

Postemergence Weed Control in Corn with DuPont Products.

Trial ID: 09-2B-ME60

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: 06-29-09

Objectives: Evaluate the crop tolerance and efficacy of several postemergence herbicide products from DuPont in corn.

Crop 1: ZEAMD	Dent corn	Variety: P33K44	Description: RR/LL
Planting Method:	SEED	Planting Date:	06-29-09
Rate, Unit:	28000 S/A	Depth, Unit:	1.5 IN
Row Spacing, Unit:	30 IN		

Pest 1 Type: W	Code: SETFA	Setaria faberi Herrm.	foxtail, giant
Pest 2 Type: W	Code: CYPES	Cyperus esculentus L.	nutsedge, yellow
Pest 3 Type: W	Code: AMATA	Amaranthus rudis Sauer	waterhemp, common
Pest 4 Type: W	Code: AMBTR	Ambrosia trifida L.	ragweed, giant
Pest 5 Type: W	Code: AMBEL	Ambrosia artemisiifolia L.	ragweed, common
Pest 6 Type: W	Code: IPOHE	Ipomoea hederacea (L.) Jacq.	morningglory, ivyleaf

Plot Width, Unit:	10 FT	Site Type:	FIELD
Plot Length, Unit:	28 FT	Tillage Type:	REDUCED-TILL
Replications:	4	Study Design:	Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2008

Field Prep./Maintenance: N 150 LB/A, P205 0 LB/A, K20 100 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:	06-30-09	07-13-09
Time of Day:	9:00	15:00
Application Method:	Spray	Spray
Application Timing:	PRE	V2-4
Application Placement:	BROSOI	BROSOI
Applied By:	RFK	NVH
Air Temperature, Unit:	72 F	84 F
% Relative Humidity:	80	78
Wind Velocity, Unit:	3 MPH	4 MPH
Wind Direction:	NW	E
Dew Presence (Y/N):	N	N
Soil Moisture:	NORMAL	ABONOR
% Cloud Cover:	0	5
Crop stage at application:	NA	V3
Height Min, Max (inch):	6	8

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	Pest Stage At Each Application	
Application Date:	06-30-09	07-13-09
Weed Code:	SETFA	SETFA
Stage Majority (leaves):	NA	2
Stage Min, Max:		COTY 4
Height Majority:		1.5 IN
Height Min, Max:		0.25 3
Density, Unit:		6 FT2
Weed Code:	CYPES	CYPES
Stage Majority (leaves):	NA	6
Stage Min, Max:		4 10
Height Majority:		5 IN
Height Min, Max:		3 8
Density, Unit:		1.5 FT2
Weed Code:	AMATA	AMATA
Stage Majority (leaves):	NA	3
Stage Min, Max:		1 6
Height Majority:		2 IN
Height Min, Max:		1 3
Density, Unit:		0.75 FT2
Weed Code:	AMBTR	AMBTR
Stage Majority (leaves):	NA	3
Stage Min, Max:		1 5
Height Majority:		4 IN
Height Min, Max:		2 5
Density, Unit:		0.02 FT2
Weed Code:	AMBEL	AMBEL
Stage Majority (leaves):	NA	1
Stage Min, Max:		COTY 2
Height Majority:		1 IN
Height Min, Max:		1 2
Density, Unit:		.001 FT2
Weed Code:	IPOHE	IPOHE
Stage Majority (leaves):	NA	1
Stage Min, Max:		COTY 3
Height Majority:		1 IN
Height Min, Max:		1 3
Density, Unit:		0.5 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

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Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

ZEAMD ZEAMD ZEAMD ZEAMD ZEAMD ZEAMD
01-15-10 01-15-10 07-20-09 07-27-09 08-10-09 09-07-09
Moisture Yield Injury Injury Injury Injury
Percent bu/A Percent Percent Percent Percent
7 DA-B 14 DA-B 28 DA-B 56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	21.9	b	120	a	1	b
1	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B					0	b
1	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B					0	b
1	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B					0	b
1	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B					0	a
2	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A	22.4	ab	110	a	0	b
2	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B					0	b
2	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B					0	b
2	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B					0	b
2	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B					0	b
2	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B					0	a
3	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	22.7	ab	110	a	0	b
3	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B					0	b
3	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B					0	b
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V2-4	B					0	b
3	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B					0	a
4	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	22.0	b	110	a	0	b
4	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B					0	b
4	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B					0	b
4	IGNITE 280	2.34	EC	0.402	lb ae/a	22	fl oz/a	V2-4	B					0	b
4	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B					0	a
5	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	24.3	a	113	a	0	b
5	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B					0	b
5	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B					0	b
5	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	V2-4	B					0	b
5	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B					0	b
5	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B					0	a
6	RESOLVE Q	22.4	WG			1.25	oz/a	V2-4	B	21.8	b	121	a	0	b
6	RESOLVE SG	25	SG	0.01437	lb ai/a			V2-4	B					0	b
6	HARMONY SG	50	SG	0.00313	lb ai/a			V2-4	B					0	b
6	DPX-4145	50	WG	0.00719	lb ai/a			V2-4	B					0	b
6	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B					0	b
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B					0	b
6	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B					0	a
7	ACCENT	75	WG	0.0313	lb ai/a	0.67	oz/a	V2-4	B	21.7	b	121	a	1	b
7	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B					0	b
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B					0	b
7	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B					0	a
8	STEADFAST Q	37.7	WG			1.5	oz/a	V2-4	B	22.1	b	113	a	3	a
8	ACCENT	75	WG	0.0236	lb ai/a			V2-4	B					1	a
8	RESOLVE SG	25	SG	0.01172	lb ai/a			V2-4	B					1	a
8	DPX-4145	50	WG	0.0078	lb ai/a			V2-4	B					0	a
8	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B					0	a
8	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B					0	a
8	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B					0	a
9	NONTREATED									21.2	b	43	b	0	b
LSD (P=.05)										1.99		21.7		1.8	0.7
Replicate F										4.979		11.486		1.232	1.000
Replicate Prob(F)										0.0079		0.0001		0.3198	0.4098
Treatment F										1.667		10.616		3.155	1.000
Treatment Prob(F)										0.1584		0.0001		0.0138	0.4613

