

MSU Weed Science Research Program

POSTEMERGENCE TIMING IN HERBICIDE RESISTANT CORN, 2008

Trial ID: C0308
 Conducted: CAMPUS

Study Dir.:
 Investigator: Wesley Everman

Date Planted: 5/5/08 **Row Spacing:** 30 IN
Variety: Pioneer 37Y14 **No. of Reps:** 3
Population: 30,000 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 and Weed Description

Weed	Code	Common Name	Scientific Name
1.	ANGR	Annual Grass	
2.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMARE	PIGWEEED, REDROOT	AMARANTHUS RETROFLEXUS L.
4.	AMBEL	RAGWEEED, COMMON	AMBROSIA ELATIOR L.
5.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
Crop	Code	Common Name	
1.	ZEAMX	CORN, FIELD	

Application Description

	A	B	C	D
Application Timing:	PRE	6" Weeds	9" Weeds	12" Weeds
Date Treated:	5/5/08	6/11/08	6/13/08	6/16/08
Time Treated:	11:45 AM	10:00 AM	10:50 AM	10:40 AM
% Cloud Cover:	100	20	100	10
Air Temp., Unit:	65 F	79 F	74 F	74 F
% Relative Humidity:	24	68	82	50
Wind Speed/Unit/Dir:	7 mph SW	7 mph SW	7 mph SW	8 mph W
Soil Temp., Unit:	59 F	65 F	64 F	64 F
Soil/Leaf Surface M:	5 5	5 5	5 4	5 5
Soil Moist (1=w 5=d):	4	2	2	4

Crop Stage at Each Application

	A	B	C	D
Crop Name:	ZEAMX	ZEAMX	ZEAMX	ZEAMX
Height (In.):		11-13(12)	13-16(15)	17-20(18)
Stage (L):		V4-5(5)7L	(V5)8L	V5-6(6)8L

Weed Stage at Each Application

	A	B	C	D
Weed 1 Name:	ANGR	ANGR	ANGR	ANGR
Height (In.):		.5-10(6)	.5-14(12)	.5-15(14)
Stage (L):		3-5(5)	2-10(8)	2-7(6)
Weed 2 Name:	CHEAL	CHEAL	CHEAL	CHEAL
Height (In.):		.5-9(6)	.5-12(10)	.5-16(13)
Stage (L):		3-13(6)	2-20(16)	2-18(14)
Weed 3 Name:	AMARE	AMARE	AMARE	AMARE
Height (In.):		.5-10(7)	.5-10(9)	.5-17(14)
Stage (L):		2-26(9)	2-16(10)	2-20(14)
Weed 4 Name:	AMBEL	AMBEL	AMBEL	AMBEL
Height (In.):		.5-8(4)	.5-11(8)	.5-15(12)
Stage (L):		4-8(6)	2-10(8)	2-12(8)
Weed 5 Name:	ABUTH	ABUTH	ABUTH	ABUTH
Height (In.):		.5-6(3)	.5-9(8)	.5-14(11)
Stage (L):		2-6(4)	2-7(6)	2-6(5)

MSU Weed Science Research Program

POSTEMERGENCE TIMING IN HERBICIDE RESISTANT CORN, 2008

Trial ID: C0308
 Conducted: CAMPUS

Study Dir.:
 Investigator: Wesley Everman

Weed Density (plants/sq. ft.)

	1	2
Date:	5/5/08	6/11/08
Weed Name:	ANGR	ANGR
Density:	14	
Date:	5/5/08	6/11/08
Weed Name:	CHEAL	CHEAL
Density:	26	
Date:	5/5/08	6/11/08
Weed Name:	AMARE	AMARE
Density:	1	
Date:	5/5/08	6/11/08
Weed Name:	AMBEL	AMBEL
Density:	10	
Date:	5/5/08	6/11/08
Weed Name:	ABUTH	ABUTH
Density:	0	

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
B	CUB	3.5	FF	8003	26"	20"	100"	20	H2O	30
C	CUB	3.5	FF	8003	27"	20"	100"	20	H2O	30
D	CUB	3.5	FF	8003	29"	20"	100"	20	H2O	30

