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Evaluate preemerge applications of DPX R5W13 for crop response and weed control as compared to Envive and Canopy

Trial ID: 14 DUPONTPRE Location: Western Branch Trial Year: 2014
Protocol ID: 14 DUPONTPRE Investigator: Dr. Mark M. Loux
Project ID: USA-14-114 Study Director: Bryan Reeb
Sponsor Contact: Marsha Martin, DuPont

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: PIONEER 35T58
Description: Roundup Ready

Planting Date: 5/8/2014
Planting Rate, Unit: 170000 S/A
Planting Method: PLANTD planted
Planting Equipment: FE Field Equipment
Row Spacing, Unit: 15 IN
Emergence Date: 5/19/2014
Seed Bed: SMOTRA smooth/trashy

Pest Description

Pest 1 Type: W Code: SETFA Setaria faberi
Common Name: Giant foxtail

Pest 2 Type: W Code: AMBTR Ambrosia trifida
Common Name: Giant ragweed

Pest 3 Type: W Code: CHEAL Chenopodium album
Common Name: Common lambsquarters

Pest 4 Type: W Code: AMARE Amaranthus retroflexus
Common Name: Redroot pigweed

Pest 5 Type: W Code: ABUTH Abutilon theophrasti
Common Name: velvetleaf

Site and Design

Treated Plot Width: 6.67 FT
Site Type: FIELD field
Treated Plot Length: 30 FT
Experimental Unit: 1 PLOT plot
Treated Plot Area: 200.1 FT2 Treatments: 10
Tillage Type: CONTIL conventional-till
Replications: 3
Study Design: RACOBL Randomized Complete Block (RCB)

No. Previous Crop Year
1. CORN 2013

Soil Description

Description Name: F-8 East
% OM: 2.4
Texture: SICL silty clay loam
pH: 6.2
Soil Name: Kokomo
CEC: 16
Fert. Level: G good
Soil Drainage: G good

Application Description

	A	B
Application Date:	5/8/2014	6/5/2014
Appl. Start Time:	7:10 PM	11:00 AM
Appl. Stop Time:		11:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	28 DAPL
Application Placement:	BROSOI	BROFOL
Applied By:		Ackley
Air Temperature, Unit:	84 F	66 F
% Relative Humidity:	49.2	77
Wind Velocity, Unit:	10 MPH	5.5 MPH
Wind Direction:	SSW	W
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	67 F	62 F
Soil Moisture:	DRY	WET
% Cloud Cover:	10	10
Next Moisture Occurred On:	5/10/2014	6/7/2014
Time to Next Moisture, Unit:	2 DAY	2 DAY

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		12 100
Height, Unit:		4 IN
Height Minimum, Maximum:		4 5

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Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:		13 100
Height, Unit:		4 IN
Height Minimum, Maximum:		4 5
Density, Unit:	205.2 M2	
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:		14 100
Height, Unit:		6 IN
Height Minimum, Maximum:		4 6
Density, Unit:	20 M2	
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W
Density, Unit:	10.4 M2	
Pest 4 Code, Type, Scale:	AMARE W	AMARE W
Density, Unit:	8 M2	
Pest 5 Code, Type, Scale:	ABUTH W	ABUTH W
Density, Unit:	1.2 M2	

Application Equipment

	A	B
Appl. Equipment:	6' BACKPACK	6' BACKPACK
Equipment Type:	BACCAI	BACCAI
Operation Pressure, Unit:	50 PSI	50 PSI
Nozzle Type:	AIXR	AIXR
Nozzle Size:	11015	11015
Nozzle Spacing, Unit:	18 IN	18 IN
Nozzles/Row:	4	4
Boom Length, Unit:	6.67 FT	6.67 FT
Boom Height, Unit:	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 gal/ac	15 gal/ac
Mix Size, Unit:	1 liters	1 liters
Propellant:	COMCO2	COMCO2

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Protocol ID: 14 DUPONTPRE Investigator: Dr. Mark M. Loux
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Sponsor Contact: Marsha Martin, DuPont

