WEED CONTRL IN CORN WITH DIMETHENAMID-P COMBINATIONS, 2010

Trial ID: C2110 Protocol ID: C2110
Location: Campus, C-25 Study Director: Andy Chomas
Project ID: Investigator: Wesley Everman

General Trial Information

Study Director: Andy Chomas
Investigator: Wesley Everman

Personnel

Study Director: Andy Chomas
Investigator: Wesley Everman

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: DKC 46-61
BBCH Scale: BCOR **Planting Date:** May-6-10
Rate, Unit: 30000 S/A
Row Spacing, Unit: 30 IN

Site and Design

Plot Width, Unit: 10 FT **Site Type:** FIELD field
Plot Length, Unit: 35 FT
Plot Area, Unit: 350 FT2 **Tillage Type:** CONTIL conventional-till
Replications: 3 **Study Design:** RACOBL Randomized Complete Block (RCB)

Trial Initiation Comments:
Fall Chisel, Spring Field Cultivate X2

Soil Description

% OM: 3.4 **Texture:** L loam
pH: 5.8
Analyzed By:
300 lbs/A 46-0-0, 125 lbs/A 19-19-19 in Row

Application Description

	A
Application Date:	May-6-10
Time of Day:	11:30 am
Application Method:	SPRAY
Application Timing:	PRE
Application Placement:	BROADC
Air Temperature, Unit:	61 F
% Relative Humidity:	56
Wind Velocity, Unit:	4.5 MPH
Wind Direction:	W
Soil Temperature, Unit:	59 F
Soil Moisture:	3
% Cloud Cover:	80

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	ZEAMX BCOR

Application Equipment

Equipment Type:	CUB
Operating Pressure, Unit:	30 PSI
Nozzle Type:	FF
Nozzle Size:	8003
Nozzle Spacing, Unit:	20 IN
Boom Length, Unit:	100 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH
Carrier:	WATER
Spray Volume, Unit:	20 gal/ac
Mix Size, Unit:	1 gallons

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Growth Stage	1	2	3	4	5	6	7	8
	Pest Type												W Weed	W Weed
	Pest Code												ANGR	CHEAL
	Crop Code						ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX		
	Rating Date						May-26-10	May-26-10	May-27-10	May-27-10	May-27-10	May-27-10	May-27-10	May-27-10
	Rating Type						count	count	injury	inury	injury	injury	control	control
	Rating Unit						number	number	%	%	%	%	%	%
	Trt-Eval Interval						20 DAPRE	20 DAPRE	21 DAPRE	21 DAPRE	21 DAPRE	21 DAPRE	21 DAPRE	21 DAPRE
1	Non-Treated						55	50	0	0	0	0	0	0
2	Outlook	6	L	9	fl oz/a	PRE	53	51	2	0	0	2	99	99
3	Outlook	6	L	18	fl oz/a	PRE	53	51	2	0	0	2	100	100
4	BAS 94461H	85	DF	0.693	oz/a	PRE	55	51	2	0	0	2	97	95
5	BAS 94461H	85	DF	1.05	oz/a	PRE	52	51	3	0	0	3	95	100
6	BAS 94461H	85	DF	1.58	oz/a	PRE	53	53	0	0	0	0	99	99
7	BAS 94461H	85	DF	2.1	oz/a	PRE	52	52	0	0	0	0	99	100
8	BAS 94461H	85	DF	2.64	oz/a	PRE	52	49	0	0	0	0	99	100
9	BAS 820AAH	3.6	L	4	fl oz/a	PRE	53	50	3	0	0	3	98	100
10	Outlook	6	L	9	fl oz/a	PRE	52	48	2	0	0	2	99	100
10	BAS 94461H	85	DF	0.69	oz/a	PRE								
11	Outlook	6	L	9	fl oz/a	PRE	51	53	2	0	0	2	99	100
11	BAS 94461H	85	DF	0.873	oz/a	PRE								
12	Outlook	6	L	9	fl oz/a	PRE	52	54	3	2	0	3	99	100
12	BAS 94461H	85	DF	1.05	oz/a	PRE								
13	Outlook	6	L	9	fl oz/a	PRE	52	51	8	5	0	3	100	100
13	BAS 94461H	85	DF	1.32	oz/a	PRE								
14	Harness	7	L	40	fl oz/a	PRE	50	50	2	0	0	2	100	100
15	Prowl H2O	3.8	L	40	fl oz/a	PRE	52	51	7	0	0	7	97	100
16	Dual II Magnum	7.64	L	1.3	pt/a	PRE	53	51	2	0	0	2	99	100
	LSD (P=.05)						4.3	4.6	6.0	2.5	0.0	5.7	3.1	2.2
	Standard Deviation						2.6	2.8	3.6	1.5	0.0	3.4	1.8	1.3
	CV						4.9	5.47	157.88	354.96	0.0	172.32	1.98	1.4

