SU/Dicamba Blend (DPX-TEX26) Applied in Spring for Burndown and Residual Control of Winter Annuals.

Trial ID: 16-DSO-DPX-002 Location: De Soto, IL Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Trial Status: F one-year/final
Initiation Date: 4-14-16
Completion Date: 6-5-16

Trial Location

City: De Soto **Country:** USA
State/Prov.: Illinois IL
Postal Code: 62924

Objectives:
Evaluate DPX-TEX26 applied early preplant in the spring for burndown and residual control of winter annual weeds and early spring annual weeds.

Contacts

Study Director: Karla Gage, Ph.D. **Title:** Assistant Professor of Weed Science
Organization: Southern Illinois University Carbondale
Address: 1205 Lincoln Drive MC 4415 **Phone No.:** 618-453-7679
City+State/Prov: Carbondale, IL
Postal Code: 62901 **E-mail:** kgage@siu.edu
Country: USA

Crop Description

Crop 1: ZEAMD Zea mays indentata Dent corn
Variety: DKC 63-33 **BBCH Scale:** BCOR
Description: SS RIB
Planting Date: 5-7-16
Planting Rate, Unit: 32000 S/A **Planting Method:** SEEDED
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN

Pest Description

Pest 1 Type: W **Code:** ERICA Conyza canadensis (L.) Crong.
Common Name: horseweed
Description: glyphosate-resistant marestail

Pest 2 Type: W **Code:** AMATA Amaranthus rudis Sauer
Common Name: waterhemp, common
Description: glyphosate-resistant waterhemp

Site and Design

Treated Plot Width: 6.67 FT **Total Plot Width:** 10 FT **Site Type:** FIELD
Treated Plot Length: 30 FT **Total Plot Length:** 30 FT **Experimental Unit:** 1 PLOT
Tillage Type: NOTILL no-till
Replications: 3 **Study Design:** RACOBL Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

No.	Previous Crop	Year
1.	GLXMA	2015

Maintenance

No.	Maintenance Product Name
1.	N 0 LB/A, P2O5 0 LB/A, K2O 0 LB/A

Soil Description

Description Name: DSO_west_2016
% Sand: 15.4 **% OM:** 1.96 **Texture:** SIL silt loam
% Silt: 64.7 **pH:** 7.1 **Soil Name:** Okaw
% Clay: 19.9 **CEC:** 7.91

Additional Measured Elements

Element	Quantity	Unit
P1	52	lb/A
K	278	lb/A

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: SOUTHERN IL AIRPORT (93810) **Distance, Unit:** 1.5 MI

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No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	3-1-16	0.49	IN	RAIN	rain	3	DAY			
2.	3-4-16					7	DAY	27	70	F
3.	3-7-16	1.62	IN	RAIN	rain	6	DAY			
4.	3-11-16					7	DAY	41	77	F
5.	3-18-16					7	DAY	31	68	F
6.	3-18-16	0.37	IN	RAIN	rain	3	DAY			
7.	3-24-16	0.59	IN	RAIN	rain	1	DAY			
8.	3-25-16					7	DAY	33	74	F
9.	3-27-16	0.06	IN	RAIN	rain	1	DAY			
10.	3-30-16	1.01	IN	RAIN	rain	4	DAY			
11.	4-1-16					7	DAY	31	67	F
12.	4-6-16	0.27	IN	RAIN	rain	2	DAY			
13.	4-8-16					7	DAY	30	73	F
14.	4-10-16	0.99	IN	RAIN	rain	2	DAY			
15.	4-15-16					7	DAY	47	80	F
16.	4-20-16	1.76	IN	RAIN	rain	2	DAY			
17.	4-22-16					7	DAY	47	81	F
18.	4-26-16	1.59	IN	RAIN	rain	6	DAY			
19.	4-29-16					7	DAY	45	78	F
20.	5-4-16	0.03	IN	RAIN	rain	1	DAY			
21.	5-6-16					7	DAY	44	86	F
22.	5-9-16	2.92	IN	RAIN	rain	4	DAY			
23.	5-13-16					7	DAY	39	74	F
24.	5-16-16	1.27	IN	RAIN	rain	2	DAY			
25.	5-20-16					7	DAY	49	82	F
26.	5-20-16	0.1	IN	RAIN	rain	1	DAY			
27.	5-25-16	2.12	IN	RAIN	rain	3	DAY			
28.	6-1-16	0.11	IN	RAIN	rain	1	DAY			
29.	5-27-16					7	DAY	61	86	F
30.	6-3-16					7	DAY	55	87	F
31.	6-3-16	0.83	IN	RAIN	rain	2	DAY			
32.	6-6-16	0.36	IN	RAIN	rain	1	DAY			
33.	6-10-16					7	DAY	62	97	F
34.	6-15-16	0.21	IN	RAIN	rain	1	DAY			

