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Horticulture and Crop Science

No-till Corn Burndown 4  
 Title No. 2: Valent Fierce MD 68.01 Nufarm H 2012 101 OH Nufarm H 2012 102 OH  
 Trial ID: 12NTC4 Protocol ID: 12NTC4  
 Location: Western Branch F-9 E Study Director: Anthony F. Dobbels  
 Project ID: Investigator: Dr. Mark M. Loux  
 Sponsor Contact: Eric Ott, Valent, Bob Bruss, Nufarm

General Trial Information

Study Director: Anthony F. Dobbels Title: Research Specialist  
 Investigator: Dr. Mark M. Loux Title: Professor

Trial Location

City: South Charleston Latitude of LL Corner °: 39.8587 N  
 State/Prov.: Ohio Longitude of LL Corner °: 83.67089 W  
 Postal Code: 45368  
 Country: USA

Crop Description

Crop 1: ZEAMX Zea mays Corn  
 Variety: Seed Consultants SCS 11HQ38 Description: RR/LL  
 BBCH Scale: BCOR Planting Date: Apr-30-2012  
 Planting Method: SEEDED seeded Rate, Unit: 32097 S/A  
 Depth, Unit: 1.75 IN  
 Row Spacing, Unit: 30 IN  
 Seed Bed: MEDIUM medium Soil Temperature, Unit: 63 F  
 Soil Moisture: SLIWET slightly wet, moist Emergence Date: May-9-2012

Pest Description

- Pest 1 Type: W Code: STEME *Stellaria media*  
 Common Name: Common chickweed  
 Description: Description
- Pest 2 Type: W Code: LAMPU *Lamium purpureum*  
 Common Name: Purple deadnettel
- Pest 3 Type: W Code: ERICA *Conyza canadensis*  
 Common Name: Canada horseweed
- Pest 4 Type: W Code: VERAR *Veronica arvensis*  
 Common Name: Corn speedwell
- Pest 5 Type: W Code: RANAB *Ranunculus abortivus*  
 Common Name: Smallflower buttercup
- Pest 6 Type: W Code: LEPVI *Lepidium virginicum*  
 Common Name: Virginia pepperweed
- Pest 7 Type: W Code: CAPBP *Capsella bursa-pastoris*  
 Common Name: Shepherd's purse
- Pest 8 Type: W Code: AMBTR *Ambrosia trifida*  
 Common Name: Giant ragweed
- Pest 9 Type: W Code: AMBEL *Ambrosia artemisiifolia*  
 Common Name: Common ragweed
- Pest10 Type: W Code: LAMAM *Lamium amplexicaule*  
 Common Name: Henbit
- Pest11 Type: W Code: TAROF *Taraxacum officinale*  
 Common Name: Common dandelion
- Pest12 Type: W Code: SETFA *Setaria faberi*  
 Common Name: Giant foxtail
- Pest13 Type: W Code: CHEAL *Chenopodium album*  
 Common Name: Common lambsquarters

Site and Design

Plot Width, Unit: 6.67 FT Site Type: FIELD field  
 Plot Length, Unit: 30 FT Experimental Unit: 1 PLOT plot  
 Plot Area, Unit: 200.1 FT<sup>2</sup> Tillage Type: NOTILL no-till  
 Replications: 3 Study Design: RAOBL Randomized Complete Block (RCB)  
 Untreated Arrangement: INCLUDED single control randomized in each block

Trial Initiation Comments:

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Soil Description

Description Name: F-9 East  
 % OM: 2.8      Texture: SICL silty clay loam  
 pH: 6.4      Soil Name: Kokomo  
 CEC: 19.6      Fert. Level: G good  
 Soil Drainage: G good

Application Description

	A	B	C
Application Date:	Apr-25-2012	May-2-2012	May-30-2012
Time of Day:	9:30 A.M.	10:00 A.M	8:30AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	7 EPP	ATPLAN	POST
Application Placement:	BROFOL	BROFOL	BROFOL
Air Temperature, Unit:	55 F	71 F	70 F
% Relative Humidity:	62	81	74
Wind Velocity, Unit:	5 MPH	7 MPH	0 MPH
Wind Direction:	S	SSW	
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	45 F	60 F	65 F
Soil Moisture:	GOOD	WET	DRY
% Cloud Cover:	3	0	0
Next Rain Occurred On:	Apr-26-2012	May-4-2012	May-31-2012

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:			BBCH
Stage Majority, Percent:			14 100
Height, Unit:			11 IN
Height Minimum, Maximum:			10 12

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Pest Stage At Each Application

	A		B		C	
Pest 1 Code, Type, Scale:	STEME	W	STEME	W	STEME	W
Stage Majority, Percent:	65	100	65	100		
Diameter, Unit:	8	IN				
Height, Unit:	0.5	IN	9	IN		
Height Minimum, Maximum:	0.5	1	8	10		
Density, Unit:	1.33	M2	1.33	M2		
Pest 2 Code, Type, Scale:	LAMPU	W	LAMPU	W	LAMPU	W
Stage Majority, Percent:	65	100	65	100		
Diameter, Unit:	3	IN				
Height, Unit:	5	IN	5	IN		
Height Minimum, Maximum:	5	6	5	5		
Density, Unit:	34.58	m2	34.58	m2		
Pest 3 Code, Type, Scale:	ERICA	W	ERICA	W	ERICA	W
Stage Majority, Percent:	19	100	19	100	19	100
Diameter, Unit:	5	IN				
Height, Unit:	3	IN	2	IN	4.5	IN
Height Minimum, Maximum:	2	3	2	3	3	6
Density, Unit:	4	M2	4	M2	4	M2
Pest 4 Code, Type, Scale:	VERAR	W	VERAR	W	VERAR	W
Stage Majority, Percent:	65	100				
Diameter, Unit:	9	IN				
Height, Unit:	0.5	IN				
Height Minimum, Maximum:	0.5	0.75				
Density, Unit:	0.25	m2				
Pest 5 Code, Type, Scale:	RANAB	W	RANAB	W	RANAB	W
Stage Majority, Percent:	65	100	65	100		
Diameter, Unit:	4	IN				
Height, Unit:	9	IN	12	IN		
Height Minimum, Maximum:	9	10	12	12		
Density, Unit:	2.66	m2	2.66	m2		
Pest 6 Code, Type, Scale:	LEPVI	W	LEPVI	W	LEPVI	W
Stage Majority, Percent:	65	100				
Diameter, Unit:	2	IN				
Height, Unit:	12	IN				
Height Minimum, Maximum:	12	14				
Density, Unit:	0.25	m2				
Pest 7 Code, Type, Scale:	CAPBP	W	CAPBP	W	CAPBP	W
Stage Majority, Percent:	69	100	65	100		
Diameter, Unit:	6	IN				
Height, Unit:	13	IN	14	IN		
Height Minimum, Maximum:	12	13	14	14		
Density, Unit:	10.64	m2	10.64	m2		
Pest 8 Code, Type, Scale:	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent:	14	100	16	100	19	100
Diameter, Unit:	5	IN				
Height, Unit:	2	IN	3	in	11.5	IN
Height Minimum, Maximum:	2	4	3	4	10	13
Density, Unit:	23.94	m2	23.94	m2	6	M2
Pest 9 Code, Type, Scale:	AMBEL	W	AMBEL	W	AMBEL	W
Stage Majority, Percent:	16	100			14	100
Diameter, Unit:	2	IN				
Height, Unit:	2	IN			2.5	IN
Height Minimum, Maximum:	1	2			2	3
Density, Unit:	0.25	M2			0.55	M2
Pest10 Code, Type, Scale:	LAMAM	W	LAMAM	W	LAMAM	W
Stage Majority, Percent:			65	100		
Height, Unit:			8	IN		
Height Minimum, Maximum:			8	8		
Density, Unit:			1.33	M2		
Pest11 Code, Type, Scale:	TAROF	W	TAROF	W	TAROF	W
Stage Majority, Percent:			65	100	69	100
Diameter, Unit:			8	IN	4.5	IN
Height, Unit:					2	IN
Height Minimum, Maximum:					2	2
Density, Unit:			1.33	M2	1.33	M2
Pest12 Code, Type, Scale:	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent:					15	100
Height, Unit:					5	IN
Height Minimum, Maximum:					4	6
Density, Unit:					96	M2
Pest13 Code, Type, Scale:	CHEAL	W	CHEAL	W	CHEAL	W
Stage Majority, Percent:					16	100
Height, Unit:					2.5	IN
Height Minimum, Maximum:					2	3
Density, Unit:					6	M2

