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DPX R5W13 Applied Preemergence to Soybeans

Trial ID: 13S-THP-CTS-50 Protocol ID: 13S-THP-CTS-50
 Location: Throckmorton Study Director:
 Project ID: USA-13-114 Investigator: Dr. Bill Johnson
 Sponsor Contact: DuPont - Helen Flanigan

General Trial Information

Study Director: Bill Johnson
Investigator: Dr. Bill Johnson **Title:** Professor

Discipline: H herbicide
Trial Status: E established
Initiation Date: Mar-28-2013

Trial Location

City: Lafayette
State/Prov.: IN
Postal Code: 47909
Country: USA

Personnel

Study Director: Bill Johnson
Investigator: Dr. Bill Johnson **Title:** Professor
Affiliation: Purdue University
Address: 915 W State Street
Location: West Lafayette, IN, USA
Postal Code: 47907 **E-mail:** wgj@purdue.edu
Phone No.: 765-494-4656 **Mobile No.:** 765-404-9801

Cooperator/Landowner

Cooperator: Throckmorton Purdue Ag Center **Role:** Purdue Ag Center
Organization: Purdue University
Address 1: 8343 US 231 S

City: Lafayette **Phone No.:** 765-538-3422
State/Prov.: IN **Fax No.:** 765-538-3423
Postal Code: 47909 **E-mail:** jayyoung@purdue.edu
Country: USA United States

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: Asgrow AG2931 **Description:** RR
BBCH Scale: BSOY **Planting Date:** May-16-2013
Planting Method: SEEDED seeded **Rate, Unit:** 130000 S/A
Depth, Unit: 1 IN
Row Spacing, Unit: 15 IN

Soil Moisture: DRY dry **Soil Temperature, Unit:** 78.2 F
Emergence Date: May-22-2013

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

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:** CONTIL conventional-till
Replications: 4 **Study Design:** RACOB� Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

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Soil Description

Description Name: TPAC -Field 4A
% OM: 3.1 **Texture:** SIL silt loam
pH: 6 **Soil Name:** Toronto-Millbrook
CEC: 11.1

Application Description

	A	B
Application Date:	May-16-2013	Jun-11-2013
Time of Day:	PM	7:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	ATPLAN	EAPOCR
Application Placement:	SOIL	FOLIAR
Applied By:	MW	MW
Air Temperature, Unit:	80.6 F	71 F
% Relative Humidity:	43.2	71
Wind Velocity, Unit:	1.9 MPH	1.6 MPH
Wind Direction:	N	SW
Dew Presence (Y/N):	N no	Y yes
Soil Temperature, Unit:	78.2 F	70 F
Soil Moisture:	DRY	SLIWET
% Cloud Cover:	40	10

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		V2

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Height, Unit:		2 IN
Height Minimum, Maximum:		1 2
Density, Unit:		10 FT2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W
Height, Unit:		4 IN
Height Minimum, Maximum:		1 4
Density, Unit:		3 FT2
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W
Height, Unit:		2 IN
Density, Unit:		1 YD2

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Application Equipment

	A	B
Appl. Equipment:	CO2 FORD	CO2 FORD
Equipment Type:	SPTRMO	SPTRMO
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	XR 100 02	XR 100 02
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:	6	6
Boom Length, Unit:	10 FT	10 FT
Boom Height, Unit:	20 IN	20 IN
Ground Speed, Unit:	2.1 MPH	2.1 MPH
Carrier:	MEIGS	MEIGS
Spray Volume, Unit:	20 gal/ac	20 gal/ac
Mix Size, Unit:	2.5 liters	2.5 liters
Propellant:	CO2	CO2

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DPX R5W13 Applied Preemergence to Soybeans

Trial ID: 13S-THP-CTS-50 Protocol ID: 13S-THP-CTS-50
 Location: Throckmorton Study Director:
 Project ID: USA-13-114 Investigator: Dr. Bill Johnson
 Sponsor Contact: DuPont - Helen Flanigan

