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OSU Fall/Spring marestail programs in Enlist soybeans

Trial ID: 15 OSUFALL1 Location: F-10 MIDDLE Trial Year: 2015
 Protocol ID: 15 OSUFALL1 Investigator: Dr. Mark M. Loux
 Project ID: 15 OSUFALL1 Study Director:
 Sponsor Contact:

General Trial Information

Investigator: Dr. Mark M. Loux

Latitude of LL Corner °: 39.8587 N
 Longitude of LL Corner °: 83.67183 W

Conducted Under GLP: No
 Conducted Under GEP: No

Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: GLXMA Glycine max
 Variety: GC 16144857
 Description: Enlist Soy

Planting Date: May-7-2015
 Planting Method: PLANTD planted
 Planting Equipment: KINZE

Planting Rate, Unit: 181000 S/A
 Depth, Unit: 1 IN
 Row Spacing, Unit: 15 IN
 Soil Temperature, Unit: 70 F
 Soil Moisture: GOOD good
 Seed Bed: MEDIUM medium

Pest Description

Pest 1 Type: W Code: LAMPU Lamium purpureum
 Common Name: Purple deadnettel

Pest 2 Type: W Code: STEME Stellaria media
 Common Name: Common chickweed

Pest 3 Type: W Code: ERICA Conyza canadensis
 Common Name: Canada horseweed

Pest 4 Type: W Code: ERYRE Erysimum repandum
 Common Name: Bushy wallflower

Pest 5 Type: W Code: SETFA Setaria faberi
 Common Name: Giant foxtail

Pest 6 Type: W Code: AMBTR Ambrosia trifida
 Common Name: Giant ragweed

Pest 7 Type: W Code: CHEAL Chenopodium album
 Common Name: Common lambsquarters

Pest 8 Type: W Code: AMBEL Ambrosia artemisiifolia
 Common Name: Common ragweed

Pest 9 Type: W Code: ABUTH Abutilon theophrasti
 Common Name: velvetleaf

Site and Design

Treated Plot Width: 6.67 FT
 Treated Plot Length: 30 FT
 Treated Plot Area: 200.1 FT2 Treatments: 18
 Replications: 3

Site Type: FIELD field
 Experimental Unit: 1 PLOT plot
 Tillage Type: NOTILL no-till
 Study Design: RACOB Randomized Complete Block (RCB)

Soil Description

Description Name: F-10 West
 % OM: 1.5 Texture: SIL silt loam
 pH: 5.8 Soil Name: Crosby Silt Loam
 CEC: 13 Fert. Level: G good
 Soil Drainage: G good

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Application Description

	A	B	C	D
Application Date:	Nov-10-2014	Apr-24-2015	May-7-2015	Jun-3-2015
Appl. Start Time:	11:00 AM	10:00 AM	9:00 AM	10:00AM
Appl. Stop Time:	11:30 AM	10:30 AM	9:15 AM	10:30 AM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	FALL	7 EPP	ATPL	POST
Application Placement:	BROSOI	BROSOI	BROSOI	BROFOL
Applied By:	REEB/LOUX	REEB	REEB	Ackley/Lamb
Air Temperature, Unit:	58.2 F	69 F	82 F	61 F
% Relative Humidity:	50.4	51	42	86
Wind Velocity, Unit:	7.5 MPH	6 MPH	8.7 MPH	4 MPH
Wind Direction:	SSW	N	NW	NNE
Dew Presence (Y/N):	N no	Y yes	N no	Y yes
Soil Temperature, Unit:	44 F	41 F	70 F	59 F
Soil Moisture:	GOOD	MOIST	MOIST	WET
% Cloud Cover:	5	0	30	100
Next Moisture Occurred On:	Nov-19-2014	Apr-25-2015	May-11-2015	Jun-5-2015
Time to Next Moisture, Unit:	9 DAY	1 DAY	4 DAY	2 DAY

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code, BBCH Scale:	GLXMA	BSOY GLXMA	BSOY GLXMA	BSOY GLXMA
Stage Scale Used:				BBCH
Stage Majority, Percent:				13 100
Height, Unit:				3 IN
Height Minimum, Maximum:				2 4

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Type, Scale:	LAMPU W	LAMPU W	LAMPU W	LAMPU W
Pest 2 Code, Type, Scale:	STEME W	STEME W	STEME W	STEME W
Pest 3 Code, Type, Scale:	ERICA W	ERICA W	ERICA W	ERICA W
Stage Majority, Percent:				19 100
Stage Minimum, Percent:				19 100
Stage Maximum, Percent:				19 100
Height, Unit:				4 IN
Height Minimum, Maximum:				2 8
Pest 4 Code, Type, Scale:	ERYRE W	ERYRE W	ERYRE W	ERYRE W
Pest 5 Code, Type, Scale:	SETFA W	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:				15 100
Stage Minimum, Percent:				12 100
Stage Maximum, Percent:				15 100
Height, Unit:				7 IN
Height Minimum, Maximum:				3 12
Pest 6 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:				19 100
Stage Minimum, Percent:				19 100
Stage Maximum, Percent:				19 100
Height, Unit:				12 IN
Height Minimum, Maximum:				8 22
Pest 7 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:				14 100
Stage Minimum, Percent:				14 100
Stage Maximum, Percent:				14 100
Height, Unit:				2 IN
Height Minimum, Maximum:				2 2
Pest 8 Code, Type, Scale:	AMBEL W	AMBEL W	AMBEL W	AMBEL W
Stage Majority, Percent:				18 100
Stage Minimum, Percent:				12 100
Stage Maximum, Percent:				18 100
Height, Unit:				7 IN
Height Minimum, Maximum:				2 8
Pest 9 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:				14 100
Stage Minimum, Percent:				14 100
Stage Maximum, Percent:				16 100
Height, Unit:				2 IN
Height Minimum, Maximum:				1 5

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Application Equipment

	A	B	C	D
Appl. Equipment:	6' BACKPACK	6' BACKPACK	6' BACKPACK	6' BACKPACK
Equipment Type:	BACCAI	BACCAI	BACCAI	BACCAI
Operation Pressure, Unit:	44 PSI	44 PSI	44 PSI	44 PSI
Nozzle Type:	AIXR	AIXR	AIXR	AIXR
Nozzle Size:	11015	11015	11015	11015
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN	18 IN
Nozzles/Row:	4	4	4	4
Boom Length, Unit:	6.67 FT	6.67 FT	6.67 FT	6.67 FT
Boom Height, Unit:	20 IN	20 IN	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER	WATER
Spray Volume, Unit:	15 gal/ac	15 gal/ac	15 gal/ac	15 gal/ac
Mix Size, Unit:	1 liters	1 liters	1 liters	1 liters
Propellant:	COMCO2	COMCO2	COMCO2	COMCO2
Trt No	16	100		
Treatment Application Comment				

Date	By	Notes
2	IN	

No. Date	By	Deviations
1.	16	

Reasons: 100

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 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	AMBTR	ERYRE	ERPSS
Pest Scientific Name	Lamium purpure>	Ambrosia trifi>	Erysimum repa>	Erophila sp.
Pest Name	Purple deadnet>	Giant ragweed	Bushy wallflow>	Whitlowgrass
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	Apr-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	170 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	1	2	3	4
1	2,4-D	0.5 lb ai/a	A		101	50.0	50.0	100.0	100.0
	Clarity	0.25 lb ai/a	A		208	50.0	18.2*	80.0	100.0
	COC	1 % v/v	A		313	98.0	0.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
					Mean =	66.0	22.7	93.3	100.0
2	2,4-D	0.5 lb ai/a	A		102	100.0	80.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A		217	100.0	30.0	100.0	100.0
	COC	1 % v/v	A		312	100.0	60.0	100.0	90.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
					Mean =	100.0	56.7	100.0	96.7
3	2,4-D	0.5 lb ai/a	A		103	100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A		216	100.0	100.0	100.0	100.0
	COC	1 % v/v	A		305	100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	Metribuzin	0.28 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
					Mean =	100.0	100.0	100.0	100.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	AMBTR	ERYRE	ERPSS
Pest Scientific Name	Lamium purpure>	Ambrosia trifi>	Erysimum repan>	Erophila sp.
Pest Name	Purple deadnet>	Giant ragweed	Bushy wallflow>	Whitlowgrass
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	Apr-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	170 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	1	2	3	4
4	2,4-D	0.5 lb ai/a	A	104		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	206		100.0	100.0	100.0	100.0
	COC	1 % v/v	A	316		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	100.0	100.0	100.0
5	Sharpen	0.0223 lb ai/a	A	105		100.0	0.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	218		100.0	20.0	90.0	95.0
	MSO	1 % v/v	A	317		100.0	30.0	90.0	85.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	16.7	93.3	93.3
6	2,4-D	0.5 lb ai/a	A	106		100.0	0.0	98.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	203		100.0	20.0	100.0	98.0
	COC	1 % v/v	A	308		100.0	50.0	80.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	23.3	92.7	99.3
7	2,4-D	0.5 lb ai/a	A	107		100.0	50.0	80.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	214		100.0	0.0	100.0	100.0
	COC	1 % v/v	A	302		100.0	40.0	100.0	98.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Gramoxone Inteon	0.75 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	30.0	93.3	99.3

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	AMBTR	ERYRE	ERPSS
Pest Scientific Name	Lamium purpure>	Ambrosia trifi>	Erysimum repa>	Erophila sp.
Pest Name	Purple deadnet>	Giant ragweed	Bushy wallflow>	Whitlowgrass
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	Apr-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	170 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	1	2	3	4
8	Sharpen	0.0223 lb ai/a	A	108	100.0	20.0	80.0	100.0	
	Roundup Power Max	0.56 lb ae/a	A	207	100.0	30.0	80.0	97.0	
	MSO	1 % v/v	A	301	100.0	70.0	100.0	95.0	
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
		Mean =				100.0	40.0	86.7	97.3
9	Roundup Power Max	0.56 lb ae/a	A	109	100.0	20.0	75.0	100.0	
	Clarity	0.25 lb ai/a	A	204	100.0	30.0	100.0	100.0	
	COC	1 % v/v	A	306	100.0	50.0	90.0	80.0	
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
		Mean =				100.0	33.3	88.3	93.3
10	Sharpen	0.0223 lb ai/a	A	110	100.0	100.0	100.0	100.0	
	Roundup Power Max	0.56 lb ae/a	A	215	100.0	100.0	100.0	100.0	
	MSO	1 % v/v	A	307	100.0	100.0	100.0	100.0	
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Enlist Duo	1.67 lb ai/a	D						
N-pak ams	2.5 % v/v	D							
	Mean =				100.0	100.0	100.0	100.0	
11	Roundup Power Max	0.56 lb ae/a	A	111	100.0	50.0	60.0	100.0	
	Clarity	0.25 lb ai/a	A	202	100.0	30.0	80.0	90.0	
	COC	1 % v/v	A	310	100.0	30.0	80.0	50.0	
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
		Mean =				100.0	36.7	73.3	80.0
12	Sharpen	0.0223 lb ai/a	C	112	0.0	0.0	0.0	0.0	
	Enlist Duo	1.98 lb ai/a	C	213	0.0	0.0	0.0	0.0	
	Sonic	0.197 lb ai/a	C	304	0.0	0.0	0.0	0.0	
	Metribuzin	0.28 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
		Mean =				0.0	0.0	0.0	0.0