Application Description

	A
Application Date:	4-14-16
Appl. Start Time:	10:00
Appl. Stop Time:	10:30
Application Method:	Spray
Application Timing:	2-4"MT
Application Placement:	BROFOL
Applied By:	MCG
Air Temperature, Unit:	62 F
% Relative Humidity:	53
Wind Velocity, Unit:	4 MPH
Wind Direction:	NE
Dew Presence (Y/N):	N
Soil Temperature, Unit:	60 F
Soil Moisture:	NORMAL
% Cloud Cover:	50
Next Moisture Occurred On:	4-20-16
Time to Next Moisture, Unit:	6 DAY

SU/Dicamba Blend (DPX-TEX26) Applied in Spring for Burndown and Residual Control of Winter Annuals.

Trial ID: 16-DSO-DPX-002 Location: De Soto, IL Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	ZEAMD
Stage Scale Used:	DESC
Stage Majority, Percent:	NA

Pest Stage At Each Application

	A
Pest 1 Code, Type, Scale:	ERICA W
Stage Majority, Percent:	20
Stage Minimum, Percent:	6
Stage Maximum, Percent:	50
Height, Unit:	1.5 IN
Height Minimum, Maximum:	0.5 4
Density, Unit:	2 FT2
Pest 2 Code, Type, Scale:	AMATA W
Stage Majority, Percent:	COTY
Stage Minimum, Percent:	COTY
Stage Maximum, Percent:	1
Height, Unit:	0.125 IN
Height Minimum, Maximum:	0.125 0.25
Density, Unit:	50 FT2

Application Equipment

	A
Appl. Equipment:	CO2 sprayer
Equipment Type:	BACSPR
Operation Pressure, Unit:	30 PSI
Nozzle Type:	XR
Nozzle Size:	8002
Boom Length, Unit:	6.67 FT
Spray Volume, Unit:	15 GPA

SU/Dicamba Blend (DPX-TEX26) Applied in Spring for Burndown and Residual Control of Winter Annuals.

Trial ID: 16-DSO-DPX-002 Location: De Soto, IL Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ZEAMD 5-21-16 Injury Percent 14 DAP 37 DA-A	ZEAMD 6-4-16 Injury Percent 28 DAP 51 DA-A
1	DPX-TEX26					3.5	oz/a	2-4"MT	A	0 a	0 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A		
	EXPRESS	50	SG	0.0069	lb ai/a			2-4"MT	A		
	DICAMBA	70	WG	0.115	lb ae/a			2-4"MT	A		
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A		
2	DPX-TEX26					3.5	oz/a	2-4"MT	A	0 a	0 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A		
	EXPRESS	50	SG	0.0069	lb ai/a			2-4"MT	A		
	DICAMBA	70	WG	0.115	lb ae/a			2-4"MT	A		
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A		
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A		
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A		
3	DPX-TEX26					5.25	oz/a	2-4"MT	A	0 a	0 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A		
	EXPRESS	50	SG	0.0103	lb ai/a			2-4"MT	A		
	DICAMBA	70	WG	0.173	lb ae/a			2-4"MT	A		
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A		
4	DPX-TEX26					5.25	oz/a	2-4"MT	A	0 a	0 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A		
	EXPRESS	50	SG	0.0103	lb ai/a			2-4"MT	A		
	DICAMBA	70	WG	0.173	lb ae/a			2-4"MT	A		
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A		
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A		
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A		
5	BASIS BLEND	30	SG			0.825	oz/a	2-4"MT	A	0 a	0 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A		
	HARMONY SG	50	SG	0.005	lb ai/a			2-4"MT	A		
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A		
6	BASIS BLEND	30	SG			1.25	oz/a	2-4"MT	A	0 a	0 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A		
	HARMONY SG	50	SG	0.0078	lb ai/a			2-4"MT	A		
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A		
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A	0 a	0 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A		
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A		
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	2-4"MT	A	0 a	0 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A		
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	2-4"MT	A		
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A		
9	NONTREATED									0	0
	LSD P=.05									.	.
	Standard Deviation									0.0	0.0
	CV									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 or symbol do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Could not calculate LSD (% mean diff) for columns 15,16,9,11,13,6,8,10,14 because error mean square = 0.