Reps: 4 Plots: 10 by 30 feet
 Spray vol: 20 gal/ac Mix size: 2.5 liters (min 2.0856)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Appl Code	Appl Description	Amt to Measure	Product	Rep 1	Rep 2	Rep 3	Rep 4
1	Untreated Check												101	504	801	803
2	Classic	25 %	AW/W	DF	0.32 oz ai/a	1.28 oz wt/a		ATPLAN	A		1.198 g/mx		102	303	601	902
	Harmony SG (50 SG)	50 %		SG	0.1 oz ai/a	0.2 oz wt/a		ATPLAN	A		0.1872 g/mx					
	Valor SX (51 WG)	51 %		WG	1.02 oz ai/a	2 oz wt/a		ATPLAN	A		1.872 g/mx					
3	Classic	25 %	AW/W	DF	0.32 oz ai/a	1.28 oz wt/a		ATPLAN	A		1.198 g/mx		103	304	704	1001
	Harmony SG (50 SG)	50 %		SG	0.1 oz ai/a	0.2 oz wt/a		ATPLAN	A		0.1872 g/mx					
	Valor SX (51 WG)	51 %		WG	1.02 oz ai/a	2 oz wt/a		ATPLAN	A		1.872 g/mx					
	Abundit (3 SL)	3 LBAE/GAL		SL	0.75 lb ae/a	32 fl oz/a		EAPOCR	B	28 DAP	31.25 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	0.42 lb ai/a	2.47 qt/100 gal		EAPOCR	B	28 DAP	15.44 ml/mx					
4	Canopy	75 %	AW/W	DF	3 oz ai/a	4 oz wt/a		ATPLAN	A		3.745 g/mx		104	404	702	901
	Cinch	7 LBA/GAL		EC	14 oz ai/a	1 pt/a		ATPLAN	A		15.62 ml/mx					
5	Canopy	75 %	AW/W	DF	3 oz ai/a	4 oz wt/a		ATPLAN	A		3.745 g/mx		201	503	604	1003
	Cinch	7 LBA/GAL		EC	14 oz ai/a	1 pt/a		ATPLAN	A		15.62 ml/mx					
	Abundit (3 SL)	3 LBAE/GAL		SL	0.75 lb ae/a	32 fl oz/a		EAPOCR	B	28 DAP	31.25 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	0.42 lb ai/a	2.47 qt/100 gal		EAPOCR	B	28 DAP	15.44 ml/mx					
6	Classic	25 %	AW/W	DF	0.3125 oz ai/a	1.25 oz wt/a		ATPLAN	A		1.17 g/mx		202	403	703	1004
	Sencor 75DF	75 %	AW/W	DF	3.56 oz ai/a	4.75 oz wt/a		ATPLAN	A		4.444 g/mx					
	Valor SX (51 WG)	51 %		WG	1.02 oz ai/a	2 oz wt/a		ATPLAN	A		1.872 g/mx					
7	Classic	25 %	AW/W	DF	0.3125 oz ai/a	1.25 oz wt/a		ATPLAN	A		1.17 g/mx		203	501	802	1002
	Sencor 75DF	75 %	AW/W	DF	3.56 oz ai/a	4.75 oz wt/a		ATPLAN	A		4.444 g/mx					
	Valor SX (51 WG)	51 %		WG	1.02 oz ai/a	2 oz wt/a		ATPLAN	A		1.872 g/mx					
	Abundit (3 SL)	3 LBAE/GAL		SL	0.75 lb ae/a	32 fl oz/a		EAPOCR	B	28 DAP	31.25 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	0.42 lb ai/a	2.47 qt/100 gal		EAPOCR	B	28 DAP	15.44 ml/mx					
8	Boundary (6.5 EC)	6.6 LBA/GAL		EC	1.24 lb ai/a	1.5 pt/a		ATPLAN	A		23.48 ml/mx		204	502	603	903
9	Boundary (6.5 EC)	6.6 LBA/GAL		EC	1.24 lb ai/a	1.5 pt/a		ATPLAN	A		23.48 ml/mx		301	402	701	804
	Abundit (3 SL)	3 LBAE/GAL		SL	0.75 lb ae/a	32 fl oz/a		EAPOCR	B	28 DAP	31.25 ml/mx					
	AMS - Liquid	3.4 LB/GAL		SL	0.42 lb ai/a	2.47 qt/100 gal		EAPOCR	B	28 DAP	15.44 ml/mx					
10	Abundit (3 SL)	3 LBAE/GAL		SL	0.75 lb ae/a	32 fl oz/a		EAPOCR	B	28 DAP	31.25 ml/mx		302	401	602	904
	AMS - Liquid	3.4 LB/GAL		SL	0.42 lb ai/a	2.47 qt/100 gal		EAPOCR	B	28 DAP	15.44 ml/mx					