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Pest Code	LAMPU	AMBTR	ERYRE	ERPSS
Pest Scientific Name	Lamium purpure>	Ambrosia trifi>	Erysimum repa>	Erophila sp.
Pest Name	Purple deadnet>	Giant ragweed	Bushy wallflow>	Whitlowgrass
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	Apr-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	170 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	1	2	3	4
13	Sharpen	0.0223 lb ai/a	C	113		0.0	0.0	0.0	0.0
	Enlist Duo	1.98 lb ai/a	C	209		0.0	0.0	0.0	0.0
	Sonic	0.197 lb ai/a	C	314		0.0	0.0	0.0	0.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	0.0
14	Sharpen	0.0223 lb ai/a	C	114		0.0	0.0	0.0	0.0
	Enlist Duo	1.98 lb ai/a	C	210		0.0	0.0	0.0	0.0
	Sonic	0.197 lb ai/a	C	303		0.0	0.0	0.0	0.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	0.0
15	Sharpen	0.0223 lb ai/a	C	115		0.0	0.0	0.0	0.0
	Enlist Duo	1.98 lb ai/a	C	212		0.0	0.0	0.0	0.0
	Sonic	0.197 lb ai/a	C	315		0.0	0.0	0.0	0.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	0.0
16	Enlist Duo	1.98 lb ai/a	C	116		0.0	0.0	0.0	0.0
	Sonic	0.197 lb ai/a	C	211		0.0	0.0	0.0	0.0
	N-pak ams	2.5 % v/v	C	309		0.0	0.0	0.0	0.0
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	0.0
17	Enlist Duo	1.98 lb ai/a	C	117		0.0	0.0	0.0	0.0
	N-pak ams	2.5 % v/v	C	201		0.0	0.0	0.0	0.0
	Enlist Duo	1.67 lb ai/a	D	318		0.0	0.0	0.0	0.0
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	0.0
18	Enlist Duo	1.98 lb ai/a	C	118		0.0	0.0	0.0	0.0
	N-pak ams	2.5 % v/v	C	205		0.0	0.0	0.0	0.0
	Glufosinate	0.585 lb ai/a	D	311		0.0	0.0	0.0	0.0
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	0.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	VERAR	ERICA	LAMPU
Pest Scientific Name	Stellaria media	Veronica arven>	Conyza canad>	Lamium purpure>
Pest Name	Common chickwe>	Corn speedwell	Canada horsewe>	Purple deadnet>
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	183 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	5	6	7	8
1	2,4-D	0.5 lb ai/a	A	101		100.0	90.0	100.0	75.0
	Clarity	0.25 lb ai/a	A	208		80.0	70.0	90.0	98.0
	COC	1 % v/v	A	313		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		93.3	86.7	96.7	91.0
2	2,4-D	0.5 lb ai/a	A	102		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	217		100.0	95.0	70.0	100.0
	COC	1 % v/v	A	312		100.0	100.0	80.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	98.3	83.3	100.0
3	2,4-D	0.5 lb ai/a	A	103		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	216		100.0	100.0	100.0	100.0
	COC	1 % v/v	A	305		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	Metribuzin	0.28 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	100.0	100.0	100.0

The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	VERAR	ERICA	LAMPU
Pest Scientific Name	Stellaria media	Veronica arven>	Conyza canadens>	Lamium purpure>
Pest Name	Common chickwe>	Corn speedwell	Canada horsewe>	Purple deadnet>
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	183 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	5	6	7	8
4	2,4-D	0.5 lb ai/a	A	104		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	206		100.0	100.0	100.0	100.0
	COC	1 % v/v	A	316		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	100.0	100.0	100.0
5	Sharpen	0.0223 lb ai/a	A	105		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	218		100.0	100.0	85.0	100.0
	MSO	1 % v/v	A	317		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	100.0	95.0	100.0
6	2,4-D	0.5 lb ai/a	A	106		100.0	100.0	80.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	203		97.0	100.0	90.0	100.0
	COC	1 % v/v	A	308		100.0	100.0	70.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		99.0	100.0	80.0	100.0
7	2,4-D	0.5 lb ai/a	A	107		90.0	90.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	214		100.0	100.0	100.0	100.0
	COC	1 % v/v	A	302		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Gramoxone Inteon	0.75 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		96.7	96.7	100.0	100.0

The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	VERAR	ERICA	LAMPU
Pest Scientific Name	Stellaria media	Veronica arven>	Conyza canadens>	Lamium purpure>
Pest Name	Common chickwe>	Corn speedwell	Canada horsewe>	Purple deadnet>
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	183 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	5	6	7	8
8	Sharpen	0.0223 lb ai/a	A	108		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	207		100.0	100.0	90.0	100.0
	MSO	1 % v/v	A	301		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
		Mean =					100.0	100.0	96.7
9	Roundup Power Max	0.56 lb ae/a	A	109		100.0	100.0	100.0	100.0
	Clarity	0.25 lb ai/a	A	204		100.0	100.0	100.0	100.0
	COC	1 % v/v	A	306		100.0	100.0	70.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					100.0	100.0	90.0	100.0
10	Sharpen	0.0223 lb ai/a	A	110		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	215		100.0	100.0	100.0	100.0
	MSO	1 % v/v	A	307		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					100.0	100.0	100.0	100.0
11	Roundup Power Max	0.56 lb ae/a	A	111		100.0	100.0	85.0	100.0
	Clarity	0.25 lb ai/a	A	202		100.0	100.0	95.0	100.0
	COC	1 % v/v	A	310		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
		Mean =					100.0	100.0	93.3
12	Sharpen	0.0223 lb ai/a	C	112		0.0	0.0	0.0	100.0
	Enlist Duo	1.98 lb ai/a	C	213		0.0	0.0	0.0	100.0
	Sonic	0.197 lb ai/a	C	304		0.0	0.0	0.0	100.0
	Metribuzin	0.28 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	100.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	VERAR	ERICA	LAMPU
Pest Scientific Name	Stellaria media	Veronica arven>	Conyza canadens>	Lamium purpure>
Pest Name	Common chickwe>	Corn speedwell	Canada horsewe>	Purple deadnet>
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	183 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	5	6	7	8
13	Sharpen	0.0223 lb ai/a	C	113		0.0	0.0	0.0	70.0
	Enlist Duo	1.98 lb ai/a	C	209		0.0	0.0	0.0	90.0
	Sonic	0.197 lb ai/a	C	314		0.0	0.0	0.0	100.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	86.7
14	Sharpen	0.0223 lb ai/a	C	114		0.0	0.0	0.0	85.0
	Enlist Duo	1.98 lb ai/a	C	210		0.0	0.0	0.0	90.0
	Sonic	0.197 lb ai/a	C	303		0.0	0.0	0.0	95.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	90.0
15	Sharpen	0.0223 lb ai/a	C	115		0.0	0.0	0.0	80.0
	Enlist Duo	1.98 lb ai/a	C	212		0.0	0.0	0.0	90.0
	Sonic	0.197 lb ai/a	C	315		0.0	0.0	0.0	100.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	90.0
16	Enlist Duo	1.98 lb ai/a	C	116		0.0	0.0	0.0	90.0
	Sonic	0.197 lb ai/a	C	211		0.0	0.0	0.0	50.0
	N-pak ams	2.5 % v/v	C	309		0.0	0.0	0.0	80.0
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	73.3
17	Enlist Duo	1.98 lb ai/a	C	117		0.0	0.0	0.0	50.0
	N-pak ams	2.5 % v/v	C	201		0.0	0.0	0.0	50.0
	Enlist Duo	1.67 lb ai/a	D	318		0.0	0.0	0.0	70.0
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	56.7
18	Enlist Duo	1.98 lb ai/a	C	118		0.0	0.0	0.0	60.0
	N-pak ams	2.5 % v/v	C	205		0.0	0.0	0.0	70.0
	Glufosinate	0.585 lb ai/a	D	311		0.0	0.0	0.0	70.0
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					0.0	0.0	0.0	66.7

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERYRE	STEME	VERAR
Pest Scientific Name	Ambrosia trifida	Erysimum repens	Stellaria media	Veronica arvensis
Pest Name	Giant ragweed	Bushy wallflower	Common chickweed	Corn speedwell
Rating Date	May-12-2015	May-12-2015	May-12-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	183 5	183 5	183 5
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	9	10	11	12
1	2,4-D	0.5 lb ai/a	A	101		100.0	100.0	100.0	80.0
	Clarity	0.25 lb ai/a	A	208		100.0	100.0	70.0	70.0
	COC	1 % v/v	A	313		80.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		93.3	100.0	90.0	83.3
2	2,4-D	0.5 lb ai/a	A	102		95.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	217		90.0	100.0	100.0	100.0
	COC	1 % v/v	A	312		90.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		91.7	100.0	100.0	100.0
3	2,4-D	0.5 lb ai/a	A	103		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	216		80.0	100.0	100.0	100.0
	COC	1 % v/v	A	305		90.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	Metribuzin	0.28 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		90.0	100.0	100.0	100.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERYRE	STEME	VERAR
Pest Scientific Name	Ambrosia trifida	Erysimum repens	Stellaria media	Veronica arvensis
Pest Name	Giant ragweed	Bushy wallflower	Common chickweed	Corn speedwell
Rating Date	May-12-2015	May-12-2015	May-12-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	183 5	183 5	183 5
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	9	10	11	12
4	2,4-D	0.5 lb ai/a	A	104		98.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	206		70.0	100.0	100.0	100.0
	COC	1 % v/v	A	316		75.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		81.0	100.0	100.0	100.0
5	Sharpen	0.0223 lb ai/a	A	105		100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	218		80.0	100.0	100.0	100.0
	MSO	1 % v/v	A	317		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		93.3	100.0	100.0	100.0
6	2,4-D	0.5 lb ai/a	A	106		90.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	203		90.0	100.0	100.0	100.0
	COC	1 % v/v	A	308		100.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		93.3	100.0	100.0	100.0
7	2,4-D	0.5 lb ai/a	A	107		90.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	214		70.0	100.0	100.0	100.0
	COC	1 % v/v	A	302		90.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Gramoxone Inteon	0.75 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		83.3	100.0	100.0	100.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERYRE	STEME	VERAR
Pest Scientific Name	Ambrosia trifida	Erysimum repens	Stellaria media	Veronica arvensis
Pest Name	Giant ragweed	Bushy wallflower	Common chickweed	Corn speedwell
Rating Date	May-12-2015	May-12-2015	May-12-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	183 5	183 5	183 5
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	9	10	11	12
8	Sharpen	0.0223 lb ai/a	A	A	108	95.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	A	207	90.0	100.0	100.0	80.0
	MSO	1 % v/v	A	A	301	90.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A	A					
	Enlist Duo	1.98 lb ai/a	C	C					
	Sonic	0.197 lb ai/a	C	C					
	N-pak ams	2.5 % v/v	C	C					
	Enlist Duo	1.67 lb ai/a	D	D					
	N-pak ams	2.5 % v/v	D	D					
					Mean =	91.7	100.0	100.0	93.3
9	Roundup Power Max	0.56 lb ae/a	A	A	109	95.0	100.0	100.0	100.0
	Clarity	0.25 lb ai/a	A	A	204	90.0	100.0	100.0	100.0
	COC	1 % v/v	A	A	306	90.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A	A					
	Enlist Duo	1.98 lb ai/a	C	C					
	Sonic	0.197 lb ai/a	C	C					
	N-pak ams	2.5 % v/v	C	C					
	Enlist Duo	1.67 lb ai/a	D	D					
	N-pak ams	2.5 % v/v	D	D					
					Mean =	91.7	100.0	100.0	100.0
10	Sharpen	0.0223 lb ai/a	A	A	110	100.0	100.0	100.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	A	215	70.0	100.0	100.0	100.0
	MSO	1 % v/v	A	A	307	80.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A	A					
	2,4-D Ester	1 lb ai/a	B	B					
	Gramoxone Inteon	0.75 lb ai/a	B	B					
	Sonic	0.197 lb ai/a	B	B					
	COC	1 % v/v	B	B					
	N-pak ams	2.5 % v/v	B	B					
	Enlist Duo	1.67 lb ai/a	D	D					
	N-pak ams	2.5 % v/v	D	D					
					Mean =	83.3	100.0	100.0	100.0
11	Roundup Power Max	0.56 lb ae/a	A	A	111	95.0	100.0	100.0	100.0
	Clarity	0.25 lb ai/a	A	A	202	90.0	100.0	100.0	100.0
	COC	1 % v/v	A	A	310	90.0	100.0	100.0	100.0
	N-pak ams	2.5 % v/v	A	A					
	Enlist Duo	1.98 lb ai/a	C	C					
	Sonic	0.197 lb ai/a	C	C					
	N-pak ams	2.5 % v/v	C	C					
	Glufosinate	0.585 lb ai/a	D	D					
	N-pak ams	2.5 % v/v	D	D					
					Mean =	91.7	100.0	100.0	100.0
12	Sharpen	0.0223 lb ai/a	C	C	112	100.0	100.0	100.0	100.0
	Enlist Duo	1.98 lb ai/a	C	C	213	100.0	100.0	100.0	100.0
	Sonic	0.197 lb ai/a	C	C	304	85.0	100.0	95.0	100.0
	Metribuzin	0.28 lb ai/a	C	C					
	Exuro	1 % v/v	C	C					
	N-pak ams	2.5 % v/v	C	C					
	Roundup Power Max	1.5 lb ae/a	D	D					
	N-pak ams	2.5 % v/v	D	D					
					Mean =	95.0	100.0	98.3	100.0

