

MSU Weed Science Research Program

TIMING OF CORN REPLANT FOLLOWING CLETHODIM APPLICATION, 2007

Trial ID: C1407
 Conducted: CAMPUS

Study Dir.:
 Investigator: James Kells

Date Planted: 5/4/07 **Row Spacing:** 30 IN
Variety: DKC 52-59 **No. of Reps:** 4
Population: 30,000 S/A **% OM:** 2.0
Soil Type: Sandy Loam **pH:** 7.3
Plot Size: 10 X 35 FT **Design:** RANDOMIZED COMPLETE BLOCK

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

Application Description

	A	B	C	D	E
Application Timing:	10 DBPL	4 DBPL	0 DBPL	MP	
Date Treated:	5/4/07	5/10/07	5/14/07	6/15/07	
Time Treated:	7:00PM	10:20AM	8:30AM	11:15AM	
% Cloud Cover:	85	0	90	40	
Air Temp., Unit:	70 F	73 F	54 F	84 F	
% Relative Humidity:	35	48	55	35	
Wind Speed/Unit/Dir:	7 mph E	0 mph	3 mph SE	2 mph SE	
Soil Temp., Unit:	60 F	63 F	51 F	80 F	
Soil/Leaf Surface M:	5 5	4 4	5 5	5 5	
Soil Moist (1=w 5=d):	3	5	3	5	

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A	CUB	3.5	FF	8003	18"	20"	100"	20	H2O	30
B	BKPK	3.5	FF	8003	18"	20"	100"	20	H2O	30
C	CUB	3.5	FF	8003	18"	20"	100"	20	H2O	30
D	CUB	3.5	FF	8003	25"	20"	100"	20	H2O	30

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Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

ZEAMX ZEAMX ZEAMX Zeamx
 injury injury injury yield
 percent percent percent bu/ac
 5/29/07 6/4/07 6/11/07 10/3/07
 14 DAP 21 DAP 28 DAP HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4
1	Harness Xtra 5.6 ENTIRE	5.6	L	2	qt/a	PRE	0	0	0	138
1	Select Max	0.97	L	0	qt/a	0 DBPL				
1	Activator 90		L	0.25	% v/v	0 DBPL				
1	Ammonium Sulfate	100	DF	2.5	lb/a	0 DBPL				
1	Roundup WeatherMax ENTIRE	4.5	L	0.75	lb ae/a	MP				
1	Ammonium Sulfate ENTIRE	100	DF	2.5	lb/a	MP				
2	Select Max	0.97	L	4	fl oz/a	0 DBPL	0	0	0	154
2	Activator 90		L	0.25	% v/v	0 DBPL				
2	Ammonium Sulfate	100	DF	2.5	lb/a	0 DBPL				
3	Select Max	0.97	L	6	fl oz/a	0 DBPL	0	0	0	166
3	Activator 90		L	0.25	% v/v	0 DBPL				
3	Ammonium Sulfate	100	DF	2.5	lb/a	0 DBPL				
4	Select Max	0.97	L	8	fl oz/a	0 DBPL	0	0	0	149
4	Activator 90		L	0.25	% v/v	0 DBPL				
4	Ammonium Sulfate	100	DF	2.5	lb/a	0 DBPL				
5	Select Max	0.97	L	4	fl oz/a	4 DBPL	0	0	0	168
5	Activator 90		L	0.25	% v/v	4 DBPL				
5	Ammonium Sulfate	100	DF	2.5	lb/a	4 DBPL				
6	Select Max	0.97	L	6	fl oz/a	4 DBPL	0	0	0	149
6	Activator 90		L	0.25	% v/v	4 DBPL				
6	Ammonium Sulfate	100	DF	2.5	lb/a	4 DBPL				
7	Select Max	0.97	L	8	fl oz/a	4 DBPL	0	0	0	149
7	Activator 90		L	0.25	% v/v	4 DBPL				
7	Ammonium Sulfate	100	DF	2.5	lb/a	4 DBPL				
8	Select Max	0.97	L	4	fl oz/a	10 DBPL	0	0	0	169
8	Activator 90		L	0.25	% v/v	10 DBPL				
8	Ammonium Sulfate	100	DF	2.5	lb/a	10 DBPL				
9	Select Max	0.97	L	6	fl oz/a	10 DBPL	0	0	0	157
9	Activator 90		L	0.25	% v/v	10 DBPL				
9	Ammonium Sulfate	100	DF	2.5	lb/a	10 DBPL				
10	Select Max	0.97	L	8	fl oz/a	10 DBPL	0	0	0	154
10	Activator 90		L	0.25	% v/v	10 DBPL				
10	Ammonium Sulfate	100	DF	2.5	lb/a	10 DBPL				
LSD (P=.05)							0.0	0.0	0.0	25.1
Standard Deviation							0.0	0.0	0.0	17.3
CV							0.0	0.0	0.0	11.12