MSU Weed Science Research Program

POSTEMERGENCE TIMING IN HERBICIDE RESISTANT CORN, 2008

Trial ID: C0308
 Conducted: CAMPUS

Study Dir.:
 Investigator: Wesley Everman

Weed Code							angr	cheal	amare	ambel	abuth	
Crop Code							ZEAMX					
Rating Data Type							injury	control	control	control	control	
Rating Unit							percent	percent	percent	percent	percent	
Rating Date							6/26/08	6/26/08	6/26/08	6/26/08	6/26/08	
Trt-Eval Interval							10 DALP	10 DALP	10 DALP	10 DALP	10 DALP	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6
1	Weed Free						0	100	100	100	100	100
2	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	0	99	97	100	96	99
2	Ammonium Sulfate		DF	2	% w/w	6 IN WDS						
3	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS	0	99	97	100	100	99
3	Ammonium Sulfate		DF	2	% w/w	9 IN WDS						
4	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD	0	94	82	100	95	100
4	Ammonium Sulfate		DF	2	% w/w	12 IN WD						
5	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	0	99	100	100	100	100
5	Harness Xtra 5.6	5.6	L	1.0	qt/a	6 IN WDS						
5	Ammonium Sulfate		DF	2	% w/w	6 IN WDS						
6	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS	0	98	98	100	100	100
6	Harness Xtra 5.6	5.6	L	1.0	qt/a	9 IN WDS						
6	Ammonium Sulfate		DF	2	% w/w	9 IN WDS						
7	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD	0	90	78	100	93	100
7	Harness Xtra 5.6	5.6	L	1.0	qt/a	12 IN WD						
7	Ammonium Sulfate		DF	2	% w/w	12 IN WD						
8	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	0	99	100	100	94	100
8	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS						
8	Ammonium Sulfate		DF	2	% w/w	6 IN WDS						
9	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	0	99	100	100	97	100
9	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS						
9	Ammonium Sulfate		DF	2	% w/w	9 IN WDS						
10	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	0	99	98	100	93	96
10	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD						
10	Ammonium Sulfate		DF	2	% w/w	12 IN WD						
11	Weedy						0	0	0	0	0	0
12	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	0	97	89	100	92	96
12	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS						
13	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS	0	97	79	100	92	95
13	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS						
14	Liberty	1.67	L	0.42	lb ae/a	12 IN WD	0	92	87	100	100	100
14	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD						
15	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	0	99	100	100	100	100
15	Harness Xtra 5.6	5.6	L	1.0	qt/a	6 IN WDS						
15	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS						
16	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS	0	98	97	100	100	96
16	Harness Xtra 5.6	5.6	L	1.0	qt/a	9 IN WDS						
16	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS						

MSU Weed Science Research Program

POSTEMERGENCE TIMING IN HERBICIDE RESISTANT CORN, 2008

Trial ID: C0308
 Conducted: CAMPUS

Study Dir.:
 Investigator: Wesley Everman

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							6/26/08	6/26/08	6/26/08	6/26/08	6/26/08	
Trt-Eval Interval							10 DALP	10 DALP	10 DALP	10 DALP	10 DALP	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	1	2	3	4	5	6
17	Liberty	1.67	L	0.42	lb ae/a	12 IN WD	0	94	91	100	99	100
17	Harness Xtra 5.6	5.6	L	1.0	qt/a	12 IN WD						
17	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD						
18	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	0	99	99	100	96	97
18	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS						
18	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS						
19	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	0	99	100	100	99	97
19	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS						
19	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS						
20	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	0	97	95	100	99	98
20	Liberty	1.67	L	0.42	lb ae/a	12 IN WD						
20	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD						
21	Lexar	3.7	L	3	qt/a	PRE	0	88	100	100	92	97
22	Lexar	3.7	L	3	qt/a	6 IN WDS	2	74	100	100	100	100
22	Herbimax		L	1	% v/v	6 IN WDS						
23	Lexar	3.7	L	3	qt/a	9 IN WDS	5	69	99	100	100	100
23	Herbimax		L	1	% v/v	9 IN WDS						
24	Lexar	3.7	L	3	qt/a	12 IN WD	3	68	73	90	95	97
24	Herbimax		L	1	% v/v	12 IN WD						
25	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	0	100	100	100	100	100
25	Ammonium Sulfate		DF	2	% w/w	6 IN WDS						
25	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD						
25	Ammonium Sulfate		DF	2	% w/w	12 IN WD						
26	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	0	100	99	100	100	99
26	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS						
26	Liberty	1.67	L	0.42	lb ae/a	12 IN WD						
26	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD						
LSD (P=.05)							2.5	6.3	4.1	5.6	5.1	4.9
Standard Deviation							1.5	3.8	2.5	3.4	3.1	2.9
CV							383.29	4.2	2.77	3.55	3.3	3.1

