

Ohio State University Horticulture and Crop Science

HORSEWEEB BURN DOWN AND RESIDUAL CONTROL IN LL SOYBEANS, FALL AND SPRING

Title No. 2:

Trial ID: 11LLHOWE(WARS) Protocol ID: 11LLHOWE(WARS)
Location: Western Branch G-7 Study Director: Bryan Reeb
Project ID: 11LLHOWE(WARS) Investigator: Dr. Mark M. Loux
Sponsor Contact:

General Trial Information

Study Director: Bryan Reeb **Title:** Research Technician
Investigator: Dr. Mark M. Loux **Title:** Professor

Trial Location

City: South Charleston **Latitude of LL Corner °:** 39.85818 N
State/Prov.: Ohio **Longitude of LL Corner °:** -83.67698 W
Postal Code: 45368
Country: USA

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: SC 3381 LL **Description:** Liberty Link
BBCH Scale: BSOY **Planting Date:** 5/22/11
Planting Method: SEEDED seeded **Rate, Unit:** 197000 S/A
Depth, Unit: 1 IN
Row Spacing, Unit: 15 IN
Seed Bed: MEDIUM medium
Soil Moisture: DAMP damp

Pest Description

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

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

Pest 3 Type: W **Code:** STEME *Stellaria media*
Common Name: Common chickweed

Pest 4 Type: W **Code:** CARPE *Cardamine pensylvanica*
Common Name: Pennsylvania bittercress

Pest 5 Type: W **Code:** RUMCR *Rumex crispus*
Common Name: Curly dock

Pest 6 Type: W **Code:** ERYRE *Erysimum repandum*
Common Name: Bushy wallflower

Pest 7 Type: W **Code:** SENGL *Senecio glabellus*
Common Name: Cressleaf groundsel

Pest 8 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed

Site and Design

Plot Width, Unit: 10 FT **Site Type:** FIELD field
Plot Length, Unit: 30 FT **Experimental Unit:** 1 PLOT plot
Plot Area, Unit: 300 FT2 **Tillage Type:** NOTILL no-till
Replications: 3 **Study Design:** RACOB *Randomized Complete Block (RCB)*
Untreated Arrangement: INCLUDED single control randomized in each block

Soil Description

Description Name: G-7 West
% OM: 1.7 **Texture:** SIL silt loam
pH: 6.1 **Soil Name:** Crosby Silt Loam
CEC: 12.8 **Fert. Level:** G good
Soil Drainage: G good

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Application Description

	A	B	C
Application Date:	11/9/10	4/21/11	6/28/11
Time of Day:	12:30 PM	9:00 AM	10:00 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	FALL	7 EPP	POST
Application Placement:	BROFOL	BROFOL	BROFOL
Air Temperature, Unit:	71 F	43 F	73 F
% Relative Humidity:	35	64	70
Wind Velocity, Unit:	2.4 MPH	6 MPH	6 MPH
Wind Direction:	SSW	NNE	WEST
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	48 F	42 F	
Soil Moisture:	DRY	VERWET	SLIWET
% Cloud Cover:	0	5	5
Next Rain Occurred On:	11/14/10	4/22/11	7/4/11

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA	BSOY GLXMA	BSOY GLXMA

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	LAMPU W	LAMPU W	LAMPU W
Stage Majority, Percent:	16	100	
Height, Unit:	1	IN	
Height Minimum, Maximum:	0.5	1	
Pest 2 Code, Type, Scale:	TAROF W	TAROF W	TAROF W
Stage Majority, Percent:	19	100	
Diameter, Unit:	4	IN	
Pest 3 Code, Type, Scale:	STEME W	STEME W	STEME W
Stage Majority, Percent:	14	100	
Height, Unit:	0.5	IN	
Height Minimum, Maximum:	0.25	0.5	
Pest 4 Code, Type, Scale:	CARPE W	CARPE W	CARPE W
Stage Majority, Percent:		65	100
Height, Unit:		5	IN
Pest 5 Code, Type, Scale:	RUMCR W	RUMCR W	RUMCR W
Stage Majority, Percent:		19	100
Diameter, Unit:		5	IN
Pest 6 Code, Type, Scale:	ERYRE W	ERYRE W	ERYRE W
Stage Majority, Percent:		65	100
Height, Unit:		8	IN
Pest 7 Code, Type, Scale:	SENGL W	SENGL W	SENGL W
Stage Majority, Percent:		65	100
Height, Unit:		10	IN
Pest 8 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:		12	100
Height, Unit:		1.5	IN