Sort Order: Treatment

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Pest Type	W Weed	W Weed			W Weed	W Weed	W Weed				
Pest Code	SETFA	AMBTR			SETFA	AMBTR	CHEAL				
Pest Scientific Name	Setaria faberi	Ambrosia trifi>			Setaria faberi	Ambrosia trifi>	Chenopodium al>				
Pest Name	Giant foxtail	Giant ragweed			Giant foxtail	Giant ragweed	Common lambsqu>				
Crop Code			GLXMA	GLXMA							
BBCB Scale			BSOY	BSOY							
Crop Scientific Name			Glycine max	Glycine max							
Crop Name			Soybean	Soybean							
Rating Date	May-30-2013	May-30-2013	May-30-2013	May-30-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013				
Rating Type	CONTRO	CONTRO	PHYLMA	PHYCHL	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1	1	1				
Crop Stage Majority	V1	V1	V1	V1	R1	R1	R1				
Pest Stage Majority	1 IN	2 IN			14 IN	20 IN	5 IN				
Pest Density, Unit	10 FT2	3 YD2			10 FT2	3 YD2	3 YD2				
Assessed By	MW	MW	MW	MW	MW	MW	MW				
Days After First/Last Applic.	14 14	14 14	14 14	14 14	40 14	40 14	40 14				
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1	40 DP-1	40 DP-1	40 DP-1				
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1	34 DE-1	34 DE-1	34 DE-1				
Trt Treatment	Rate	Appl									
No. Name	Rate	Unit	Code	Plot	1	2	3	4	5	6	7
1 Untreated Check				101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				504	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				801	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				803	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Classic	0.32 oz ai/a	A		102	0.0	90.0	5.0	0.0	85.0	85.0	99.0
Harmony SG (50 SG)	0.1 oz ai/a	A		303	0.0	60.0	5.0	0.0	70.0	95.0	99.0
Valor SX (51 WG)	1.02 oz ai/a	A		601	95.0	60.0	0.0	0.0	90.0	65.0	99.0
				902	90.0	80.0	7.0	0.0	85.0	65.0	99.0
				Mean =	46.3	72.5	4.3	0.0	82.5	77.5	99.0
3 Classic	0.32 oz ai/a	A		103	0.0	0.0	7.0	0.0	93.0	95.0	99.0
Harmony SG (50 SG)	0.1 oz ai/a	A		304	0.0	0.0	3.0	0.0	93.0	93.0	99.0
Valor SX (51 WG)	1.02 oz ai/a	A		704	0.0	0.0	5.0	0.0	87.0	93.0	99.0
Abundit (3 SL)	0.75 lb ae/a	B		1001	97.0	85.0	3.0	0.0	93.0	87.0	99.0
AMS - Liquid	0.42 lb ai/a	B									
				Mean =	24.3	21.3	4.5	0.0	91.5	92.0	99.0
4 Canopy	3 oz ai/a	A		104	0.0	0.0	0.0	0.0	90.0	50.0	99.0
Cinch	14 oz ai/a	A		404	0.0	0.0	0.0	0.0	99.0	40.0	99.0
				702	85.0	75.0	0.0	0.0	90.0	65.0	99.0
				901	60.0	70.0	0.0	0.0	70.0	50.0	99.0
				Mean =	36.3	36.3	0.0	0.0	87.3	51.3	99.0
5 Canopy	3 oz ai/a	A		201	90.0	80.0	0.0	0.0	99.0	90.0	99.0
Cinch	14 oz ai/a	A		503	70.0	70.0	0.0	0.0	99.0	90.0	99.0
Abundit (3 SL)	0.75 lb ae/a	B		604	60.0	70.0	0.0	0.0	99.0	87.0	99.0
AMS - Liquid	0.42 lb ai/a	B		1003	90.0	90.0	0.0	0.0	99.0	93.0	99.0
				Mean =	77.5	77.5	0.0	0.0	99.0	90.0	99.0