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5
	Pest Type								W Weed	W Weed		W Weed
	Pest Code								SETFA	AMBTR		SETFA
	Pest Scientific Name								Setaria faberi	Ambrosia trifi>		Setaria faberi
	Pest Name								Giant foxtail	Giant ragweed		Giant foxtail
	Crop Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
	BBCH Scale							BSOY	BSOY	BSOY	BSOY	BSOY
	Crop Scientific Name							Glycine max	Glycine max	Glycine max	Glycine max	Glycine max
	Crop Name							Soybean	Soybean	Soybean	Soybean	Soybean
	Rating Date							5/28/2014	5/28/2014	5/28/2014	6/5/2014	6/5/2014
	Rating Type							PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO
	Rating Unit							%	%	%	%	%
	Number of Subsamples							1	1	1	1	1
	Days After First/Last Applic.							20 20	20 20	20 20	28 28	28 28
	Trt-Eval Interval							20 DA-A	20 DA-A	20 DA-A	28 DA-A	28 DA-A
	Plant-Eval Interval							20 DP-1	20 DP-1	20 DP-1	28 DP-1	28 DP-1
	Days After Emergence							9 DE-1	9 DE-1	9 DE-1	17 DE-1	17 DE-1
	Number of Decimals							0	0	0	0	0
1	Envive @ 3.5 oz							0	77	77	1	57
1	Classic	0.02	lb ai/a	1.28	oz/a	PRE	A					
1	Thifensulfuron	0.0065	lb ai/a	0.208	oz/a	PRE	A					
1	Valor SX	0.0625	lb ai/a	1.96	oz/a	PRE	A					
1	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
1	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
2	Envive @ 3.5 oz							3	98	67	3	78
2	Classic	0.02	lb ai/a	1.28	oz/a	PRE	A					
2	Thifensulfuron	0.0065	lb ai/a	0.208	oz/a	PRE	A					
2	Valor SX	0.0625	lb ai/a	1.96	oz/a	PRE	A					
2	Zidua	0.08	lb ai/a	1.5	oz/a	PRE	A					
2	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
2	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
3	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	2	100	47	0	78
3	Cinch	0.955	lb ai/a	1	pt/a	PRE	A					
3	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
3	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
4	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	1	47	17	0	33
4	Cinch	0.955	lb ai/a	1	pt/a	PRE	A					
4	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
4	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
5	Trivence @ 8 oz							1	60	40	0	47
5	Classic	0.0195	lb ai/a	1.25	oz/a	PRE	A					
5	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
5	Valor SX	0.064	lb ai/a	2	oz/a	PRE	A					
5	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
5	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
6	Trivence @ 8 oz							2	92	55	1	67
6	Classic	0.0195	lb ai/a	1.25	oz/a	PRE	A					
6	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
6	Valor SX	0.064	lb ai/a	2	oz/a	PRE	A					
6	Zidua	0.08	lb ai/a	1.5	oz/a	PRE	A					
6	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
6	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
7	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	0	47	33	1	40
7	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
7	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
7	N-pak ams	3	% v/v	1.8	qt/a	POST	B					

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Pest Type									W Weed		W Weed					W Weed
Pest Code									SETFA		AMBTR					SETFA
Pest Scientific Name									Setaria faberi		Ambrosia trifi>					Setaria faberi
Pest Name									Giant foxtail		Giant ragweed					Giant foxtail
Crop Code									GLXMA		GLXMA		GLXMA		GLXMA	GLXMA
BBCH Scale									BSOY		BSOY		BSOY		BSOY	BSOY
Crop Scientific Name									Glycine max		Glycine max		Glycine max		Glycine max	Glycine max
Crop Name									Soybean		Soybean		Soybean		Soybean	Soybean
Rating Date									5/28/2014		5/28/2014		5/28/2014		6/5/2014	6/5/2014
Rating Type									PHYGEN		CONTRO		CONTRO		PHYGEN	CONTRO
Rating Unit									%		%		%		%	%
Number of Subsamples									1		1		1		1	1
Days After First/Last Applic.									20	20	20	20	20	20	28	28	28	28
Trt-Eval Interval									20 DA-A		20 DA-A		20 DA-A		28 DA-A		28 DA-A	
Plant-Eval Interval									20 DP-1		20 DP-1		20 DP-1		28 DP-1		28 DP-1	
Days After Emergence									9 DE-1		9 DE-1		9 DE-1		17 DE-1		17 DE-1	
Number of Decimals									0		0		0		0		0	

