

DuPont Preplant Burndown Programs in Soybean.

Trial ID: 10-11A-W105

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: 05-14-10

Objectives: Evaluate the efficacy of DuPont preplant burndown programs in no-till soybean compared with commercial competitive programs.

Crop 1: GLXMA Soybean Variety: AG 4404 Description: RR/STS
 Planting Method: SEEDED Planting Date: 05-28-10
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: PANDI Panicum dichotomiflorum Michx. panicum, fall
 Pest 2 Type: W Code: CYPES Cyperus esculentus L. nutsedge, yellow
 Pest 3 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant
 Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 25 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2009

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

% OM: 1.7 Texture: SILT LOAM
 pH: 7 Soil Name: PIERRON
 CEC: 9 Fert. Level: P1: 84 LB/A, K: 270 LB/A

Application Description

A
 Application Date: 05-14-10
 Time of Day: 14:15
 Application Method: Spray
 Application Timing: 7-10DBP
 Application Placement: BROFOL
 Applied By: NVH
 Air Temperature, Unit: 64 F
 % Relative Humidity: 92
 Wind Velocity, Unit: 2 MPH
 Wind Direction: W
 Dew Presence (Y/N): N
 Soil Moisture: ABONOR
 % Cloud Cover: 80

05-14-10
 Crop stage at application: NA

Pest Stage At Each Application

Application Date: 05-14-10
 Weed Code: PANDI
 Stage Majority (leaves): 3
 Stage Min, Max: 1 3
 Height Majority: 2 IN
 Height Min, Max: 1 2
 Density, Unit: 0.01 FT2
 Weed Code: CYPES
 Stage Majority (leaves): 3
 Stage Min, Max: 1 3
 Height Majority: 2 IN
 Height Min, Max: 1 2
 Density, Unit: 0.01 FT2
 Weed Code: AMBTR
 Stage Majority (leaves): 6
 Stage Min, Max: 2 10
 Height Majority: 5 IN
 Height Min, Max: 2 10
 Density, Unit: 4 FT2
 Weed Code: AMATA
 Stage Majority (leaves): NA

Application Equipment

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

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Pest Code Crop Code Rating Date Rating Data Type Rating Unit Rating Timing Trt-Eval Interval											PANDI	PANDI	PANDI
											06-11-10	06-25-10	07-23-10
											Injury	Injury	Injury
											Percent	Percent	Percent
											14 DAP	28 DAP	56 DAP
Trt	Treatment	Form	Form	Rate	Rate	Other	Other	Growth	Appl		28 DA-A	42 DA-A	70 DA-A
No.	Name	Conc	Type	Unit	Unit	Rate	Rate	Stage	Code				
1	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP	A	0 a	0 a	0 a	93 ab
1	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP	A				88 ab
1	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP	A				13 a
1	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A				
1	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				
1	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A				
1	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				
2	ENVIVE	41.3	WG			3.5	oz/a	7-10DBP	A	0 a	0 a	0 a	78 c
2	CLASSIC	25	WG	0.02	lb ai/a			7-10DBP	A				70 cde
2	HARMONY SG	50	SG	0.00643	lb ai/a			7-10DBP	A				17 a
2	VALOR SX	51	WG	0.0635	lb ai/a			7-10DBP	A				
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP	A				
2	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				
2	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				
3	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP	A	0 a	0 a	0 a	93 ab
3	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A				68 cde
3	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				0 a
3	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A				
3	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				
4	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP	A	0 a	0 a	0 a	90 abc
4	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP	A				80 a-d
4	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP	A				0 a
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP	A				
4	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				
4	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				
5	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP	A	0 a	0 a	0 a	98 a
5	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP	A				92 a
5	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP	A				20 a
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-10DBP	A				
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A				
5	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				
5	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A				
5	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				
6	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP	A	0 a	0 a	0 a	98 a
6	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-10DBP	A				92 a
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A				27 a
6	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				
6	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A				
6	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				
7	SYNCHRONY XP	28.4	WG			1	oz/a	7-10DBP	A	0 a	0 a	0 a	87 abc
7	CLASSIC	25	WG	0.01344	lb ai/a			7-10DBP	A				78 a-e
7	HARMONY SG	50	SG	.004313	lb ai/a			7-10DBP	A				20 a
7	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A				
7	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				
7	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A				
7	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				
8	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A	0 a	0 a	0 a	83 bc
8	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				65 de
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A	0 a	0 a	0 a	88 abc
9	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				63 e
9	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A				10 a
9	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				
10	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-10DBP	A	0 a	0 a	0 a	90 abc
10	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A				75 b-e
10	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A				13 a
10	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A				