The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERYRE	STEME	VERAR
Pest Scientific Name	Ambrosia trifida	Erysimum repens	Stellaria media	Veronica arvensis
Pest Name	Giant ragweed	Bushy wallflower	Common chickweed	Corn speedwell
Rating Date	May-12-2015	May-12-2015	May-12-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	183 5	183 5	183 5
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	9	10	11	12
13	Sharpen	0.0223 lb ai/a	C	113		100.0	90.0	90.0	100.0
	Enlist Duo	1.98 lb ai/a	C	209		100.0	50.0	90.0	90.0
	Sonic	0.197 lb ai/a	C	314		90.0	70.0	90.0	80.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					96.7	70.0	90.0	90.0
14	Sharpen	0.0223 lb ai/a	C	114		100.0	100.0	95.0	100.0
	Enlist Duo	1.98 lb ai/a	C	210		100.0	95.0	80.0	80.0
	Sonic	0.197 lb ai/a	C	303		80.0	70.0	80.0	80.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					93.3	88.3	85.0	86.7
15	Sharpen	0.0223 lb ai/a	C	115		100.0	80.0	90.0	100.0
	Enlist Duo	1.98 lb ai/a	C	212		100.0	60.0	100.0	100.0
	Sonic	0.197 lb ai/a	C	315		90.0	95.0	90.0	90.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					96.7	78.3	93.3	96.7
16	Enlist Duo	1.98 lb ai/a	C	116		90.0	50.0	70.0	50.0
	Sonic	0.197 lb ai/a	C	211		95.0	70.0	80.0	70.0
	N-pak ams	2.5 % v/v	C	309		90.0	50.0	70.0	70.0
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					91.7	56.7	73.3	63.3
17	Enlist Duo	1.98 lb ai/a	C	117		90.0	30.0	40.0	50.0
	N-pak ams	2.5 % v/v	C	201		100.0	50.0	50.0	50.0
	Enlist Duo	1.67 lb ai/a	D	318		80.0	60.0	70.0	70.0
	N-pak ams	2.5 % v/v	D						
	Mean =					90.0	46.7	53.3	56.7
18	Enlist Duo	1.98 lb ai/a	C	118		100.0	30.0	30.0	50.0
	N-pak ams	2.5 % v/v	C	205		90.0	80.0	53.8*	50.0
	Glufosinate	0.585 lb ai/a	D	311		90.0	70.0	80.0	70.0
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					93.3	60.0	54.6	56.7

The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	<i>Conyza canadensis</i>	<i>Setaria faberii</i>	<i>Ambrosia trifida</i>	<i>Chenopodium album</i>
Pest Name	Canada horsewee>	Giant foxtail	Giant ragweed	Common lambsqu>
Rating Date	May-12-2015	Jun-2-2015	Jun-2-2015	Jun-2-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	204 26	204 26	204 26
Plant-Eval Interval	5 DP-1	26 DP-1	26 DP-1	26 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	13	14	15	16
1	2,4-D	0.5 lb ai/a	A	101		80.0	97.0	100.0	100.0
	Clarity	0.25 lb ai/a	A	208		70.0	75.0	100.0	100.0
	COC	1 % v/v	A	313		80.0	50.0	70.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		76.7	74.0	90.0	100.0
2	2,4-D	0.5 lb ai/a	A	102		70.0	60.0	90.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	217		60.0	70.0	50.0	100.0
	COC	1 % v/v	A	312		60.0	50.0	70.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		63.3	60.0	70.0	100.0
3	2,4-D	0.5 lb ai/a	A	103		100.0	70.0	90.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	216		100.0	60.0	50.0	100.0
	COC	1 % v/v	A	305		100.0	70.0	60.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	Metribuzin	0.28 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	66.7	66.7	100.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberi	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	May-12-2015	Jun-2-2015	Jun-2-2015	Jun-2-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	204 26	204 26	204 26
Plant-Eval Interval	5 DP-1	26 DP-1	26 DP-1	26 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	13	14	15	16
4	2,4-D	0.5 lb ai/a	A	104		100.0	70.0	60.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	206		100.0	50.0	30.0	100.0
	COC	1 % v/v	A	316		100.0	30.0	0.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	50.0	30.0	100.0
5	Sharpen	0.0223 lb ai/a	A	105		80.0	60.0	70.0	70.0
	Roundup Power Max	0.56 lb ae/a	A	218		90.0	30.0	50.0	100.0
	MSO	1 % v/v	A	317		80.0	20.0	50.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		83.3	36.7	56.7	90.0
6	2,4-D	0.5 lb ai/a	A	106		90.0	50.0	60.0	90.0
	Roundup Power Max	0.56 lb ae/a	A	203		100.0	50.0	50.0	50.0
	COC	1 % v/v	A	308		70.0	40.0	80.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		86.7	46.7	63.3	80.0
7	2,4-D	0.5 lb ai/a	A	107		75.0	0.0	50.0	70.0
	Roundup Power Max	0.56 lb ae/a	A	214		80.0	30.0	30.0	100.0
	COC	1 % v/v	A	302		70.0	50.0	50.0	70.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Gramoxone Inteon	0.75 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		75.0	26.7	43.3	80.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberi	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	May-12-2015	Jun-2-2015	Jun-2-2015	Jun-2-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	204 26	204 26	204 26
Plant-Eval Interval	5 DP-1	26 DP-1	26 DP-1	26 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	13	14	15	16
8	Sharpen	0.0223 lb ai/a	A	108		50.0	60.0	60.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	207		80.0	50.0	70.0	100.0
	MSO	1 % v/v	A	301		70.0	30.0	90.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		66.7	46.7	73.3	100.0
9	Roundup Power Max	0.56 lb ae/a	A	109		70.0	30.0	70.0	100.0
	Clarity	0.25 lb ai/a	A	204		100.0	70.0	50.0	100.0
	COC	1 % v/v	A	306		80.0	30.0	90.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		83.3	43.3	70.0	100.0
10	Sharpen	0.0223 lb ai/a	A	110		100.0	95.0	40.4*	100.0
	Roundup Power Max	0.56 lb ae/a	A	215		100.0	50.0	30.0	100.0
	MSO	1 % v/v	A	307		100.0	30.0	30.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	58.3	33.5	100.0
11	Roundup Power Max	0.56 lb ae/a	A	111		75.0	50.0	90.0	70.0
	Clarity	0.25 lb ai/a	A	202		90.0	50.0	70.0	100.0
	COC	1 % v/v	A	310		80.0	50.0	50.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		81.7	50.0	70.0	90.0
12	Sharpen	0.0223 lb ai/a	C	112		100.0	70.0	80.0	90.0
	Enlist Duo	1.98 lb ai/a	C	213		97.0	70.0	75.0	100.0
	Sonic	0.197 lb ai/a	C	304		100.0	80.0	60.0	100.0
	Metribuzin	0.28 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		99.0	73.3	71.7	96.7

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberi	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	May-12-2015	Jun-2-2015	Jun-2-2015	Jun-2-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	204 26	204 26	204 26
Plant-Eval Interval	5 DP-1	26 DP-1	26 DP-1	26 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	13	14	15	16
13	Sharpen	0.0223 lb ai/a	C	113		97.0	40.0	50.0	100.0
	Enlist Duo	1.98 lb ai/a	C	209		100.0	60.0	90.0	70.0
	Sonic	0.197 lb ai/a	C	314		98.0	30.0	50.0	100.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					98.3	43.3	63.3	90.0
14	Sharpen	0.0223 lb ai/a	C	114		100.0	70.0	70.0	100.0
	Enlist Duo	1.98 lb ai/a	C	210		100.0	90.0	90.0	100.0
	Sonic	0.197 lb ai/a	C	303		100.0	30.0	60.0	100.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					100.0	63.3	73.3	100.0
15	Sharpen	0.0223 lb ai/a	C	115		100.0	70.0	60.0	100.0
	Enlist Duo	1.98 lb ai/a	C	212		100.0	30.0	50.0	100.0
	Sonic	0.197 lb ai/a	C	315		95.0	30.0	50.0	100.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					98.3	43.3	53.3	100.0
16	Enlist Duo	1.98 lb ai/a	C	116		95.0	80.0	50.0	100.0
	Sonic	0.197 lb ai/a	C	211		70.0	70.0	90.0	100.0
	N-pak ams	2.5 % v/v	C	309		70.0	70.0	70.0	100.0
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					78.3	73.3	70.0	100.0
17	Enlist Duo	1.98 lb ai/a	C	117		70.0	90.0	100.0	100.0
	N-pak ams	2.5 % v/v	C	201		70.0	60.0	90.0	100.0
	Enlist Duo	1.67 lb ai/a	D	318		70.0	30.0	70.0	100.0
	N-pak ams	2.5 % v/v	D						
	Mean =					70.0	60.0	86.7	100.0
18	Enlist Duo	1.98 lb ai/a	C	118		75.0	80.0	90.0	100.0
	N-pak ams	2.5 % v/v	C	205		70.0	30.0	70.0	70.0
	Glufosinate	0.585 lb ai/a	D	311		70.0	0.0	50.0	100.0
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					71.7	36.7	70.0	90.0

