ai/a D 2.5 lb ai/a D	100 a	95 ab	0 a	100 a	88 ab	0 d	70 c

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Pest Type	W Weed	W Weed	W Weed	W Weed		W Weed	W Weed		
Pest Code	SETFA	AMBTR		SETFA	AMBTR		SETFA		
Pest Name	Giant foxtail	Giant ragweed		Giant foxtail	Giant ragweed		Giant foxtail		
Crop Code			GLXMA			GLXMA			
Crop Name			Soybean			Soybean			
Part Rated			PLOT C			PLOT C			
Rating Date	PLOT [6/4/2015	PLOT [6/4/2015	PLOT [6/10/2015	PLOT [6/10/2015	PLOT [6/10/2015	PLOT [6/19/2015	PLOT [6/19/2015		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO		
Rating Unit	%	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1	1		
Days After First/Last Applic.	218 13	218 13	224 19	224 19	224 19	233 28	233 28		
Trt-Eval Interval	13 DA-C	13 DA-C	19 DA-C	19 DA-C	19 DA-C	28 DA-C	28 DA-C		
Days After Emergence	6 DE-1	6 DE-1	12 DE-1	12 DE-1	12 DE-1	21 DE-1	21 DE-1		
ARM Action Codes	P	P	P	P	P	P	P		
Number of Decimals	0	0	0	0	0	0	0		
Trt Treatment	Rate	Appl							
No. Name	Rate Unit Code		14	15	16	17	18	19	20
9 AUTHORITY MTZ	3.6 oz ai/a A		100 a	99 a	0 a	95 a	96 ab	5 b	93 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY MAXX	4.22 oz ai/a B								
SENCOR	3 oz ai/a B								
2,4-D LV 4	8 oz ai/a B								
ROUNDUP POWERMAX	22 oz ai/a B								
N-PAK - AMS	2.5 lb ai/a B								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
10 AUTHORITY MTZ	3.6 oz ai/a A		85 b	86 b	0 a	93 a	84 bc	3 bcd	83 abc
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY MAXX	4.22 oz ai/a C								
SENCOR	3 oz ai/a C								
GRAMOXONE INTEON	11 oz ai/a C								
PRIME OIL - COC	1 % v/v C								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
LSD P=.05	10.9	9.1	.	8.3	13.8	3.5	16.9		
Standard Deviation	7.6	6.3	0.0	5.8	9.6	2.4	11.7		
CV	9.04	7.17	0.0	6.7	11.27	119.14	16.08		
Bartlett's X2	32.547	39.504	0.0	52.343	60.972	2.667	46.717		
P(Bartlett's X2)	0.001*	0.001*	.	0.001*	0.001*	0.751	0.001*		
Skewness	-1.9863*	-2.7515*	.	-2.2575*	-2.322*	1.869*	-1.4097*		
Kurtosis	2.2902*	6.3747*	.	3.8104*	4.3662*	3.8602*	0.257		
Replicate F	0.974	4.285	0.000	0.646	4.517	0.155	3.169		
Replicate Prob(F)	0.4171	0.0116	1.0000	0.5911	0.0092	0.9258	0.0376		
Treatment F	81.525	79.578	0.000	112.396	34.334	5.161	32.541		
Treatment Prob(F)	0.0001	0.0001	1.0000	0.0001	0.0001	0.0001	0.0001		