Application Equipment

	A	B	C
Appl. Equipment:	Backpack	Backpack	TRACTOR
Equipment Type:	SPRBAC	SPRBAC	SPTMRO
Operating Pressure, Unit:	52 PSI	34 PSI	33 PSI
Nozzle Type:	DG	DG	DG
Nozzle Size:	8002	11002	11002
Nozzle Spacing, Unit:	18 IN	18 IN	20 IN
Boom Length, Unit:	6.67 FT	10 FT	20 FT
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH	6 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	20 gal/ac	15 gal/ac	10 gal/ac
Mix Size, Unit:	0.33 gallons	0.5 gallons	10 gallons
Propellant:	COMCO2	COMCO2	PUMROL

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 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERPSS	AMBTR	SETFA	SETFA	AMBTR
Pest Scientific Name	Ambrosia trifi>	Erophila sp.	Ambrosia trifi>	Setaria faberi	Setaria faberi	Ambrosia trifi>
Pest Name	Giant ragweed	Whitlowgrass	Giant ragweed	Giant foxtail	Giant foxtail	Giant ragweed
Rating Date	4/21/11	4/21/11	5/16/11	5/16/11	6/1/11	6/1/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	163 163	163 163	188 25	188 25	204 41	204 41
Trt-Eval Interval	163 DA-A	163 DA-A	25 DA-B	25 DA-B	41 DA-B	41 DA-B
Plant-Eval Interval	-31 DP-1	-31 DP-1	-6 DP-1	-6 DP-1	10 DP-1	10 DP-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit	Code	1	2	3	4	5	6
1	Ignite	2.34	32 oz/a		B		0	0	95	0	13	37
1	N-pak ams	100	1.5 qt/a		B							
1	Ignite	2.34	22 oz/a		C							
1	N-pak ams	100	1.5 qt/a		C							
2	Ignite	2.34	32 oz/a		B		0	0	93	77	23	27
2	Sencor 75DF	75	8 oz/a		B							
2	N-pak ams	100	1.5 qt/a		B							
2	Ignite	2.34	22 oz/a		C							
2	N-pak ams	100	1.5 qt/a		C							
3	Roundup Power Max	4.5	22 oz/a		B		0	0	97	83	47	65
3	2,4-D Ester	4	1 pt/a		B							
3	N-pak ams	100	1.5 qt/a		B							
3	Ignite	2.34	22 oz/a		C							
3	N-pak ams	100	1.5 qt/a		C							
4	Roundup Power Max	4.5	22 oz/a		B		0	0	94	83	17	42
4	Sharpen	2.85	1 oz/a		B							
4	N-pak ams	100	1.5 qt/a		B							
4	Ignite	2.34	22 oz/a		C							
4	N-pak ams	100	1.5 qt/a		C							
5	Valor XLT @4oz				B		0	0	99	100	94	100
5	Valor SX	51	2.35 oz/a		B							
5	Classic	25	1.65 oz/a		B							
5	Roundup Power Max	4.5	22 oz/a		B							
5	2,4-D Ester	4	1 pt/a		B							
5	N-pak ams	100	1.5 qt/a		B							
5	Ignite	2.34	22 oz/a		C							
5	N-pak ams	100	1.5 qt/a		C							
6	Roundup Power Max	4.5	11 oz/a		A		85	100	97	97	57	60
6	2,4-D Ester	4	1 pt/a		A							
6	N-pak ams	100	1.5 qt/a		A							
6	Roundup Power Max	4.5	22 oz/a		B							
6	2,4-D Ester	4	1 pt/a		B							
6	N-pak ams	100	1.5 qt/a		B							
6	Ignite	2.34	22 oz/a		C							
6	N-pak ams	100	1.5 qt/a		C							
7	Roundup Power Max	4.5	11 oz/a		A		85	75	96	90	33	57
7	2,4-D Ester	4	1 pt/a		A							
7	N-pak ams	100	1.5 qt/a		A							
7	Roundup Power Max	4.5	22 oz/a		B							
7	Sharpen	2.85	1 oz/a		B							
7	N-pak ams	100	1.5 qt/a		B							
7	Ignite	2.34	22 oz/a		C							
7	N-pak ams	100	1.5 qt/a		C							
8	Roundup Power Max	4.5	11 oz/a		A		83	95	100	100	97	78

