

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH KIH-485 PREEMERGENCE, 2008

Trial ID: C1208
Conducted: CAMPUS

Study Dir.:
Investigator: Wesley Everman

Date Planted: 5/5/08 Row Spacing: 30 IN
Variety: DKC 46-60 No. of Reps: 3
Population: 29,000 S/A % OM: 3.4
Soil Type: Clay Loam pH: 6.6
Plot Size: 10 X 35 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall Chisel, Spring Field Cultivation X2
Fertilizer: 300lbs/A 46-0-0 Broadcast. 125lbs/A 19-19-19 in Row at Planting.

Crop Code Common Name
1. ZEAMX CORN, FIELD

Application Description

A
Application Timing: PRE
Date Treated: 5/5/08
Time Treated: 8:00 PM
% Cloud Cover: 45
Air Temp., Unit: 69 F
% Relative Humidity: 25
Wind Speed/Unit/Dir: 4 mph W
Soil Temp., Unit: 67 F
Soil/Leaf Surface M: 5 5
Soil Moist (1=w 5=d): 4

Crop Stage at Each Application

A
Crop Name: ZEAMX

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Nozzle Width	Boom Width	GPA	Carrier	PSI
A	CUB	3.5	FF	8003	18"	20"	100"	20	H2O		30

Comments: ENTIRE STUDY RECEIVED 2,4-D AMINE AT 1 PINT/AC ON JUNE 5, 2008.

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Weed Code								anгр	cheal	amare	ambel	abuth	
Crop Code								ZEAMX					
Rating Data Type								injury	control	control	control	control	
Rating Unit								percent	percent	percent	percent	percent	
Rating Date								6/4/08	6/4/08	6/4/08	6/4/08	6/4/08	
Trt-Eval Interval								30 DAPRE	30 DAPRE	30 DAPRE	30 DAPRE	30 DAPRE	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6	
1	Non-Treated						0	0	0	0	0	0	
2	KIH-485	85	WG	1.18	oz ai/a	PRE	0	55	30	97	23	52	
3	KIH-485	85	WG	1.78	oz ai/a	PRE	3	62	45	100	30	53	
4	KIH-485	85	WG	2.37	oz ai/a	PRE	0	68	58	100	40	55	
5	KIH-485	85	WG	2.98	oz ai/a	PRE	0	72	65	100	52	65	
6	Dual II Magnum	7.64	L	1.33	pt/a	PRE	0	90	45	100	7	37	
7	Harness	7	L	1.52	pt/a	PRE	0	90	63	100	53	50	
8	Outlook	6	L	18	fl oz/a	PRE	0	93	62	100	47	40	
LSD (P=.05)							1.6	7.4	11.1	3.6	11.6	24.5	
Standard Deviation							0.9	4.2	6.4	2.0	6.6	14.0	
CV							266.93	6.41	13.85	2.34	21.13	31.87	

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Weed Code	angr	angr
Crop Code		
Rating Data Type	control	control
Rating Unit	percent	percent
Rating Date	6/19/08	7/1/08
Trt-Eval Interval	45 DAPRE	57 DAPRE

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	7	8
1	Non-Treated						0	0
2	KIH-485	85	WG	1.18	oz ai/a	PRE	61	50
3	KIH-485	85	WG	1.78	oz ai/a	PRE	72	67
4	KIH-485	85	WG	2.37	oz ai/a	PRE	75	72
5	KIH-485	85	WG	2.98	oz ai/a	PRE	77	74
6	Dual II Magnum	7.64	L	1.33	pt/a	PRE	80	72
7	Harness	7	L	1.52	pt/a	PRE	89	87
8	Outlook	6	L	18	fl oz/a	PRE	95	88
LSD (P=.05)							6.3	13.1
Standard Deviation							3.6	7.5
CV							5.26	11.76