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5
8	Boundary	1.22	lb ai/a	1.5	pt/a	PRE	A	2	100	47	2	83
8	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
8	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
9	Fierce	0.143	lb ai/a	3	oz/a	PRE	A	3	98	50	2	67
9	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
9	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
10	UTC							0	0	0	0	0
LSD (P=.05)								3.5	22.9	37.5	2.8	22.9
Standard Deviation								2.0	13.3	21.9	1.6	13.4
CV								159.21	18.57	50.69	166.33	24.29
Bartlett's X2								1.211	12.568	1.504	1.847	20.043
P(Bartlett's X2)								0.976	0.05	0.993	0.87	0.01*
Replicate F								0.426	0.702	2.957	0.670	1.176
Replicate Prob(F)								0.6594	0.5088	0.0775	0.5238	0.3310
Treatment F								0.798	18.656	3.173	1.073	11.120
Treatment Prob(F)								0.6232	0.0001	0.0177	0.4266	0.0001

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Pest Type							W Weed		W Weed		W Weed	W Weed
Pest Code							AMBTR		AMBEL		CHEAL	ABUTH
Pest Scientific Name							Ambrosia trifi>		Ambrosia artem>		Chenopodium al>	Abutilon theop>
Pest Name							Giant ragweed		Common ragweed		Common lambsqu>	velvetleaf
Crop Code							GLXMA		GLXMA		GLXMA	GLXMA
BBCH Scale							BSOY		BSOY		BSOY	BSOY
Crop Scientific Name							Glycine max		Glycine max		Glycine max	Glycine max
Crop Name							Soybean		Soybean		Soybean	Soybean
Rating Date							6/5/2014		6/5/2014		6/5/2014	6/5/2014
Rating Type							CONTRO		CONTRO		CONTRO	CONTRO
Rating Unit							%		%		%	%
Number of Subsamples							1		1		1	1
Days After First/Last Applic.							28	28	28	28	28 28	28 28
Trt-Eval Interval							28 DA-A		28 DA-A		28 DA-A	28 DA-A
Plant-Eval Interval							28 DP-1		28 DP-1		28 DP-1	28 DP-1
Days After Emergence							17 DE-1		17 DE-1		17 DE-1	17 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	6	7	8	9	
1	Envive @ 3.5 oz							57	100	100	100	
1	Classic	0.02	lb ai/a	1.28	oz/a	PRE	A					
1	Thifensulfuron	0.0065	lb ai/a	0.208	oz/a	PRE	A					
1	Valor SX	0.0625	lb ai/a	1.96	oz/a	PRE	A					
1	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
1	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
2	Envive @ 3.5 oz							60	100	100	100	
2	Classic	0.02	lb ai/a	1.28	oz/a	PRE	A					
2	Thifensulfuron	0.0065	lb ai/a	0.208	oz/a	PRE	A					
2	Valor SX	0.0625	lb ai/a	1.96	oz/a	PRE	A					
2	Zidua	0.08	lb ai/a	1.5	oz/a	PRE	A					
2	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
2	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
3	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	40	100	100	100	
3	Cinch	0.955	lb ai/a	1	pt/a	PRE	A					
3	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
3	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
4	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	23	100	100	100	
4	Cinch	0.955	lb ai/a	1	pt/a	PRE	A					
4	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
4	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
5	Trivence @ 8 oz							40	100	100	100	
5	Classic	0.0195	lb ai/a	1.25	oz/a	PRE	A					
5	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
5	Valor SX	0.064	lb ai/a	2	oz/a	PRE	A					
5	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
5	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
6	Trivence @ 8 oz							50	100	100	100	
6	Classic	0.0195	lb ai/a	1.25	oz/a	PRE	A					
6	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
6	Valor SX	0.064	lb ai/a	2	oz/a	PRE	A					
6	Zidua	0.08	lb ai/a	1.5	oz/a	PRE	A					
6	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
6	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
7	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	30	100	100	100	
7	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
7	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
7	N-pak ams	3	% v/v	1.8	qt/a	POST	B					