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										PANDI		
Pest Code										GLXMA	GLXMA	GLXMA
Crop Code										06-11-10	06-25-10	07-23-10
Rating Date										Injury	Injury	Injury
Rating Data Type										Percent	Percent	Percent
Rating Unit										14 DAP	28 DAP	56 DAP
Rating Timing										28 DA-A	42 DA-A	70 DA-A
Trt-Eval Interval										28 DA-A	42 DA-A	70 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
11	ENVIVE	41.3	WG			3.5	oz/a	7-10DBP A		0 a	0 a	0 a
11	CLASSIC	25	WG	0.02	lb ai/a			7-10DBP A		93 ab	92 a	15 a
11	HARMONY SG	50	SG	0.00643	lb ai/a			7-10DBP A				
11	VALOR SX	51	WG	0.0635	lb ai/a			7-10DBP A				
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP A				
11	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A				
11	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A				
11	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A				
12	NONTREATED									0 a	0 a	0 a
13	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A		0 a	0 a	0 a
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP A		92 ab	88 ab	25 a
13	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A				
14	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A		0 a	0 a	0 a
14	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP A		90 abc	83 abc	10 a
14	SONIC	70	WG	0.131	lb ai/a	3	oz/a	7-10DBP A				
14	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A				
15	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7-10DBP A		0 a	0 a	0 a
15	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP A		93 ab	90 ab	0 a
15	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-10DBP A				
15	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A				
16	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-10DBP A		0 a	0 a	0 a
16	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP A		92 ab	87 ab	7 a
16	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP 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
										0.0001	0.0001	0.0001

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

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Location: Belleville Res. Center

										CYPES	CYPES	CYPES	AMBTR	AMBTR	AMBTR
Pest Code										06-11-10	06-25-10	07-23-10	06-11-10	06-25-10	07-23-10
Crop Code										Control	Control	Control	Control	Control	Control
Rating Date										14 DAP	28 DAP	56 DAP	14 DAP	28 DAP	56 DAP
Rating Data Type										28 DA-A	42 DA-A	70 DA-A	28 DA-A	42 DA-A	70 DA-A
Rating Unit															
Rating Timing															
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP A		75 abc	60 cd	3 cd	83 abc	75 abc	8 b
1	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP A							
1	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP A							
1	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP A							
1	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
1	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A							
1	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
2	ENVIVE	41.3	WG			3.5	oz/a	7-10DBP A		65 bc	40 de	17 bc	88 ab	77 abc	20 ab
2	CLASSIC	25	WG	0.02	lb ai/a			7-10DBP A							
2	HARMONY SG	50	SG	0.00643	lb ai/a			7-10DBP A							
2	VALOR SX	51	WG	0.0635	lb ai/a			7-10DBP A							
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP A							
2	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
2	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
3	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP A		88 ab	80 abc	13 bcd	90 a	73 abc	18 ab
3	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP A							
3	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
3	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A							
3	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
4	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP A		85 abc	80 abc	15 bcd	70 bc	53 c	10 b
4	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP A							
4	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP A							
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP A							
4	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
4	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
5	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP A		81 abc	72 abc	15 bcd	88 ab	88 a	45 a
5	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP A							
5	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP A							
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-10DBP A							
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP A							
5	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
5	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A							
5	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
6	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP A		98 a	92 a	40 a	90 a	88 a	27 ab
6	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-10DBP A							
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP A							
6	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
6	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A							
6	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
7	SYNCHRONY XP	28.4	WG			1	oz/a	7-10DBP A		87 abc	77 abc	20 b	88 ab	83 ab	10 b
7	CLASSIC	25	WG	0.01344	lb ai/a			7-10DBP A							
7	HARMONY SG	50	SG	.004313	lb ai/a			7-10DBP A							
7	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP A							
7	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
7	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A							
7	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
8	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A		80 abc	63 bcd	37 a	67 c	58 bc	30 ab
8	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP A		72 abc	30 e	20 b	85 abc	60 bc	17 ab
9	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
9	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A							
9	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
10	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-10DBP A		60 c	20 ef	20 b	87 ab	68 abc	17 ab
10	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
10	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A							
10	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							

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										CYPES	CYPES	CYPES	AMBTR	AMBTR	AMBTR
Pest Code										06-11-10	06-25-10	07-23-10	06-11-10	06-25-10	07-23-10
Crop Code										Control	Control	Control	Control	Control	Control
Rating Date										14 DAP	28 DAP	56 DAP	14 DAP	28 DAP	56 DAP
Rating Data Type										Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit										28 DA-A	42 DA-A	70 DA-A	28 DA-A	42 DA-A	70 DA-A
Rating Timing															
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
11	ENVIVE	41.3	WG			3.5	oz/a	7-10DBP A		90 ab	88 ab	15 bcd	87 ab	82 ab	28 ab
11	CLASSIC	25	WG	0.02	lb ai/a			7-10DBP A							
11	HARMONY SG	50	SG	0.00643	lb ai/a			7-10DBP A							
11	VALOR SX	51	WG	0.0635	lb ai/a			7-10DBP A							
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP A							
11	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A							
11	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP A							
11	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
12	NONTREATED									0 d	0 f	0 d	0 d	0 d	0 b
13	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A		78 abc	40 de	13 bcd	83 abc	65 abc	7 b
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP A							
13	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
14	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP A		90 ab	60 cd	10 bcd	92 a	88 a	45 a
14	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP A							
14	SONIC	70	WG	0.131	lb ai/a	3	oz/a	7-10DBP A							
14	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
15	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7-10DBP A		87 abc	67 a-d	0 d	85 abc	77 abc	33 ab
15	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP A							
15	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-10DBP A							
15	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
16	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-10DBP A		85 abc	77 abc	15 bcd	87 ab	65 abc	12 ab
16	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP A							
16	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP A							
LSD (P=.05)										27.1	28.2	15.6	19.6	24.9	33.7
Replicate F										1.098	0.726	2.051	0.442	0.631	3.282
Replicate Prob(F)										0.3469	0.4924	0.1469	0.6468	0.5394	0.0519
Treatment F										5.784	7.154	4.082	10.775	6.171	1.299
Treatment Prob(F)										0.0001	0.0001	0.0006	0.0001	0.0001	0.2646