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Pest Type				W Weed			W Weed	W Weed		W Weed
Pest Code				AMBTR			SETFA	AMBTR		SETFA
Pest Name				Giant ragweed			Giant foxtail	Giant ragweed		Giant foxtail
Crop Code					GLXMA	GLXMA			GLXMA	
Crop Name					Soybean	Soybean			Soybean	
Part Rated				PLOT [	PLOT C	PLOT C	PLOT [	PLOT [	PLOT C	PLOT [
Rating Date				6/19/2015	6/23/2015	6/28/2015	6/28/2015	6/28/2015	7/3/2015	7/3/2015
Rating Type				CONTRO	PHYGEN	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit				%	%	%	%	%	%	%
Number of Subsamples				1	1	1	1	1	1	1
Days After First/Last Applic.				233 28	237 3	242 8	242 8	242 8	247 13	247 13
Trt-Eval Interval				28 DA-C	3 DA-D	8 DA-D	8 DA-D	8 DA-D	13 DA-D	13 DA-D
Days After Emergence				21 DE-1	25 DE-1	30 DE-1	30 DE-1	30 DE-1	35 DE-1	35 DE-1
ARM Action Codes				P	P	P	P	P	P	P
Number of Decimals				0	0	0	0	0	0	0
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	21	22	23	24	25	26	27
1 UNTREATED				0 c	0 c	0 e	0 c	0 c	0 d	0 b
2 AUTHORITY MTZ				88 ab	25 ab	13 bcd	100 a	99 a	8 bc	100 a
ROUNDUP POWERMAX										
WEEDMASTER										
CLARITY										
2,4-D LV 4										
PRIME OIL - COC										
N-PAK - AMS										
AUTHORITY MAXX										
2,4-D LV 4										
ROUNDUP POWERMAX										
N-PAK - AMS										
MARVEL										
ROUNDUP POWERMAX										
N-PAK - AMS										

Purdue Weed Science

Pest Type		W Weed			W Weed	W Weed		W Weed	
Pest Code		AMBTR			SETFA	AMBTR		SETFA	
Pest Name		Giant ragweed			Giant foxtail	Giant ragweed		Giant foxtail	
Crop Code			GLXMA	GLXMA			GLXMA		
Crop Name			Soybean	Soybean			Soybean		
Part Rated		PLOT [	PLOT C	PLOT C	PLOT [	PLOT [	PLOT C	PLOT [	
Rating Date		6/19/2015	6/23/2015	6/28/2015	6/28/2015	6/28/2015	7/3/2015	7/3/2015	
Rating Type		CONTRO	PHYGEN	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO	
Rating Unit		%	%	%	%	%	%	%	
Number of Subsamples		1	1	1	1	1	1	1	
Days After First/Last Applic.		233 28	237 3	242 8	242 8	242 8	247 13	247 13	
Trt-Eval Interval		28 DA-C	3 DA-D	8 DA-D	8 DA-D	8 DA-D	13 DA-D	13 DA-D	
Days After Emergence		21 DE-1	25 DE-1	30 DE-1	30 DE-1	30 DE-1	35 DE-1	35 DE-1	
ARM Action Codes		P	P	P	P	P	P	P	
Number of Decimals		0	0	0	0	0	0	0	
Trt Treatment	Rate	Appl							
No. Name	Rate Unit Code		21	22	23	24	25	26	27
11 AUTHORITY XL	2.24 oz ai/a A		74 b	21 ab	13 bcd	100 a	97 ab	8 bc	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY MTZ	5.4 oz ai/a C								
GRAMOXONE INTEON	11 oz ai/a C								
PRIME OIL - COC	1 % v/v C								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
3 AUTHORITY MTZ	3.6 oz ai/a A		93 a	21 ab	10 cd	100 a	100 a	5 c	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY FIRST DF	2.8 oz ai/a B								
2,4-D LV 4	8 oz ai/a B								
ROUNDUP POWERMAX	22 oz ai/a B								
N-PAK - AMS	2.5 lb ai/a B								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
4 AUTHORITY MTZ	3.6 oz ai/a A		92 a	20 ab	9 d	100 a	99 a	5 c	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY XL	2.8 oz ai/a B								
2,4-D LV 4	8 oz ai/a B								
ROUNDUP POWERMAX	22 oz ai/a B								
N-PAK - AMS	2.5 lb ai/a B								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								
5 AUTHORITY XL	2.24 oz ai/a A		92 a	19 b	9 d	100 a	100 a	9 b	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A								
WEEDMASTER	15.5 oz ai/a A								
PRIME OIL - COC	1 % v/v A								
N-PAK - AMS	2.5 lb ai/a A								
AUTHORITY MAXX	4.22 oz ai/a B								
2,4-D LV 4	8 oz ai/a B								
ROUNDUP POWERMAX	22 oz ai/a B								
N-PAK - AMS	2.5 lb ai/a B								
MARVEL	2.72 oz ai/a D								
ROUNDUP POWERMAX	22 oz ai/a D								
N-PAK - AMS	2.5 lb ai/a D								