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERPSS	AMBTR	SETFA	SETFA	AMBTR
Pest Scientific Name	Ambrosia trifi>	Erophila sp.	Ambrosia trifi>	Setaria faberi	Setaria faberi	Ambrosia trifi>
Pest Name	Giant ragweed	Whitlowgrass	Giant ragweed	Giant foxtail	Giant foxtail	Giant ragweed
Rating Date	4/21/11	4/21/11	5/16/11	5/16/11	6/1/11	6/1/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	163 163	163 163	188 25	188 25	204 41	204 41
Trt-Eval Interval	163 DA-A	163 DA-A	25 DA-B	25 DA-B	41 DA-B	41 DA-B
Plant-Eval Interval	-31 DP-1	-31 DP-1	-6 DP-1	-6 DP-1	10 DP-1	10 DP-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Unit	Appl Code	1	2	3	4	5	6
8	2,4-D Ester	4	1	pt/a	A						
8	N-pak ams	100	1.5	qt/a	A						
8	VALOR XLT @4oz				B						
8	Valor SX	51	2.35	oz/a	B						
8	Classic	25	1.65	oz/a	B						
8	Roundup Power Max	4.5	22	oz/a	B						
8	2,4-D Ester	4	1	pt/a	B						
8	N-pak ams	100	1.5	qt/a	B						
8	Ignite	2.34	22	oz/a	C						
8	N-pak ams	100	1.5	qt/a	C						
9	Roundup Power Max	4.5	11	oz/a	A	83	85	88	75	17	33
9	2,4-D Ester	4	1	pt/a	A						
9	N-pak ams	100	1.5	qt/a	A						
9	Ignite	2.34	32	oz/a	B						
9	N-pak ams	100	1.5	qt/a	B						
9	Ignite	2.34	22	oz/a	C						
9	N-pak ams	100	1.5	qt/a	C						
10	Roundup Power Max	4.5	11	oz/a	A	85	82	98	90	48	70
10	2,4-D Ester	4	1	pt/a	A						
10	N-pak ams	100	1.5	qt/a	A						
10	Ignite	2.34	32	oz/a	B						
10	Sencor 75DF	75	8	oz/a	B						
10	N-pak ams	100	1.5	qt/a	B						
10	Ignite	2.34	22	oz/a	C						
10	N-pak ams	100	1.5	qt/a	C						
11	Canopy	75	4.5	oz/a	A	87	100	52	65	17	7
11	2,4-D Ester	4	1	pt/a	A						
11	N-pak ams	100	1.5	qt/a	A						
11	Coc	100	0.6	qt/a	A						
11	Ignite	2.34	22	oz/a	C						
11	N-pak ams	100	1.5	qt/a	C						
12	Canopy	75	2.25	oz/a	A	75	100	99	93	67	67
12	2,4-D Ester	4	1	pt/a	A						
12	N-pak ams	100	1.5	qt/a	A						
12	Coc	100	0.6	qt/a	A						
12	Roundup Power Max	4.5	22	oz/a	B						
12	2,4-D Ester	4	1	pt/a	B						
12	N-pak ams	100	1.5	qt/a	B						
12	Ignite	2.34	22	oz/a	C						
12	N-pak ams	100	1.5	qt/a	C						
13	Canopy	75	2.25	oz/a	A	90	100	98	98	70	72
13	2,4-D Ester	4	1	pt/a	A						
13	N-pak ams	100	1.5	qt/a	A						
13	Coc	100	0.6	qt/a	A						
13	Roundup Power Max	4.5	22	oz/a	B						
13	Sharpen	2.85	1	oz/a	B						
13	N-pak ams	100	1.5	qt/a	B						
13	Ignite	2.34	22	oz/a	C						
13	N-pak ams	100	1.5	qt/a	C						
14	Canopy	75	2.25	oz/a	A	83	100	93	97	63	57
14	2,4-D Ester	4	1	pt/a	A						
14	N-pak ams	100	1.5	qt/a	A						
14	Coc	100	0.6	qt/a	A						
14	Gramoxone Inteon	2	40	oz/a	B						
14	Sencor 75DF	75	8	oz/a	B						

