

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30 Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 04-21-08

Objectives: Evaluate the efficacy of DuPont residual herbicides applied preplant to soybean.

Crop 1: GLXMA Soybean Variety: AG 4404 RR/STS
 Planting Method: SEEDED Planting Date: 06-15-08
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W	Code: CAPBP	Capsella bursa-pastoris (L.) Med	shepherdspurse
Pest 2 Type: W	Code: LAMAM	Lamium amplexicaule L.	henbit
Pest 3 Type: W	Code: STEME	Stellaria media (L.) Vill.	chickweed, common
Pest 4 Type: W	Code: RANAB	Ranunculus abortivus L.	buttercup, smallflower
Pest 5 Type: W	Code: AMBTR	Ambrosia trifida L.	ragweed, giant
Pest 6 Type: W	Code: CYPES	Cyperus esculentus L.	nutsedge, yellow
Pest 7 Type: W	Code: GGGAN		grasses, annual
Pest 8 Type: W	Code: AMBEL	Ambrosia artemisiifolia L.	ragweed, common
Pest 9 Type: W	Code: AMATA	Amaranthus rudis Sauer	waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 28 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2007

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 150 LB/A

% OM: 1.6	Texture: SILT LOAM
pH: 6.1	Soil Name: PIERRON
CEC: 8	Fert. Level: P1: 91 LB/A, K: 410 LB/A

	Application Description	
	A	B
Application Date:	04-21-08	06-25-08
Time of Day:	9:00	12:00
Application Method:	SPRAY	SPRAY
Application Timing:	30EPP	2-4"W
Application Placement:	BROFOL	BROFOL
Applied By:	RFK	TM
Air Temperature, Unit:	60 F	86 F
% Relative Humidity:	92	80
Wind Velocity, Unit:	5 MPH	3 MPH
Soil Temperature, Unit:	53 F	84 F
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:		40
	04-21-08	06-25-08
Crop stage at application:	NA	VC
Height Min, Max (inch):	1	3

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30 Location: Belleville Res. Center

Pest Stage At Each Application

Application Date:	04-21-08	06-25-08		
Weed Code:	CAPBP	CAPBP		
Stage Majority (leaves):	10+	NA		
Height Majority:	8	IN		
Height Min, Max:	6	10		
Density, Unit:	3	FT2		
Weed Code:	LAMAM	LAMAM		
Stage Majority (leaves):	10+	NA		
Height Majority:	5	IN		
Height Min, Max:	3	6		
Density, Unit:	2	FT2		
Weed Code:	STEME	STEME		
Stage Majority (leaves):	10+	NA		
Height Majority:	2	IN		
Height Min, Max:	1	3		
Density, Unit:	2	FT2		
Weed Code:	RANAB	RANAB		
Stage Majority (leaves):	10+	NA		
Height Majority:	5	IN		
Height Min, Max:	4	6		
Density, Unit:	1	FT2		
Weed Code:	AMBTR	AMBTR		
Stage Majority (leaves):	4	8		
Stage Min, Max:	4	5	2	14
Height Majority:	2	IN	8	IN
Height Min, Max:	1	3	2	12
Density, Unit:	1	FT2	1	FT2
Weed Code:	CYPES	CYPES		
Stage Majority (leaves):	NA	7		
Stage Min, Max:		4	8	
Height Majority:		10	IN	
Height Min, Max:		6	12	
Density, Unit:		1	FT2	
Weed Code:	GGGAN	GGGAN		
Stage Majority (leaves):	NA	6		
Stage Min, Max:		4	10	
Height Majority:		8	IN	
Height Min, Max:		6	10	
Density, Unit:		2	FT2	
Weed Code:	AMBEL	AMBEL		
Stage Majority (leaves):	NA	6		
Stage Min, Max:		2	12	
Height Majority:		8	IN	
Height Min, Max:		2	14	
Density, Unit:		1	FT2	
Weed Code:	AMATA	AMATA		
Stage Majority (leaves):	NA	4		
Stage Min, Max:		2	6	
Height Majority:		2	IN	
Height Min, Max:		1	3	
Density, Unit:		1	FT2	

Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30 Location: Belleville Res. Center

										CAPBP	CAPBP	CAPBP	LAMAM	LAMAM	LAMAM		
										GLXMA	GLXMA	04-28-08	05-05-08	05-19-08	04-28-08	05-05-08	05-19-08
										Moisture	Yield	Control	Control	Control	Control	Control	Control
										Percent	bu/A	Percent	Percent	Percent	Percent	Percent	Percent
												7 DA-A	14 DA-A	28 DA-A	7 DA-A	14 DA-A	28 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
1	ENLITE	47.86	WG			2.8	oz/a	30EPP	A	11.9 a	32 ab	50 a	99 a	99 a	50 a	99 a	99 a
1	CLASSIC	25	WG	0.005	lb ai/a			30EPP	A								
1	HARMONY SG	50	SG	0.0156	lb ai/a			30EPP	A								
1	VALOR	51	WG	0.0625	lb ai/a			30EPP	A								
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A								
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A								
1	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A								
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A								
1	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B								
1	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B								
1	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B								
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B								
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B								
2	ENVIVE	41.3	WG			3.5	oz/a	30EPP	A	11.8 a	32 ab	50 a	99 a	99 a	50 a	99 a	99 a
2	CLASSIC	25	WG	0.02	lb ai/a			30EPP	A								
2	HARMONY SG	50	SG	0.00625	lb ai/a			30EPP	A								
2	VALOR	51	WG	0.0625	lb ai/a			30EPP	A								
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A								
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A								
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A								
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A								
2	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B								
2	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B								
2	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B								
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B								
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B								
3	CANOPY EX	29.5	WG			2	oz/a	30EPP	A	11.8 a	37 a	50 a	99 a	99 a	50 a	99 a	99 a
3	CLASSIC	25	WG	0.0283	lb ai/a			30EPP	A								
3	EXPRESS	50	SG	0.00848	lb ai/a			30EPP	A								
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A								
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A								
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A								
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A								
3	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B								
3	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B								
3	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B								
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B								
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B								
4	CANOPY	75	WG	0.188	lb ai/a	4	oz/a	30EPP	A	11.8 a	30 ab	50 a	99 a	99 a	50 a	99 a	99 a
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A								
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A								
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A								
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A								
4	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B								
4	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B								
4	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B								
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B								
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B								
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A	11.9 a	26 b	50 a	99 a	99 a	50 a	99 a	99 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A								
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A								
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B								
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B								
6	NONTREATED									11.9 a	10 c	0 b	0 b	0 b	0 b	0 b	0 b
LSD (P=.05)										0.25	10.9	0.0	0.0	0.0	0.0	0.0	0.0
Replicate F										0.748	0.572	0.000	0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)										0.4981	0.5817	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F										0.762	7.429	0.000	0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)										0.5972	0.0038	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

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

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30 Location: Belleville Res. Center

						STEME	STEME	STEME	RANAB	RANAB	RANAB
						04-28-08	05-05-08	05-19-08	04-28-08	05-05-08	05-19-08
						Control	Control	Control	Control	Control	Control
						Percent	Percent	Percent	Percent	Percent	Percent
						7 DA-A	14 DA-A	28 DA-A	7 DA-A	14 DA-A	28 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	ENLITE	47.86	WG			2.8	oz/a	30EPP	A	50 a	99 a
1	CLASSIC	25	WG	0.005	lb ai/a			30EPP	A		
1	HARMONY SG	50	SG	0.0156	lb ai/a			30EPP	A		
1	VALOR	51	WG	0.0625	lb ai/a			30EPP	A		
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A		
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A		
1	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A		
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A		
1	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B		
1	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B		
1	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B		
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B		
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B		
2	ENVIVE	41.3	WG			3.5	oz/a	30EPP	A	50 a	99 a
2	CLASSIC	25	WG	0.02	lb ai/a			30EPP	A		
2	HARMONY SG	50	SG	0.00625	lb ai/a			30EPP	A		
2	VALOR	51	WG	0.0625	lb ai/a			30EPP	A		
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A		
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A		
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A		
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A		
2	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B		
2	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B		
2	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B		
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B		
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B		
3	CANOPY EX	29.5	WG			2	oz/a	30EPP	A	50 a	99 a
3	CLASSIC	25	WG	0.0283	lb ai/a			30EPP	A		
3	EXPRESS	50	SG	0.00848	lb ai/a			30EPP	A		
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A		
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A		
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A		
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A		
3	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B		
3	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B		
3	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B		
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B		
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B		
4	CANOPY	75	WG	0.188	lb ai/a	4	oz/a	30EPP	A	50 a	99 a
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A		
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A		
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A		
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A		
4	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B		
4	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B		
4	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B		
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B		
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B		
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A	50 a	99 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A		
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A		
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B		
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B		
6	NONTREATED									0 b	0 b
LSD (P=.05)										0.0	0.0
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