Purdue Weed Science

Pest Type				W Weed			W Weed	W Weed		W Weed
Pest Code				AMBTR			SETFA	AMBTR		SETFA
Pest Name				Giant ragweed			Giant foxtail	Giant ragweed		Giant foxtail
Crop Code					GLXMA	GLXMA			GLXMA	
Crop Name					Soybean	Soybean			Soybean	
Part Rated				PLOT [	PLOT C	PLOT C	PLOT [	PLOT [	PLOT C	PLOT [
Rating Date				6/19/2015	6/23/2015	6/28/2015	6/28/2015	6/28/2015	7/3/2015	7/3/2015
Rating Type				CONTRO	PHYGEN	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit				%	%	%	%	%	%	%
Number of Subsamples				1	1	1	1	1	1	1
Days After First/Last Applic.				233 28	237 3	242 8	242 8	242 8	247 13	247 13
Trt-Eval Interval				28 DA-C	3 DA-D	8 DA-D	8 DA-D	8 DA-D	13 DA-D	13 DA-D
Days After Emergence				21 DE-1	25 DE-1	30 DE-1	30 DE-1	30 DE-1	35 DE-1	35 DE-1
ARM Action Codes				P	P	P	P	P	P	P
Number of Decimals				0	0	0	0	0	0	0
Trt Treatment	Rate	Appl								
No. Name	Rate Unit Code			21	22	23	24	25	26	27
6 AUTHORITY XL	2.24 oz ai/a A			97 a	24 ab	10 cd	100 a	100 a	5 c	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A									
WEEDMASTER	15.5 oz ai/a A									
PRIME OIL - COC	1 % v/v A									
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY FIRST DF	2.8 oz ai/a B									
ROUNDUP POWERMAX	22 oz ai/a B									
2,4-D LV 4	8 oz ai/a B									
N-PAK - AMS	2.5 lb ai/a B									
MARVEL	2.72 oz ai/a D									
ROUNDUP POWERMAX	22 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
12 AUTHORITY MTZ	3.6 oz ai/a A			83 ab	24 ab	16 ab	100 b	97 ab	9 b	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A									
WEEDMASTER	15.5 oz ai/a A									
PRIME OIL - COC	1 % v/v A									
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY XL	2.8 oz ai/a C									
SHARPEN	0.356 oz ai/a C									
MSO ULTRA	1 % v/v C									
N-PAK - AMS	2.5 lb ai/a C									
MARVEL	2.72 oz ai/a D									
ROUNDUP POWERMAX	22 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
7 AUTHORITY XL	2.24 oz ai/a A			96 a	25 ab	15 ab	100 a	100 a	6 bc	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A									
WEEDMASTER	15.5 oz ai/a A									
PRIME OIL - COC	1 % v/v A									
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY XL	2.8 oz ai/a B									
2,4-D LV 4	8 oz ai/a B									
ROUNDUP POWERMAX	22 oz ai/a B									
N-PAK - AMS	2.5 lb ai/a B									
MARVEL	2.72 oz ai/a D									
ROUNDUP POWERMAX	22 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
8 AUTHORITY XL	2.24 oz ai/a A			82 ab	26 ab	18 a	100 a	99 a	8 bc	100 a
ROUNDUP POWERMAX	15.1 oz ai/a A									
WEEDMASTER	15.5 oz ai/a A									
PRIME OIL - COC	1 % v/v A									
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY MTZ	5.4 oz ai/a B									
2,4-D LV 4	8 oz ai/a B									
ROUNDUP POWERMAX	22 oz ai/a B									
N-PAK - AMS	2.5 lb ai/a B									
ANTHEM	1.34 oz ai/a D									
MARVEL	1.88 oz ai/a D									
ROUNDUP POWERMAX	16.5 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									