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## Application Equipment

	A	B	C
Appl. Equipment:	6 foot boom	6 foot boom	6 foot boom
Equipment Type:	SPRBAC	SPRBAC	SPRBAC
Operation Pressure, Unit:	46 PSI	46 PSI	46 PSI
Nozzle Type:	AI XR	AI XR	AI XR
Nozzle Size:	110015	110015	110015
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Boom Length, Unit:	6 FT	6 FT	6 FT
Boom Height, Unit:	20 IN	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Mix Size, Unit:	0.33 Gallons	0.33 Gallons	0.33 Gallons
Propellant:	CO2	CO2	CO2

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Project ID: Investigator: Dr. Mark M. Loux

Sponsor Contact: Eric Ott, Valent, Bob Bruss, Nufarm

Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	STEME	LAMPJU	RANAB	CAPBP				
Pest Scientific Name	Stellaria media	Lamium purpure>	Ranunculus abo>	Capsella bursa>				
Pest Name	Common chickwe>	Purple deadnet>	Smallflower bu>	Shepherd's pur>				
Rating Date	Apr-28-2012	Apr-28-2012	Apr-28-2012	Apr-28-2012				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
Rating Timing								
Days After First/Last Applic.	3 3	3 3	3 3	3 3				
Trt-Eval Interval	3 DA-A	3 DA-A	3 DA-A	3 DA-A				
Plant-Eval Interval	-2 DP-1	-2 DP-1	-2 DP-1	-2 DP-1				
Days After Emergence	-11 DE-1	-11 DE-1	-11 DE-1	-11 DE-1				
Number of Decimals	0	0	0	0				
Trt Treatment	Rate	Rate	Other Other	Growth Appl	1	2	3	4
No. Name	Unit	Unit	Rate Rate	Unit Stage Code				

1 UTC

2 Fierce	0.143 lb ai/a	3 oz/a	7 EPP	A
2 Roundup PowerMax	0.77 lb ae/a	22 oz/a	7 EPP	
2 N-PAK AMS	2.5 % v/v	1.5 qt/a	7 EPP	
2 Roundup Original Max	0.77 lb ae/a	22 oz/a	POST	C
2 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST	

3 Fierce	0.143 lb ai/a	3 oz/a	7 EPP	A
3 Atrazine	1 lb ai/a	1 qt/a	7 EPP	
3 Roundup PowerMax	0.77 lb ae/a	22 oz/a	7 EPP	
3 N-PAK AMS	2.5 % v/v	1.5 qt/a	7 EPP	
3 Roundup Original Max	0.77 lb ae/a	22 oz/a	POST	C
3 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST	

4 Fierce	0.143 lb ai/a	3 oz/a	7 EPP	A
4 Roundup PowerMax	0.77 lb ae/a	22 oz/a	7 EPP	
4 N-PAK AMS	2.5 % v/v	1.5 qt/a	7 EPP	
4 Roundup Original Max	0.77 lb ae/a	22 oz/a	POST	C
4 Atrazine	1 lb ai/a	1 qt/a	POST	
4 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST	

5 Corvus	0.0616 lb ai/a	3 oz/a	PRE	B
5 Atrazine	1 lb ai/a	1 qt/a	PRE	
5 Roundup PowerMax	0.77 lb ae/a	22 oz/a	PRE	
5 N-PAK AMS	2.5 % v/v	1.5 qt/a	PRE	
5 Roundup Original Max	0.77 lb ae/a	22 oz/a	POST	C
5 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST	

6 NUP-12004	12 oz/a	12 oz/a	7 EPP	A	4 ab	18 a	1 a	12 a
6 NIS	0.25 % v/v	4.8 oz/a	7 EPP					

7 NUP-12004	18 oz/a	18 oz/a	7 EPP	A	7 a	17 a	3 a	13 a
7 NIS	0.25 % v/v	4.8 oz/a	7 EPP					

8 Weedone LV4	16 oz/a	16 oz/a	7 EPP	A	1 b	5 a	8 a	8 a
8 NIS	0.25 % v/v	4.8 oz/a	7 EPP					

9 Weedone LV4	22 oz/a	22 oz/a	7 EPP	A	2 b	6 a	14 a	12 a
9 NIS	0.25 % v/v	4.8 oz/a	7 EPP					

10 Weedone LV4	12 oz/a	12 oz/a	7 EPP	A	1 b	4 a	13 a	17 a
10 NIS	0.25 % v/v	4.8 oz/a	7 EPP					

11 Weedone LV4	18 oz/a	18 oz/a	7 EPP	A	3 b	10 a	14 a	13 a
11 NIS	0.25 % v/v	4.8 oz/a	7 EPP					

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	STEME	LAMPU	RANAB	CAPBP							
Pest Scientific Name	Stellaria media Lamium purpure> Ranunculus abo> Capsella bursa>										
Pest Name	Common chickwe> Purple deadnet> Smallflower bu> Shepherd's pur>										
Rating Date	Apr-28-2012	Apr-28-2012	Apr-28-2012	Apr-28-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing											
Days After First/Last Applic.	3 3	3 3	3 3	3 3							
Trt-Eval Interval	3 DA-A	3 DA-A	3 DA-A	3 DA-A							
Plant-Eval Interval	-2 DP-1	-2 DP-1	-2 DP-1	-2 DP-1							
Days After Emergence	-11 DE-1	-11 DE-1	-11 DE-1	-11 DE-1							
Number of Decimals	0	0	0	0							
Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	
12 NUP-12004	12 oz/a		12 oz/a		PRE	B					
12 NIS	0.25 % v/v		4.8 oz/a		PRE						
13 NUP-12004	18 oz/a		18 oz/a		PRE	B					
13 NIS	0.25 % v/v		4.8 oz/a		PRE						
14 Weedone LV4	16 oz/a		16 oz/a		PRE	B					
14 NIS	0.25 % v/v		4.8 oz/a		PRE						
15 Weedone LV4	22 oz/a		22 oz/a		PRE	B					
15 NIS	0.25 % v/v		4.8 oz/a		PRE						
16 Weedone LV4	12 oz/a		12 oz/a		PRE	B					
16 NIS	0.25 % v/v		4.8 oz/a		PRE						
LSD (P=.05)							3.6	10.9	62.8	8.6	
Standard Deviation							2.0	5.9	6.1	4.7	
CV							66.6	59.0	67.0	37.95	