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

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30 Location: Belleville Res. Center

		AMBTR													
		AMBTR	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR								
		04-28-08	05-05-08	05-19-08	07-02-08	07-09-08	07-23-08								
		Control	Control	Control	Control	Control	Control								
		Percent	Percent	Percent	Percent	Percent	Percent								
		7 DA-A	14 DA-A	28 DA-A	7 DA-B	14 DA-B	28 DA-B								
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ENLITE	47.86	WG			2.8	oz/a	30EPP	A	50 a	99 a	99 a	99 a	98 a	96 a
1	CLASSIC	25	WG	0.005	lb ai/a			30EPP	A						
1	HARMONY SG	50	SG	0.0156	lb ai/a			30EPP	A						
1	VALOR	51	WG	0.0625	lb ai/a			30EPP	A						
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A						
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
1	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A						
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
1	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B						
1	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B						
1	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B						
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
2	ENVIVE	41.3	WG			3.5	oz/a	30EPP	A	50 a	99 a	99 a	98 a	97 a	95 a
2	CLASSIC	25	WG	0.02	lb ai/a			30EPP	A						
2	HARMONY SG	50	SG	0.00625	lb ai/a			30EPP	A						
2	VALOR	51	WG	0.0625	lb ai/a			30EPP	A						
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A						
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A						
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
2	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B						
2	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B						
2	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B						
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
3	CANOPY EX	29.5	WG			2	oz/a	30EPP	A	50 a	99 a	99 a	99 a	98 a	96 a
3	CLASSIC	25	WG	0.0283	lb ai/a			30EPP	A						
3	EXPRESS	50	SG	0.00848	lb ai/a			30EPP	A						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A						
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A						
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
3	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B						
3	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B						
3	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
4	CANOPY	75	WG	0.188	lb ai/a	4	oz/a	30EPP	A	50 a	99 a	99 a	99 a	99 a	97 a
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A						
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A						
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
4	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B						
4	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B						
4	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A	50 a	99 a	95 b	93 b	95 b	83 b
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
6	NONTREATED									0 b	0 b	0 c	0 c	0 c	0 c
LSD (P=.05)										0.0	0.0	3.3	2.4	2.6	3.0
Replicate F										0.000	0.000	1.000	0.419	0.968	3.025
Replicate Prob(F)										1.0000	1.0000	0.4019	0.6685	0.4129	0.0939
Treatment F										0.000	0.000	1423.502	2777.762	2298.178	1651.901
Treatment Prob(F)										1.0000	1.0000	0.0001	0.0001	0.0001	0.0001

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

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30 Location: Belleville Res. Center