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Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	ERICA	AMBTR
Pest Scientific Name	Conyza canadensis	Conyza canadensis	Ambrosia trifida
Pest Name	Canada horseweed	Canada horseweed	Giant ragweed
Rating Date	6/1/11	6/27/11	6/27/11
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Days After First/Last Applic.	204 41	230 67	230 67
Trt-Eval Interval	41 DA-B	-1 DA-C	-1 DA-C
Plant-Eval Interval	10 DP-1	36 DP-1	36 DP-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit	Code	7	8	9
1	Ignite	2.34	32 oz/a		B		37	53	50
1	N-pak ams	100	1.5 qt/a		B				
1	Ignite	2.34	22 oz/a		C				
1	N-pak ams	100	1.5 qt/a		C				
2	Ignite	2.34	32 oz/a		B		68	47	33
2	Sencor 75DF	75	8 oz/a		B				
2	N-pak ams	100	1.5 qt/a		B				
2	Ignite	2.34	22 oz/a		C				
2	N-pak ams	100	1.5 qt/a		C				
3	Roundup Power Max	4.5	22 oz/a		B		82	53	57
3	2,4-D Ester	4	1 pt/a		B				
3	N-pak ams	100	1.5 qt/a		B				
3	Ignite	2.34	22 oz/a		C				
3	N-pak ams	100	1.5 qt/a		C				
4	Roundup Power Max	4.5	22 oz/a		B		98	60	53
4	Sharpen	2.85	1 oz/a		B				
4	N-pak ams	100	1.5 qt/a		B				
4	Ignite	2.34	22 oz/a		C				
4	N-pak ams	100	1.5 qt/a		C				
5	Valor XLT @4oz				B		100	97	78
5	Valor SX	51	2.35 oz/a		B				
5	Classic	25	1.65 oz/a		B				
5	Roundup Power Max	4.5	22 oz/a		B				
5	2,4-D Ester	4	1 pt/a		B				
5	N-pak ams	100	1.5 qt/a		B				
5	Ignite	2.34	22 oz/a		C				
5	N-pak ams	100	1.5 qt/a		C				
6	Roundup Power Max	4.5	11 oz/a		A		90	53	57
6	2,4-D Ester	4	1 pt/a		A				
6	N-pak ams	100	1.5 qt/a		A				
6	Roundup Power Max	4.5	22 oz/a		B				
6	2,4-D Ester	4	1 pt/a		B				
6	N-pak ams	100	1.5 qt/a		B				
6	Ignite	2.34	22 oz/a		C				
6	N-pak ams	100	1.5 qt/a		C				
7	Roundup Power Max	4.5	11 oz/a		A		83	63	37
7	2,4-D Ester	4	1 pt/a		A				
7	N-pak ams	100	1.5 qt/a		A				
7	Roundup Power Max	4.5	22 oz/a		B				
7	Sharpen	2.85	1 oz/a		B				
7	N-pak ams	100	1.5 qt/a		B				
7	Ignite	2.34	22 oz/a		C				
7	N-pak ams	100	1.5 qt/a		C				
8	Roundup Power Max	4.5	11 oz/a		A		100	100	67