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Pest Type	W Weed	W Weed			W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR			SETFA	AMBTR	CHEAL
Pest Scientific Name	Setaria faberi	Ambrosia trifi>			Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Giant foxtail	Giant ragweed			Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code			GLXMA	GLXMA			
BBCH Scale			BSOY	BSOY			
Crop Scientific Name			Glycine max	Glycine max			
Crop Name			Soybean	Soybean			
Rating Date	May-30-2013	May-30-2013	May-30-2013	May-30-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013
Rating Type	CONTRO	CONTRO	PHYLMA	PHYCHL	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1	1
Crop Stage Majority	V1	V1	V1	V1	R1	R1	R1
Pest Stage Majority	1 IN	2 IN			14 IN	20 IN	5 IN
Pest Density, Unit	10 FT2	3 YD2			10 FT2	3 YD2	3 YD2
Assessed By	MW	MW	MW	MW	MW	MW	MW
Days After First/Last Applic.	14 14	14 14	14 14	14 14	40 14	40 14	40 14
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1	40 DP-1	40 DP-1	40 DP-1
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1	34 DE-1	34 DE-1	34 DE-1
Trt Treatment	Rate	Appl					
No. Name	Rate	Unit Code Plot	1	2	3	4	5
6 Classic	0.3125 oz ai/a	A 202	95.0	50.0	5.0	3.0	93.0
Sencor 75DF	3.56 oz ai/a	A 403	95.0	80.0	5.0	3.0	95.0
Valor SX (51 WG)	1.02 oz ai/a	A 703	80.0	80.0	3.0	3.0	75.0
		1004	80.0	60.0	3.0	3.0	60.0
		Mean =	87.5	67.5	4.0	3.0	80.8
7 Classic	0.3125 oz ai/a	A 203	80.0	90.0	3.0	3.0	95.0
Sencor 75DF	3.56 oz ai/a	A 501	90.0	80.0	5.0	5.0	93.0
Valor SX (51 WG)	1.02 oz ai/a	A 802	90.0	70.0	3.0	0.0	95.0
Abundit (3 SL)	0.75 lb ae/a	B 1002	95.0	90.0	5.0	0.0	95.0
AMS - Liquid	0.42 lb ai/a	B					
		Mean =	88.8	82.5	4.0	2.0	94.5
8 Boundary (6.5 EC)	1.24 lb ai/a	A 204	60.0	0.0	0.0	0.0	90.0
		502	95.0	20.0	0.0	0.0	95.0
		603	60.0	90.0	0.0	0.0	90.0
		903	50.0	0.0	0.0	0.0	99.0
		Mean =	66.3	27.5	0.0	0.0	93.5
9 Boundary (6.5 EC)	1.24 lb ai/a	A 301	99.0	30.0	0.0	0.0	93.0
Abundit (3 SL)	0.75 lb ae/a	B 402	95.0	70.0	0.0	0.0	99.0
AMS - Liquid	0.42 lb ai/a	B 701	95.0	70.0	0.0	0.0	99.0
		804	60.0	30.0	0.0	0.0	97.0
		Mean =	87.3	50.0	0.0	0.0	97.0
10 Abundit (3 SL)	0.75 lb ae/a	B 302	0.0	0.0	0.0	0.0	97.0
AMS - Liquid	0.42 lb ai/a	B 401	80.0	50.0	0.0	0.0	97.0
		602	20.0	70.0	0.0	0.0	95.0
		904	0.0	0.0	0.0	0.0	93.0
		Mean =	25.0	30.0	0.0	0.0	95.5