MSU Weed Science Research Program

POSTEMERGENCE TIMING IN HERBICIDICDE RESISITANT CORN, 2008

Trial ID: C0308
 Conducted: CAMPUS

Study Dir.:
 Investigator: Wesley Everman

Weed Code							angr	cheal	amare	ambel	abuth
Crop Code											
Rating Data Type							control	control	control	control	control
Rating Unit							percent	percent	percent	percent	percent
Rating Date							7/16/08	7/16/08	7/16/08	7/16/08	7/16/08
Trt-Eval Interval							30 DALP	30 DALP	30 DALP	30 DALP	30 DALP
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	7	8	9	10	11
1	Weed Free						100	100	100	100	100
2	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	98	98	100	84	95
2	Ammonium Sulfate		DF	2	% w/w	6 IN WDS					
3	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS	98	96	100	95	100
3	Ammonium Sulfate		DF	2	% w/w	9 IN WDS					
4	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD	97	97	100	100	99
4	Ammonium Sulfate		DF	2	% w/w	12 IN WD					
5	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	98	99	100	99	100
5	Harness Xtra 5.6	5.6	L	1.0	qt/a	6 IN WDS					
5	Ammonium Sulfate		DF	2	% w/w	6 IN WDS					
6	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS	97	100	100	99	98
6	Harness Xtra 5.6	5.6	L	1.0	qt/a	9 IN WDS					
6	Ammonium Sulfate		DF	2	% w/w	9 IN WDS					
7	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD	98	99	100	100	100
7	Harness Xtra 5.6	5.6	L	1.0	qt/a	12 IN WD					
7	Ammonium Sulfate		DF	2	% w/w	12 IN WD					
8	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	98	99	100	94	99
8	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS					
8	Ammonium Sulfate		DF	2	% w/w	6 IN WDS					
9	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	98	98	100	97	100
9	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS					
9	Ammonium Sulfate		DF	2	% w/w	9 IN WDS					
10	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	98	99	100	100	100
10	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD					
10	Ammonium Sulfate		DF	2	% w/w	12 IN WD					
11	Weedy						0	0	0	0	0
12	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	95	81	98	86	95
12	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS					
13	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS	93	66	87	76	70
13	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS					
14	Liberty	1.67	L	0.42	lb ae/a	12 IN WD	95	70	100	95	97
14	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD					
15	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	98	98	100	100	100
15	Harness Xtra 5.6	5.6	L	1.0	qt/a	6 IN WDS					
15	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS					
16	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS	97	96	99	100	97
16	Harness Xtra 5.6	5.6	L	1.0	qt/a	9 IN WDS					
16	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS					

MSU Weed Science Research Program

POSTEMERGENCE TIMING IN HERBICIDE RESISTANT CORN, 2008

Trial ID: C0308
 Conducted: CAMPUS

Study Dir.:
 Investigator: Wesley Everman

Weed Code						angr	cheal	amare	ambel	abuth
Crop Code										
Rating Data Type						control	control	control	control	control
Rating Unit						percent	percent	percent	percent	percent
Rating Date						7/16/08	7/16/08	7/16/08	7/16/08	7/16/08
Trt-Eval Interval						30 DALP	30 DALP	30 DALP	30 DALP	30 DALP

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	7	8	9	10	11
17	Liberty	1.67	L	0.42	lb ae/a	12 IN WD	99	98	100	100	99
17	Harness Xtra 5.6	5.6	L	1.0	qt/a	12 IN WD					
17	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD					
18	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	98	97	100	92	100
18	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS					
18	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS					
19	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	97	98	100	97	92
19	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS					
19	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS					
20	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	97	90	100	97	96
20	Liberty	1.67	L	0.42	lb ae/a	12 IN WD					
20	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD					
21	Lexar	3.7	L	3	qt/a	PRE	75	99	100	100	100
22	Lexar	3.7	L	3	qt/a	6 IN WDS	43	100	100	100	100
22	Herbimax		L	1	% v/v	6 IN WDS					
23	Lexar	3.7	L	3	qt/a	9 IN WDS	30	100	100	100	100
23	Herbimax		L	1	% v/v	9 IN WDS					
24	Lexar	3.7	L	3	qt/a	12 IN WD	23	100	100	100	100
24	Herbimax		L	1	% v/v	12 IN WD					
25	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	99	100	100	100	99
25	Ammonium Sulfate		DF	2	% w/w	6 IN WDS					
25	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD					
25	Ammonium Sulfate		DF	2	% w/w	12 IN WD					
26	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	98	99	100	99	100
26	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS					
26	Liberty	1.67	L	0.42	lb ae/a	12 IN WD					
26	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD					