Pest Code	CYPES	CYPES	CYPES	CYPES	GGGAN	GGGAN	GGGAN
Crop Code							
Rating Date	05-19-08	07-02-08	07-09-08	07-23-08	07-02-08	07-09-08	07-23-08
Rating Data Type	Control	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing							
Trt-Eval Interval	28 DA-A	7 DA-B	14 DA-B	28 DA-B	7 DA-B	14 DA-B	28 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
1	ENLITE	47.86	WG			2.8	oz/a	30EPP	A	99 a	90 b	96 b	97 a	99 a	99 a	96 a
1	CLASSIC	25	WG	0.005	lb ai/a			30EPP	A							
1	HARMONY SG	50	SG	0.0156	lb ai/a			30EPP	A							
1	VALOR	51	WG	0.0625	lb ai/a			30EPP	A							
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A							
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A							
1	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A							
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A							
1	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B							
1	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B							
1	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B							
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B							
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B							
2	ENVIVE	41.3	WG			3.5	oz/a	30EPP	A	99 a	94 ab	96 ab	97 a	99 a	99 a	96 a
2	CLASSIC	25	WG	0.02	lb ai/a			30EPP	A							
2	HARMONY SG	50	SG	0.00625	lb ai/a			30EPP	A							
2	VALOR	51	WG	0.0625	lb ai/a			30EPP	A							
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A							
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A							
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A							
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A							
2	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B							
2	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B							
2	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B							
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B							
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B							
3	CANOPY EX	29.5	WG			2	oz/a	30EPP	A	99 a	98 a	99 a	98 a	99 a	99 a	97 a
3	CLASSIC	25	WG	0.0283	lb ai/a			30EPP	A							
3	EXPRESS	50	SG	0.00848	lb ai/a			30EPP	A							
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A							
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A							
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A							
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A							
3	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B							
3	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B							
3	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B							
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B							
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B							
4	CANOPY	75	WG	0.188	lb ai/a	4	oz/a	30EPP	A	99 a	98 a	98 ab	98 a	99 a	99 a	96 a
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A							
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A							
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A							
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A							
4	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B							
4	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B							
4	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B							
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B							
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B							
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A	90 b	27 c	73 c	83 b	99 a	99 a	96 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A							
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A							
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B							
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B							
6	NONTREATED									0 c	0 d	0 d	0 c	0 b	0 b	0 b
LSD (P=.05)										3.7	6.6	2.6	7.8	0.0	0.4	1.4
Replicate F										1.000	0.518	0.866	1.171	0.000	1.000	3.491
Replicate Prob(F)										0.4019	0.6111	0.4500	0.3493	1.0000	0.4019	0.0708
Treatment F										1143.072	428.309	2281.034	248.862	0.000	88091.212	7847.925
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

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

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30 Location: Belleville Res. Center

						AMBEL	AMBEL	AMBEL	AMATA	AMATA	AMATA				
						07-02-08	07-09-08	07-23-08	07-02-08	07-09-08	07-23-08				
						Control	Control	Control	Control	Control	Control				
						Percent	Percent	Percent	Percent	Percent	Percent				
						7 DA-B	14 DA-B	28 DA-B	7 DA-B	14 DA-B	28 DA-B				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ENLITE	47.86	WG			2.8	oz/a	30EPP	A	99 a	99 a	99 a	99 a	99 a	94 ab
1	CLASSIC	25	WG	0.005	lb ai/a			30EPP	A						
1	HARMONY SG	50	SG	0.0156	lb ai/a			30EPP	A						
1	VALOR	51	WG	0.0625	lb ai/a			30EPP	A						
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A						
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
1	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A						
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
1	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B						
1	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B						
1	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B						
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
2	ENVIVE	41.3	WG			3.5	oz/a	30EPP	A	99 a	99 a	99 a	99 a	99 a	92 b
2	CLASSIC	25	WG	0.02	lb ai/a			30EPP	A						
2	HARMONY SG	50	SG	0.00625	lb ai/a			30EPP	A						
2	VALOR	51	WG	0.0625	lb ai/a			30EPP	A						
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A						
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A						
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
2	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B						
2	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B						
2	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B						
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
3	CANOPY EX	29.5	WG			2	oz/a	30EPP	A	99 a	99 a	99 a	99 a	99 a	96 ab
3	CLASSIC	25	WG	0.0283	lb ai/a			30EPP	A						
3	EXPRESS	50	SG	0.00848	lb ai/a			30EPP	A						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A						
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A						
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
3	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B						
3	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B						
3	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
4	CANOPY	75	WG	0.188	lb ai/a	4	oz/a	30EPP	A	99 a	99 a	99 a	98 a	99 a	98 a
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A						
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A						
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
4	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B						
4	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B						
4	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A	99 a	99 a	98 a	99 a	99 a	97 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A						
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B						
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B						
6	NONTREATED									0 b	0 b	0 b	0 b	0 b	0 c
LSD (P=.05)										0.0	0.4	1.8	0.9	0.6	4.2
Replicate F										0.000	1.000	0.730	1.000	0.455	0.621
Replicate Prob(F)										1.0000	0.4019	0.5058	0.4019	0.6472	0.5568
Treatment F										0.000	88091.212	4923.057	21993.852	39987.731	834.120
Treatment Prob(F)										1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30 Location: Belleville Res. Center