Purdue Weed Science

Pest Type	W Weed		W Weed	W Weed			
Pest Code	AMBTR		SETFA	AMBTR			
Pest Name	Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code	GLXMA				GLXMA	GLXMA	GLXMA
Crop Name	Soybean				Soybean	Soybean	Soybean
Part Rated	PLOT [	PLOT C	PLOT [	PLOT [	PLOT C	PLOT C	PLOT C
Rating Date	7/3/2015	7/23/2015	7/23/2015	7/23/2015	9/28/2015	9/28/2015	9/28/2015
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO	YIELD	MOICON	YIELD
Rating Unit	%	%	%	%	lb/plot	%	BU
Number of Subsamples	1	1	1	1	1	1	1
Days After First/Last Applic.	247 13	267 33	267 33	267 33	334 100	334 100	334 100
Trt-Eval Interval	13 DA-D	33 DA-D	33 DA-D	33 DA-D			
Days After Emergence	35 DE-1	55 DE-1	55 DE-1	55 DE-1	122 DE-1	122 DE-1	122 DE-1
ARM Action Codes	P	P	P	P			TY1
Number of Decimals	0	0	0	0	2	2	1
Trt Treatment	Rate	Appl					
No. Name	Rate Unit Code						
28	29	30	31	32	33	34	
1 UNTREATED	0 c	0 b	0 c	0 c	2.98 b	5.02 b	8.6 b
2 AUTHORITY MTZ	3.6 oz ai/a A						
ROUNDUP POWERMAX	15.1 oz ai/a A						
WEEDMASTER	15.5 oz ai/a A						
CLARITY	0.25 lb ae/a A						
2,4-D LV 4	0.72 lb ae/a A						
PRIME OIL - COC	1 % v/v A						
N-PAK - AMS	2.5 lb ai/a A						
AUTHORITY MAXX	4.22 oz ai/a B						
2,4-D LV 4	8 oz ai/a B						
ROUNDUP POWERMAX	22 oz ai/a B						
N-PAK - AMS	2.5 lb ai/a B						
MARVEL	2.72 oz ai/a D						
ROUNDUP POWERMAX	22 oz ai/a D						
N-PAK - AMS	2.5 lb ai/a D						