The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	<i>Conyza canadensis</i>	<i>Setaria faberii</i>	<i>Ambrosia trifida</i>	<i>Chenopodium album</i>
Pest Name	Canada horsewee>	Giant foxtail	Giant ragweed	Common lambsqu>
Rating Date	Jun-2-2015	Jul-7-2015	Jul-7-2015	Jul-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	204 26	239 34	239 34	239 34
Plant-Eval Interval	26 DP-1	61 DP-1	61 DP-1	61 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	17	18	19	20
1	2,4-D	0.5 lb ai/a	A	101		70.0	100.0	100.0	100.0
	Clarity	0.25 lb ai/a	A	208		60.0	99.0	95.0	100.0
	COC	1 % v/v	A	313		50.0	100.0	50.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		60.0	99.7	81.7	100.0
2	2,4-D	0.5 lb ai/a	A	102		60.0	99.0	95.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	217		60.0	100.0	60.0	100.0
	COC	1 % v/v	A	312		40.0	90.0	90.0	100.0
	N-pak ams	2.5 % v/v	A						
	Enlist Duo	1.98 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Metribuzin	0.28 lb ai/a	C						
	N-pak ams	2.5 % v/v	C						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		53.3	96.3	81.7	100.0
3	2,4-D	0.5 lb ai/a	A	103		100.0	100.0	90.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	216		100.0	100.0	70.0	100.0
	COC	1 % v/v	A	305		100.0	98.0	70.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	Metribuzin	0.28 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Roundup Power Max	1.5 lb ae/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		100.0	99.3	76.7	100.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberi	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	Jun-2-2015	Jul-7-2015	Jul-7-2015	Jul-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	204 26	239 34	239 34	239 34
Plant-Eval Interval	26 DP-1	61 DP-1	61 DP-1	61 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	17	18	19	20
4	2,4-D	0.5 lb ai/a	A	104		100.0	98.0	70.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	206		80.0	60.0	40.0	100.0
	COC	1 % v/v	A	316		95.0	90.0	50.0	100.0
	N-pak ams	2.5 % v/v	A						
	2,4-D Ester	1 lb ai/a	B						
	Gramoxone Inteon	0.75 lb ai/a	B						
	Sonic	0.197 lb ai/a	B						
	COC	1 % v/v	B						
	N-pak ams	2.5 % v/v	B						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		91.7	82.7	53.3	100.0
5	Sharpen	0.0223 lb ai/a	A	105		60.0	98.0	90.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	218		50.0	100.0	60.0	100.0
	MSO	1 % v/v	A	317		60.0	100.0	70.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		56.7	99.3	73.3	100.0
6	2,4-D	0.5 lb ai/a	A	106		60.0	98.0	70.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	203		60.0	100.0	60.0	100.0
	COC	1 % v/v	A	308		50.0	99.0	80.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Roundup Power Max	0.75 lb ae/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		56.7	99.0	70.0	100.0
7	2,4-D	0.5 lb ai/a	A	107		50.0	98.0	80.0	100.0
	Roundup Power Max	0.56 lb ae/a	A	214		40.0	90.0	60.0	100.0
	COC	1 % v/v	A	302		60.0	100.0	60.0	100.0
	N-pak ams	2.5 % v/v	A						
	Sharpen	0.0223 lb ai/a	C						
	Gramoxone Inteon	0.75 lb ai/a	C						
	Sonic	0.197 lb ai/a	C						
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
				Mean =		50.0	96.0	66.7	100.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberi	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	Jun-2-2015	Jul-7-2015	Jul-7-2015	Jul-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	204 26	239 34	239 34	239 34
Plant-Eval Interval	26 DP-1	61 DP-1	61 DP-1	61 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	17	18	19	20
8	Sharpen	0.0223 lb	ai/a	A	108	50.0	100.0	70.0	100.0
	Roundup Power Max	0.56 lb	ae/a	A	207	50.0	95.0	80.0	100.0
	MSO	1 %	v/v	A	301	50.0	100.0	95.0	100.0
	N-pak ams	2.5 %	v/v	A					
	Enlist Duo	1.98 lb	ai/a	C					
	Sonic	0.197 lb	ai/a	C					
	N-pak ams	2.5 %	v/v	C					
	Enlist Duo	1.67 lb	ai/a	D					
	N-pak ams	2.5 %	v/v	D					
					Mean =	50.0	98.3	81.7	100.0
9	Roundup Power Max	0.56 lb	ae/a	A	109	30.0	100.0	50.0	100.0
	Clarity	0.25 lb	ai/a	A	204	70.0	90.0	50.0	100.0
	COC	1 %	v/v	A	306	60.0	95.0	90.0	100.0
	N-pak ams	2.5 %	v/v	A					
	Enlist Duo	1.98 lb	ai/a	C					
	Sonic	0.197 lb	ai/a	C					
	N-pak ams	2.5 %	v/v	C					
	Enlist Duo	1.67 lb	ai/a	D					
	N-pak ams	2.5 %	v/v	D					
					Mean =	53.3	95.0	63.3	100.0
10	Sharpen	0.0223 lb	ai/a	A	110	85.0	100.0	90.0	100.0
	Roundup Power Max	0.56 lb	ae/a	A	215	90.0	95.0	70.0	100.0
	MSO	1 %	v/v	A	307	100.0	100.0	60.0	100.0
	N-pak ams	2.5 %	v/v	A					
	2,4-D Ester	1 lb	ai/a	B					
	Gramoxone Inteon	0.75 lb	ai/a	B					
	Sonic	0.197 lb	ai/a	B					
	COC	1 %	v/v	B					
	N-pak ams	2.5 %	v/v	B					
	Enlist Duo	1.67 lb	ai/a	D					
	N-pak ams	2.5 %	v/v	D					
					Mean =	91.7	98.3	73.3	100.0
11	Roundup Power Max	0.56 lb	ae/a	A	111	50.0	100.0	70.0	100.0
	Clarity	0.25 lb	ai/a	A	202	50.0	100.0	60.0	100.0
	COC	1 %	v/v	A	310	50.0	100.0	60.0	100.0
	N-pak ams	2.5 %	v/v	A					
	Enlist Duo	1.98 lb	ai/a	C					
	Sonic	0.197 lb	ai/a	C					
	N-pak ams	2.5 %	v/v	C					
	Glufosinate	0.585 lb	ai/a	D					
	N-pak ams	2.5 %	v/v	D					
					Mean =	50.0	100.0	63.3	100.0
12	Sharpen	0.0223 lb	ai/a	C	112	90.0	95.0	50.0	100.0
	Enlist Duo	1.98 lb	ai/a	C	213	95.0	95.0	20.0	100.0
	Sonic	0.197 lb	ai/a	C	304	90.0	90.0	30.0	100.0
	Metribuzin	0.28 lb	ai/a	C					
	Exuro	1 %	v/v	C					
	N-pak ams	2.5 %	v/v	C					
	Roundup Power Max	1.5 lb	ae/a	D					
	N-pak ams	2.5 %	v/v	D					
					Mean =	91.7	93.3	33.3	100.0

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberi	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	Jun-2-2015	Jul-7-2015	Jul-7-2015	Jul-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	204 26	239 34	239 34	239 34
Plant-Eval Interval	26 DP-1	61 DP-1	61 DP-1	61 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	17	18	19	20
13	Sharpen	0.0223 lb ai/a	C	113		50.0	80.0	60.0	100.0
	Enlist Duo	1.98 lb ai/a	C	209		60.0	90.0	90.0	90.0
	Sonic	0.197 lb ai/a	C	314		30.0	90.0	50.0	100.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					46.7	86.7	66.7	96.7
14	Sharpen	0.0223 lb ai/a	C	114		97.0	99.0	80.0	100.0
	Enlist Duo	1.98 lb ai/a	C	210		80.0	100.0	70.0	100.0
	Sonic	0.197 lb ai/a	C	303		70.0	97.0	70.0	100.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					82.3	98.7	73.3	100.0
15	Sharpen	0.0223 lb ai/a	C	115		70.0	95.0	50.0	100.0
	Enlist Duo	1.98 lb ai/a	C	212		95.0	90.0	30.0	100.0
	Sonic	0.197 lb ai/a	C	315		95.0	90.0	80.0	100.0
	Exuro	1 % v/v	C						
	N-pak ams	2.5 % v/v	C						
	Glufosinate	0.585 lb ai/a	D						
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					86.7	91.7	53.3	100.0
16	Enlist Duo	1.98 lb ai/a	C	116		90.0	90.0	50.0	100.0
	Sonic	0.197 lb ai/a	C	211		60.0	99.0	90.0	100.0
	N-pak ams	2.5 % v/v	C	309		60.0	90.0	60.0	100.0
	Enlist Duo	1.67 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					70.0	93.0	66.7	100.0
17	Enlist Duo	1.98 lb ai/a	C	117		50.0	100.0	100.0	90.0
	N-pak ams	2.5 % v/v	C	201		50.0	90.0	100.0	100.0
	Enlist Duo	1.67 lb ai/a	D	318		50.0	90.0	99.1*	100.0
	N-pak ams	2.5 % v/v	D						
	Mean =					50.0	93.3	99.7	96.7
18	Enlist Duo	1.98 lb ai/a	C	118		60.0	95.0	70.0	100.0
	N-pak ams	2.5 % v/v	C	205		50.0	75.0	60.0	100.0
	Glufosinate	0.585 lb ai/a	D	311		60.0	90.0	70.0	100.0
	2,4-D Ester	0.8 lb ai/a	D						
	N-pak ams	2.5 % v/v	D						
	Mean =					56.7	86.7	66.7	100.0

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Pest Type	W Weed	W Weed
Pest Code	ERICA	ERICA
Pest Scientific Name	Conyza canadensis	Conyza canadensis
Pest Name	Canada horseweed	Canada horseweed
Rating Date	Jul-7-2015	Jul-13-2015
Rating Type	CONTRO	COUNT
Rating Unit	%	1 row mi
Number of Subsamples	1	1
Days After First/Last Applic.	239 34	245 40
Plant-Eval Interval	61 DP-1	67 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	21	22
1	2,4-D	0.5 lb ai/a	A	101		80.0	1.0
	Clarity	0.25 lb ai/a	A	208		60.0	26.0
	COC	1 % v/v	A	313		90.0	0.0
	N-pak ams	2.5 % v/v	A				
	Enlist Duo	1.98 lb ai/a	C				
	Sonic	0.197 lb ai/a	C				
	Metribuzin	0.28 lb ai/a	C				
	N-pak ams	2.5 % v/v	C				
	Roundup Power Max	1.5 lb ae/a	D				
	N-pak ams	2.5 % v/v	D				
				Mean =		76.7	9.0
2	2,4-D	0.5 lb ai/a	A	102		70.0	12.0
	Roundup Power Max	0.56 lb ae/a	A	217		60.0	17.0
	COC	1 % v/v	A	312		40.0	13.0
	N-pak ams	2.5 % v/v	A				
	Enlist Duo	1.98 lb ai/a	C				
	Sonic	0.197 lb ai/a	C				
	Metribuzin	0.28 lb ai/a	C				
	N-pak ams	2.5 % v/v	C				
	Roundup Power Max	1.5 lb ae/a	D				
	N-pak ams	2.5 % v/v	D				
				Mean =		56.7	14.0
3	2,4-D	0.5 lb ai/a	A	103		100.0	0.0
	Roundup Power Max	0.56 lb ae/a	A	216		100.0	0.0
	COC	1 % v/v	A	305		100.0	0.0
	N-pak ams	2.5 % v/v	A				
	2,4-D Ester	1 lb ai/a	B				
	Gramoxone Inteon	0.75 lb ai/a	B				
	Sonic	0.197 lb ai/a	B				
	Metribuzin	0.28 lb ai/a	B				
	COC	1 % v/v	B				
	N-pak ams	2.5 % v/v	B				
	Roundup Power Max	1.5 lb ae/a	D				
	N-pak ams	2.5 % v/v	D				
				Mean =		100.0	0.0

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Pest Type	W Weed	W Weed
Pest Code	ERICA	ERICA
Pest Scientific Name	Conyza canadensis	Conyza canadensis
Pest Name	Canada horseweed	Canada horseweed
Rating Date	Jul-7-2015	Jul-13-2015
Rating Type	CONTRO	COUNT
Rating Unit	%	1 row mi
Number of Subsamples	1	1
Days After First/Last Applic.	239 34	245 40
Plant-Eval Interval	61 DP-1	67 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	21	22
4	2,4-D	0.5 lb ai/a	A	104		100.0	0.0
	Roundup Power Max	0.56 lb ae/a	A	206		100.0	0.0
	COC	1 % v/v	A	316		95.0	0.0
	N-pak ams	2.5 % v/v	A				
	2,4-D Ester	1 lb ai/a	B				
	Gramoxone Inteon	0.75 lb ai/a	B				
	Sonic	0.197 lb ai/a	B				
	COC	1 % v/v	B				
	N-pak ams	2.5 % v/v	B				
	Glufosinate	0.585 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
				Mean =		98.3	0.0
5	Sharpen	0.0223 lb ai/a	A	105		100.0	0.0
	Roundup Power Max	0.56 lb ae/a	A	218		100.0	0.0
	MSO	1 % v/v	A	317		100.0	0.0
	N-pak ams	2.5 % v/v	A				
	Sharpen	0.0223 lb ai/a	C				
	Roundup Power Max	0.75 lb ae/a	C				
	Sonic	0.197 lb ai/a	C				
	Exuro	1 % v/v	C				
	N-pak ams	2.5 % v/v	C				
	Enlist Duo	1.67 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
				Mean =		100.0	0.0
6	2,4-D	0.5 lb ai/a	A	106		100.0	0.0
	Roundup Power Max	0.56 lb ae/a	A	203		100.0	0.0
	COC	1 % v/v	A	308		100.0	0.0
	N-pak ams	2.5 % v/v	A				
	Sharpen	0.0223 lb ai/a	C				
	Roundup Power Max	0.75 lb ae/a	C				
	Sonic	0.197 lb ai/a	C				
	Exuro	1 % v/v	C				
	N-pak ams	2.5 % v/v	C				
	Enlist Duo	1.67 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
				Mean =		100.0	0.0
7	2,4-D	0.5 lb ai/a	A	107		100.0	0.0
	Roundup Power Max	0.56 lb ae/a	A	214		100.0	0.0
	COC	1 % v/v	A	302		100.0	0.0
	N-pak ams	2.5 % v/v	A				
	Sharpen	0.0223 lb ai/a	C				
	Gramoxone Inteon	0.75 lb ai/a	C				
	Sonic	0.197 lb ai/a	C				
	Exuro	1 % v/v	C				
	N-pak ams	2.5 % v/v	C				
	Enlist Duo	1.67 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
				Mean =		100.0	0.0