Pest Code	GLXMA	GLXMA	GLXMA
Crop Code	07-02-08	07-09-08	07-23-08
Rating Date	Injury	Injury	Injury
Rating Data Type	Percent	Percent	Percent
Rating Unit			
Rating Timing			
Trt-Eval Interval	7 DA-B	14 DA-B	28 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	ENLITE	47.86	WG			2.8	oz/a	30EPP	A	0 a	0 a	0 a
1	CLASSIC	25	WG	0.005	lb ai/a			30EPP	A			
1	HARMONY SG	50	SG	0.0156	lb ai/a			30EPP	A			
1	VALOR	51	WG	0.0625	lb ai/a			30EPP	A			
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A			
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A			
1	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A			
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A			
1	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B			
1	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B			
1	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B			
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B			
1	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B			
2	ENVIVE	41.3	WG			3.5	oz/a	30EPP	A	0 a	0 a	0 a
2	CLASSIC	25	WG	0.02	lb ai/a			30EPP	A			
2	HARMONY SG	50	SG	0.00625	lb ai/a			30EPP	A			
2	VALOR	51	WG	0.0625	lb ai/a			30EPP	A			
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A			
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A			
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A			
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A			
2	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B			
2	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B			
2	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B			
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B			
2	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B			
3	CANOPY EX	29.5	WG			2	oz/a	30EPP	A	0 a	0 a	0 a
3	CLASSIC	25	WG	0.0283	lb ai/a			30EPP	A			
3	EXPRESS	50	SG	0.00848	lb ai/a			30EPP	A			
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A			
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A			
3	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A			
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A			
3	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B			
3	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B			
3	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B			
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B			
3	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B			
4	CANOPY	75	WG	0.188	lb ai/a	4	oz/a	30EPP	A	0 a	0 a	0 a
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A			
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A			
4	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30EPP	A			
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A			
4	SYNCHRONY XP	28.4	WG			0.375	oz/a	2-4"W	B			
4	CLASSIC	25	WG	0.00504	lb ai/a			2-4"W	B			
4	HARMONY SG	50	SG	0.00162	lb ai/a			2-4"W	B			
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B			
4	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B			
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	A	0 a	0 a	0 a
5	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	A			
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	30EPP	A			
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W	B			
5	N-PAK AMS	100	SL	2.35	qt/a	2.35	qt/a	2-4"W	B			
6	NONTREATED									0 a	0 a	0 a
LSD (P=.05)										0.0	0.0	0.0
Replicate F										0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000

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

Preplant Residual Herbicides in Soybean - DuPont.

Trial ID: 08-2B-MW30

Location: Belleville Res. Center

Trial Comments

1. Protocol: DuPont (08-120).
2. Ratings: WC at 7, 14 + 28 DA"A"; CI/WC at 7, 14 + 28 DA"B".
3. Yield.
4. DA-A = Days after 30EPP application. DA-B = Days after 2-4"W application.
5. GGGAN = Annual grasses including SETFA and PANDI.
6. Harvested 10-29-08, (2) 30 inch rows by 25 ft.