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

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Pest Code									SETFA	SETFA	SETFA	CYPES	CYPES	CYPES	
Crop Code									07-27-09	08-10-09	09-07-09	07-27-09	08-10-09	09-07-09	
Rating Date									Control	Control	Control	Control	Control	Control	
Rating Data Type									Percent	Percent	Percent	Percent	Percent	Percent	
Rating Unit															
Rating Timing															
Trt-Eval Interval									14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	97 cd	96 a	96 c	89 bc	88 ab	86 a
1	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
1	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
1	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
1	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
2	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A	99 a	97 a	97 ab	96 a	92 a	91 a
2	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B						
2	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
2	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
2	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
2	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
3	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	98 ab	72 b	96 bc	93 abc	91 a	84 ab
3	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
3	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V2-4	B						
3	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
4	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	99 a	98 a	97 ab	88 cd	76 c	74 c
4	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
4	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
4	IGNITE 280	2.34	EC	0.402	lb ae/a	22	fl oz/a	V2-4	B						
4	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
5	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	97 cd	97 a	97 a	94 ab	91 a	89 a
5	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
5	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
5	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	V2-4	B						
5	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
5	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
6	RESOLVE Q	22.4	WG			1.25	oz/a	V2-4	B	98 bc	97 a	97 ab	88 cd	78 c	76 bc
6	RESOLVE SG	25	SG	0.01437	lb ai/a			V2-4	B						
6	HARMONY SG	50	SG	0.00313	lb ai/a			V2-4	B						
6	DPX-4145	50	WG	0.00719	lb ai/a			V2-4	B						
6	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
6	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
7	ACCENT	75	WG	0.0313	lb ai/a	0.67	oz/a	V2-4	B	97 d	96 a	97 ab	83 d	83 bc	84 ab
7	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
7	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
8	STEADFAST Q	37.7	WG			1.5	oz/a	V2-4	B	97 cd	97 a	97 ab	84 d	85 ab	85 ab
8	ACCENT	75	WG	0.0236	lb ai/a			V2-4	B						
8	RESOLVE SG	25	SG	0.01172	lb ai/a			V2-4	B						
8	DPX-4145	50	WG	0.0078	lb ai/a			V2-4	B						
8	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
8	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
8	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
9	NONTREATED									0 e	0 c	0 d	0 e	0 d	0 d
LSD (P=.05)									0.8	23.4	1.0	5.2	7.1	10.1	
Replicate F									0.750	0.912	2.381	0.166	0.165	0.548	
Replicate Prob(F)									0.5331	0.4497	0.0946	0.9184	0.9188	0.6545	
Treatment F									12721.834	16.339	8361.336	283.105	143.175	67.672	
Treatment Prob(F)									0.0001	0.0001	0.0001	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