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Pest Type	W Weed	W Weed
Pest Code	ERICA	ERICA
Pest Scientific Name	Conyza canadensis	Conyza canadensis
Pest Name	Canada horseweed	Canada horseweed
Rating Date	Jul-7-2015	Jul-13-2015
Rating Type	CONTRO	COUNT
Rating Unit	%	1 row mi
Number of Subsamples	1	1
Days After First/Last Applic.	239 34	245 40
Plant-Eval Interval	61 DP-1	67 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	21	22
8	Sharpen	0.0223 lb ai/a	A	108		100.0	0.0
	Roundup Power Max	0.56 lb ae/a	A	207		100.0	0.0
	MSO	1 % v/v	A	301		100.0	0.0
	N-pak ams	2.5 % v/v	A				
	Enlist Duo	1.98 lb ai/a	C				
	Sonic	0.197 lb ai/a	C				
	N-pak ams	2.5 % v/v	C				
	Enlist Duo	1.67 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
	Mean =						100.0
9	Roundup Power Max	0.56 lb ae/a	A	109		90.0	0.0
	Clarity	0.25 lb ai/a	A	204		100.0	0.0
	COC	1 % v/v	A	306		100.0	0.0
	N-pak ams	2.5 % v/v	A				
	Enlist Duo	1.98 lb ai/a	C				
	Sonic	0.197 lb ai/a	C				
	N-pak ams	2.5 % v/v	C				
	Enlist Duo	1.67 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
Mean =						96.7	0.0
10	Sharpen	0.0223 lb ai/a	A	110		100.0	0.0
	Roundup Power Max	0.56 lb ae/a	A	215		100.0	0.0
	MSO	1 % v/v	A	307		100.0	0.0
	N-pak ams	2.5 % v/v	A				
	2,4-D Ester	1 lb ai/a	B				
	Gramoxone Inteon	0.75 lb ai/a	B				
	Sonic	0.197 lb ai/a	B				
	COC	1 % v/v	B				
	N-pak ams	2.5 % v/v	B				
	Enlist Duo	1.67 lb ai/a	D				
N-pak ams	2.5 % v/v	D					
Mean =						100.0	0.0
11	Roundup Power Max	0.56 lb ae/a	A	111		85.0	3.0
	Clarity	0.25 lb ai/a	A	202		85.0	15.0
	COC	1 % v/v	A	310		80.0	0.0
	N-pak ams	2.5 % v/v	A				
	Enlist Duo	1.98 lb ai/a	C				
	Sonic	0.197 lb ai/a	C				
	N-pak ams	2.5 % v/v	C				
	Glufosinate	0.585 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
	Mean =						83.3
12	Sharpen	0.0223 lb ai/a	C	112		70.0	0.0
	Enlist Duo	1.98 lb ai/a	C	213		70.0	1.0
	Sonic	0.197 lb ai/a	C	304		90.0	1.0
	Metribuzin	0.28 lb ai/a	C				
	Exuro	1 % v/v	C				
	N-pak ams	2.5 % v/v	C				
	Roundup Power Max	1.5 lb ae/a	D				
	N-pak ams	2.5 % v/v	D				
Mean =						76.7	0.7

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Pest Type	W Weed	W Weed
Pest Code	ERICA	ERICA
Pest Scientific Name	Conyza canadensis	Conyza canadensis
Pest Name	Canada horseweed	Canada horseweed
Rating Date	Jul-7-2015	Jul-13-2015
Rating Type	CONTRO	COUNT
Rating Unit	%	1 row mi
Number of Subsamples	1	1
Days After First/Last Applic.	239 34	245 40
Plant-Eval Interval	61 DP-1	67 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	21	22
13	Sharpen	0.0223 lb ai/a	C	113		100.0	2.0
	Enlist Duo	1.98 lb ai/a	C	209		90.0	6.0
	Sonic	0.197 lb ai/a	C	314		100.0	1.0
	Exuro	1 % v/v	C				
	N-pak ams	2.5 % v/v	C				
	Glufosinate	0.585 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
	Mean =					96.7	3.0
14	Sharpen	0.0223 lb ai/a	C	114		100.0	0.0
	Enlist Duo	1.98 lb ai/a	C	210		100.0	0.0
	Sonic	0.197 lb ai/a	C	303		100.0	1.0
	Exuro	1 % v/v	C				
	N-pak ams	2.5 % v/v	C				
	Enlist Duo	1.67 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
	Mean =					100.0	0.3
15	Sharpen	0.0223 lb ai/a	C	115		100.0	0.0
	Enlist Duo	1.98 lb ai/a	C	212		70.0	5.0
	Sonic	0.197 lb ai/a	C	315		100.0	0.0
	Exuro	1 % v/v	C				
	N-pak ams	2.5 % v/v	C				
	Glufosinate	0.585 lb ai/a	D				
	2,4-D Ester	0.8 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
	Mean =					90.0	1.7
16	Enlist Duo	1.98 lb ai/a	C	116		100.0	0.0
	Sonic	0.197 lb ai/a	C	211		100.0	0.0
	N-pak ams	2.5 % v/v	C	309		100.0	2.0
	Enlist Duo	1.67 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
	Mean =					100.0	0.7
17	Enlist Duo	1.98 lb ai/a	C	117		100.0	0.0
	N-pak ams	2.5 % v/v	C	201		100.0	0.0
	Enlist Duo	1.67 lb ai/a	D	318		100.0	0.0
	N-pak ams	2.5 % v/v	D				
	Mean =					100.0	0.0
18	Enlist Duo	1.98 lb ai/a	C	118		100.0	0.0
	N-pak ams	2.5 % v/v	C	205		100.0	10.0
	Glufosinate	0.585 lb ai/a	D	311		100.0	7.0
	2,4-D Ester	0.8 lb ai/a	D				
	N-pak ams	2.5 % v/v	D				
	Mean =					100.0	5.7

The Ohio State University

OSU Fall/Spring marestail programs in Enlist soybeans

Trial ID: 15 OSUFALL1 Location: F-10 MIDDLE Trial Year: 2015
Protocol ID: 15 OSUFALL1 Investigator: Dr. Mark M. Loux
Project ID: 15 OSUFALL1 Study Director:
Sponsor Contact:

Pest Type

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

Pest Code

LAMPU, Lamium purpureum, = US
AMBTR, Ambrosia trifida, = US
ERYRE, Erysimum repandum, = US
ERPSS, Erophila sp., = US
STEME, Stellaria media, = US
VERAR, Veronica arvensis, = US
ERICA, Conyza canadensis, = US
SETFA, Setaria faberi, = US
CHEAL, Chenopodium album, = US

Rating Type

CONTRO = control / burndown or knockdown
COUNT = count

Rating Unit

% = percent

Plant-Eval Interval

-8 DP-1 = 1 GLXMA May-7-2015
5 DP-1 = 1 GLXMA May-7-2015
26 DP-1 = 1 GLXMA May-7-2015
61 DP-1 = 1 GLXMA May-7-2015
67 DP-1 = 1 GLXMA May-7-2015

The Ohio State University

OSU Fall/Spring marestail programs in Enlist soybeans

Trial ID: 15 OSUFALL1 Location: F-10 MIDDLE Trial Year: 2015
 Protocol ID: 15 OSUFALL1 Investigator: Dr. Mark M. Loux
 Project ID: 15 OSUFALL1 Study Director:
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	AMBTR	ERYRE	ERPSS
Pest Scientific Name	Lamium purpure>	Ambrosia trifi>	Erysimum repa>	Erophila sp.
Pest Name	Purple deadnet>	Giant ragweed	Bushy wallflow>	Whitlowgrass
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	Apr-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	170 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	1	2	3	4
1	2,4-D	0.5 lb ai/a	A		66.0 b	22.7 bc	93.3 a	100.0 a
	Clarity	0.25 lb ai/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
2	2,4-D	0.5 lb ai/a	A		100.0 a	56.7 b	100.0 a	96.7 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
3	2,4-D	0.5 lb ai/a	A		100.0 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	Metribuzin	0.28 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
4	2,4-D	0.5 lb ai/a	A		100.0 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Glufosinate	0.585 lb ai/a	D					
	N-pak ams	2.5 % v/v	D					

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Yates=2,11,15,19

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	AMBTR	ERYRE	ERPSS
Pest Scientific Name	Lamium purpure>	Ambrosia trifi>	Erysimum repa>	Erophila sp.
Pest Name	Purple deadnet>	Giant ragweed	Bushy wallflow>	Whitlowgrass
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	Apr-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	170 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1	2	3	4
5	Sharpen	0.0223	lb ai/a	A	100.0 a	16.7 c	93.3 a	93.3 ab
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
6	2,4-D	0.5	lb ai/a	A	100.0 a	23.3 bc	92.7 a	99.3 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
7	2,4-D	0.5	lb ai/a	A	100.0 a	30.0 bc	93.3 a	99.3 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Gramoxone Inteon	0.75	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
8	Sharpen	0.0223	lb ai/a	A	100.0 a	40.0 bc	86.7 a	97.3 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
9	Roundup Power Max	0.56	lb ae/a	A	100.0 a	33.3 bc	88.3 a	93.3 ab
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	AMBTR	ERYRE	ERPSS
Pest Scientific Name	Lamium purpure>	Ambrosia trifi>	Erysimum repa>	Erophila sp.
Pest Name	Purple deadnet>	Giant ragweed	Bushy wallflow>	Whitlowgrass
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	Apr-29-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	170 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1	2	3	4
10	Sharpen	0.0223	lb ai/a	A	100.0 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	2,4-D Ester	1	lb ai/a	B				
	Gramoxone Inteon	0.75	lb ai/a	B				
	Sonic	0.197	lb ai/a	B				
	COC	1	% v/v	B				
	N-pak ams	2.5	% v/v	B				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
11	Roundup Power Max	0.56	lb ae/a	A	100.0 a	36.7 bc	73.3 b	80.0 b
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
12	Sharpen	0.0223	lb ai/a	C	0.0 c	0.0 c	0.0 c	0.0 c
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Metribuzin	0.28	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Roundup Power Max	1.5	lb ae/a	D				
	N-pak ams	2.5	% v/v	D				
13	Sharpen	0.0223	lb ai/a	C	0.0 c	0.0 c	0.0 c	0.0 c
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
14	Sharpen	0.0223	lb ai/a	C	0.0 c	0.0 c	0.0 c	0.0 c
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
15	Sharpen	0.0223	lb ai/a	C	0.0 c	0.0 c	0.0 c	0.0 c
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	2,4-D Ester	0.8	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
16	Enlist Duo	1.98	lb ai/a	C	0.0 c	0.0 c	0.0 c	0.0 c
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		LAMPU	AMBTR	ERYRE	ERPSS
Pest Scientific Name		Lamium purpure>	Ambrosia trifi>	Erysimum repa>	Erophila sp.
Pest Name		Purple deadnet>	Giant ragweed	Bushy wallflow>	Whitlowgrass
Rating Date		Apr-29-2015	Apr-29-2015	Apr-29-2015	Apr-29-2015
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%
Number of Subsamples		1	1	1	1
Days After First/Last Applic.		170 5	170 5	170 5	170 5
Plant-Eval Interval		-8 DP-1	-8 DP-1	-8 DP-1	-8 DP-1