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Pest Type							W Weed	W Weed	W Weed	W Weed
Pest Code							AMBTR	AMBEL	CHEAL	ABUTH
Pest Scientific Name							Ambrosia trifi>	Ambrosia artem>	Chenopodium al>	Abutilon theop>
Pest Name							Giant ragweed	Common ragweed	Common lambsqu>	velvetleaf
Crop Code							GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale							BSOY	BSOY	BSOY	BSOY
Crop Scientific Name							Glycine max	Glycine max	Glycine max	Glycine max
Crop Name							Soybean	Soybean	Soybean	Soybean
Rating Date							6/5/2014	6/5/2014	6/5/2014	6/5/2014
Rating Type							CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit							%	%	%	%
Number of Subsamples							1	1	1	1
Days After First/Last Applic.							28 28	28 28	28 28	28 28
Trt-Eval Interval							28 DA-A	28 DA-A	28 DA-A	28 DA-A
Plant-Eval Interval							28 DP-1	28 DP-1	28 DP-1	28 DP-1
Days After Emergence							17 DE-1	17 DE-1	17 DE-1	17 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	6	7	8	9
8	Boundary	1.22	lb ai/a	1.5	pt/a	PRE A	43	100	100	100
8	Abundit Extra	0.75	lb ae/a	32	oz/a	POST B				
8	N-pak ams	3	% v/v	1.8	qt/a	POST B				
9	Fierce	0.143	lb ai/a	3	oz/a	PRE A	33	97	100	100
9	Abundit Extra	0.75	lb ae/a	32	oz/a	POST B				
9	N-pak ams	3	% v/v	1.8	qt/a	POST B				
10	UTC						0	0	0	0
LSD (P=.05)							36.1	3.1	0.0	0.0
Standard Deviation							21.1	1.8	0.0	0.0
CV							55.9	2.04	0.0	0.0
Bartlett's X2							6.663	0.0	0.0	0.0
P(Bartlett's X2)							0.573	.	.	.
Replicate F							1.000	1.000	0.000	0.000
Replicate Prob(F)							0.3874	0.3874	1.0000	1.0000
Treatment F							2.073	894.333	0.000	0.000
Treatment Prob(F)							0.0899	0.0001	1.0000	1.0000

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							10	11	12	13	14
Pest Type							W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code							SIDSP	SETFA	AMBTR	AMBEL	CHEAL
Pest Scientific Name							Sida spinosa	Setaria faberi	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>
Pest Name							Prickly sida	Giant foxtail	Giant ragweed	Common ragweed	Common lambsqu>
Crop Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale							BSOY	BSOY	BSOY	BSOY	BSOY
Crop Scientific Name							Glycine max	Glycine max	Glycine max	Glycine max	Glycine max
Crop Name							Soybean	Soybean	Soybean	Soybean	Soybean
Rating Date							6/5/2014	7/2/2014	7/2/2014	7/2/2014	7/2/2014
Rating Type							CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit							%	%	%	%	%
Number of Subsamples							1	1	1	1	1
Days After First/Last Applic.							28 28	55 27	55 27	55 27	55 27
Trt-Eval Interval							28 DA-A				
Plant-Eval Interval							28 DP-1	55 DP-1	55 DP-1	55 DP-1	55 DP-1
Days After Emergence							17 DE-1	44 DE-1	44 DE-1	44 DE-1	44 DE-1
Number of Decimals							0				
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	Envive @ 3.5 oz							100	63.3	73.3	100.0	100.0
1	Classic	0.02	lb ai/a	1.28	oz/a	PRE	A					
1	Thifensulfuron	0.0065	lb ai/a	0.208	oz/a	PRE	A					
1	Valor SX	0.0625	lb ai/a	1.96	oz/a	PRE	A					
1	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
1	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
2	Envive @ 3.5 oz							100	71.7	65.0	100.0	100.0
2	Classic	0.02	lb ai/a	1.28	oz/a	PRE	A					
2	Thifensulfuron	0.0065	lb ai/a	0.208	oz/a	PRE	A					
2	Valor SX	0.0625	lb ai/a	1.96	oz/a	PRE	A					
2	Zidua	0.08	lb ai/a	1.5	oz/a	PRE	A					
2	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
2	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
3	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	100	68.3	63.3	100.0	100.0
3	Cinch	0.955	lb ai/a	1	pt/a	PRE	A					
3	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
3	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
4	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	100	66.7	60.0	100.0	100.0
4	Cinch	0.955	lb ai/a	1	pt/a	PRE	A					
4	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
4	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
5	Trivence @ 8 oz							100	68.3	68.3	100.0	100.0
5	Classic	0.0195	lb ai/a	1.25	oz/a	PRE	A					
5	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
5	Valor SX	0.064	lb ai/a	2	oz/a	PRE	A					
5	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
5	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
6	Trivence @ 8 oz							100	66.7	68.3	100.0	100.0
6	Classic	0.0195	lb ai/a	1.25	oz/a	PRE	A					
6	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
6	Valor SX	0.064	lb ai/a	2	oz/a	PRE	A					
6	Zidua	0.08	lb ai/a	1.5	oz/a	PRE	A					
6	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
6	N-pak ams	3	% v/v	1.8	qt/a	POST	B					
7	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	100	70.0	63.3	100.0	100.0
7	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A					
7	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B					
7	N-pak ams	3	% v/v	1.8	qt/a	POST	B					