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Pest Type	W Weed		W Weed		W Weed		W Weed			
Pest Code	ERICA		AMBTR		STEME		LAMPU			
Pest Scientific Name	Conyza canaden>		Ambrosia trifi>		Stellaria media		Lamium			
Pest Name	Canada		Giant ragweed		Common chickwe>		Purple deadnet>			
Rating Date	Apr-28-2012		Apr-28-2012		May-2-2012		May-2-2012			
Rating Type	CONTRO		CONTRO		CONTRO		CONTRO			
Rating Unit	%		%		%		%			
Number of Subsamples	1		1		1		1			
Rating Timing	3 3		3 3		7 7		7 7			
Days After First/Last Applic.	3 DA-A		3 DA-A		7 DA-A		7 DA-A			
Trt-Eval Interval	-2 DP-1		-2 DP-1		2 DP-1		2 DP-1			
Plant-Eval Interval	-11 DE-1		-11 DE-1		-7 DE-1		-7 DE-1			
Days After Emergence	0		0		0		0			
Number of Decimals	0		0		0		0			
Trt Treatment	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	5	6	7	8
1 UTC									0 e	0 d
2 Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A			62 ab	70 a
2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2 Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2 N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3 Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A			83 a	80 a
3 Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3 Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3 N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4 Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A			80 a	60 ab
4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4 Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4 Atrazine	1 lb ai/a		1 qt/a		POST					
4 N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5 Corvus	0.0616 lb ai/a		3 oz/a		PRE	B			0 e	0 d
5 Atrazine	1 lb ai/a		1 qt/a		PRE					
5 Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5 N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5 Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5 N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6 NUP-12004	12 oz/a		12 oz/a		7 EPP	A	22 ab	27 b	37 bcd	70 a
6 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7 NUP-12004	18 oz/a		18 oz/a		7 EPP	A	28 a	37 a	48 bc	78 a
7 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8 Weedone LV4	16 oz/a		16 oz/a		7 EPP	A	15 c	18 bc	8 e	12 cd
8 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9 Weedone LV4	22 oz/a		22 oz/a		7 EPP	A	18 bc	17 c	23 cde	37 bc
9 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10 Weedone LV4	12 oz/a		12 oz/a		7 EPP	A	18 bc	18 bc	7 e	33 c
10 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11 Weedone LV4	18 oz/a		18 oz/a		7 EPP	A	23 ab	20 bc	20 de	23 cd
11 NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	ERICA	AMBTR	STEME	LAMPU							
Pest Scientific Name	Conyza canadensis	Ambrosia trifida	Stellaria media	Lamium purpureum							
Pest Name	Canada Giant ragweed	Common chickweed	Purple deadnettle								
Rating Date	Apr-28-2012	Apr-28-2012	May-2-2012	May-2-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing											
Days After First/Last Applic.	3 3	3 3	7 7	7 7							
Trt-Eval Interval	3 DA-A	3 DA-A	7 DA-A	7 DA-A							
Plant-Eval Interval	-2 DP-1	-2 DP-1	2 DP-1	2 DP-1							
Days After Emergence	-11 DE-1	-11 DE-1	-7 DE-1	-7 DE-1							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code	5	6	7	8
12	NUP-12004	12 oz/a		12 oz/a		PRE	B				
12	NIS	0.25 % v/v		4.8 oz/a		PRE					
13	NUP-12004	18 oz/a		18 oz/a		PRE	B				
13	NIS	0.25 % v/v		4.8 oz/a		PRE					
14	Weedone LV4	16 oz/a		16 oz/a		PRE	B				
14	NIS	0.25 % v/v		4.8 oz/a		PRE					
15	Weedone LV4	22 oz/a		22 oz/a		PRE	B				
15	NIS	0.25 % v/v		4.8 oz/a		PRE					
16	Weedone LV4	12 oz/a		12 oz/a		PRE	B				
16	NIS	0.25 % v/v		4.8 oz/a		PRE					
	LSD (P=.05)							6.5	9.3	28.3	25.3
	Standard Deviation							3.2	5.1	16.4	14.8
	CV							15.53	22.55	49.03	35.13



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Pest Type	W Weed		W Weed		W Weed		W Weed				
Pest Code	RANAB		CAPBP		ERICA		AMBTR				
Pest Scientific Name	Ranunculus		Capsella bursa		Conyza canadensis		Ambrosia trifida				
Pest Name	Smallflower bu		Shepherd's pur		Canada horsewe		Giant ragweed				
Rating Date	May-2-2012		May-2-2012		May-2-2012		May-2-2012				
Rating Type	CONTRO		CONTRO		CONTRO		CONTRO				
Rating Unit	%		%		%		%				
Number of Subsamples	1		1		1		1				
Rating Timing	7 7		7 7		7 7		7 7				
Days After First/Last Applic.	7 DA-A		7 DA-A		7 DA-A		7 DA-A				
Trt-Eval Interval	2 DP-1		2 DP-1		2 DP-1		2 DP-1				
Plant-Eval Interval	-7 DE-1		-7 DE-1		-7 DE-1		-7 DE-1				
Days After Emergence	0		0		0		0				
Number of Decimals	0		0		0		0				
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	10	11	12
1	UTC							0 d	0 c	0 b	0 e
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	53 ab	43 ab	53 a	75 abc
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
	2 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
	2 Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
	2 N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	57 a	53 a	47 a	100 a
	3 Atrazine	1 lb ai/a		1 qt/a		7 EPP					
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
	3 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
	3 Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
	3 N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	46 ab	54 a	57 a	89 ab
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
	4 N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
	4 Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
	4 Atrazine	1 lb ai/a		1 qt/a		POST					
	4 N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B	0 d	0 c	0 b	0 e
	5 Atrazine	1 lb ai/a		1 qt/a		PRE					
	5 Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
	5 N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
	5 Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
	5 N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A	56 a	37 b	60 a	72 bc
	6 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A	57 a	30 b	61 a	66 bcd
	7 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A	27 c	30 b	57 a	62 cd
	8 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A	37 bc	33 b	50 a	50 cd
	9 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A	37 bc	32 b	50 a	43 d
	10 NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A		33 b	53 a	57 cd
	11 NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	RANAB	CAPBP	ERICA	AMBTR
Pest Scientific Name	Ranunculus	Capsella bursa>	Conyza canadens>	Ambrosia trifidi>
Pest Name	Smallflower bu>	Shepherd's pur>	Canada horsewe>	Giant ragweed
Rating Date	May-2-2012	May-2-2012	May-2-2012	May-2-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Rating Timing				
Days After First/Last Applic.	7 7	7 7	7 7	7 7
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Plant-Eval Interval	2 DP-1	2 DP-1	2 DP-1	2 DP-1
Days After Emergence	-7 DE-1	-7 DE-1	-7 DE-1	-7 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate	Growth Unit	Appl Stage	Code	9	10	11	12
12	NUP-12004	12 oz/a		12 oz/a		PRE	B					
12	NIS	0.25 % v/v		4.8 oz/a		PRE						
13	NUP-12004	18 oz/a		18 oz/a		PRE	B					
13	NIS	0.25 % v/v		4.8 oz/a		PRE						
14	Weedone LV4	16 oz/a		16 oz/a		PRE	B					
14	NIS	0.25 % v/v		4.8 oz/a		PRE						
15	Weedone LV4	22 oz/a		22 oz/a		PRE	B					
15	NIS	0.25 % v/v		4.8 oz/a		PRE						
16	Weedone LV4	12 oz/a		12 oz/a		PRE	B					
16	NIS	0.25 % v/v		4.8 oz/a		PRE						
LSD (P=.05)									17.7	15.3	19.8	25.6
Standard Deviation									9.1	9.0	11.6	14.1
CV									24.64	28.55	26.11	25.27