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Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	ERICA	AMBTR
Pest Scientific Name	Conyza canadens	Conyza canadens	Ambrosia trifid
Pest Name	Canada horsewe	Canada horsewe	Giant ragweed
Rating Date	6/1/11	6/27/11	6/27/11
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Days After First/Last Applic.	204 41	230 67	230 67
Trt-Eval Interval	41 DA-B	-1 DA-C	-1 DA-C
Plant-Eval Interval	10 DP-1	36 DP-1	36 DP-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Unit	Appl Code	7	8	9
8	2,4-D Ester	4	1 pt/a		A			
8	N-pak ams	100	1.5 qt/a		A			
8	VALOR XLT @4oz				B			
8	Valor SX	51	2.35 oz/a		B			
8	Classic	25	1.65 oz/a		B			
8	Roundup Power Max	4.5	22 oz/a		B			
8	2,4-D Ester	4	1 pt/a		B			
8	N-pak ams	100	1.5 qt/a		B			
8	Ignite	2.34	22 oz/a		C			
8	N-pak ams	100	1.5 qt/a		C			
9	Roundup Power Max	4.5	11 oz/a		A	0	27	40
9	2,4-D Ester	4	1 pt/a		A			
9	N-pak ams	100	1.5 qt/a		A			
9	Ignite	2.34	32 oz/a		B			
9	N-pak ams	100	1.5 qt/a		B			
9	Ignite	2.34	22 oz/a		C			
9	N-pak ams	100	1.5 qt/a		C			
10	Roundup Power Max	4.5	11 oz/a		A	97	63	57
10	2,4-D Ester	4	1 pt/a		A			
10	N-pak ams	100	1.5 qt/a		A			
10	Ignite	2.34	32 oz/a		B			
10	Sencor 75DF	75	8 oz/a		B			
10	N-pak ams	100	1.5 qt/a		B			
10	Ignite	2.34	22 oz/a		C			
10	N-pak ams	100	1.5 qt/a		C			
11	Canopy	75	4.5 oz/a		A	27	58	33
11	2,4-D Ester	4	1 pt/a		A			
11	N-pak ams	100	1.5 qt/a		A			
11	Coc	100	0.6 qt/a		A			
11	Ignite	2.34	22 oz/a		C			
11	N-pak ams	100	1.5 qt/a		C			
12	Canopy	75	2.25 oz/a		A	98	60	60
12	2,4-D Ester	4	1 pt/a		A			
12	N-pak ams	100	1.5 qt/a		A			
12	Coc	100	0.6 qt/a		A			
12	Roundup Power Max	4.5	22 oz/a		B			
12	2,4-D Ester	4	1 pt/a		B			
12	N-pak ams	100	1.5 qt/a		B			
12	Ignite	2.34	22 oz/a		C			
12	N-pak ams	100	1.5 qt/a		C			
13	Canopy	75	2.25 oz/a		A	100	80	63
13	2,4-D Ester	4	1 pt/a		A			
13	N-pak ams	100	1.5 qt/a		A			
13	Coc	100	0.6 qt/a		A			
13	Roundup Power Max	4.5	22 oz/a		B			
13	Sharpen	2.85	1 oz/a		B			
13	N-pak ams	100	1.5 qt/a		B			
13	Ignite	2.34	22 oz/a		C			
13	N-pak ams	100	1.5 qt/a		C			
14	Canopy	75	2.25 oz/a		A	100	67	53
14	2,4-D Ester	4	1 pt/a		A			
14	N-pak ams	100	1.5 qt/a		A			
14	Coc	100	0.6 qt/a		A			
14	Gramoxone Inteon	2	40 oz/a		B			
14	Sencor 75DF	75	8 oz/a		B			