Purdue Weed Science

Pest Type				W Weed		W Weed	W Weed			
Pest Code				AMBTR		SETFA	AMBTR			
Pest Name				Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code					GLXMA			GLXMA	GLXMA	GLXMA
Crop Name					Soybean			Soybean	Soybean	Soybean
Part Rated				PLOT [	PLOT C	PLOT [	PLOT [	PLOT C	PLOT C	PLOT C
Rating Date				7/3/2015	7/23/2015	7/23/2015	7/23/2015	9/28/2015	9/28/2015	9/28/2015
Rating Type				CONTRO	PHYGEN	CONTRO	CONTRO	YIELD	MOICON	YIELD
Rating Unit				%	%	%	%	lb/plot	%	BU
Number of Subsamples				1	1	1	1	1	1	1
Days After First/Last Applic.				247 13	267 33	267 33	267 33	334 100	334 100	334 100
Trt-Eval Interval				13 DA-D	33 DA-D	33 DA-D	33 DA-D			
Days After Emergence				35 DE-1	55 DE-1	55 DE-1	55 DE-1	122 DE-1	122 DE-1	122 DE-1
ARM Action Codes				P	P	P	P			TY1
Number of Decimals				0	0	0	0	2	2	1
Trt Treatment	Rate	Unit	Appl Code							
No. Name				28	29	30	31	32	33	34
11 AUTHORITY XL	2.24 oz ai/a	A		99 ab	0 b	100 a	100 a	20.08 a	13.42 a	58.0 a
ROUNDUP POWERMAX	15.1 oz ai/a	A								
WEEDMASTER	15.5 oz ai/a	A								
PRIME OIL - COC	1 % v/v	A								
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MTZ	5.4 oz ai/a	C								
GRAMOXONE INTEON	11 oz ai/a	C								
PRIME OIL - COC	1 % v/v	C								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
3 AUTHORITY MTZ	3.6 oz ai/a	A		100 a	0 b	100 a	100 a	19.60 a	13.31 a	56.7 a
ROUNDUP POWERMAX	15.1 oz ai/a	A								
WEEDMASTER	15.5 oz ai/a	A								
PRIME OIL - COC	1 % v/v	A								
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY FIRST DF	2.8 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
4 AUTHORITY MTZ	3.6 oz ai/a	A		100 a	0 b	100 a	100 a	21.17 a	13.16 a	61.4 a
ROUNDUP POWERMAX	15.1 oz ai/a	A								
WEEDMASTER	15.5 oz ai/a	A								
PRIME OIL - COC	1 % v/v	A								
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY XL	2.8 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								
5 AUTHORITY XL	2.24 oz ai/a	A		100 a	0 b	100 a	100 a	19.92 a	13.04 a	57.8 a
ROUNDUP POWERMAX	15.1 oz ai/a	A								
WEEDMASTER	15.5 oz ai/a	A								
PRIME OIL - COC	1 % v/v	A								
N-PAK - AMS	2.5 lb ai/a	A								
AUTHORITY MAXX	4.22 oz ai/a	B								
2,4-D LV 4	8 oz ai/a	B								
ROUNDUP POWERMAX	22 oz ai/a	B								
N-PAK - AMS	2.5 lb ai/a	B								
MARVEL	2.72 oz ai/a	D								
ROUNDUP POWERMAX	22 oz ai/a	D								
N-PAK - AMS	2.5 lb ai/a	D								