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Pest Type					W Weed	W Weed	W Weed	
Pest Code					SETFA	AMBTR	CHEAL	
Pest Scientific Name					Setaria faberi	Ambrosia trifi>	Chenopodium al>	
Pest Name					Giant foxtail	Giant ragweed	Common lambsqu>	
Crop Code								
BBCH Scale								
Crop Scientific Name								
Crop Name								
Rating Date					Jul-10-2013	Jul-10-2013	Jul-10-2013	
Rating Type					CONTRO	CONTRO	CONTRO	
Rating Unit					%	%	%	
Number of Subsamples					1	1	1	
Crop Stage Majority					R1	R1	R1	
Pest Stage Majority					30 IN	47 IN	26 IN	
Pest Density, Unit					10 FT2	7 YD2	2 YD2	
Assessed By					MW	MW	MW	
Days After First/Last Applic.					55 29	55 29	55 29	
Plant-Eval Interval					55 DP-1	55 DP-1	55 DP-1	
Days After Emergence					49 DE-1	49 DE-1	49 DE-1	
Trt	Treatment	Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	8	9	10
1	Untreated Check				101	0.0	0.0	0.0
					504	0.0	0.0	0.0
					801	0.0	0.0	0.0
					803	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0
2	Classic	0.32 oz ai/a	A		102	87.0	83.0	99.0
	Harmony SG (50 SG)	0.1 oz ai/a	A		303	87.0	70.0	99.0
	Valor SX (51 WG)	1.02 oz ai/a	A		601	87.0	20.0	99.0
					902	70.0	50.0	99.0
					Mean =	82.8	55.8	99.0
3	Classic	0.32 oz ai/a	A		103	97.0	95.0	99.0
	Harmony SG (50 SG)	0.1 oz ai/a	A		304	97.0	93.0	99.0
	Valor SX (51 WG)	1.02 oz ai/a	A		704	99.0	90.0	99.0
	Abundit (3 SL)	0.75 lb ae/a	B		1001	99.0	85.0	99.0
	AMS - Liquid	0.42 lb ai/a	B					
					Mean =	98.0	90.8	99.0
4	Canopy	3 oz ai/a	A		104	90.0	0.0	99.0
	Cinch	14 oz ai/a	A		404	99.0	0.0	99.0
					702	95.0	55.0	99.0
					901	70.0	90.0	99.0
					Mean =	88.5	36.3	99.0
5	Canopy	3 oz ai/a	A		201	99.0	87.0	99.0
	Cinch	14 oz ai/a	A		503	99.0	87.0	99.0
	Abundit (3 SL)	0.75 lb ae/a	B		604	99.0	75.0	99.0
	AMS - Liquid	0.42 lb ai/a	B		1003	99.0	90.0	99.0
					Mean =	99.0	84.8	99.0