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERPSS	AMBTR	SETFA	SETFA	AMBTR
Pest Scientific Name	Ambrosia trifi>	Erophila sp.	Ambrosia trifi>	Setaria faberi	Setaria faberi	Ambrosia trifi>
Pest Name	Giant ragweed	Whitlowgrass	Giant ragweed	Giant foxtail	Giant foxtail	Giant ragweed
Rating Date	4/21/11	4/21/11	5/16/11	5/16/11	6/1/11	6/1/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	163 163	163 163	188 25	188 25	204 41	204 41
Trt-Eval Interval	163 DA-A	163 DA-A	25 DA-B	25 DA-B	41 DA-B	41 DA-B
Plant-Eval Interval	-31 DP-1	-31 DP-1	-6 DP-1	-6 DP-1	10 DP-1	10 DP-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Unit	Appl Code	1	2	3	4	5	6
14	N-pak ams	100	1.5	qt/a	B						
14	Ignite	2.34	22	oz/a	C						
14	N-pak ams	100	1.5	qt/a	C						
15	Canopy	75	2.25	oz/a	A	80	100	99	100	95	85
15	2,4-D Ester	4	1	pt/a	A						
15	N-pak ams	100	1.5	qt/a	A						
15	Coc	100	0.6	qt/a	A						
15	Valor XLT @4oz				B						
15	Valor SX	51	2.35	oz/a	B						
15	Classic	25	1.65	oz/a	B						
15	Roundup Power Max	4.5	22	oz/a	B						
15	2,4-D Ester	4	1	pt/a	B						
15	N-pak ams	100	1.5	qt/a	B						
15	Ignite	2.34	22	oz/a	C						
15	N-pak ams	100	1.5	qt/a	C						
16	Canopy	75	2.25	oz/a	A	87	100	99	100	93	70
16	2,4-D Ester	4	1	pt/a	A						
16	N-pak ams	100	1.5	qt/a	A						
16	Coc	100	0.6	qt/a	A						
16	Valor XLT @2oz				B						
16	Valor SX	51	1.17	oz/a	B						
16	Classic	25	0.83	oz/a	B						
16	Roundup Power Max	4.5	22	oz/a	B						
16	2,4-D Ester	4	1	pt/a	B						
16	N-pak ams	100	1.5	qt/a	B						
16	Ignite	2.34	22	oz/a	C						
16	N-pak ams	100	1.5	qt/a	C						
17	Canopy	75	2.25	oz/a	A	75	100	92	92	47	47
17	2,4-D Ester	4	1	pt/a	A						
17	N-pak ams	100	1.5	qt/a	A						
17	Coc	100	0.6	qt/a	A						
17	Ignite	2.34	32	oz/a	B						
17	N-pak ams	100	1.5	qt/a	B						
17	Ignite	2.34	22	oz/a	C						
17	N-pak ams	100	1.5	qt/a	C						
18	Canopy	75	2.25	oz/a	A	83	100	98	97	57	53
18	2,4-D Ester	4	1	pt/a	A						
18	N-pak ams	100	1.5	qt/a	A						
18	Coc	100	0.6	qt/a	A						
18	Ignite	2.34	32	oz/a	B						
18	Sencor 75DF	75	8	oz/a	B						
18	N-pak ams	100	1.5	qt/a	B						
18	Ignite	2.34	22	oz/a	C						
18	N-pak ams	100	1.5	qt/a	C						
LSD (P=.05)		7.3	10.6					19.5	21.3	36.3	32.8
Standard Deviation		4.4	6.3					11.7	12.8	21.8	19.7
CV		7.27	9.22					12.48	14.99	41.09	34.58
Bartlett's X2		9.963	5.213					71.787	19.22	27.39	10.498
P(Bartlett's X2)		0.444	0.157					0.001*	0.083	0.053	0.787
Replicate F		0.024	0.046					0.122	1.613	0.258	0.477
Replicate Prob(F)		0.9761	0.9549					0.8855	0.2141	0.7741	0.6250
Treatment F		233.177	147.829					2.631	10.175	5.386	3.910
Treatment Prob(F)		0.0001	0.0001					0.0080	0.0001	0.0001	0.0004

