

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108
 Conducted: CAMPUS, FLEX

Study Dir.:
 Investigator: Wesley Everman

Date Planted: _____ **Row Spacing:** IN
Variety: _____ **No. of Reps:** 4
Population: _____ **% OM:** _____
Soil Type: _____ **pH:** _____
Plot Size: 10 X 35 FT **Design:** SPLIT-PLOT

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	ANGR-D	ANNUAL GRASS	
2.	CHEAL-D	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMBEL-D	RAGWEED, COMMON	AMBROSIA ELATIOR L.
4.	CERAR-D	CHICKWEED, FIELD	CERASTIUM ARVENSE L.
5.	TAROF-D	DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
6.	HPPVU-D	MARESTAIL, COMMON	HIPPURIS VULGARIS L.
7.	ANGR-E	ANNUAL GRASS	
8.	CHEAL-E	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
9.	AMBEL-E	RAGWEED, COMMON	AMBROSIA ELATIOR L.
10.	CERAR-E	CHICKWEED, FIELD	CERASTIUM ARVENSE L.
11.	TAROF-E	DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
12.	HPPVU-E	MARESTAIL, COMMON	HIPPURIS VULGARIS L.
13.	ANGR-F	ANNUAL GRASS	
14.	CHEAL-F	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
15.	AMBEL-F	RAGWEED, COMMON	AMBROSIA ELATIOR L.
16.	CERAR-F	CHICKWEED, FIELD	CERASTIUM ARVENSE L.
17.	TAROF-F	DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
18.	HPPVU-F	MARESTAIL, COMMON	HIPPURIS VULGARIS L.
Crop	Code	Common Name	
1.	ZEAMX-D	CORN, FIELD	
2.	ZEAMX-E	CORN, FIELD	
3.	ZEAMX-F	CORN, FIELD	

Application Description

	A	B	C	D
Application Timing:	PRE	EP	MP	LP
Date Treated:	5/5/08	5/22/08	6/2/08	6/17/08
Time Treated:	8:00 AM	4:45 AM	10:30 AM	10:00 AM
% Cloud Cover:	45	20	30	100
Air Temp., Unit:	68 F	71 F	74 F	70 F
% Relative Humidity:	26	45	45	63
Wind Speed/Unit/Dir:	4 mph W	2 mph W	7 mph W	7 mph W
Soil Temp., Unit:	60 F	65 F	64 F	60 F
Soil/Leaf Surface M:	4 5	4 5	4 5	4 5
Soil Moist (1=w 5=d):	4	4	4	4

Crop Stage at Each Application

	A	B	C	D
Crop Name:	ZEAMX-D	ZEAMX-D	ZEAMX-D	ZEAMX-D
Height (In.):			3-6(5)	13-15(14)
Stage (L):			V2-3(3)4L	V5-6(5)9L
Crop Name:	ZEAMX-E	ZEAMX-E	ZEAMX-E	ZEAMX-E
Height (In.):			3-6(5)	15-17(16)
Stage (L):			V2-3(3)4L	V5-6(5)5L
Crop Name:	ZEAMX-F	ZEAMX-F	ZEAMX-F	ZEAMX-F
Height (In.):			5-7(6)	15-17(16)
Stage (L):			V2-3(3)5L	V5-6(5)9L

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Weed Stage at Each Application