Trt Treatment	Rate	Rate Unit	Appl Code	1	2	3	4
17 Enlist Duo	1.98 lb ai/a	C		0.0 c	0.0 c	0.0 c	0.0 c
N-pak ams	2.5 % v/v	C					
Enlist Duo	1.67 lb ai/a	D					
N-pak ams	2.5 % v/v	D					
18 Enlist Duo	1.98 lb ai/a	C		0.0 c	0.0 c	0.0 c	0.0 c
N-pak ams	2.5 % v/v	C					
Glufosinate	0.585 lb ai/a	D					
2,4-D Ester	0.8 lb ai/a	D					
N-pak ams	2.5 % v/v	D					
LSD P=.05				10.84	24.48	11.47	11.18
Standard Deviation				6.53	14.73	6.91	6.74
CV				11.03	47.41	12.19	11.45
Bartlett's X2				0.0	2.81	1.173	24.104
P(Bartlett's X2)				.	0.902	0.978	0.001*
Replicate F				1.000	1.495	0.713	3.575
Replicate Prob(F)				0.3784	0.2391	0.4975	0.0390
Treatment F				170.508	17.980	138.495	155.620
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	VERAR	ERICA	LAMPU
Pest Scientific Name	Stellaria media	Veronica arven>	Conyza canadens>	Lamium purpure>
Pest Name	Common chickwe>	Corn speedwell	Canada horsewe>	Purple deadnet>
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	183 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	5	6	7	8
1	2,4-D	0.5 lb ai/a	A		93.3 a	86.7 b	96.7 ab	91.0 ab
	Clarity	0.25 lb ai/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
2	2,4-D	0.5 lb ai/a	A		100.0 a	98.3 a	83.3 ab	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
3	2,4-D	0.5 lb ai/a	A		100.0 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	Metribuzin	0.28 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
4	2,4-D	0.5 lb ai/a	A		100.0 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Glufosinate	0.585 lb ai/a	D					
	N-pak ams	2.5 % v/v	D					

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	VERAR	ERICA	LAMPU
Pest Scientific Name	Stellaria media	Veronica arven>	Conyza canadens>	Lamium purpure>
Pest Name	Common chickwe>	Corn speedwell	Canada horsewe>	Purple deadnet>
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	183 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	5	6	7	8
5	Sharpen	0.0223	lb ai/a	A	100.0 a	100.0 a	95.0 ab	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
6	2,4-D	0.5	lb ai/a	A	99.0 a	100.0 a	80.0 b	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
7	2,4-D	0.5	lb ai/a	A	96.7 a	96.7 a	100.0 a	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Gramoxone Inteon	0.75	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
8	Sharpen	0.0223	lb ai/a	A	100.0 a	100.0 a	96.7 ab	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
9	Roundup Power Max	0.56	lb ae/a	A	100.0 a	100.0 a	90.0 ab	100.0 a
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	VERAR	ERICA	LAMPU
Pest Scientific Name	Stellaria media	Veronica arven>	Conyza canadens>	Lamium purpure>
Pest Name	Common chickwe>	Corn speedwell	Canada horsewe>	Purple deadnet>
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	183 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	5	6	7	8
10	Sharpen	0.0223	lb ai/a	A	100.0 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1 %	v/v	A				
	N-pak ams	2.5 %	v/v	A				
	2,4-D Ester	1	lb ai/a	B				
	Gramoxone Inteon	0.75	lb ai/a	B				
	Sonic	0.197	lb ai/a	B				
	COC	1 %	v/v	B				
	N-pak ams	2.5 %	v/v	B				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5 %	v/v	D				
11	Roundup Power Max	0.56	lb ae/a	A	100.0 a	100.0 a	93.3 ab	100.0 a
	Clarity	0.25	lb ai/a	A				
	COC	1 %	v/v	A				
	N-pak ams	2.5 %	v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5 %	v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5 %	v/v	D				
12	Sharpen	0.0223	lb ai/a	C	0.0 b	0.0 c	0.0 c	100.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Metribuzin	0.28	lb ai/a	C				
	Exuro	1 %	v/v	C				
	N-pak ams	2.5 %	v/v	C				
	Roundup Power Max	1.5	lb ae/a	D				
	N-pak ams	2.5 %	v/v	D				
13	Sharpen	0.0223	lb ai/a	C	0.0 b	0.0 c	0.0 c	86.7 ab
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1 %	v/v	C				
	N-pak ams	2.5 %	v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5 %	v/v	D				
14	Sharpen	0.0223	lb ai/a	C	0.0 b	0.0 c	0.0 c	90.0 ab
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1 %	v/v	C				
	N-pak ams	2.5 %	v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5 %	v/v	D				
15	Sharpen	0.0223	lb ai/a	C	0.0 b	0.0 c	0.0 c	90.0 ab
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1 %	v/v	C				
	N-pak ams	2.5 %	v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	2,4-D Ester	0.8	lb ai/a	D				
	N-pak ams	2.5 %	v/v	D				
16	Enlist Duo	1.98	lb ai/a	C	0.0 b	0.0 c	0.0 c	73.3 bc
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5 %	v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5 %	v/v	D				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	VERAR	ERICA	LAMPU
Pest Scientific Name	Stellaria media	Veronica arven>	Conyza canad>	Lamium purpure>
Pest Name	Common chickwe>	Corn speedwell	Canada horsewe>	Purple deadnet>
Rating Date	Apr-29-2015	Apr-29-2015	Apr-29-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	170 5	170 5	170 5	183 5
Plant-Eval Interval	-8 DP-1	-8 DP-1	-8 DP-1	5 DP-1

Trt Treatment No. Name	Rate	Rate Unit	Appl Code	5	6	7	8
17 Enlist Duo	1.98 lb ai/a	C		0.0 b	0.0 c	0.0 c	56.7 d
N-pak ams	2.5 % v/v	C					
Enlist Duo	1.67 lb ai/a	D					
N-pak ams	2.5 % v/v	D					
18 Enlist Duo	1.98 lb ai/a	C		0.0 b	0.0 c	0.0 c	66.7 cd
N-pak ams	2.5 % v/v	C					
Glufosinate	0.585 lb ai/a	D					
2,4-D Ester	0.8 lb ai/a	D					
N-pak ams	2.5 % v/v	D					
LSD P=.05				5.13	6.46	11.35	12.64
Standard Deviation				3.09	3.89	6.84	7.62
CV				5.11	6.48	11.9	8.29
Bartlett's X2				5.09	4.831	4.322	5.095
P(Bartlett's X2)				0.078	0.089	0.633	0.532
Replicate F				0.774	1.129	0.801	2.829
Replicate Prob(F)				0.4691	0.3351	0.4571	0.0731
Treatment F				775.930	483.090	144.592	9.057
Treatment Prob(F)				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	ERYRE	STEME	VERAR
Pest Scientific Name	Ambrosia trifidi>	Erysimum repan>	Stellaria media	Veronica arven>
Pest Name	Giant ragweed	Bushy wallflow>	Common chickwe>	Corn speedwell
Rating Date	May-12-2015	May-12-2015	May-12-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	183 5	183 5	183 5
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	9	10	11	12
1	2,4-D	0.5 lb ai/a	A		93.3 a	100.0 a	90.0 ab	83.3 a
	Clarity	0.25 lb ai/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
2	2,4-D	0.5 lb ai/a	A		91.7 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
3	2,4-D	0.5 lb ai/a	A		90.0 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	Metribuzin	0.28 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
4	2,4-D	0.5 lb ai/a	A		81.0 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Glufosinate	0.585 lb ai/a	D					
	N-pak ams	2.5 % v/v	D					

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERYRE	STEME	VERAR
Pest Scientific Name	Ambrosia trifida	Erysimum repens	Stellaria media	Veronica arvensis
Pest Name	Giant ragweed	Bushy wallflower	Common chickweed	Corn speedwell
Rating Date	May-12-2015	May-12-2015	May-12-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	183 5	183 5	183 5
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	9	10	11	12
5	Sharpen	0.0223	lb ai/a	A	93.3 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
6	2,4-D	0.5	lb ai/a	A	93.3 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
7	2,4-D	0.5	lb ai/a	A	83.3 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Gramoxone Inteon	0.75	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
8	Sharpen	0.0223	lb ai/a	A	91.7 a	100.0 a	100.0 a	93.3 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
9	Roundup Power Max	0.56	lb ae/a	A	91.7 a	100.0 a	100.0 a	100.0 a
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERYRE	STEME	VERAR
Pest Scientific Name	Ambrosia trifida	Erysimum repens	Stellaria media	Veronica arvensis
Pest Name	Giant ragweed	Bushy wallflower	Common chickweed	Corn speedwell
Rating Date	May-12-2015	May-12-2015	May-12-2015	May-12-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	183 5	183 5	183 5
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	9	10	11	12
10	Sharpen	0.0223	lb ai/a	A	83.3 a	100.0 a	100.0 a	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	2,4-D Ester	1	lb ai/a	B				
	Gramoxone Inteon	0.75	lb ai/a	B				
	Sonic	0.197	lb ai/a	B				
	COC	1	% v/v	B				
	N-pak ams	2.5	% v/v	B				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
11	Roundup Power Max	0.56	lb ae/a	A	91.7 a	100.0 a	100.0 a	100.0 a
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
12	Sharpen	0.0223	lb ai/a	C	95.0 a	100.0 a	98.3 a	100.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Metribuzin	0.28	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Roundup Power Max	1.5	lb ae/a	D				
	N-pak ams	2.5	% v/v	D				
13	Sharpen	0.0223	lb ai/a	C	96.7 a	70.0 abc	90.0 ab	90.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
14	Sharpen	0.0223	lb ai/a	C	93.3 a	88.3 a	85.0 ab	86.7 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
15	Sharpen	0.0223	lb ai/a	C	96.7 a	78.3 ab	93.3 ab	96.7 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	2,4-D Ester	0.8	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
16	Enlist Duo	1.98	lb ai/a	C	91.7 a	56.7 bc	73.3 b	63.3 b
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type	W Weed	W Weed	W Weed	W Weed			
Pest Code	AMBTR	ERYRE	STEME	VERAR			
Pest Scientific Name	Ambrosia trifida	Erysimum repens	Stellaria media	Veronica arvensis			
Pest Name	Giant ragweed	Bushy wallflower	Common chickweed	Corn speedwell			
Rating Date	May-12-2015	May-12-2015	May-12-2015	May-12-2015			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%			
Number of Subsamples	1	1	1	1			
Days After First/Last Applic.	183 5	183 5	183 5	183 5			
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1			
Trt Treatment	Rate	Rate Unit	Appl Code	9	10	11	12
17 Enlist Duo	1.98 lb ai/a	C		90.0 a	46.7 c	53.3 c	56.7 b
N-pak ams	2.5 % v/v	C					
Enlist Duo	1.67 lb ai/a	D					
N-pak ams	2.5 % v/v	D					
18 Enlist Duo	1.98 lb ai/a	C		93.3 a	60.0 bc	54.6 c	56.7 b
N-pak ams	2.5 % v/v	C					
Glufosinate	0.585 lb ai/a	D					
2,4-D Ester	0.8 lb ai/a	D					
N-pak ams	2.5 % v/v	D					
LSD P=.05				12.97	18.07	14.46	12.50
Standard Deviation				7.82	10.89	8.71	7.53
CV				8.58	12.25	9.57	8.34
Bartlett's X2				17.641	1.481	11.762	1.604
P(Bartlett's X2)				0.412	0.915	0.068	0.978
Replicate F				6.557	0.152	0.769	1.207
Replicate Prob(F)				0.0039	0.8593	0.4715	0.3115
Treatment F				0.949	8.345	9.227	12.568
Treatment Prob(F)				0.5301	0.0001	0.0001	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberii	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	May-12-2015	Jun-2-2015	Jun-2-2015	Jun-2-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	204 26	204 26	204 26
Plant-Eval Interval	5 DP-1	26 DP-1	26 DP-1	26 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	13	14	15	16
1	2,4-D	0.5 lb ai/a	A		76.7 bc	74.0 a	90.0 a	100.0 a
	Clarity	0.25 lb ai/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
2	2,4-D	0.5 lb ai/a	A		63.3 c	60.0 a	70.0 ab	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
3	2,4-D	0.5 lb ai/a	A		100.0 a	66.7 a	66.7 ab	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	Metribuzin	0.28 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
4	2,4-D	0.5 lb ai/a	A		100.0 a	50.0 a	30.0 b	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Glufosinate	0.585 lb ai/a	D					
	N-pak ams	2.5 % v/v	D					

