

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH KIH-485, 2007

Trial ID: C0807
Conducted: CAMPUS

Study Dir.:
Investigator: James Kells

Date Planted: 5/7/07	Row Spacing: 30 IN
Variety: DKC 48-53	No. of Reps: 4
Population: 30,000 S/A	% OM: 3.2
Soil Type: Sandy Loam	pH: 6.5
Plot Size: 10 X 35 FT	Design: RANDOMIZED COMPLETE BLOCK

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

Application Description

A

Application Timing: PRE
Date Treated: 5/7/07
Time Treated: 8:15PM
% Cloud Cover: 30
Air Temp., Unit: 72 F
% Relative Humidity: 33
Wind Speed/Unit/Dir: 5 mph SE
Soil Temp., Unit: 61 F
Soil/Leaf Surface M: 5 5
Soil Moist (1=w 5=d): 5

Application Equipment

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

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Weed Code		ANGR		ABUTH		ZEAMX		ANGR		CHEAL		AMARE		ABUTH		ZEAMX		
Crop Code		control		control		injury		control		control		control		control		injury		
Rating Data Type		percent		percent		percent		percent		percent		percent		percent		percent		
Rating Unit		5/21/07		5/21/07		5/29/07		5/29/07		5/29/07		5/29/07		5/29/07		6/11/07		
Rating Date		14 DPRE		14 DPRE		22 DPRE		22 DAPRE		22 DAPRE		22 DAPRE		22 DAPRE		35 DAPRE		
Trt-Eval Interval																		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	1	2	3	4	5	6	7	8				
1	Untreated						0	0	0	0	0	0	0	0				
2	KIH-485	85	WG	1.79	oz ai/a	PRE	100	95	0	98	97	100	95	0				
3	KIH-485	85	WG	2.37	oz ai/a	PRE	100	99	0	100	99	100	97	0				
4	KIH-485	85	WG	2.98	oz ai/a	PRE	100	100	0	100	100	100	99	0				
5	KIH-485	85	WG	3.57	oz ai/a	PRE	100	98	0	100	100	100	99	0				
6	KIH-485	85	WG	4.7	oz ai/a	PRE	100	99	0	100	100	100	100	0				
7	Dual II Magnum	7.64	L	1.33	pt/a	PRE	100	83	0	100	95	100	81	0				
8	Harness	7	L	1.8	pt/a	PRE	100	85	0	100	100	100	89	0				
LSD (P=.05)							0.6	7.3	0.0	0.9	2.7	0.0	5.2	0.0				
Standard Deviation							0.4	4.9	0.0	0.6	1.8	0.0	3.5	0.0				
CV							0.47	5.99	0.0	0.71	2.11	0.0	4.27	0.0				

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Weed Code		ANGR	CHEAL	AMARE	ABUTH
Crop Code					
Rating Data Type		control	control	control	control
Rating Unit		percent	percent	percent	percent
Rating Date		6/11/07	6/11/07	6/11/07	6/11/07
Trt-Eval Interval		35 DAPRE	35 DAPRE	35 DAPRE	35 DAPRE

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	9	10	11	12
1	Untreated						0	0	0	0
2	KIH-485	85	WG	1.79	oz ai/a	PRE	95	68	100	76
3	KIH-485	85	WG	2.37	oz ai/a	PRE	98	76	100	83
4	KIH-485	85	WG	2.98	oz ai/a	PRE	100	87	100	93
5	KIH-485	85	WG	3.57	oz ai/a	PRE	98	87	100	89
6	KIH-485	85	WG	4.7	oz ai/a	PRE	100	95	100	100
7	Dual II Magnum	7.64	L	1.33	pt/a	PRE	99	61	100	55
8	Harness	7	L	1.8	pt/a	PRE	98	83	100	64
LSD (P=.05)							3.6	6.0	0.0	8.0
Standard Deviation							2.5	4.1	0.0	5.4
CV							2.85	5.89	0.0	7.74