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	LAMPU	CAPBP	ERICA
Pest Scientific Name	Stellaria media	Lamium purpure>	Capsella bursa>	Conyza canadens>
Pest Name	Common chickwe>	Purple deadnet>	Shepherd's pur>	Canada horsewe>
Rating Date	May-5-2012	May-5-2012	May-5-2012	May-5-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Rating Timing				
Days After First/Last Applic.	10 3	10 3	10 3	10 3
Trt-Eval Interval	3 DA-B	3 DA-B	3 DA-B	3 DA-B
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1
Days After Emergence	-4 DE-1	-4 DE-1	-4 DE-1	-4 DE-1
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	13	14	15	16
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## 1 UTC

2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A				
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A				
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A				
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4	Atrazine	1 lb ai/a		1 qt/a		POST					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B				
5	Atrazine	1 lb ai/a		1 qt/a		PRE					
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A				
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A				
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A				
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A				
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A				
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A				
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	STEME	LAMPU	CAPBP	ERICA						
Pest Scientific Name	Stellaria media	Lamium purpure>	Capsella bursa>	Conyza canad>						
Pest Name	Common chickwe>	Purple deadnet>	Shepherd's pur>	Canada horsewe>						
Rating Date	May-5-2012	May-5-2012	May-5-2012	May-5-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing										
Days After First/Last Applic.	10 3	10 3	10 3	10 3						
Trt-Eval Interval	3 DA-B	3 DA-B	3 DA-B	3 DA-B						
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1						
Days After Emergence	-4 DE-1	-4 DE-1	-4 DE-1	-4 DE-1						
Number of Decimals	0	0	0	0						
Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	13	14	15	16
12 NUP-12004	12 oz/a		12 oz/a		PRE	B	1 b	3 a	5 a	50 a
12 NIS	0.25 % v/v		4.8 oz/a		PRE					
13 NUP-12004	18 oz/a		18 oz/a		PRE	B	4 a	3 a	8 a	47 ab
13 NIS	0.25 % v/v		4.8 oz/a		PRE					
14 Weedone LV4	16 oz/a		16 oz/a		PRE	B	0 b	0 b	4 a	40 bc
14 NIS	0.25 % v/v		4.8 oz/a		PRE					
15 Weedone LV4	22 oz/a		22 oz/a		PRE	B	0 b	1 ab	8 a	40 bc
15 NIS	0.25 % v/v		4.8 oz/a		PRE					
16 Weedone LV4	12 oz/a		12 oz/a		PRE	B	0 b	0 b	4 a	37 c
16 NIS	0.25 % v/v		4.8 oz/a		PRE					
LSD (P=.05)							1.6	2.3	5.2	7.3
Standard Deviation							0.9	1.2	2.7	3.9
CV							82.09	92.36	45.87	9.08

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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	AMBTR	STEME	LAMPU	LAMAM							
Pest Scientific Name	Ambrosia trifi>	Stellaria media	Lamium purpure>	Lamium amplexi>							
Pest Name	Giant ragweed	Common chickwe>	Purple deadnet>	Henbit							
Rating Date	May-5-2012	May-10-2012	May-10-2012	May-10-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing		7 DA-B	7 DA-B	7 DA-B							
Days After First/Last Applic.	10 3	15 8	15 8	15 8							
Trt-Eval Interval	3 DA-B	15 DA-A	15 DA-A	15 DA-A							
Plant-Eval Interval	5 DP-1	10 DP-1	10 DP-1	10 DP-1							
Days After Emergence	-4 DE-1	1 DE-1	1 DE-1	1 DE-1							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	17	18	19	20
1	UTC								0 h	0 c	0 d
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A		100 a	100 a	100 a
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A		100 a	100 a	100 a
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A		100 a	90 a	100 a
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4	Atrazine	1 lb ai/a		1 qt/a		POST					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B		100 a	95 a	100 a
5	Atrazine	1 lb ai/a		1 qt/a		PRE					
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A		40 b	47 b	58 b
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A		21 cde	97 a	97 a
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A		23 cde	43 b	40 bc
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A		7 fgh	23 bc	17 cd
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A		7 fgh	33 bc	28 bcd
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A		20 c-f	17 bc	7 cd
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	AMBTR	STEME	LAMPU	LAMAM					
Pest Scientific Name	Ambrosia trifidi>	Stellaria media	Lamium purpure>	Lamium amplexi>					
Pest Name	Giant ragweed	Common chickwe>	Purple deadnet>	Henbit					
Rating Date	May-5-2012	May-10-2012	May-10-2012	May-10-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing		7 DA-B	7 DA-B	7 DA-B					
Days After First/Last Applic.	10 3	15 8	15 8	15 8					
Trt-Eval Interval	3 DA-B	15 DA-A	15 DA-A	15 DA-A					
Plant-Eval Interval	5 DP-1	10 DP-1	10 DP-1	10 DP-1					
Days After Emergence	-4 DE-1	1 DE-1	1 DE-1	1 DE-1					
Number of Decimals	0	0	0	0					
Trt Treatment No. Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	17	18	19	20
12 NUP-12004	12 oz/a	12 oz/a		PRE	B	57 a	30 bcd	37 b	37 bc
12 NIS	0.25 % v/v	4.8 oz/a		PRE					
13 NUP-12004	18 oz/a	18 oz/a		PRE	B	53 a	33 bc	40 b	24 bcd
13 NIS	0.25 % v/v	4.8 oz/a		PRE					
14 Weedone LV4	16 oz/a	16 oz/a		PRE	B	43 b	3 gh	28 bc	19 cd
14 NIS	0.25 % v/v	4.8 oz/a		PRE					
15 Weedone LV4	22 oz/a	22 oz/a		PRE	B	40 b	17 d-g	23 bc	24 bcd
15 NIS	0.25 % v/v	4.8 oz/a		PRE					
16 Weedone LV4	12 oz/a	12 oz/a		PRE	B	40 b	13 e-h	48 b	34 bcd
16 NIS	0.25 % v/v	4.8 oz/a		PRE					
LSD (P=.05)						8.1	13.8	33.8	36.3
Standard Deviation						4.3	8.2	20.2	21.5
CV						9.18	21.47	39.39	43.89