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadens>	Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Canada horsewe>	Giant foxtail	Giant ragweed	Common lambsqu>
Rating Date	May-12-2015	Jun-2-2015	Jun-2-2015	Jun-2-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	204 26	204 26	204 26
Plant-Eval Interval	5 DP-1	26 DP-1	26 DP-1	26 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	13	14	15	16
5	Sharpen	0.0223	lb ai/a	A	83.3 abc	36.7 a	56.7 ab	90.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
6	2,4-D	0.5	lb ai/a	A	86.7 ab	46.7 a	63.3 ab	80.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
7	2,4-D	0.5	lb ai/a	A	75.0 bc	26.7 a	43.3 ab	80.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Gramoxone Inteon	0.75	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
8	Sharpen	0.0223	lb ai/a	A	66.7 bc	46.7 a	73.3 ab	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
9	Roundup Power Max	0.56	lb ae/a	A	83.3 abc	43.3 a	70.0 ab	100.0 a
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadens>	Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Canada horsewe>	Giant foxtail	Giant ragweed	Common lambsqu>
Rating Date	May-12-2015	Jun-2-2015	Jun-2-2015	Jun-2-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	204 26	204 26	204 26
Plant-Eval Interval	5 DP-1	26 DP-1	26 DP-1	26 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	13	14	15	16
10	Sharpen	0.0223	lb ai/a	A	100.0 a	58.3 a	33.5 b	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	2,4-D Ester	1	lb ai/a	B				
	Gramoxone Inteon	0.75	lb ai/a	B				
	Sonic	0.197	lb ai/a	B				
	COC	1	% v/v	B				
	N-pak ams	2.5	% v/v	B				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
11	Roundup Power Max	0.56	lb ae/a	A	81.7 abc	50.0 a	70.0 ab	90.0 a
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
12	Sharpen	0.0223	lb ai/a	C	99.0 a	73.3 a	71.7 ab	96.7 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Metribuzin	0.28	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Roundup Power Max	1.5	lb ae/a	D				
	N-pak ams	2.5	% v/v	D				
13	Sharpen	0.0223	lb ai/a	C	98.3 a	43.3 a	63.3 ab	90.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
14	Sharpen	0.0223	lb ai/a	C	100.0 a	63.3 a	73.3 ab	100.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
15	Sharpen	0.0223	lb ai/a	C	98.3 a	43.3 a	53.3 ab	100.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	2,4-D Ester	0.8	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
16	Enlist Duo	1.98	lb ai/a	C	78.3 abc	73.3 a	70.0 ab	100.0 a
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberii	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	May-12-2015	Jun-2-2015	Jun-2-2015	Jun-2-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	183 5	204 26	204 26	204 26
Plant-Eval Interval	5 DP-1	26 DP-1	26 DP-1	26 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	13	14	15	16
17	Enlist Duo	1.98 lb ai/a		C	70.0 bc	60.0 a	86.7 a	100.0 a
	N-pak ams	2.5 % v/v		C				
	Enlist Duo	1.67 lb ai/a		D				
	N-pak ams	2.5 % v/v		D				
18	Enlist Duo	1.98 lb ai/a		C	71.7 bc	36.7 a	70.0 ab	90.0 a
	N-pak ams	2.5 % v/v		C				
	Glufosinate	0.585 lb ai/a		D				
	2,4-D Ester	0.8 lb ai/a		D				
	N-pak ams	2.5 % v/v		D				
	LSD P=.05				12.82	30.68	28.30	18.51
	Standard Deviation				7.72	18.49	17.04	11.15
	CV				9.07	34.95	26.55	11.69
	Bartlett's X2				21.736	17.97	6.348	3.349
	P(Bartlett's X2)				0.041*	0.326	0.984	0.764
	Replicate F				1.662	7.456	2.599	0.953
	Replicate Prob(F)				0.2048	0.0021	0.0895	0.3957
	Treatment F				8.555	1.700	2.609	1.171
	Treatment Prob(F)				0.0001	0.0921	0.0089	0.3367

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadensis	Setaria faberii	Ambrosia trifida	Chenopodium album
Pest Name	Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date	Jun-2-2015	Jul-7-2015	Jul-7-2015	Jul-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	204 26	239 34	239 34	239 34
Plant-Eval Interval	26 DP-1	61 DP-1	61 DP-1	61 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	17	18	19	20
1	2,4-D	0.5 lb ai/a	A		60.0 cd	99.7 a	81.7 ab	100.0 a
	Clarity	0.25 lb ai/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
2	2,4-D	0.5 lb ai/a	A		53.3 d	96.3 a	81.7 ab	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	Enlist Duo	1.98 lb ai/a	C					
	Sonic	0.197 lb ai/a	C					
	Metribuzin	0.28 lb ai/a	C					
	N-pak ams	2.5 % v/v	C					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
3	2,4-D	0.5 lb ai/a	A		100.0 a	99.3 a	76.7 ab	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	Metribuzin	0.28 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Roundup Power Max	1.5 lb ae/a	D					
	N-pak ams	2.5 % v/v	D					
4	2,4-D	0.5 lb ai/a	A		91.7 ab	82.7 a	53.3 ab	100.0 a
	Roundup Power Max	0.56 lb ae/a	A					
	COC	1 % v/v	A					
	N-pak ams	2.5 % v/v	A					
	2,4-D Ester	1 lb ai/a	B					
	Gramoxone Inteon	0.75 lb ai/a	B					
	Sonic	0.197 lb ai/a	B					
	COC	1 % v/v	B					
	N-pak ams	2.5 % v/v	B					
	Glufosinate	0.585 lb ai/a	D					
	N-pak ams	2.5 % v/v	D					

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadens	Setaria faberi	Ambrosia trifi	Chenopodium al
Pest Name	Canada horsewe	Giant foxtail	Giant ragweed	Common lambsqu
Rating Date	Jun-2-2015	Jul-7-2015	Jul-7-2015	Jul-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	204 26	239 34	239 34	239 34
Plant-Eval Interval	26 DP-1	61 DP-1	61 DP-1	61 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	17	18	19	20
5	Sharpen	0.0223	lb ai/a	A	56.7 cd	99.3 a	73.3 ab	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
6	2,4-D	0.5	lb ai/a	A	56.7 cd	99.0 a	70.0 ab	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Roundup Power Max	0.75	lb ae/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
7	2,4-D	0.5	lb ai/a	A	50.0 d	96.0 a	66.7 ab	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Sharpen	0.0223	lb ai/a	C				
	Gramoxone Inteon	0.75	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
8	Sharpen	0.0223	lb ai/a	A	50.0 d	98.3 a	81.7 ab	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
9	Roundup Power Max	0.56	lb ae/a	A	53.3 d	95.0 a	63.3 ab	100.0 a
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name	Conyza canadens>	Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Canada horsewe>	Giant foxtail	Giant ragweed	Common lambsqu>
Rating Date	Jun-2-2015	Jul-7-2015	Jul-7-2015	Jul-7-2015
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	204 26	239 34	239 34	239 34
Plant-Eval Interval	26 DP-1	61 DP-1	61 DP-1	61 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	17	18	19	20
10	Sharpen	0.0223	lb ai/a	A	91.7 ab	98.3 a	73.3 ab	100.0 a
	Roundup Power Max	0.56	lb ae/a	A				
	MSO	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	2,4-D Ester	1	lb ai/a	B				
	Gramoxone Inteon	0.75	lb ai/a	B				
	Sonic	0.197	lb ai/a	B				
	COC	1	% v/v	B				
	N-pak ams	2.5	% v/v	B				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
11	Roundup Power Max	0.56	lb ae/a	A	50.0 d	100.0 a	63.3 ab	100.0 a
	Clarity	0.25	lb ai/a	A				
	COC	1	% v/v	A				
	N-pak ams	2.5	% v/v	A				
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
12	Sharpen	0.0223	lb ai/a	C	91.7 ab	93.3 a	33.3 b	100.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Metribuzin	0.28	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Roundup Power Max	1.5	lb ae/a	D				
	N-pak ams	2.5	% v/v	D				
13	Sharpen	0.0223	lb ai/a	C	46.7 d	86.7 a	66.7 ab	96.7 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
14	Sharpen	0.0223	lb ai/a	C	82.3 abc	98.7 a	73.3 ab	100.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
15	Sharpen	0.0223	lb ai/a	C	86.7 ab	91.7 a	53.3 ab	100.0 a
	Enlist Duo	1.98	lb ai/a	C				
	Sonic	0.197	lb ai/a	C				
	Exuro	1	% v/v	C				
	N-pak ams	2.5	% v/v	C				
	Glufosinate	0.585	lb ai/a	D				
	2,4-D Ester	0.8	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				
16	Enlist Duo	1.98	lb ai/a	C	70.0 bcd	93.0 a	66.7 ab	100.0 a
	Sonic	0.197	lb ai/a	C				
	N-pak ams	2.5	% v/v	C				
	Enlist Duo	1.67	lb ai/a	D				
	N-pak ams	2.5	% v/v	D				

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Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		ERICA	SETFA	AMBTR	CHEAL
Pest Scientific Name		Conyza canadensis	Setaria faberii	Ambrosia trifida	Chenopodium album
Pest Name		Canada horseweed	Giant foxtail	Giant ragweed	Common lambsquarters
Rating Date		Jun-2-2015	Jul-7-2015	Jul-7-2015	Jul-7-2015
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit		%	%	%	%
Number of Subsamples		1	1	1	1
Days After First/Last Applic.		204 26	239 34	239 34	239 34
Plant-Eval Interval		26 DP-1	61 DP-1	61 DP-1	61 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	17	18	19	20
17	Enlist Duo	1.98 lb ai/a	ai/a	C	50.0 d	93.3 a	99.7 a	96.7 a
	N-pak ams	2.5 % v/v	v/v	C				
	Enlist Duo	1.67 lb ai/a	ai/a	D				
	N-pak ams	2.5 % v/v	v/v	D				
18	Enlist Duo	1.98 lb ai/a	ai/a	C	56.7 cd	86.7 a	66.7 ab	100.0 a
	N-pak ams	2.5 % v/v	v/v	C				
	Glufosinate	0.585 lb ai/a	ai/a	D				
	2,4-D Ester	0.8 lb ai/a	ai/a	D				
	N-pak ams	2.5 % v/v	v/v	D				
	LSD P=.05				17.69	10.21	26.82	3.24
	Standard Deviation				10.66	6.15	16.15	1.95
	CV				16.03	6.49	23.35	1.96
	Bartlett's X2				10.563	41.62	11.125	0.0
	P(Bartlett's X2)				0.647	0.001*	0.802	.
	Replicate F				0.333	2.177	1.557	0.486
	Replicate Prob(F)				0.7190	0.1289	0.2258	0.6195
	Treatment F				9.090	2.097	2.293	0.914
	Treatment Prob(F)				0.0001	0.0324	0.0201	0.5648