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							10	11	12	13	14
Pest Type							W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code							SIDSP	SETFA	AMBTR	AMBEL	CHEAL
Pest Scientific Name							Sida spinosa	Setaria faberi	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>
Pest Name							Prickly sida	Giant foxtail	Giant ragweed	Common ragweed	Common lambsqu>
Crop Code							GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale							BSOY	BSOY	BSOY	BSOY	BSOY
Crop Scientific Name							Glycine max	Glycine max	Glycine max	Glycine max	Glycine max
Crop Name							Soybean	Soybean	Soybean	Soybean	Soybean
Rating Date							6/5/2014	7/2/2014	7/2/2014	7/2/2014	7/2/2014
Rating Type							CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit							%	%	%	%	%
Number of Subsamples							1	1	1	1	1
Days After First/Last Applic.							28 28	55 27	55 27	55 27	55 27
Trt-Eval Interval							28 DA-A				
Plant-Eval Interval							28 DP-1	55 DP-1	55 DP-1	55 DP-1	55 DP-1
Days After Emergence							17 DE-1	44 DE-1	44 DE-1	44 DE-1	44 DE-1
Number of Decimals							0				
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage / Appl Code	10	11	12	13	14
8	Boundary	1.22	lb ai/a	1.5	pt/a	PRE A	100	75.0	66.7	100.0	100.0
8	Abundit Extra	0.75	lb ae/a	32	oz/a	POST B					
8	N-pak ams	3	% v/v	1.8	qt/a	POST B					
9	Fierce	0.143	lb ai/a	3	oz/a	PRE A	100	70.0	63.3	100.0	100.0
9	Abundit Extra	0.75	lb ae/a	32	oz/a	POST B					
9	N-pak ams	3	% v/v	1.8	qt/a	POST B					
10	UTC						0	100.0	100.0	100.0	100.0
LSD (P=.05)							0.0	14.75	13.83	0.00	0.00
Standard Deviation							0.0	8.60	8.06	0.00	0.00
CV							0.0	11.94	11.66	0.0	0.0
Bartlett's X2							0.0	9.096	3.98	0.0	0.0
P(Bartlett's X2)							.	0.334	0.782	.	.
Replicate F							0.000	4.195	2.667	0.000	0.000
Replicate Prob(F)							1.0000	0.0319	0.0968	1.0000	1.0000
Treatment F							0.000	4.331	6.047	0.000	0.000
Treatment Prob(F)							1.0000	0.0040	0.0006	1.0000	1.0000

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	15	16	17
Pest Type	W Weed	W Weed	
Pest Code	ABUTH	SIDSP	
Pest Scientific Name	Abutilon theop>	Sida spinosa	
Pest Name	velvetleaf	Prickly sida	
Crop Code	GLXMA	GLXMA	
BBCH Scale	BSOY	BSOY	
Crop Scientific Name	Glycine max	Glycine max	
Crop Name	Soybean	Soybean	
Rating Date	7/2/2014	7/2/2014	
Rating Type	CONTRO	CONTRO	
Rating Unit	%	%	
Number of Subsamples	1	1	1
Days After First/Last Applic.	55 27	55 27	
Trt-Eval Interval			
Plant-Eval Interval	55 DP-1	55 DP-1	
Days After Emergence	44 DE-1	44 DE-1	
Number of Decimals			