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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	CAPBP	ERICA	AMBTR	STEME							
Pest Scientific Name	Capsella bursa>	Conyza canadens>	Ambrosia trifi>	Stellaria media							
Pest Name	Shepherd's pur>	Canada horsewe>	Giant ragweed	Common chickwe>							
Rating Date	May-10-2012	May-10-2012	May-10-2012	May-17-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing	7 DA-B	7 DA-B	7 DA-B								
Days After First/Last Applic.	15 8	15 8	15 8	22 15							
Trt-Eval Interval	15 DA-A	15 DA-A	15 DA-A	15 DA-B							
Plant-Eval Interval	10 DP-1	10 DP-1	10 DP-1	17 DP-1							
Days After Emergence	1 DE-1	1 DE-1	1 DE-1	8 DE-1							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	21	22	23	24
1	UTC							0 g	0 h	0 f	0 f
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	82 ab	37 g	82 a-d	100 a
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	92 a	42 fg	92 a	100 a
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	93 a	40 fg	83 abc	100 a
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4	Atrazine	1 lb ai/a		1 qt/a		POST					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B	70 abc	73 a-e	93 a	100 a
5	Atrazine	1 lb ai/a		1 qt/a		PRE					
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A	53 bcd	100 a	70 b-e	40 b
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A	47 cde	87 ab	80 a-e	16 e
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A	47 cde	75 a-d	87 ab	27 cde
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A	47 cde	83 abc	78 a-e	27 cde
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A	33 def	53 d-g	63 e	27 cde
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A	48 cde	70 b-e	77 a-e	30 bcd
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	CAPBP	ERICA	AMBTR	STEME						
Pest Scientific Name	Capsella bursa>	Conyza canaden>	Ambrosia trifi>	Stellaria media						
Pest Name	Shepherd's pur>	Canada horsewe>	Giant ragweed	Common chickwe>						
Rating Date	May-10-2012	May-10-2012	May-10-2012	May-17-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing	7 DA-B	7 DA-B	7 DA-B							
Days After First/Last Applic.	15 8	15 8	15 8	22 15						
Trt-Eval Interval	15 DA-A	15 DA-A	15 DA-A	15 DA-B						
Plant-Eval Interval	10 DP-1	10 DP-1	10 DP-1	17 DP-1						
Days After Emergence	1 DE-1	1 DE-1	1 DE-1	8 DE-1						
Number of Decimals	0	0	0	0						
Trt Treatment	Rate	Other	Other	Growth	Appl	21	22	23	24	
No. Name	Rate	Rate	Rate	Unit	Stage	Code				
12 NUP-12004	12 oz/a	12 oz/a			PRE	B	27 d-g	60 b-g	70 b-e	33 bcd
12 NIS	0.25 % v/v	4.8 oz/a			PRE					
13 NUP-12004	18 oz/a	18 oz/a			PRE	B	13 fg	67 b-f	77 a-e	37 bc
13 NIS	0.25 % v/v	4.8 oz/a			PRE					
14 Weedone LV4	16 oz/a	16 oz/a			PRE	B	17 efg	47 efg	67 cde	23 de
14 NIS	0.25 % v/v	4.8 oz/a			PRE					
15 Weedone LV4	22 oz/a	22 oz/a			PRE	B	7 fg	57 c-g	66 de	37 bc
15 NIS	0.25 % v/v	4.8 oz/a			PRE					
16 Weedone LV4	12 oz/a	12 oz/a			PRE	B	7 fg	40 fg	66 de	33 bcd
16 NIS	0.25 % v/v	4.8 oz/a			PRE					
LSD (P=.05)							32.2	28.1	17.2	12.2
Standard Deviation							19.3	16.8	10.2	7.3
CV							45.39	28.92	14.21	16.08



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Pest Type		W Weed	W Weed	W Weed	W Weed						
Pest Code		LAMPU	LAMAM	CAPBP	ERICA						
Pest Scientific Name		Lamium purpure>	Lamium amplexi>	Capsella bursa>	Conyza canad>						
Pest Name		Purple deadnet>	Henbit Shepherd's pur>	Canada horsewe>							
Rating Date		May-17-2012	May-17-2012	May-17-2012	May-17-2012						
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit		%	%	%	%						
Number of Subsamples		1	1	1	1						
Rating Timing											
Days After First/Last Applic.		22 15	22 15	22 15	22 15						
Trt-Eval Interval		15 DA-B	15 DA-B	15 DA-B	15 DA-B						
Plant-Eval Interval		17 DP-1	17 DP-1	17 DP-1	17 DP-1						
Days After Emergence		8 DE-1	8 DE-1	8 DE-1	8 DE-1						
Number of Decimals		0	0	0	0						
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	25	26	27	28
1	UTC							0 e	0 f	0 f	0 e
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	100 a	100 a	99 a	40 d
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	100 a	100 a	95 a	48 cd
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	100 a	93 a	93 a	47 cd
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4	Atrazine	1 lb ai/a		1 qt/a		POST					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B	100 a	100 a	93 a	97 a
5	Atrazine	1 lb ai/a		1 qt/a		PRE					
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A	53 b	40 b	50 bc	67 bc
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A	95 a		58 b	62 bcd
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A	24 d	19 e	36 de	67 bc
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A	40 bcd	23 de	50 bc	60 bcd
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A	30 cd	36 bc	42 cd	60 bcd
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A	33 bcd	23 de	41 cde	73 ab
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	LAMAM	CAPBP	ERICA
Pest Scientific Name	Lamium purpure>	Lamium amplexi>	Capsella bursa>	Conyza canadens>
Pest Name	Purple deadnet>	Henbit	Shepherd's pur>	Canada horsewe>
Rating Date	May-17-2012	May-17-2012	May-17-2012	May-17-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Rating Timing				
Days After First/Last Applic.	22 15	22 15	22 15	22 15
Trt-Eval Interval	15 DA-B	15 DA-B	15 DA-B	15 DA-B
Plant-Eval Interval	17 DP-1	17 DP-1	17 DP-1	17 DP-1
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Other Other	Growth Appl	
No. Name	Rate Unit	Rate Rate Unit	Stage Code	25
				26
				27
				28
12 NUP-12004	12 oz/a	12 oz/a	PRE B	47 bc
12 NIS	0.25 % v/v	4.8 oz/a	PRE	28 cde
				43 cd
				47 cd
13 NUP-12004	18 oz/a	18 oz/a	PRE B	47 bc
13 NIS	0.25 % v/v	4.8 oz/a	PRE	
				33 de
				70 bc
14 Weedone LV4	16 oz/a	16 oz/a	PRE B	36 bcd
14 NIS	0.25 % v/v	4.8 oz/a	PRE	23 de
				33 de
				63 bcd
15 Weedone LV4	22 oz/a	22 oz/a	PRE B	36 bcd
15 NIS	0.25 % v/v	4.8 oz/a	PRE	33 bcd
				33 de
				58 bcd
16 Weedone LV4	12 oz/a	12 oz/a	PRE B	36 bcd
16 NIS	0.25 % v/v	4.8 oz/a	PRE	
				30 e
				60 bcd
LSD (P=.05)				21.1
Standard Deviation				11.3
CV				11.4
				24.3
				12.2
				6.4
				22.26
				13.39
				13.13
				25.41