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Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code			
BBCH Scale			
Crop Scientific Name			
Crop Name			
Rating Date	Jul-10-2013	Jul-10-2013	Jul-10-2013
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Crop Stage Majority	R1	R1	R1
Pest Stage Majority	30 IN	47 IN	26 IN
Pest Density, Unit	10 FT2	7 YD2	2 YD2
Assessed By	MW	MW	MW
Days After First/Last Applic.	55 29	55 29	55 29
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	49 DE-1	49 DE-1	49 DE-1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Plot	8	9	10
6	Classic	0.3125 oz ai/a	A	202		95.0	60.0	99.0
	Sencor 75DF	3.56 oz ai/a	A	403		93.0	30.0	99.0
	Valor SX (51 WG)	1.02 oz ai/a	A	703		40.0	50.0	99.0
				1004		50.0	30.0	99.0
	Mean =					69.5	42.5	99.0
7	Classic	0.3125 oz ai/a	A	203		97.0	95.0	99.0
	Sencor 75DF	3.56 oz ai/a	A	501		99.0	90.0	99.0
	Valor SX (51 WG)	1.02 oz ai/a	A	802		95.0	93.0	99.0
	Abundit (3 SL)	0.75 lb ae/a	B	1002		99.0	87.0	99.0
	AMS - Liquid	0.42 lb ai/a	B					
Mean =					97.5	91.3	99.0	
8	Boundary (6.5 EC)	1.24 lb ai/a	A	204		90.0	0.0	99.0
				502		95.0	20.0	99.0
				603		85.0	50.0	99.0
				903		50.0	0.0	99.0
	Mean =					80.0	17.5	99.0
9	Boundary (6.5 EC)	1.24 lb ai/a	A	301		95.0	65.0	99.0
	Abundit (3 SL)	0.75 lb ae/a	B	402		99.0	85.0	99.0
	AMS - Liquid	0.42 lb ai/a	B	701		99.0	87.0	99.0
				804		95.0	80.0	99.0
	Mean =					97.0	79.3	99.0
10	Abundit (3 SL)	0.75 lb ae/a	B	302		99.0	87.0	99.0
	AMS - Liquid	0.42 lb ai/a	B	401		99.0	85.0	99.0
				602		99.0	87.0	99.0
				904		95.0	77.0	99.0
	Mean =					98.0	84.0	99.0

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DPX R5W13 Applied Preemergence to Soybeans

Trial ID: 13S-THP-CTS-50 Protocol ID: 13S-THP-CTS-50
Location: Throckmorton Study Director:
Project ID: USA-13-114 Investigator: Dr. Bill Johnson
Sponsor Contact: DuPont - Helen Flanigan

Pest Type

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

Pest Code

SETFA, Setaria faberi, = US
AMBTR, Ambrosia trifida, = US
CHEAL, Chenopodium album, = US

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Type

CONTRO = control / burndown or knockdown
PHYLMA = phytotoxicity - leaf malformation
PHYCHL = phytotoxicity - chlorosis

Rating Unit

% = percent

FT2 = per square foot

YD2 = per square yard

Plant-Eval Interval

14 DP-1 = 1 GLXMA May-16-2013
40 DP-1 = 1 GLXMA May-16-2013
55 DP-1 = 1 GLXMA May-16-2013

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 Sponsor Contact: DuPont - Helen Flanigan