Purdue Weed Science

Pest Type				W Weed		W Weed		W Weed			
Pest Code				AMBTR		SETFA		AMBTR			
Pest Name				Giant ragweed		Giant foxtail		Giant ragweed			
Crop Code					GLXMA				GLXMA	GLXMA	GLXMA
Crop Name					Soybean				Soybean	Soybean	Soybean
Part Rated				PLOT [	PLOT C	PLOT [	PLOT [	PLOT [	PLOT C	PLOT C	PLOT C
Rating Date				7/3/2015	7/23/2015	7/23/2015	7/23/2015	9/28/2015	9/28/2015	9/28/2015	9/28/2015
Rating Type				CONTRO	PHYGEN	CONTRO	CONTRO	YIELD	MOICON		YIELD
Rating Unit				%	%	%	%	lb/plot	%		BU
Number of Subsamples				1	1	1	1	1	1	1	1
Days After First/Last Applic.				247 13	267 33	267 33	267 33	334 100	334 100	334 100	334 100
Trt-Eval Interval				13 DA-D	33 DA-D	33 DA-D	33 DA-D				
Days After Emergence				35 DE-1	55 DE-1	55 DE-1	55 DE-1	122 DE-1	122 DE-1	122 DE-1	
ARM Action Codes				P	P	P	P				TY1
Number of Decimals				0	0	0	0	2	2		1
Trt Treatment	Rate	Appl									
No. Name	Rate Unit Code			28	29	30	31	32	33	34	
6 AUTHORITY XL	2.24 oz ai/a A			100 a	0 b	100 a	100 a	20.38 a	13.37 a	58.9 a	
ROUNDUP POWERMAX	15.1 oz ai/a A										
WEEDMASTER	15.5 oz ai/a A										
PRIME OIL - COC	1 % v/v A										
N-PAK - AMS	2.5 lb ai/a A										
AUTHORITY FIRST DF	2.8 oz ai/a B										
ROUNDUP POWERMAX	22 oz ai/a B										
2,4-D LV 4	8 oz ai/a B										
N-PAK - AMS	2.5 lb ai/a B										
MARVEL	2.72 oz ai/a D										
ROUNDUP POWERMAX	22 oz ai/a D										
N-PAK - AMS	2.5 lb ai/a D										
12 AUTHORITY MTZ	3.6 oz ai/a A			99 ab	4 a	100 a	98 b	18.72 a	13.08 a	54.3 a	
ROUNDUP POWERMAX	15.1 oz ai/a A										
WEEDMASTER	15.5 oz ai/a A										
PRIME OIL - COC	1 % v/v A										
N-PAK - AMS	2.5 lb ai/a A										
AUTHORITY XL	2.8 oz ai/a C										
SHARPEN	0.356 oz ai/a C										
MSO ULTRA	1 % v/v C										
N-PAK - AMS	2.5 lb ai/a C										
MARVEL	2.72 oz ai/a D										
ROUNDUP POWERMAX	22 oz ai/a D										
N-PAK - AMS	2.5 lb ai/a D										
7 AUTHORITY XL	2.24 oz ai/a A			100 a	0 b	100 a	100 a	18.63 a	13.32 a	53.9 a	
ROUNDUP POWERMAX	15.1 oz ai/a A										
WEEDMASTER	15.5 oz ai/a A										
PRIME OIL - COC	1 % v/v A										
N-PAK - AMS	2.5 lb ai/a A										
AUTHORITY XL	2.8 oz ai/a B										
2,4-D LV 4	8 oz ai/a B										
ROUNDUP POWERMAX	22 oz ai/a B										
N-PAK - AMS	2.5 lb ai/a B										
MARVEL	2.72 oz ai/a D										
ROUNDUP POWERMAX	22 oz ai/a D										
N-PAK - AMS	2.5 lb ai/a D										
8 AUTHORITY XL	2.24 oz ai/a A			99 ab	0 b	100 a	99 ab	19.86 a	13.04 a	57.7 a	
ROUNDUP POWERMAX	15.1 oz ai/a A										
WEEDMASTER	15.5 oz ai/a A										
PRIME OIL - COC	1 % v/v A										
N-PAK - AMS	2.5 lb ai/a A										
AUTHORITY MTZ	5.4 oz ai/a B										
2,4-D LV 4	8 oz ai/a B										
ROUNDUP POWERMAX	22 oz ai/a B										
N-PAK - AMS	2.5 lb ai/a B										
ANTHEM	1.34 oz ai/a D										
MARVEL	1.88 oz ai/a D										
ROUNDUP POWERMAX	16.5 oz ai/a D										
N-PAK - AMS	2.5 lb ai/a D										