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Pest Type		W Weed	W Weed	W Weed	W Weed						
Pest Code		AMBTR	STEME	LAMPU	LAMAM						
Pest Scientific Name		Ambrosia trifi>	Stellaria media	Lamium purpure>	Lamium amplexi>						
Pest Name		Giant ragweed	Common chickwe>	Purple deadnet>	Henbit						
Rating Date		May-17-2012	May-22-2012	May-22-2012	May-22-2012						
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit		%	%	%	%						
Number of Subsamples		1	1	1	1						
Rating Timing											
Days After First/Last Applic.		22 15	27 20	27 20	27 20						
Trt-Eval Interval		15 DA-B	27 DA-A	27 DA-A	27 DA-A						
Plant-Eval Interval		17 DP-1	22 DP-1	22 DP-1	22 DP-1						
Days After Emergence		8 DE-1	13 DE-1	13 DE-1	13 DE-1						
Number of Decimals		0	0	0	0						
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	29	30	31	32
1	UTC							0 f	0 a	0 f	0 e
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	63 a-d	67 a	100 a	100 a
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	82 ab	100 a	100 a	100 a
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	67 a-d	100 a	100 a	100 a
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4	Atrazine	1 lb ai/a		1 qt/a		POST					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B	88 a	100 a	100 a	100 a
5	Atrazine	1 lb ai/a		1 qt/a		PRE					
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A	55 b-e	37 a	73 a-d	60 abc
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A	57 b-e	30 a	100 a	100 a
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A	73 abc	23 a	70 bcd	57 bcd
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A	53 cde	50 a	50 de	17 de
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A	33 e	50 a	60 cde	20 cde
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A	50 cde	57 a	40 e	17 de
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	STEME	LAMPU	LAMAM
Pest Scientific Name	Ambrosia trifi>	Stellaria media	Lamium purpure>	Lamium amplexi>
Pest Name	Giant ragweed	Common chickwe>	Purple deadnet>	Henbit
Rating Date	May-17-2012	May-22-2012	May-22-2012	May-22-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Rating Timing				
Days After First/Last Applic.	22 15	27 20	27 20	27 20
Trt-Eval Interval	15 DA-B	27 DA-A	27 DA-A	27 DA-A
Plant-Eval Interval	17 DP-1	22 DP-1	22 DP-1	22 DP-1
Days After Emergence	8 DE-1	13 DE-1	13 DE-1	13 DE-1
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Other Other	Growth Appl	
No. Name	Rate Unit	Rate Rate Unit	Stage Code	29
				30
				31
				32
12 NUP-12004	12 oz/a	12 oz/a	PRE B	50 cde
12 NIS	0.25 % v/v	4.8 oz/a	PRE	57 a
				60 cde
				20 cde
13 NUP-12004	18 oz/a	18 oz/a	PRE B	40 de
13 NIS	0.25 % v/v	4.8 oz/a	PRE	33 a
				100 a
				73 ab
14 Weedone LV4	16 oz/a	16 oz/a	PRE B	47 cde
14 NIS	0.25 % v/v	4.8 oz/a	PRE	23 a
				90 ab
				73 ab
15 Weedone LV4	22 oz/a	22 oz/a	PRE B	53 cde
15 NIS	0.25 % v/v	4.8 oz/a	PRE	48 a
				87 abc
				73 ab
16 Weedone LV4	12 oz/a	12 oz/a	PRE B	73 abc
16 NIS	0.25 % v/v	4.8 oz/a	PRE	43 a
				90 ab
				96 ab
LSD (P=.05)				26.7
Standard Deviation				16.0
CV				28.97
				59.3
				35.6
				69.56
				28.5
				17.1
				22.44
				43.2
				25.8
				41.05

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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	CAPBP	ERICA	AMBTR	STEME							
Pest Scientific Name	Capsella bursa>	Conyza canadens>	Ambrosia trifi>	Stellaria media							
Pest Name	Shepherd's pur>	Canada horsewe>	Giant ragweed	Common chickwe>							
Rating Date	May-22-2012	May-22-2012	May-22-2012	May-29-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing											
Days After First/Last Applic.	27 20	27 20	27 20	34 27							
Trt-Eval Interval	27 DA-A	27 DA-A	27 DA-A	27 DA-B							
Plant-Eval Interval	22 DP-1	22 DP-1	22 DP-1	29 DP-1							
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	20 DE-1							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	33	34	35	36
1	UTC							0 h	0 g	0 e	0 a
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	88 a-d	27 fg	53 cd	
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	100 a	37 ef	87 ab	
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	93 abc	30 fg	68 bcd	
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4	Atrazine	1 lb ai/a		1 qt/a		POST					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B	98 ab	98 a	97 a	
5	Atrazine	1 lb ai/a		1 qt/a		PRE					
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A	75 b-e	75 abc	58 cd	
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A	71 c-f	47 c-f	67 bcd	
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A	73 cde	47 c-f	73 bc	
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A	53 efg	67 b-e	53 cd	
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A	48 fg	43 def	60 cd	
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A	57 efg	63 b-e	53 cd	
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	CAPBP	ERICA	AMBTR	STEME
Pest Scientific Name	Capsella bursa>	Conyza canadens>	Ambrosia trifi>	Stellaria media
Pest Name	Shepherd's pur>	Canada horsewe>	Giant ragweed	Common chickwe>
Rating Date	May-22-2012	May-22-2012	May-22-2012	May-29-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Rating Timing				
Days After First/Last Applic.	27 20	27 20	27 20	34 27
Trt-Eval Interval	27 DA-A	27 DA-A	27 DA-A	27 DA-B
Plant-Eval Interval	22 DP-1	22 DP-1	22 DP-1	29 DP-1
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	20 DE-1
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Other Other	Growth Appl	
No. Name	Rate Unit	Rate Rate Unit	Stage Code	
				33
				34
				35
				36
12 NUP-12004	12 oz/a	12 oz/a	PRE B	60 efg
12 NIS	0.25 % v/v	4.8 oz/a	PRE	40 ef
				50 d
				0 a
13 NUP-12004	18 oz/a	18 oz/a	PRE B	60 efg
13 NIS	0.25 % v/v	4.8 oz/a	PRE	63 b-e
				63 cd
				10 a
14 Weedone LV4	16 oz/a	16 oz/a	PRE B	43 g
14 NIS	0.25 % v/v	4.8 oz/a	PRE	73 a-d
				73 bc
				0 a
15 Weedone LV4	22 oz/a	22 oz/a	PRE B	53 efg
15 NIS	0.25 % v/v	4.8 oz/a	PRE	85 ab
				73 bc
				17 a
16 Weedone LV4	12 oz/a	12 oz/a	PRE B	67 d-g
16 NIS	0.25 % v/v	4.8 oz/a	PRE	82 ab
				87 ab
				40 a
LSD (P=.05)				23.9
Standard Deviation				14.2
CV				21.9
				31.5
				18.9
				34.53
				22.9
				13.7
				21.53
				42.7
				23.5
				211.49

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPJU	CAPBP	ERICA	AMBTR	SETFA
Pest Scientific Name	Lamium purpure>	Capsella bursa>	Conyza canad>	Ambrosia trifi>	Setaria faberi
Pest Name	Purple deadnet>	Shepherd's pur>	Canada horsewe>	Giant ragweed	Giant foxtail
Rating Date	May-29-2012	May-29-2012	May-29-2012	May-29-2012	May-30-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Rating Timing					
Days After First/Last Applic.	34 27	34 27	34 27	34 27	35 28
Trt-Eval Interval	27 DA-B	27 DA-B	27 DA-B	27 DA-B	35 DA-A
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	29 DP-1	30 DP-1
Days After Emergence	20 DE-1	20 DE-1	20 DE-1	20 DE-1	21 DE-1
Number of Decimals	0	0	0	0	0