Pest Type	W Weed	W Weed			W Weed	W Weed	W Weed			
Pest Code	SETFA	AMBTR			SETFA	AMBTR	CHEAL			
Pest Scientific Name	Setaria faberi	Ambrosia trifi>			Setaria faberi	Ambrosia trifi>	Chenopodium al>			
Pest Name	Giant foxtail	Giant ragweed			Giant foxtail	Giant ragweed	Common lambsqu>			
Crop Code			GLXMA	GLXMA						
BBCB Scale			BSOY	BSOY						
Crop Scientific Name			Glycine max	Glycine max						
Crop Name			Soybean	Soybean						
Rating Date	May-30-2013	May-30-2013	May-30-2013	May-30-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013			
Rating Type	CONTRO	CONTRO	PHYLMA	PHYCHL	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Crop Stage Majority	V1	V1	V1	V1	R1	R1	R1			
Pest Stage Majority	1 IN	2 IN			14 IN	20 IN	5 IN			
Pest Density, Unit	10 FT2	3 YD2			10 FT2	3 YD2	3 YD2			
Assessed By	MW	MW	MW	MW	MW	MW	MW			
Days After First/Last Applic.	14 14	14 14	14 14	14 14	40 14	40 14	40 14			
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1	40 DP-1	40 DP-1	40 DP-1			
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1	34 DE-1	34 DE-1	34 DE-1			
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	1	2	3	4	5	6	7
1 Untreated Check				0.0 b	0.0 b	0.0 b	0.0 b	0.0 c	0.0 c	0.0 c
2 Classic	0.32 oz ai/a	A		46.3 ab	72.5 a	4.3 a	0.0 b	82.5 ab	77.5 a	99.0 a
Harmony SG (50 SG)	0.1 oz ai/a	A								
Valor SX (51 WG)	1.02 oz ai/a	A								
3 Classic	0.32 oz ai/a	A		24.3 ab	21.3 ab	4.5 a	0.0 b	91.5 ab	92.0 a	99.0 a
Harmony SG (50 SG)	0.1 oz ai/a	A								
Valor SX (51 WG)	1.02 oz ai/a	A								
Abundit (3 SL)	0.75 lb ae/a	B								
AMS - Liquid	0.42 lb ai/a	B								
4 Canopy	3 oz ai/a	A		36.3 ab	36.3 ab	0.0 b	0.0 b	87.3 ab	51.3 b	99.0 a
Cinch	14 oz ai/a	A								
5 Canopy	3 oz ai/a	A		77.5 a	77.5 a	0.0 b	0.0 b	99.0 a	90.0 a	99.0 a
Cinch	14 oz ai/a	A								
Abundit (3 SL)	0.75 lb ae/a	B								
AMS - Liquid	0.42 lb ai/a	B								
6 Classic	0.3125 oz ai/a	A		87.5 a	67.5 a	4.0 a	3.0 a	80.8 b	68.8 a	99.0 a
Sencor 75DF	3.56 oz ai/a	A								
Valor SX (51 WG)	1.02 oz ai/a	A								
7 Classic	0.3125 oz ai/a	A		88.8 a	82.5 a	4.0 a	2.0 a	94.5 ab	89.3 a	99.0 a
Sencor 75DF	3.56 oz ai/a	A								
Valor SX (51 WG)	1.02 oz ai/a	A								
Abundit (3 SL)	0.75 lb ae/a	B								
AMS - Liquid	0.42 lb ai/a	B								
8 Boundary (6.5 EC)	1.24 lb ai/a	A		66.3 ab	27.5 ab	0.0 b	0.0 b	93.5 ab	48.8 b	87.0 b
9 Boundary (6.5 EC)	1.24 lb ai/a	A		87.3 a	50.0 ab	0.0 b	0.0 b	97.0 ab	87.0 a	99.0 a
Abundit (3 SL)	0.75 lb ae/a	B								
AMS - Liquid	0.42 lb ai/a	B								