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17
1	Envive @ 3.5 oz							100.0	100.0	
1	Classic	0.02	lb ai/a	1.28	oz/a	PRE	A			
1	Thifensulfuron	0.0065	lb ai/a	0.208	oz/a	PRE	A			
1	Valor SX	0.0625	lb ai/a	1.96	oz/a	PRE	A			
1	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
1	N-pak ams	3	% v/v	1.8	qt/a	POST	B			
2	Envive @ 3.5 oz							100.0	100.0	
2	Classic	0.02	lb ai/a	1.28	oz/a	PRE	A			
2	Thifensulfuron	0.0065	lb ai/a	0.208	oz/a	PRE	A			
2	Valor SX	0.0625	lb ai/a	1.96	oz/a	PRE	A			
2	Zidua	0.08	lb ai/a	1.5	oz/a	PRE	A			
2	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
2	N-pak ams	3	% v/v	1.8	qt/a	POST	B			
3	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	100.0	100.0	
3	Cinch	0.955	lb ai/a	1	pt/a	PRE	A			
3	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
3	N-pak ams	3	% v/v	1.8	qt/a	POST	B			
4	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	100.0	100.0	
4	Cinch	0.955	lb ai/a	1	pt/a	PRE	A			
4	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
4	N-pak ams	3	% v/v	1.8	qt/a	POST	B			
5	Trivence @ 8 oz							100.0	100.0	
5	Classic	0.0195	lb ai/a	1.25	oz/a	PRE	A			
5	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A			
5	Valor SX	0.064	lb ai/a	2	oz/a	PRE	A			
5	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
5	N-pak ams	3	% v/v	1.8	qt/a	POST	B			
6	Trivence @ 8 oz							100.0	100.0	
6	Classic	0.0195	lb ai/a	1.25	oz/a	PRE	A			
6	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A			
6	Valor SX	0.064	lb ai/a	2	oz/a	PRE	A			
6	Zidua	0.08	lb ai/a	1.5	oz/a	PRE	A			
6	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
6	N-pak ams	3	% v/v	1.8	qt/a	POST	B			
7	Canopy	0.188	lb ai/a	4	oz/a	PRE	A	100.0	100.0	
7	Sencor 75DF	0.188	lb ai/a	4	oz/a	PRE	A			
7	Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
7	N-pak ams	3	% v/v	1.8	qt/a	POST	B			

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							15	16	17
Pest Type							W Weed	W Weed	
Pest Code							ABUTH	SIDSP	
Pest Scientific Name							Abutilon theop>	Sida spinosa	
Pest Name							velvetleaf	Prickly sida	
Crop Code							GLXMA	GLXMA	
BBCH Scale							BSOY	BSOY	
Crop Scientific Name							Glycine max	Glycine max	
Crop Name							Soybean	Soybean	
Rating Date							7/2/2014	7/2/2014	
Rating Type							CONTRO	CONTRO	
Rating Unit							%	%	
Number of Subsamples							1	1	1
Days After First/Last Applic.							55 27	55 27	
Trt-Eval Interval									
Plant-Eval Interval							55 DP-1	55 DP-1	
Days After Emergence							44 DE-1	44 DE-1	
Number of Decimals									
Trt No. Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17
8 Boundary	1.22	lb ai/a	1.5	pt/a	PRE	A	100.0	100.0	
8 Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
8 N-pak ams	3	% v/v	1.8	qt/a	POST	B			
9 Fierce	0.143	lb ai/a	3	oz/a	PRE	A	100.0	100.0	
9 Abundit Extra	0.75	lb ae/a	32	oz/a	POST	B			
9 N-pak ams	3	% v/v	1.8	qt/a	POST	B			
10 UTC							100.0	100.0	
LSD (P=.05)							0.00	0.00	.
Standard Deviation							0.00	0.00	.
CV							0.0	0.0	.
Bartlett's X2							0.0	0.0	.
P(Bartlett's X2)							.	.	.
Replicate F							0.000	0.000	
Replicate Prob(F)							1.0000	1.0000	
Treatment F							0.000	0.000	
Treatment Prob(F)							1.0000	1.0000	

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Evaluate preemerge applications of DPX R5W13 for crop response and weed control as compared to Envive and Canopy

Trial ID: 14 DUPONTPRE Location: Western Branch Trial Year: 2014
Protocol ID: 14 DUPONTPRE Investigator: Dr. Mark M. Loux
Project ID: USA-14-114 Study Director: Bryan Reeb
Sponsor Contact: Marsha Martin, DuPont

Pest Type
W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop
Pest Code
SETFA, Setaria faberi, = US
AMBTR, Ambrosia trifida, = US
AMBEL, Ambrosia artemisiifolia, = US
CHEAL, Chenopodium album, = US
ABUTH, Abutilon theophrasti, = US
SIDSP, Sida spinosa, = US
Crop Code
GLXMA, BSOY, Glycine max, = US
Rating Type
PHYGEN = phytotoxicity - general / injury
CONTRO = control / burndown or knockdown
Rating Unit
% = percent
Plant-Eval Interval
20 DP-1 = 1 GLXMA 5/8/2014
28 DP-1 = 1 GLXMA 5/8/2014
55 DP-1 = 1 GLXMA 5/8/2014