SU/Dicamba Blend (DPX-TEX26) Applied in Spring for Burndown and Residual Control of Winter Annuals.

Trial ID: 16-DSO-DPX-002 Location: De Soto, IL Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ERICA-HR 4-28-16 Control Percent 14 DA-A	ERICA-HR 5-7-16 Control Percent 0 DAP 23 DA-A	ERICA-HR 5-12-16 Control Percent 28 DA-A	ERICA-HR 5-21-16 Control Percent 14 DAP 37 DA-A	ERICA-HR 6-4-16 Control Percent 28 DAP 51 DA-A
1	DPX-TEX26					3.5	oz/a	2-4"MT	A	81 bc	91 b	99 a	99 a	99 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A					
	EXPRESS	50	SG	0.0069	lb ai/a			2-4"MT	A					
	DICAMBA	70	WG	0.115	lb ae/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
2	DPX-TEX26					3.5	oz/a	2-4"MT	A	93 a	98 a	99 a	99 a	99 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A					
	EXPRESS	50	SG	0.0069	lb ai/a			2-4"MT	A					
	DICAMBA	70	WG	0.115	lb ae/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A					
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A					
3	DPX-TEX26					5.25	oz/a	2-4"MT	A	73 cd	87 c	99 a	99 a	99 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A					
	EXPRESS	50	SG	0.0103	lb ai/a			2-4"MT	A					
	DICAMBA	70	WG	0.173	lb ae/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
4	DPX-TEX26					5.25	oz/a	2-4"MT	A	94 a	98 a	99 a	99 a	99 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A					
	EXPRESS	50	SG	0.0103	lb ai/a			2-4"MT	A					
	DICAMBA	70	WG	0.173	lb ae/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A					
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A					
5	BASIS BLEND	30	SG			0.825	oz/a	2-4"MT	A	68 d	84 d	99 a	99 a	99 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A					
	HARMONY SG	50	SG	0.005	lb ai/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
6	BASIS BLEND	30	SG			1.25	oz/a	2-4"MT	A	68 d	87 c	99 a	99 a	99 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A					
	HARMONY SG	50	SG	0.0078	lb ai/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A	89 ab	98 a	99 a	99 a	99 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A					
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A					
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	2-4"MT	A	98 a	98 a	99 a	99 a	99 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A					
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A					
9	NONTREATED									0	0	0	0	0
LSD P=.05										8.4	3.3	.	.	.
Standard Deviation										4.8	1.9	0.0	0.0	0.0
CV										5.78	2.05	0.0	0.0	0.0
Replicate F										1.021	0.657	0.000	0.000	0.000
Replicate Prob(F)										0.3857	0.5335	1.0000	1.0000	1.0000
Treatment F										18.817	31.044	0.000	0.000	0.000
Treatment Prob(F)										0.0001	0.0001	1.0000	1.0000	1.0000

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Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Could not calculate LSD (% mean diff) for columns 15,16,9,11,13,6,8,10,14 because error mean square = 0.