	A	B	C	D
Weed 1 Name:	ANGR-D	ANGR-D	ANGR-D	ANGR-D
Height (In.):	Sed-2(.5)	.3-2(.5)	.5-6(4)	.5-6(5)
Stage (L):	Veg	1-3(1)	2-4(4)	2-6(4)
Weed 2 Name:	CHEAL-D	CHEAL-D	CHEAL-D	CHEAL-D
Height (In.):	Sed-2(.5)	.3-2(.5)	.5-4(1.5)	.5-6(.5)
Stage (L):	Veg	2-6(4)	3-9(4)	2-12(2)
Weed 3 Name:	AMBEL-D	AMBEL-D	AMBEL-D	AMBEL-D
Height (In.):	Sed-2(1)	.3-2(1)	0.5-5(3)	.5-1(.5)
Stage (L):	Veg	cot-2(cot)	2-15(4)	2-4(2)
Weed 4 Name:	CERAR-D	CERAR-D	CERAR-D	CERAR-D
Height (In.):	Sed-7(5)	.3-7(5)	1-6(4)	.5-.5(.5)
Stage (L):	flower	flower	flower	2-2(2)
Weed 5 Name:	TAROF-D	TAROF-D	TAROF-D	TAROF-D
Height (In.):	flower	5-10	3-6(5)	.5-.5(.5)
Stage (L):	flower	flower	flower	Rossete
Weed 6 Name:	HPPVU-D	HPPVU-D	HPPVU-D	HPPVU-D
Height (In.):	Sed-6(2)	.3-6(1.5)	2-6(5)	.5-.5(.5)
Stage (L):	Veg	rosette	veg	veg
Weed 7 Name:	ANGR-E	ANGR-E	ANGR-E	ANGR-E
Height (In.):	Sed-2(.5)	.3-2(.5)	.5-6(4)	.5-6(3)
Stage (L):	Veg	1-3(1)	2-4(4)	2-6(4)
Weed 8 Name:	CHEAL-E	CHEAL-E	CHEAL-E	CHEAL-E
Height (In.):	Sed-2(.5)	.3-2(.5)	.5-4(1.5)	.5-5(1)
Stage (L):	Veg	2-6(4)	3-9(4)	2-12(6)
Weed 9 Name:	AMBEL-E	AMBEL-E	AMBEL-E	AMBEL-E
Height (In.):	Sed-2(1)	.3-2(1)	.5-5(3)	.5-3(1)
Stage (L):	Veg	cot-2(cot)	2-15(4)	2-8(6)
Weed10 Name:	CERAR-E	CERAR-E	CERAR-E	CERAR-E
Height (In.):	Sed-7(5)	.3-7(5)	1-6(4)	.5-1(.5)
Stage (L):	flower	flower	flower	2-2(2)
Weed11 Name:	TAROF-E	TAROF-E	TAROF-E	TAROF-E
Height (In.):	flower	5-10	3-6(5)	.5-1(.5)
Stage (L):	flower	flower	flower	Rosette
Weed12 Name:	HPPVU-E	HPPVU-E	HPPVU-E	HPPVU-E
Height (In.):	Sed-6(2)	.3-6(1.5)	2-6(5)	.5-.5(.5)
Stage (L):	Veg	rosette	veg	veg
Weed13 Name:	ANGR-F	ANGR-F	ANGR-F	ANGR-F
Height (In.):	Sed-.5(.5)	.3-.5(.5)	.5-5(3)	0.5-9(6)
Stage (L):	Veg	1	2-4(4)	2-8(6)
Weed14 Name:	CHEAL-F	CHEAL-F	CHEAL-F	CHEAL-F
Height (In.):	Seedling	.25	.5-2(1.5)	.5-8(5)
Stage (L):	Veg	cot	2-4(3)	2-16(10)
Weed15 Name:	AMBEL-F	AMBEL-F	AMBEL-F	AMBEL-F
Height (In.):	Seedling	.3-.5(.3)	.5-3(1.5)	.5-6(4)
Stage (L):	Veg	cot	2-6(4)	2-12(8)
Weed16 Name:	CERAR-F	CERAR-F	CERAR-F	CERAR-F
Height (In.):	Seedling	.25	1-4(2)	.5-.5(.5)
Stage (L):	Veg	Flower	flower	2-2(2)
Weed17 Name:	TAROF-F	TAROF-F	TAROF-F	TAROF-F
Height (In.):	Seedling		3-8(6)	.5-.5(.5)
Stage (L):	Veg		flower	rosette
Weed18 Name:	HPPVU-F	HPPVU-F	HPPVU-F	HPPVU-F
Height (In.):	Seedling		2-6(5)	.5-.5(.5)
Stage (L):	Veg		veg	veg

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Weed Density (plants/sq. ft.)

	1	2	3	4
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	ANGR-D	ANGR-D	ANGR-D	ANGR-D
Density:		8	5	8
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	CHEAL-D	CHEAL-D	CHEAL-D	CHEAL-D
Density:		0	0	6
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	AMBEL-D	AMBEL-D	AMBEL-D	AMBEL-D
Density:		2	2	4
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	CERAR-D	CERAR-D	CERAR-D	CERAR-D
Density:		5	5	0
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	TAROF-D	TAROF-D	TAROF-D	TAROF-D
Density:		2	0	0
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	HPPVU-D	HPPVU-D	HPPVU-D	HPPVU-D
Density:		0	0	0
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	ANGR-E	ANGR-E	ANGR-E	ANGR-E
Density:		8	9	14
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	CHEAL-E	CHEAL-E	CHEAL-E	CHEAL-E
Density:		1	3	18
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	AMBEL-E	AMBEL-E	AMBEL-E	AMBEL-E
Density:		2	4	10
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	CERAR-E	CERAR-E	CERAR-E	CERAR-E
Density:		7	3	0
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	TAROF-E	TAROF-E	TAROF-E	TAROF-E
Density:		2	0	0
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	HPPVU-E	HPPVU-E	HPPVU-E	HPPVU-E
Density:		1	1	0
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	ANGR-F	ANGR-F	ANGR-F	ANGR-F
Density:		4	2	11
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	CHEAL-F	CHEAL-F	CHEAL-F	CHEAL-F
Density:		1	2	7
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	AMBEL-F	AMBEL-F	AMBEL-F	AMBEL-E
Density:		1	4	3
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	CERAR-F	CERAR-F	CERAR-F	CERAR-F
Density:		3	0	0
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	TAROF-F	TAROF-F	TAROF-F	TAROF-F
Density:		0	0	0
Date:	5/5/08	5/22/08	6/2/08	6/17/08
Weed Name:	HPPVU-F	HPPVU-F	HPPVU-F	HPPVU-F
Density:		0	0	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	22	20	100	20	H20	30
B	CUB	3.5	FF	8003	22	20	100	20	H20	30
C	CUB	3.5	FF	8003	22	20	100	20	H20	30
D	CUB	3.5	FF	8003	22	20	100	20	H20	30