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Type	W Weed	W Weed			W Weed	W Weed	W Weed		
Pest Code	SETFA	AMBTR			SETFA	AMBTR	CHEAL		
Pest Scientific Name	Setaria faberi	Ambrosia trifi>			Setaria faberi	Ambrosia trifi>	Chenopodium al>		
Pest Name	Giant foxtail	Giant ragweed			Giant foxtail	Giant ragweed	Common lambsqu>		
Crop Code			GLXMA	GLXMA					
BBCH Scale			BSOY	BSOY					
Crop Scientific Name			Glycine max	Glycine max					
Crop Name			Soybean	Soybean					
Rating Date	May-30-2013	May-30-2013	May-30-2013	May-30-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013		
Rating Type	CONTRO	CONTRO	PHYLMA	PHYCHL	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1	1		
Crop Stage Majority	V1	V1	V1	V1	R1	R1	R1		
Pest Stage Majority	1 IN	2 IN			14 IN	20 IN	5 IN		
Pest Density, Unit	10 FT2	3 YD2			10 FT2	3 YD2	3 YD2		
Assessed By	MW	MW	MW	MW	MW	MW	MW		
Days After First/Last Applic.	14 14	14 14	14 14	14 14	40 14	40 14	40 14		
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1	40 DP-1	40 DP-1	40 DP-1		
Days After Emergence	8 DE-1	8 DE-1	8 DE-1	8 DE-1	34 DE-1	34 DE-1	34 DE-1		
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit Code	1	2	3	4	5	6	7
10 Abundit (3 SL)	0.75 lb ae/a B		25.0 ab	30.0 ab	0.0 b	0.0 b	95.5 ab	86.3 a	99.0 a
AMS - Liquid	0.42 lb ai/a B								
LSD (P=.05)			45.41	39.67	1.79	1.12	10.70	16.25	6.63
Standard Deviation			31.29	27.34	1.23	0.77	7.38	11.20	4.57
CV			58.06	58.79	73.64	154.92	8.98	16.21	5.2
Bartlett's X2			19.146	14.02	3.717	0.0	28.174	32.669	0.0
P(Bartlett's X2)			0.014*	0.081	0.294	.	0.001*	0.001*	.
Replicate F			0.763	1.465	1.024	1.000	0.893	1.858	1.000
Replicate Prob(F)			0.5245	0.2461	0.3974	0.4079	0.4575	0.1605	0.4079
Treatment F			4.155	4.118	12.345	7.778	63.955	26.795	185.578
Treatment Prob(F)			0.0019	0.0020	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Chenopodium ai>
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code			
BBCB Scale			
Crop Scientific Name			
Crop Name			
Rating Date	Jul-10-2013	Jul-10-2013	Jul-10-2013
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Crop Stage Majority	R1	R1	R1
Pest Stage Majority	30 IN	47 IN	26 IN
Pest Density, Unit	10 FT2	7 YD2	2 YD2
Assessed By	MW	MW	MW
Days After First/Last Applic.	55 29	55 29	55 29
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	49 DE-1	49 DE-1	49 DE-1
Trt Treatment	Rate	Appl	
No. Name	Rate	Unit	Code
8			
9			
10			
1 Untreated Check	0.0 c		
2 Classic	0.32 oz ai/a A		
Harmony SG (50 SG)	0.1 oz ai/a A		
Valor SX (51 WG)	1.02 oz ai/a A		
3 Classic	0.32 oz ai/a A		
Harmony SG (50 SG)	0.1 oz ai/a A		
Valor SX (51 WG)	1.02 oz ai/a A		
Abundit (3 SL)	0.75 lb ae/a B		
AMS - Liquid	0.42 lb ai/a B		
4 Canopy	3 oz ai/a A		
Cinch	14 oz ai/a A		
5 Canopy	3 oz ai/a A		
Cinch	14 oz ai/a A		
Abundit (3 SL)	0.75 lb ae/a B		
AMS - Liquid	0.42 lb ai/a B		
6 Classic	0.3125 oz ai/a A		
Sencor 75DF	3.56 oz ai/a A		
Valor SX (51 WG)	1.02 oz ai/a A		
7 Classic	0.3125 oz ai/a A		
Sencor 75DF	3.56 oz ai/a A		
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Abundit (3 SL)	0.75 lb ae/a B		
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Crop Code			
BBCH Scale			
Crop Scientific Name			
Crop Name			
Rating Date	Jul-10-2013	Jul-10-2013	Jul-10-2013
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Crop Stage Majority	R1	R1	R1
Pest Stage Majority	30 IN	47 IN	26 IN
Pest Density, Unit	10 FT2	7 YD2	2 YD2
Assessed By	MW	MW	MW
Days After First/Last Applic.	55 29	55 29	55 29
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	49 DE-1	49 DE-1	49 DE-1
Trt Treatment	Rate	Appl	
No. Name	Rate	Unit	Code
	8	9	10
10 Abundit (3 SL)	0.75 lb ae/a B		
AMS - Liquid	0.42 lb ai/a B		
LSD (P=.05)	15.99	29.21	0.00
Standard Deviation	11.02	20.13	0.00
CV	13.6	34.59	0.0
Bartlett's X2	41.441	30.714	0.0
P(Bartlett's X2)	0.001*	0.001*	.
Replicate F	3.239	0.103	0.000
Replicate Prob(F)	0.0376	0.9573	1.0000
Treatment F	29.946	10.687	0.000
Treatment Prob(F)	0.0001	0.0001	1.0000

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