Pest Code	AMATA	AMATA	AMATA	AMBTR	AMBTR	AMBTR
Crop Code						
Rating Date	07-27-09	08-10-09	09-07-09	07-27-09	08-10-09	09-07-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing						
Trt-Eval Interval	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	99 a	99 ab	99 ab	97 a	97 ab	96 a
1	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
1	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
1	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
1	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
2	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A	99 a	99 a	99 a	98 a	97 ab	97 a
2	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B						
2	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
2	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
2	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
2	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
3	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	99 a	99 ab	98 ab	98 a	98 a	97 a
3	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
3	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V2-4	B						
3	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
4	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	99 a	99 a	99 a	97 a	97 ab	97 a
4	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
4	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
4	IGNITE 280	2.34	EC	0.402	lb ae/a	22	fl oz/a	V2-4	B						
4	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
5	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	99 a	99 a	99 a	99 a	98 a	97 a
5	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
5	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
5	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	V2-4	B						
5	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
5	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
6	RESOLVE Q	22.4	WG			1.25	oz/a	V2-4	B	99 a	99 a	99 ab	97 a	95 b	97 a
6	RESOLVE SG	25	SG	0.01437	lb ai/a			V2-4	B						
6	HARMONY SG	50	SG	0.00313	lb ai/a			V2-4	B						
6	DPX-4145	50	WG	0.00719	lb ai/a			V2-4	B						
6	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
6	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
7	ACCENT	75	WG	0.0313	lb ai/a	0.67	oz/a	V2-4	B	99 a	99 ab	99 ab	98 a	97 ab	97 a
7	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
7	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
8	STEADFAST Q	37.7	WG			1.5	oz/a	V2-4	B	99 a	98 b	98 b	97 a	96 ab	96 a
8	ACCENT	75	WG	0.0236	lb ai/a			V2-4	B						
8	RESOLVE SG	25	SG	0.01172	lb ai/a			V2-4	B						
8	DPX-4145	50	WG	0.0078	lb ai/a			V2-4	B						
8	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
8	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
8	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
9	NONTREATED									0 b	0 c	0 c	0 b	0 c	0 b
LSD (P=.05)										0.4	0.8	1.1	2.3	2.5	1.9
Replicate F										0.308	2.428	2.035	2.153	6.353	1.814
Replicate Prob(F)										0.8196	0.0902	0.1357	0.1199	0.0025	0.1716
Treatment F										48160.388	12913.718	8270.098	1678.748	1469.294	2425.810
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Postemergence Weed Control in Corn with DuPont Products.

Trial ID: 09-2B-ME60

Location: Belleville Res. Center

Pest Code	AMBEL	AMBEL	AMBEL	IPOHE	IPOHE	IPOHE
Crop Code						
Rating Date	07-27-09	08-10-09	09-07-09	07-27-09	08-10-09	09-07-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing						
Trt-Eval Interval	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	98 a	99 a	98 a	98 ab	98 ab	97 a
1	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
1	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
1	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
1	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
2	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A	99 a	99 a	99 a	99 ab	99 a	98 a
2	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B						
2	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
2	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
2	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
2	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
3	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	99 a	99 a	99 a	99 a	98 ab	98 a
3	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
3	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V2-4	B						
3	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
4	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	99 a	99 a	99 a	97 b	97 b	96 a
4	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
4	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
4	IGNITE 280	2.34	EC	0.402	lb ae/a	22	fl oz/a	V2-4	B						
4	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
5	RESOLVE SG	25	SG	0.01875	lb ai/a	1.2	oz/a	V2-4	B	99 a	99 a	99 a	99 a	98 ab	97 a
5	DPX-4145	50	WG	0.00938	lb ai/a	0.3	oz/a	V2-4	B						
5	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
5	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	V2-4	B						
5	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
5	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
6	RESOLVE Q	22.4	WG			1.25	oz/a	V2-4	B	99 a	98 ab	98 a	98 ab	98 ab	96 a
6	RESOLVE SG	25	SG	0.01437	lb ai/a			V2-4	B						
6	HARMONY SG	50	SG	0.00313	lb ai/a			V2-4	B						
6	DPX-4145	50	WG	0.00719	lb ai/a			V2-4	B						
6	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
6	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
6	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
7	ACCENT	75	WG	0.0313	lb ai/a	0.67	oz/a	V2-4	B	98 a	98 ab	98 a	97 b	97 ab	96 a
7	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
7	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
7	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
8	STEADFAST Q	37.7	WG			1.5	oz/a	V2-4	B	96 b	97 b	93 b	99 ab	99 a	97 a
8	ACCENT	75	WG	0.0236	lb ai/a			V2-4	B						
8	RESOLVE SG	25	SG	0.01172	lb ai/a			V2-4	B						
8	DPX-4145	50	WG	0.0078	lb ai/a			V2-4	B						
8	MESOTRIONE	50	WG	0.078	lb ai/a	2.5	oz/a	V2-4	B						
8	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	V2-4	B						
8	N-PAK AMS	3.4	SL	2	lb ai/a	3.92	% v/v	V2-4	B						
9	NONTREATED									0 c	0 c	0 c	0 c	0 c	0 b
LSD (P=.05)										1.9	2.2	4.3	1.7	1.7	2.5
Replicate F										1.718	1.721	0.962	2.700	6.603	5.029
Replicate Prob(F)										0.1900	0.1894	0.4265	0.0682	0.0021	0.0076
Treatment F										2469.032	1910.138	479.518	3042.656	3245.000	1470.186
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Trial Comments

1. Protocol: DuPont (USA-09-111).
2. Ratings: CI at 7, 14 + 28 da B; WC at 14, 28 + 56 da B.
3. Yield if possible.
4. Harvested 1-15-10, (2) 30 inch rows by 25 ft.