LSD (P=.05)	11.4	6.5	2.7	5.1	6.1
Standard Deviation	6.9	3.9	1.6	3.1	3.7
CV	8.12	4.31	1.71	3.32	3.93

MSU Weed Science Research Program

POSTEMERGENCE TIMING IN HERBICIDE RESISTANT CORN, 2008

Trial ID: C0308
 Conducted: CAMPUS

Study Dir.:
 Investigator: Wesley Everman

Weed Code
 Crop Code ZEAMX
 Rating Data Type yield
 Rating Unit bu/ac
 Rating Date 10/17/08
 Trt-Eval Interval HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Yield
1	Weed Free						213
2	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	210
2	Ammonium Sulfate		DF	2	% w/w	6 IN WDS	
3	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS	194
3	Ammonium Sulfate		DF	2	% w/w	9 IN WDS	
4	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD	191
4	Ammonium Sulfate		DF	2	% w/w	12 IN WD	
5	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	205
5	Harness Xtra 5.6	5.6	L	1.0	qt/a	6 IN WDS	
5	Ammonium Sulfate		DF	2	% w/w	6 IN WDS	
6	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS	194
6	Harness Xtra 5.6	5.6	L	1.0	qt/a	9 IN WDS	
6	Ammonium Sulfate		DF	2	% w/w	9 IN WDS	
7	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD	189
7	Harness Xtra 5.6	5.6	L	1.0	qt/a	12 IN WD	
7	Ammonium Sulfate		DF	2	% w/w	12 IN WD	
8	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	214
8	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	
8	Ammonium Sulfate		DF	2	% w/w	6 IN WDS	
9	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	218
9	Touchdown Total	4.17	L	0.75	lb ae/a	9 IN WDS	
9	Ammonium Sulfate		DF	2	% w/w	9 IN WDS	
10	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	210
10	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD	
10	Ammonium Sulfate		DF	2	% w/w	12 IN WD	
11	Weedy						39
12	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	190
12	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS	
13	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS	188
13	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS	
14	Liberty	1.67	L	0.42	lb ae/a	12 IN WD	182
14	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD	
15	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	194
15	Harness Xtra 5.6	5.6	L	1.0	qt/a	6 IN WDS	
15	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS	
16	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS	200
16	Harness Xtra 5.6	5.6	L	1.0	qt/a	9 IN WDS	
16	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS	

MSU Weed Science Research Program

POSTEMERGENCE TIMING IN HERBICIDE RESISTANT CORN, 2008

Trial ID: C0308
 Conducted: CAMPUS

Study Dir.:
 Investigator: Wesley Everman

Weed Code
 Crop Code ZEAMX
 Rating Data Type yield
 Rating Unit bu/ac
 Rating Date 10/17/08
 Trt-Eval Interval HARVEST

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	yield
17	Liberty	1.67	L	0.42	lb ae/a	12 IN WD	192
17	Harness Xtra 5.6	5.6	L	1.0	qt/a	12 IN WD	
17	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD	
18	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	221
18	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	
18	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS	
19	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	218
19	Liberty	1.67	L	0.42	lb ae/a	9 IN WDS	
19	Ammonium Sulfate		DF	8.5	lb/100 gal	9 IN WDS	
20	Harness Xtra 5.6	5.6	L	1.0	qt/a	PRE	216
20	Liberty	1.67	L	0.42	lb ae/a	12 IN WD	
20	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD	
21	Lexar	3.7	L	3	qt/a	PRE	206
22	Lexar	3.7	L	3	qt/a	6 IN WDS	188
22	Herbimax		L	1	% v/v	6 IN WDS	
23	Lexar	3.7	L	3	qt/a	9 IN WDS	166
23	Herbimax		L	1	% v/v	9 IN WDS	
24	Lexar	3.7	L	3	qt/a	12 IN WD	160
24	Herbimax		L	1	% v/v	12 IN WD	
25	Touchdown Total	4.17	L	0.75	lb ae/a	6 IN WDS	211
25	Ammonium Sulfate		DF	2	% w/w	6 IN WDS	
25	Touchdown Total	4.17	L	0.75	lb ae/a	12 IN WD	
25	Ammonium Sulfate		DF	2	% w/w	12 IN WD	
26	Liberty	1.67	L	0.42	lb ae/a	6 IN WDS	206
26	Ammonium Sulfate		DF	8.5	lb/100 gal	6 IN WDS	
26	Liberty	1.67	L	0.42	lb ae/a	12 IN WD	
26	Ammonium Sulfate		DF	8.5	lb/100 gal	12 IN WD	

LSD (P=.05) 13.2
 Standard Deviation 8.0
 CV 4.13