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Trial ID: 16-DSO-DPX-002 Location: De Soto, IL Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	AMATA-HR	AMATA-HR	AMATA-HR	AMATA-HR	AMATA-HR
	Pest Code									AMATA-HR	AMATA-HR	AMATA-HR	AMATA-HR	AMATA-HR
	Crop Code													
	Rating Date									4-28-16	5-7-16	5-12-16	5-21-16	6-4-16
	Rating Type									Control	Control	Control	Control	Control
	Rating Unit									Percent	Percent	Percent	Percent	Percent
	Rating Timing										0 DAP		14 DAP	28 DAP
	Trt-Eval Interval									14 DA-A	23 DA-A	28 DA-A	37 DA-A	51 DA-A
1	DPX-TEX26					3.5	oz/a	2-4"MT	A	99 a	99 a	99 a	10 a	0 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A					
	EXPRESS	50	SG	0.0069	lb ai/a			2-4"MT	A					
	DICAMBA	70	WG	0.115	lb ae/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
2	DPX-TEX26					3.5	oz/a	2-4"MT	A	99 a	99 a	99 a	3 a	0 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A					
	EXPRESS	50	SG	0.0069	lb ai/a			2-4"MT	A					
	DICAMBA	70	WG	0.115	lb ae/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A					
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A					
3	DPX-TEX26					5.25	oz/a	2-4"MT	A	99 a	99 a	99 a	27 a	0 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A					
	EXPRESS	50	SG	0.0103	lb ai/a			2-4"MT	A					
	DICAMBA	70	WG	0.173	lb ae/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
4	DPX-TEX26					5.25	oz/a	2-4"MT	A	99 a	99 a	99 a	20 a	0 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A					
	EXPRESS	50	SG	0.0103	lb ai/a			2-4"MT	A					
	DICAMBA	70	WG	0.173	lb ae/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A					
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A					
5	BASIS BLEND	30	SG			0.825	oz/a	2-4"MT	A	99 a	99 a	99 a	13 a	0 a
	RESOLVE SG	25	SG	0.0104	lb ai/a			2-4"MT	A					
	HARMONY SG	50	SG	0.005	lb ai/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
6	BASIS BLEND	30	SG			1.25	oz/a	2-4"MT	A	99 a	99 a	99 a	13 a	0 a
	RESOLVE SG	25	SG	0.0156	lb ai/a			2-4"MT	A					
	HARMONY SG	50	SG	0.0078	lb ai/a			2-4"MT	A					
	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A					
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	2-4"MT	A	99 a	99 a	99 a	0 a	0 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A					
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A					
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	2-4"MT	A	99 a	99 a	99 a	17 a	0 a
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	32	fl oz/a	2-4"MT	A					
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	2-4"MT	A					
	AMS	100	SG	2	lb/a	2	lb/a	2-4"MT	A					
9	NONTREATED									0	0	0	0	0
	LSD P=.05									.	.	.	16.7	.
	Standard Deviation									0.0	0.0	0.0	9.5	0.0
	CV									0.0	0.0	0.0	73.88	0.0
	Replicate F									0.000	0.000	0.000	0.320	0.000
	Replicate Prob(F)									1.0000	1.0000	1.0000	0.7311	1.0000
	Treatment F									0.000	0.000	0.000	2.451	0.000
	Treatment Prob(F)									1.0000	1.0000	1.0000	0.0727	1.0000

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Could not calculate LSD (% mean diff) for columns 15,16,9,11,13,6,8,10,14 because error mean square = 0.

SU/Dicamba Blend (DPX-TEX26) Applied in Spring for Burndown and Residual Control of Winter Annuals.

Trial ID: 16-DSO-DPX-002 Location: De Soto, IL Trial Year: 2016
Investigator: Karla L. Gage, Ph.D.

Trial Comments

1. Protocol: DuPont (USA-16-002).
2. Ratings:
   CI 14 + 28 DAP.
   WC 14 and 28 DA-A, 0 DAP (prior to blanket), and 14 + 28 DAP.
3. Yield not requested, plots may be mowed or oversprayed after the 28 DAP rating.
4. Blanket PRE burndown application at planting either paraquat or glufosinate, was Gramoxone 2.0 SL (2.5 pt/A) plus Prime Oil COC (1%) applied on 5-7-16 just before planting. Fertilize corn at planting or soon after, was 150 lb/A nitrogen as urea just after planting.
5. Wait at least 14 days after application before planting corn.
6. Report data by July 31, include brand names for COC + MSO in comments.
   COC was Prime Oil COC from Winfield Solutions.
   MSO was MSO Ultra from Custom Agricultural Formulators.
7. Rainfall following the 2-4"MT application was 1.76 inch over 2 days beginning 6 days later.
8. Corn emerged 5-13-16, no visible crop injury at any time.
9. Weed control ratings at 28 DA-A are also 5 days after the blanket Gramoxone application.
10. On 5-12-16 at 28 DA-A, which is also 5 days after the blanket Gramoxone application, there was complete control of marestail and no new waterhemp emergence in any plots. However by 5-21-16 after considerable rainfall there was new emergence of waterhemp in all plots with only minimal residual control in some plots.
11. ERICA-HR = Herbicide-resistant marestail (glyphosate).
    AMATA-HR = Herbicide-resistant waterhemp (glyphosate).
12. Not harvested.