Purdue Weed Science

Pest Type				W Weed		W Weed	W Weed			
Pest Code				AMBTR		SETFA	AMBTR			
Pest Name				Giant ragweed		Giant foxtail	Giant ragweed			
Crop Code					GLXMA			GLXMA	GLXMA	GLXMA
Crop Name					Soybean			Soybean	Soybean	Soybean
Part Rated				PLOT [	PLOT C	PLOT [	PLOT [	PLOT C	PLOT C	PLOT C
Rating Date				7/3/2015	7/23/2015	7/23/2015	7/23/2015	9/28/2015	9/28/2015	9/28/2015
Rating Type				CONTRO	PHYGEN	CONTRO	CONTRO	YIELD	MOICON	YIELD
Rating Unit				%	%	%	%	lb/plot	%	BU
Number of Subsamples				1	1	1	1	1	1	1
Days After First/Last Applic.				247 13	267 33	267 33	267 33	334 100	334 100	334 100
Trt-Eval Interval				13 DA-D	33 DA-D	33 DA-D	33 DA-D			
Days After Emergence				35 DE-1	55 DE-1	55 DE-1	55 DE-1	122 DE-1	122 DE-1	122 DE-1
ARM Action Codes				P	P	P	P			TY1
Number of Decimals				0	0	0	0	2	2	1
Trt Treatment	Rate	Appl								
No. Name	Rate Unit Code			28	29	30	31	32	33	34
9 AUTHORITY MTZ	3.6 oz ai/a A			100 a	0 b	99 b	100 a	20.88 a	13.22 a	60.5 a
ROUNDUP POWERMAX	15.1 oz ai/a A									
WEEDMASTER	15.5 oz ai/a A									
PRIME OIL - COC	1 % v/v A									
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY MAXX	4.22 oz ai/a B									
SENCOR	3 oz ai/a B									
2,4-D LV 4	8 oz ai/a B									
ROUNDUP POWERMAX	22 oz ai/a B									
N-PAK - AMS	2.5 lb ai/a B									
MARVEL	2.72 oz ai/a D									
ROUNDUP POWERMAX	22 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
10 AUTHORITY MTZ	3.6 oz ai/a A			97 b	0 b	100 ab	97 b	19.51 a	13.47 a	56.3 a
ROUNDUP POWERMAX	15.1 oz ai/a A									
WEEDMASTER	15.5 oz ai/a A									
PRIME OIL - COC	1 % v/v A									
N-PAK - AMS	2.5 lb ai/a A									
AUTHORITY MAXX	4.22 oz ai/a C									
SENCOR	3 oz ai/a C									
GRAMOXONE INTEON	11 oz ai/a C									
PRIME OIL - COC	1 % v/v C									
MARVEL	2.72 oz ai/a D									
ROUNDUP POWERMAX	22 oz ai/a D									
N-PAK - AMS	2.5 lb ai/a D									
LSD P=.05				2.4	2.0	1.0	2.4	2.942	3.567	8.33
Standard Deviation				1.7	1.4	0.7	1.7	2.045	2.479	5.79
CV				1.83	442.22	0.79	1.83	11.09	19.72	10.84
Bartlett's X2				9.915	0.0	5.655	1.513	19.506	93.683	19.072
P(Bartlett's X2)				0.019*	.	0.017*	0.469	0.053	0.001*	0.06
Skewness				-3.0926*	5.4791*	-3.1095*	-3.0897*	-2.6897*	-3.279*	-2.6659*
Kurtosis				7.9399*	31.0744*	8.0101*	7.928*	7.2172*	10.7417*	7.0349*
Replicate F				1.820	1.000	1.435	2.653	1.523	1.272	1.538
Replicate Prob(F)				0.1626	0.4051	0.2503	0.0648	0.2267	0.3001	0.2230
Treatment F				1182.930	2.455	6360.421	1179.862	23.230	3.695	24.347
Treatment Prob(F)				0.0001	0.0228	0.0001	0.0001	0.0001	0.0017	0.0001

Purdue Weed Science

2013/SOYBEAN/AUTHORITY XL/AUTHORITY MAXX/AUTHORITY MTZ/SPLIT/PURDUE

Trial ID: 14F-THP-NTS-71-Updated Location: Throckmorton Trial Year:
 Protocol ID: 13F-THP-NTS-71 3 Investigator: Dr. Bill Johnson
 Project ID: Study Director:
 Sponsor Contact: FMC - Joe Reed

Pest Type

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

Pest Code

BROSS, Bromus sp., = US

TAROF, Taraxacum officinale, = US

THLSS, Thlaspi sp., = US

SETFA, Setaria faberi, = US

AMBTR, Ambrosia trifida, = US

Crop Code

GLXMA, BSOY, Glycine max, = US

Part Rated

PLOT = plot

C = Crop is Part Rated

Rating Type

GROUND = groundcover

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 = $2.904 \cdot [32] \cdot (100 - [33]) / 87$