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

DuPont Preplant Burndown Programs in Soybean.

Trial ID: 10-11A-W105

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA
Crop Code			
Rating Date	06-11-10	06-25-10	07-23-10
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing	14 DAP	28 DAP	56 DAP
Trt-Eval Interval	28 DA-A	42 DA-A	70 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP	A	67	a-d	40	cde	0	b
1	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP	A						
1	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP	A						
1	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A						
1	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
1	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A						
1	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
2	ENVIVE	41.3	WG			3.5	oz/a	7-10DBP	A	62	bcd	33	de	3	b
2	CLASSIC	25	WG	0.02	lb ai/a			7-10DBP	A						
2	HARMONY SG	50	SG	0.00643	lb ai/a			7-10DBP	A						
2	VALOR SX	51	WG	0.0635	lb ai/a			7-10DBP	A						
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP	A						
2	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
2	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
3	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP	A	68	a-d	30	de	7	ab
3	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A						
3	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
3	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A						
3	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
4	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP	A	75	abc	30	de	0	b
4	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP	A						
4	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP	A						
4	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP	A						
4	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
4	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
5	CANOPY EX	29.5	WG			1.1	oz/a	7-10DBP	A	77	ab	60	ab	0	b
5	CLASSIC	25	WG	0.0156	lb ai/a			7-10DBP	A						
5	EXPRESS	50	SG	0.00468	lb ai/a			7-10DBP	A						
5	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-10DBP	A						
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A						
5	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
5	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A						
5	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
6	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP	A	80	ab	52	abc	0	b
6	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	7-10DBP	A						
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A						
6	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
6	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A						
6	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
7	SYNCHRONY XP	28.4	WG			1	oz/a	7-10DBP	A	77	ab	47	bcd	7	ab
7	CLASSIC	25	WG	0.01344	lb ai/a			7-10DBP	A						
7	HARMONY SG	50	SG	.004313	lb ai/a			7-10DBP	A						
7	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A						
7	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
7	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A						
7	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
8	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A	43	d	25	e	4	ab
8	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A	68	a-d	38	cde	0	b
9	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
9	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A						
9	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						
10	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	7-10DBP	A	70	abc	53	abc	17	a
10	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A						
10	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A						
10	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A						

DuPont Preplant Burndown Programs in Soybean.

Trial ID: 10-11A-W105

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA
Crop Code			
Rating Date	06-11-10	06-25-10	07-23-10
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing	14 DAP	28 DAP	56 DAP
Trt-Eval Interval	28 DA-A	42 DA-A	70 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
11	ENVIVE	41.3	WG			3.5	oz/a	7-10DBP	A	88	a	67 a 8 ab
11	CLASSIC	25	WG	0.02	lb ai/a			7-10DBP	A			
11	HARMONY SG	50	SG	0.00643	lb ai/a			7-10DBP	A			
11	VALOR SX	51	WG	0.0635	lb ai/a			7-10DBP	A			
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	7-10DBP	A			
11	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A			
11	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	7-10DBP	A			
11	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A			
12	NONTREATED									0	e	0 f 0 b
13	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A	78	ab	40 cde 0 b
13	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP	A			
13	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A			
14	ABUNDIT	3	SL	0.75	lb ae/a	32	fl oz/a	7-10DBP	A	87	ab	47 bcd 10 ab
14	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP	A			
14	SONIC	70	WG	0.131	lb ai/a	3	oz/a	7-10DBP	A			
14	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A			
15	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	7-10DBP	A	77	ab	42 cde 7 ab
15	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-10DBP	A			
15	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-10DBP	A			
15	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A			
16	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-10DBP	A	50	cd	30 de 3 b
16	CANOPY	75	WG	0.117	lb ai/a	2.5	oz/a	7-10DBP	A			
16	AMS	100	SG	2	% w/w	2	% w/w	7-10DBP	A			

LSD (P=.05)

26.3 17.0 13.1

Replicate F

0.614 0.187 2.716

Replicate Prob(F)

0.5479 0.8308 0.0830

Treatment F

5.543 7.139 1.138

Treatment Prob(F)

0.0001 0.0001 0.3689

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

Trial Comments

1. Protocol: DuPont (USA-10-295).
2. Ratings: CI/WC at 14, 28, and 56 DAP.
3. DAP = Days after planting.
4. Not harvested.