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Pest Type	W Weed	W Weed
Pest Code	ERICA	ERICA
Pest Scientific Name	Conyza canadensis	Conyza canadensis
Pest Name	Canada horseweed	Canada horseweed
Rating Date	Jul-7-2015	Jul-13-2015
Rating Type	CONTRO	COUNT
Rating Unit	%	1 row mi
Number of Subsamples	1	1
Days After First/Last Applic.	239 34	245 40
Plant-Eval Interval	61 DP-1	67 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	21	22
1	2,4-D	0.5 lb ai/a	A		76.7 b	9.0 ab
	Clarity	0.25 lb ai/a	A			
	COC	1 % v/v	A			
	N-pak ams	2.5 % v/v	A			
	Enlist Duo	1.98 lb ai/a	C			
	Sonic	0.197 lb ai/a	C			
	Metribuzin	0.28 lb ai/a	C			
	N-pak ams	2.5 % v/v	C			
	Roundup Power Max	1.5 lb ae/a	D			
	N-pak ams	2.5 % v/v	D			
2	2,4-D	0.5 lb ai/a	A		56.7 c	14.0 a
	Roundup Power Max	0.56 lb ae/a	A			
	COC	1 % v/v	A			
	N-pak ams	2.5 % v/v	A			
	Enlist Duo	1.98 lb ai/a	C			
	Sonic	0.197 lb ai/a	C			
	Metribuzin	0.28 lb ai/a	C			
	N-pak ams	2.5 % v/v	C			
	Roundup Power Max	1.5 lb ae/a	D			
	N-pak ams	2.5 % v/v	D			
3	2,4-D	0.5 lb ai/a	A		100.0 a	0.0 b
	Roundup Power Max	0.56 lb ae/a	A			
	COC	1 % v/v	A			
	N-pak ams	2.5 % v/v	A			
	2,4-D Ester	1 lb ai/a	B			
	Gramoxone Inteon	0.75 lb ai/a	B			
	Sonic	0.197 lb ai/a	B			
	Metribuzin	0.28 lb ai/a	B			
	COC	1 % v/v	B			
	N-pak ams	2.5 % v/v	B			
	Roundup Power Max	1.5 lb ae/a	D			
	N-pak ams	2.5 % v/v	D			
4	2,4-D	0.5 lb ai/a	A		98.3 a	0.0 b
	Roundup Power Max	0.56 lb ae/a	A			
	COC	1 % v/v	A			
	N-pak ams	2.5 % v/v	A			
	2,4-D Ester	1 lb ai/a	B			
	Gramoxone Inteon	0.75 lb ai/a	B			
	Sonic	0.197 lb ai/a	B			
	COC	1 % v/v	B			
	N-pak ams	2.5 % v/v	B			
	Glufosinate	0.585 lb ai/a	D			
	N-pak ams	2.5 % v/v	D			

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Pest Type	W Weed	W Weed
Pest Code	ERICA	ERICA
Pest Scientific Name	Conyza canadens	Conyza canadens
Pest Name	Canada horsewe	Canada horsewe
Rating Date	Jul-7-2015	Jul-13-2015
Rating Type	CONTRO	COUNT
Rating Unit	%	1 row mi
Number of Subsamples	1	1
Days After First/Last Applic.	239 34	245 40
Plant-Eval Interval	61 DP-1	67 DP-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	21	22
5	Sharpen	0.0223	lb ai/a	A	100.0 a	0.0 b
	Roundup Power Max	0.56	lb ae/a	A		
	MSO	1	% v/v	A		
	N-pak ams	2.5	% v/v	A		
	Sharpen	0.0223	lb ai/a	C		
	Roundup Power Max	0.75	lb ae/a	C		
	Sonic	0.197	lb ai/a	C		
	Exuro	1	% v/v	C		
	N-pak ams	2.5	% v/v	C		
	Enlist Duo	1.67	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
6	2,4-D	0.5	lb ai/a	A	100.0 a	0.0 b
	Roundup Power Max	0.56	lb ae/a	A		
	COC	1	% v/v	A		
	N-pak ams	2.5	% v/v	A		
	Sharpen	0.0223	lb ai/a	C		
	Roundup Power Max	0.75	lb ae/a	C		
	Sonic	0.197	lb ai/a	C		
	Exuro	1	% v/v	C		
	N-pak ams	2.5	% v/v	C		
	Enlist Duo	1.67	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
7	2,4-D	0.5	lb ai/a	A	100.0 a	0.0 b
	Roundup Power Max	0.56	lb ae/a	A		
	COC	1	% v/v	A		
	N-pak ams	2.5	% v/v	A		
	Sharpen	0.0223	lb ai/a	C		
	Gramoxone Inteon	0.75	lb ai/a	C		
	Sonic	0.197	lb ai/a	C		
	Exuro	1	% v/v	C		
	N-pak ams	2.5	% v/v	C		
	Enlist Duo	1.67	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
8	Sharpen	0.0223	lb ai/a	A	100.0 a	0.0 b
	Roundup Power Max	0.56	lb ae/a	A		
	MSO	1	% v/v	A		
	N-pak ams	2.5	% v/v	A		
	Enlist Duo	1.98	lb ai/a	C		
	Sonic	0.197	lb ai/a	C		
	N-pak ams	2.5	% v/v	C		
	Enlist Duo	1.67	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
9	Roundup Power Max	0.56	lb ae/a	A	96.7 a	0.0 b
	Clarity	0.25	lb ai/a	A		
	COC	1	% v/v	A		
	N-pak ams	2.5	% v/v	A		
	Enlist Duo	1.98	lb ai/a	C		
	Sonic	0.197	lb ai/a	C		
	N-pak ams	2.5	% v/v	C		
	Enlist Duo	1.67	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		

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Pest Type	W Weed	W Weed
Pest Code	ERICA	ERICA
Pest Scientific Name	Conyza canadens	Conyza canadens
Pest Name	Canada horsewe	Canada horsewe
Rating Date	Jul-7-2015	Jul-13-2015
Rating Type	CONTRO	COUNT
Rating Unit	%	1 row mi
Number of Subsamples	1	1
Days After First/Last Applic.	239 34	245 40
Plant-Eval Interval	61 DP-1	67 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	21	22
10	Sharpen	0.0223	lb ai/a	A	100.0 a	0.0 b
	Roundup Power Max	0.56	lb ae/a	A		
	MSO	1	% v/v	A		
	N-pak ams	2.5	% v/v	A		
	2,4-D Ester	1	lb ai/a	B		
	Gramoxone Inteon	0.75	lb ai/a	B		
	Sonic	0.197	lb ai/a	B		
	COC	1	% v/v	B		
	N-pak ams	2.5	% v/v	B		
	Enlist Duo	1.67	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
11	Roundup Power Max	0.56	lb ae/a	A	83.3 ab	6.0 ab
	Clarity	0.25	lb ai/a	A		
	COC	1	% v/v	A		
	N-pak ams	2.5	% v/v	A		
	Enlist Duo	1.98	lb ai/a	C		
	Sonic	0.197	lb ai/a	C		
	N-pak ams	2.5	% v/v	C		
	Glufosinate	0.585	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
12	Sharpen	0.0223	lb ai/a	C	76.7 b	0.7 b
	Enlist Duo	1.98	lb ai/a	C		
	Sonic	0.197	lb ai/a	C		
	Metribuzin	0.28	lb ai/a	C		
	Exuro	1	% v/v	C		
	N-pak ams	2.5	% v/v	C		
	Roundup Power Max	1.5	lb ae/a	D		
	N-pak ams	2.5	% v/v	D		
13	Sharpen	0.0223	lb ai/a	C	96.7 a	3.0 b
	Enlist Duo	1.98	lb ai/a	C		
	Sonic	0.197	lb ai/a	C		
	Exuro	1	% v/v	C		
	N-pak ams	2.5	% v/v	C		
	Glufosinate	0.585	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
14	Sharpen	0.0223	lb ai/a	C	100.0 a	0.3 b
	Enlist Duo	1.98	lb ai/a	C		
	Sonic	0.197	lb ai/a	C		
	Exuro	1	% v/v	C		
	N-pak ams	2.5	% v/v	C		
	Enlist Duo	1.67	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
15	Sharpen	0.0223	lb ai/a	C	90.0 ab	1.7 b
	Enlist Duo	1.98	lb ai/a	C		
	Sonic	0.197	lb ai/a	C		
	Exuro	1	% v/v	C		
	N-pak ams	2.5	% v/v	C		
	Glufosinate	0.585	lb ai/a	D		
	2,4-D Ester	0.8	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		
16	Enlist Duo	1.98	lb ai/a	C	100.0 a	0.7 b
	Sonic	0.197	lb ai/a	C		
	N-pak ams	2.5	% v/v	C		
	Enlist Duo	1.67	lb ai/a	D		
	N-pak ams	2.5	% v/v	D		

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Pest Type			W Weed	W Weed
Pest Code			ERICA	ERICA
Pest Scientific Name			Conyza canadensis	Conyza canadensis
Pest Name			Canada horseweed	Canada horseweed
Rating Date			Jul-7-2015	Jul-13-2015
Rating Type			CONTRO	COUNT
Rating Unit			%	1 row mi
Number of Subsamples			1	1
Days After First/Last Applic.			239 34	245 40
Plant-Eval Interval			61 DP-1	67 DP-1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	21	22
17	Enlist Duo	1.98 lb ai/a	C		100.0 a	0.0 b
	N-pak ams	2.5 % v/v	C			
	Enlist Duo	1.67 lb ai/a	D			
	N-pak ams	2.5 % v/v	D			
18	Enlist Duo	1.98 lb ai/a	C		100.0 a	5.7 ab
	N-pak ams	2.5 % v/v	C			
	Glufosinate	0.585 lb ai/a	D			
	2,4-D Ester	0.8 lb ai/a	D			
	N-pak ams	2.5 % v/v	D			
	LSD P=.05				12.18	6.57
	Standard Deviation				7.34	3.96
	CV				7.89	173.86
	Bartlett's X2				10.694	28.714
	P(Bartlett's X2)				0.153	0.001*
	Replicate F				1.236	4.084
	Replicate Prob(F)				0.3032	0.0257
	Treatment F				8.186	2.976
	Treatment Prob(F)				0.0001	0.0033

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OSU Fall/Spring marestail programs in Enlist soybeans

Trial ID: 15 OSUFALL1 Location: F-10 MIDDLE Trial Year: 2015
Protocol ID: 15 OSUFALL1 Investigator: Dr. Mark M. Loux
Project ID: 15 OSUFALL1 Study Director:
Sponsor Contact:

Pest Type

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

Pest Code

LAMPU, Lamium purpureum, = US
AMBTR, Ambrosia trifida, = US
ERYRE, Erysimum repandum, = US
ERPSS, Erophila sp., = US
STEME, Stellaria media, = US
VERAR, Veronica arvensis, = US
ERICA, Conyza canadensis, = US
SETFA, Setaria faberi, = US
CHEAL, Chenopodium album, = US

Rating Type

CONTRO = control / burndown or knockdown
COUNT = count

Rating Unit

% = percent

Plant-Eval Interval

-8 DP-1 = 1 GLXMA May-7-2015
5 DP-1 = 1 GLXMA May-7-2015
26 DP-1 = 1 GLXMA May-7-2015
61 DP-1 = 1 GLXMA May-7-2015
67 DP-1 = 1 GLXMA May-7-2015