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Pest Type	W Weed	W Weed	W Weed
Pest Code	ERICA	ERICA	AMBTR
Pest Scientific Name	Conyza canadens	Conyza canadens	Ambrosia trifid
Pest Name	Canada horseweed	Canada horseweed	Giant ragweed
Rating Date	6/1/11	6/27/11	6/27/11
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Days After First/Last Applic.	204 41	230 67	230 67
Trt-Eval Interval	41 DA-B	-1 DA-C	-1 DA-C
Plant-Eval Interval	10 DP-1	36 DP-1	36 DP-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Unit	Appl Code	7	8	9
14	N-pak ams	100	1.5 qt/a		B			
14	Ignite	2.34	22 oz/a		C			
14	N-pak ams	100	1.5 qt/a		C			
15	Canopy	75	2.25 oz/a		A	100	100	60
15	2,4-D Ester	4	1 pt/a		A			
15	N-pak ams	100	1.5 qt/a		A			
15	Coc	100	0.6 qt/a		A			
15	Valor XLT @4oz				B			
15	Valor SX	51	2.35 oz/a		B			
15	Classic	25	1.65 oz/a		B			
15	Roundup Power Max	4.5	22 oz/a		B			
15	2,4-D Ester	4	1 pt/a		B			
15	N-pak ams	100	1.5 qt/a		B			
15	Ignite	2.34	22 oz/a		C			
15	N-pak ams	100	1.5 qt/a		C			
16	Canopy	75	2.25 oz/a		A	100	97	60
16	2,4-D Ester	4	1 pt/a		A			
16	N-pak ams	100	1.5 qt/a		A			
16	Coc	100	0.6 qt/a		A			
16	Valor XLT @2oz				B			
16	Valor SX	51	1.17 oz/a		B			
16	Classic	25	0.83 oz/a		B			
16	Roundup Power Max	4.5	22 oz/a		B			
16	2,4-D Ester	4	1 pt/a		B			
16	N-pak ams	100	1.5 qt/a		B			
16	Ignite	2.34	22 oz/a		C			
16	N-pak ams	100	1.5 qt/a		C			
17	Canopy	75	2.25 oz/a		A	83	62	43
17	2,4-D Ester	4	1 pt/a		A			
17	N-pak ams	100	1.5 qt/a		A			
17	Coc	100	0.6 qt/a		A			
17	Ignite	2.34	32 oz/a		B			
17	N-pak ams	100	1.5 qt/a		B			
17	Ignite	2.34	22 oz/a		C			
17	N-pak ams	100	1.5 qt/a		C			
18	Canopy	75	2.25 oz/a		A	100	73	40
18	2,4-D Ester	4	1 pt/a		A			
18	N-pak ams	100	1.5 qt/a		A			
18	Coc	100	0.6 qt/a		A			
18	Ignite	2.34	32 oz/a		B			
18	Sencor 75DF	75	8 oz/a		B			
18	N-pak ams	100	1.5 qt/a		B			
18	Ignite	2.34	22 oz/a		C			
18	N-pak ams	100	1.5 qt/a		C			
LSD (P=.05)						24.2	23.8	26.9
Standard Deviation						14.5	14.3	16.1
CV						17.88	21.17	30.85
Bartlett's X2						15.616	11.733	19.784
P(Bartlett's X2)						0.075	0.699	0.23
Replicate F						0.272	2.797	0.759
Replicate Prob(F)						0.7638	0.0750	0.4759
Treatment F						12.612	6.040	1.759
Treatment Prob(F)						0.0001	0.0001	0.0791

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HORSEWEEB BURN DOWN AND RESIDUAL CONTROL IN LL SOYBEANS, FALL AND SPRING

Title No. 2:

Trial ID: 11LLHOWE(WARS) Protocol ID: 11LLHOWE(WARS)
Location: Western Branch G-7 Study Director: Bryan Reeb
Project ID: 11LLHOWE(WARS) Investigator: Dr. Mark M. Loux
Sponsor Contact:

Pest Type

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

Pest Code

AMBTR, Ambrosia trifida, = US
ERPSS, Erophila sp., = US
SETFA, Setaria faberi, = US
ERICA, Conyza canadensis, = US

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

Plant-Eval Interval

-31 DP-1 = 1 5/22/11
-6 DP-1 = 1 5/22/11
10 DP-1 = 1 5/22/11
36 DP-1 = 1 5/22/11