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Growth Stage	9	10	11	12	13	14	15	16
	Pest Type						W Weed	W Weed	W Weed		W Weed	W Weed	W Weed	W Weed
	Pest Code						AMARE	AMBEL	ABUTH		ANGR	CHEAL	AMARE	AMBEL
	Crop Code									ZEAMX				
	Rating Date						May-27-10	May-27-10	May-27-10	Jun-17-10	Jun-17-10	Jun-17-10	Jun-17-10	Jun-17-10
	Rating Type						control	control	control	injury	control	control	control	control
	Rating Unit						%	%	%	%	%	%	%	%
	Trt-Eval Interval						21 DAPRE	21 DAPRE	21 DAPRE	42 DAPRE	42 DAPRE	42 DAPRE	42 DAPRE	42 DAPRE
1	Non-Treated						0	0	0	0	0	0	0	0
2	Outlook	6	L	9	fl oz/a	PRE	100	58	88	0	97	77	98	27
3	Outlook	6	L	18	fl oz/a	PRE	100	70	92	0	98	82	100	72
4	BAS 94461H	85	DF	0.693	oz/a	PRE	100	55	83	0	85	82	93	7
5	BAS 94461H	85	DF	1.05	oz/a	PRE	100	65	85	0	82	82	100	22
6	BAS 94461H	85	DF	1.58	oz/a	PRE	100	70	98	0	92	83	98	60
7	BAS 94461H	85	DF	2.1	oz/a	PRE	100	80	98	0	91	85	100	78
8	BAS 94461H	85	DF	2.64	oz/a	PRE	100	87	97	0	98	97	100	93
9	BAS 820AAH	3.6	L	4	fl oz/a	PRE	100	77	93	0	77	93	100	80
10	Outlook	6	L	9	fl oz/a	PRE	100	67	91	0	95	80	100	60
10	BAS 94461H	85	DF	0.69	oz/a	PRE								
11	Outlook	6	L	9	fl oz/a	PRE	100	72	87	0	99	92	100	63
11	BAS 94461H	85	DF	0.873	oz/a	PRE								
12	Outlook	6	L	9	fl oz/a	PRE	100	78	90	0	96	92	100	72
12	BAS 94461H	85	DF	1.05	oz/a	PRE								
13	Outlook	6	L	9	fl oz/a	PRE	100	81	96	0	97	93	100	82
13	BAS 94461H	85	DF	1.32	oz/a	PRE								
14	Harness	7	L	40	fl oz/a	PRE	100	89	85	0	99	98	100	96
15	Prowl H2O	3.8	L	40	fl oz/a	PRE	100	62	73	0	73	92	80	8
16	Dual II Magnum	7.64	L	1.3	pt/a	PRE	100	77	77	0	99	82	100	43
	LSD (P=.05)						0.0	18.6	11.8	0.0	10.1	9.6	7.4	23.7
	Standard Deviation						0.0	11.2	7.1	0.0	6.1	5.7	4.4	14.2
	CV						0.0	16.47	8.51	0.0	7.03	7.02	4.83	26.36

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Growth Stage	17	18	19	20	21	22
	Pest Type						W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
	Pest Code						ABUTH	ANGR	CHEAL	AMARE	AMBEL	ABUTH
	Crop Code											
	Rating Date						Jun-17-10	Jun-30-10	Jun-30-10	Jun-30-10	Jun-30-10	Jun-30-10
	Rating Type						control	control	control	control	control	control
	Rating Unit						%	%	%	%	%	%
	Trt-Eval Interval						42 DAPRE	55 DAPRE	55 DAPRE	55 DAPRE	55 DAPRE	55 DAPRE
1	Non-Treated						0	0	0	0	0	0
2	Outlook	6	L	9	fl oz/a	PRE	63	97	72	100	3	63
3	Outlook	6	L	18	fl oz/a	PRE	75	98	82	100	30	71
4	BAS 94461H	85	DF	0.693	oz/a	PRE	62	70	67	95	3	68
5	BAS 94461H	85	DF	1.05	oz/a	PRE	67	75	77	98	10	80
6	BAS 94461H	85	DF	1.58	oz/a	PRE	75	78	80	100	32	87
7	BAS 94461H	85	DF	2.1	oz/a	PRE	88	93	87	100	68	100
8	BAS 94461H	85	DF	2.64	oz/a	PRE	92	91	95	100	89	93
9	BAS 820AAH	3.6	L	4	fl oz/a	PRE	77	82	92	100	62	82
10	Outlook	6	L	9	fl oz/a	PRE	70	94	78	100	39	70
10	BAS 94461H	85	DF	0.69	oz/a	PRE						
11	Outlook	6	L	9	fl oz/a	PRE	67	97	85	100	30	67
11	BAS 94461H	85	DF	0.873	oz/a	PRE						
12	Outlook	6	L	9	fl oz/a	PRE	69	96	92	100	50	70
12	BAS 94461H	85	DF	1.05	oz/a	PRE						
13	Outlook	6	L	9	fl oz/a	PRE	78	96	87	100	74	87
13	BAS 94461H	85	DF	1.32	oz/a	PRE						
14	Harness	7	L	40	fl oz/a	PRE	72	97	97	100	97	70
15	Prowl H2O	3.8	L	40	fl oz/a	PRE	70	70	88	85	0	85
16	Dual II Magnum	7.64	L	1.3	pt/a	PRE	60	98	85	100	10	53
	LSD (P=.05)						7.5	7.0	29.0	9.9	26.5	16.7
	Standard Deviation						4.5	4.2	17.4	6.0	15.9	10.0
	CV						6.66	5.07	22.04	6.45	42.52	14.02