Trt	Treatment	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	37	38	39	40	41
1	UTC							0 a	0 d	0 b	0 c	0 c
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A					65 b
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST						
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A					80 a
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP						
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST						
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A					62 b
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP						
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C					
4	Atrazine	1 lb ai/a		1 qt/a		POST						
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST						
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B					83 a
5	Atrazine	1 lb ai/a		1 qt/a		PRE						
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE						
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE						
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST						
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A					
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP						
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A					
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP						
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A					
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP						
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A					
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP						
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A					
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP						
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A					
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	CAPBP	ERICA	AMBTR	SETFA
Pest Scientific Name	Lamium purpure>	Capsella bursa>	Conyza canad>	Ambrosia trifi>	Setaria faberi
Pest Name	Purple deadnet>	Shepherd's pur>	Canada horsewe>	Giant ragweed	Giant foxtail
Rating Date	May-29-2012	May-29-2012	May-29-2012	May-29-2012	May-30-2012
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Rating Timing					
Days After First/Last Applic.	34 27	34 27	34 27	34 27	35 28
Trt-Eval Interval	27 DA-B	27 DA-B	27 DA-B	27 DA-B	35 DA-A
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	29 DP-1	30 DP-1
Days After Emergence	20 DE-1	20 DE-1	20 DE-1	20 DE-1	21 DE-1
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Other Other	Growth Appl		
No. Name	Rate Unit	Rate Rate Unit	Stage Code	37	38
12 NUP-12004	12 oz/a	12 oz/a	PRE B	50 a	47 c
12 NIS	0.25 % v/v	4.8 oz/a	PRE		83 a
					43 b
13 NUP-12004	18 oz/a	18 oz/a	PRE B		57 bc
13 NIS	0.25 % v/v	4.8 oz/a	PRE		90 a
					70 ab
14 Weedone LV4	16 oz/a	16 oz/a	PRE B	47 a	73 a
14 NIS	0.25 % v/v	4.8 oz/a	PRE		83 a
					83 a
15 Weedone LV4	22 oz/a	22 oz/a	PRE B	68 a	64 ab
15 NIS	0.25 % v/v	4.8 oz/a	PRE		83 a
					63 ab
16 Weedone LV4	12 oz/a	12 oz/a	PRE B	89 a	67 ab
16 NIS	0.25 % v/v	4.8 oz/a	PRE		83 a
					77 a
LSD (P=.05)				50.4	16.5
Standard Deviation				14.3	8.8
CV				28.15	17.09
					15.1
					29.6
					8.3
					16.3
					11.76
					29.04
					12.2
					6.5
					11.13



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Pest Type		W Weed	W Weed	W Weed	W Weed						
Pest Code		ERICA	AMBTR	AMBEL	CHEAL						
Pest Scientific Name		Conyza canadensis	Ambrosia trifida	Ambrosia artemisiifolia	Chenopodium album						
Pest Name		Canada horseweed	Giant ragweed	Common ragweed	Common lambsquarters						
Rating Date		May-30-2012	May-30-2012	May-30-2012	May-30-2012						
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit		%	%	%	%						
Number of Subsamples		1	1	1	1						
Rating Timing											
Days After First/Last Applic.		35 28	35 28	35 28	35 28						
Trt-Eval Interval		35 DA-A	35 DA-A	35 DA-A	35 DA-A						
Plant-Eval Interval		30 DP-1	30 DP-1	30 DP-1	30 DP-1						
Days After Emergence		21 DE-1	21 DE-1	21 DE-1	21 DE-1						
Number of Decimals		0	0	0	0						
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	42	43	44	45
1	UTC							0 c	0 d	0 c	0 b
2	Fierce	0.143 lb ai/a	3 oz/a			7 EPP	A	43 b	57 bc	83 ab	87 a
2	Roundup PowerMax	0.77 lb ae/a	22 oz/a			7 EPP					
2	N-PAK AMS	2.5 % v/v	1.5 qt/a			7 EPP					
2	Roundup Original Max	0.77 lb ae/a	22 oz/a			POST	C				
2	N-PAK AMS	2.5 % v/v	1.5 qt/a			POST					
3	Fierce	0.143 lb ai/a	3 oz/a			7 EPP	A	47 b	78 a	87 ab	100 a
3	Atrazine	1 lb ai/a	1 qt/a			7 EPP					
3	Roundup PowerMax	0.77 lb ae/a	22 oz/a			7 EPP					
3	N-PAK AMS	2.5 % v/v	1.5 qt/a			7 EPP					
3	Roundup Original Max	0.77 lb ae/a	22 oz/a			POST	C				
3	N-PAK AMS	2.5 % v/v	1.5 qt/a			POST					
4	Fierce	0.143 lb ai/a	3 oz/a			7 EPP	A	43 b	53 c	57 b	88 a
4	Roundup PowerMax	0.77 lb ae/a	22 oz/a			7 EPP					
4	N-PAK AMS	2.5 % v/v	1.5 qt/a			7 EPP					
4	Roundup Original Max	0.77 lb ae/a	22 oz/a			POST	C				
4	Atrazine	1 lb ai/a	1 qt/a			POST					
4	N-PAK AMS	2.5 % v/v	1.5 qt/a			POST					
5	Corvus	0.0616 lb ai/a	3 oz/a			PRE	B	97 a	75 ab	100 a	100 a
5	Atrazine	1 lb ai/a	1 qt/a			PRE					
5	Roundup PowerMax	0.77 lb ae/a	22 oz/a			PRE					
5	N-PAK AMS	2.5 % v/v	1.5 qt/a			PRE					
5	Roundup Original Max	0.77 lb ae/a	22 oz/a			POST	C				
5	N-PAK AMS	2.5 % v/v	1.5 qt/a			POST					
6	NUP-12004	12 oz/a	12 oz/a			7 EPP	A				
6	NIS	0.25 % v/v	4.8 oz/a			7 EPP					
7	NUP-12004	18 oz/a	18 oz/a			7 EPP	A				
7	NIS	0.25 % v/v	4.8 oz/a			7 EPP					
8	Weedone LV4	16 oz/a	16 oz/a			7 EPP	A				
8	NIS	0.25 % v/v	4.8 oz/a			7 EPP					
9	Weedone LV4	22 oz/a	22 oz/a			7 EPP	A				
9	NIS	0.25 % v/v	4.8 oz/a			7 EPP					
10	Weedone LV4	12 oz/a	12 oz/a			7 EPP	A				
10	NIS	0.25 % v/v	4.8 oz/a			7 EPP					
11	Weedone LV4	18 oz/a	18 oz/a			7 EPP	A				
11	NIS	0.25 % v/v	4.8 oz/a			7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	ERICA	AMBTR	AMBEL	CHEAL						
Pest Scientific Name	Conyza canadensis	Ambrosia trifida	Ambrosia artemisiifolia	Chenopodium album						
Pest Name	Canada horseweed	Giant ragweed	Common ragweed	Common lambsquarters						
Rating Date	May-30-2012	May-30-2012	May-30-2012	May-30-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing										
Days After First/Last Applic.	35 28	35 28	35 28	35 28						
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	35 DA-A						
Plant-Eval Interval	30 DP-1	30 DP-1	30 DP-1	30 DP-1						
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1						
Number of Decimals	0	0	0	0						
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	42	43	44	45
12	NUP-12004	12 oz/a	12 oz/a		PRE	B				
12	NIS	0.25 % v/v	4.8 oz/a		PRE					
13	NUP-12004	18 oz/a	18 oz/a		PRE	B				
13	NIS	0.25 % v/v	4.8 oz/a		PRE					
14	Weedone LV4	16 oz/a	16 oz/a		PRE	B				
14	NIS	0.25 % v/v	4.8 oz/a		PRE					
15	Weedone LV4	22 oz/a	22 oz/a		PRE	B				
15	NIS	0.25 % v/v	4.8 oz/a		PRE					
16	Weedone LV4	12 oz/a	12 oz/a		PRE	B				
16	NIS	0.25 % v/v	4.8 oz/a		PRE					
LSD (P=.05)							29.1	20.5	33.1	14.2
Standard Deviation							15.4	10.9	17.6	7.5
CV							33.56	20.65	26.88	10.04

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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	AMARE	SETFA	AMBTR	AMBEL							
Pest Scientific Name	Amaranthus ret>	Setaria faberi	Ambrosia trifi>	Ambrosia artem>							
Pest Name	Redroot pigweed	Giant foxtail	Giant ragweed	Common ragweed							
Rating Date	May-30-2012	Jun-25-2012	Jun-25-2012	Jun-25-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing											
Days After First/Last Applic.	35 28	61 26	61 26	61 26							
Trt-Eval Interval	35 DA-A	26 DA-C	26 DA-C	26 DA-C							
Plant-Eval Interval	30 DP-1	56 DP-1	56 DP-1	56 DP-1							
Days After Emergence	21 DE-1	47 DE-1	47 DE-1	47 DE-1							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	46	47	48	49
1	UTC							0 b	57 cde	70 a	69 c
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	93 a	75 abc	90 a	100 a
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	100 a	85 a	90 a	100 a
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	100 a	76 abc	78 a	100 a
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4	Atrazine	1 lb ai/a		1 qt/a		POST					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B	100 a	80 ab	98 a	100 a
5	Atrazine	1 lb ai/a		1 qt/a		PRE					
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A		47 e	83 a	83 abc
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A		50 de	92 a	85 abc
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A		60 cde	88 a	90 ab
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A		50 de	92 a	89 ab
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A		63 b-e	73 a	87 ab
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A		67 a-d	88 a	85 abc
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	AMARE	SETFA	AMBTR	AMBEL						
Pest Scientific Name	Amaranthus ret>	Setaria faberi	Ambrosia trifi>	Ambrosia artem>						
Pest Name	Redroot pigweed	Giant foxtail	Giant ragweed	Common ragweed						
Rating Date	May-30-2012	Jun-25-2012	Jun-25-2012	Jun-25-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing										
Days After First/Last Applic.	35 28	61 26	61 26	61 26						
Trt-Eval Interval	35 DA-A	26 DA-C	26 DA-C	26 DA-C						
Plant-Eval Interval	30 DP-1	56 DP-1	56 DP-1	56 DP-1						
Days After Emergence	21 DE-1	47 DE-1	47 DE-1	47 DE-1						
Number of Decimals	0	0	0	0						
Trt Treatment	Rate	Other	Other	Growth	Appl	46	47	48	49	
No. Name	Rate	Rate	Rate	Unit	Stage	Code				
12 NUP-12004	12 oz/a	12 oz/a			PRE	B		70 abc	77 a	77 bc
12 NIS	0.25 % v/v	4.8 oz/a			PRE					
13 NUP-12004	18 oz/a	18 oz/a			PRE	B		67 a-d	85 a	91 ab
13 NIS	0.25 % v/v	4.8 oz/a			PRE					
14 Weedone LV4	16 oz/a	16 oz/a			PRE	B		60 cde	93 a	93 ab
14 NIS	0.25 % v/v	4.8 oz/a			PRE					
15 Weedone LV4	22 oz/a	22 oz/a			PRE	B		67 a-d	90 a	95 a
15 NIS	0.25 % v/v	4.8 oz/a			PRE					
16 Weedone LV4	12 oz/a	12 oz/a			PRE	B		68 a-d	100 a	100 a
16 NIS	0.25 % v/v	4.8 oz/a			PRE					
LSD (P=.05)							9.7	19.6	18.7	16.9
Standard Deviation							5.2	11.7	11.2	10.1
CV							6.56	18.06	12.93	11.18

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Pest Type		W Weed	W Weed	W Weed							
Pest Code		ERICA	POLPY	CHEAL							
Pest Scientific Name		Conyza canadensis	Persicaria pensylvanica	Chenopodium album							
Pest Name		Canada horsewee	Pennsylvania s	Common lambsqu							
Rating Date		Jun-25-2012	Jun-25-2012	Jun-25-2012							
Rating Type		CONTRO	CONTRO	CONTRO							
Rating Unit		%	%	%							
Number of Subsamples		1	1	1	1	1					
Rating Timing											
Days After First/Last Applic.		61 26	61 26	61 26							
Trt-Eval Interval		26 DA-C	26 DA-C	26 DA-C							
Plant-Eval Interval		56 DP-1	56 DP-1	56 DP-1							
Days After Emergence		47 DE-1	47 DE-1	47 DE-1							
Number of Decimals		0	0	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	50	51	52	53
1	UTC							77 b	56 a	43 c	
2	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	37 c	100 a	100 a	
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
2	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
2	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
3	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	45 c	100 a	100 a	
3	Atrazine	1 lb ai/a		1 qt/a		7 EPP					
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
3	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
3	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
4	Fierce	0.143 lb ai/a		3 oz/a		7 EPP	A	43 c	100 a	100 a	
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		7 EPP					
4	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
4	Atrazine	1 lb ai/a		1 qt/a		POST					
4	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
5	Corvus	0.0616 lb ai/a		3 oz/a		PRE	B	98 a	100 a	100 a	
5	Atrazine	1 lb ai/a		1 qt/a		PRE					
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		PRE					
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		PRE					
5	Roundup Original Max	0.77 lb ae/a		22 oz/a		POST	C				
5	N-PAK AMS	2.5 % v/v		1.5 qt/a		POST					
6	NUP-12004	12 oz/a		12 oz/a		7 EPP	A	100 a	70 a	45 bc	
6	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
7	NUP-12004	18 oz/a		18 oz/a		7 EPP	A	100 a	71 a	50 bc	
7	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
8	Weedone LV4	16 oz/a		16 oz/a		7 EPP	A	98 a	82 a	67 bc	
8	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
9	Weedone LV4	22 oz/a		22 oz/a		7 EPP	A	100 a	73 a	43 c	
9	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
10	Weedone LV4	12 oz/a		12 oz/a		7 EPP	A	83 ab	80 a	53 bc	
10	NIS	0.25 % v/v		4.8 oz/a		7 EPP					
11	Weedone LV4	18 oz/a		18 oz/a		7 EPP	A	90 ab	73 a	50 bc	
11	NIS	0.25 % v/v		4.8 oz/a		7 EPP					

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Pest Type	W Weed	W Weed	W Weed									
Pest Code	ERICA	POLPY	CHEAL									
Pest Scientific Name	Conyza canadensis	Persicaria pennsylvanica	Chenopodium album									
Pest Name	Canada horseweed	Pennsylvania s	Common lambsquarters									
Rating Date	Jun-25-2012	Jun-25-2012	Jun-25-2012									
Rating Type	CONTRO	CONTRO	CONTRO									
Rating Unit	%	%	%									
Number of Subsamples	1	1	1					1 1				
Rating Timing												
Days After First/Last Applic.	61 26	61 26	61 26									
Trt-Eval Interval	26 DA-C	26 DA-C	26 DA-C									
Plant-Eval Interval	56 DP-1	56 DP-1	56 DP-1									
Days After Emergence	47 DE-1	47 DE-1	47 DE-1									
Number of Decimals	0	0	0									
Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate	Unit	Growth Stage	Appl Code	50	51	52	53
12	NUP-12004	12 oz/a		12 oz/a			PRE	B	88 ab	43 a	37 c	
12	NIS	0.25 % v/v		4.8 oz/a			PRE					
13	NUP-12004	18 oz/a		18 oz/a			PRE	B	88 ab	67 a	60 bc	
13	NIS	0.25 % v/v		4.8 oz/a			PRE					
14	Weedone LV4	16 oz/a		16 oz/a			PRE	B	93 ab	63 a	67 bc	
14	NIS	0.25 % v/v		4.8 oz/a			PRE					
15	Weedone LV4	22 oz/a		22 oz/a			PRE	B	100 a	83 a	60 bc	
15	NIS	0.25 % v/v		4.8 oz/a			PRE					
16	Weedone LV4	12 oz/a		12 oz/a			PRE	B	87 ab	62 a	77 ab	
16	NIS	0.25 % v/v		4.8 oz/a			PRE					
	LSD (P=.05)								19.8	35.2	33.3	.
	Standard Deviation								11.9	21.1	20.0	.
	CV								14.31	27.52	30.4	.