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							anгр	cheal	amare	ambel	steme	tarof	amare
							control	control	control	control	control	control	control
							percent	percent	percent	percent	percent	percent	percent
							6/20/08	6/20/08	6/20/08	6/20/08	6/20/08	6/20/08	6/20/08
							AT LP	AT LP	AT LP	AT LP	AT LP	AT LP	AT LP
Trt	Treatment	Form	Form	Rate	Grow								
No.	Name	Conc	Type	Rate	Unit	Stg	1	2	3	4	5	6	7
1	No-Till						0	0	0	0	0	0	0
1	Non-Treated												
2	No-Till						95	100	100	99	100	93	100
2	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
2	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
2	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
3	No-Till						98	100	100	100	100	96	100
3	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
3	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
3	Lexar	3.7	L	3	qt/a	EP							
4	No-Till						93	99	100	94	100	95	100
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
4	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
4	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
4	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
5	No-Till						94	100	100	100	100	85	100
5	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
5	Atrazine	4	L	1	qt/a	MP							
5	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
6	No-Till						86	93	100	83	100	100	100
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
6	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
6	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
7	No-Till						97	100	100	99	100	90	100
7	Halex GT	4.39	L	3.6	pt/a	EP							
8	Strip-Till						0	0	0	0	0	0	0
8	Non-Treated												
9	Strip-Till						96	99	100	85	100	84	86
9	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
9	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
9	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
10	Strip-Till						96	100	100	100	100	97	99
10	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
10	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
10	Lexar	3.7	L	3	qt/a	EP							
11	Strip-Till						95	100	100	80	100	91	94
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
11	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
11	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
11	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							

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							anqr	cheal	amare	ambel	steme	tarof	amare
							control	control	control	control	control	control	control
							percent	percent	percent	percent	percent	percent	percent
							6/20/08	6/20/08	6/20/08	6/20/08	6/20/08	6/20/08	6/20/08
							AT LP	AT LP	AT LP	AT LP	AT LP	AT LP	AT LP
Trt	Treatment	Form	Form	Rate	Rate	Grow							
No.	Name	Conc	Type	Rate	Unit	Stg	1	2	3	4	5	6	7
12	Strip-Till						99	100	100	99	100	95	96
12	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
12	Atrazine	4	L	1	qt/a	MP							
12	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
13	Strip-Till						88	80	100	78	100	100	100
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
13	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
13	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
14	Strip-Till						91	99	100	92	100	100	100
14	Halex GT	4.39	L	3.6	pt/a	EP							
15	Conventional-Till						0	0	0	0	0	0	0
15	Non-Treated												
16	Conventional-Till						87	98	100	79	100	96	100
16	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
17	Conventional-Till						87	100	100	100	100	100	100
17	Lexar	3.7	L	3	qt/a	EP							
18	Conventional-Till						84	95	100	70	100	95	100
18	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
18	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
18	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
19	Conventional-Till						86	100	100	100	100	100	100
19	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
19	Atrazine	4	L	1	qt/a	MP							
19	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
20	Conventional-Till						58	53	89	69	100	100	100
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
20	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
20	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
21	Conventional-Till						86	87	100	83	100	98	100
21	Halex GT	4.39	L	3.6	pt/a	EP							
LSD (P=.05)							9.5	6.8	4.1	7.6	0.0	6.8	4.8
Standard Deviation							6.7	4.8	2.9	5.4	0.0	4.8	3.4
CV							8.74	5.92	3.37	7.04	0.0	5.9	4.04

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Weed Code							anгр	cheal	amare	ambel	steme	tarof
Crop Code												
Rating Data Type							control	control	control	control	control	control
Rating Unit							percent	percent	percent	percent	percent	percent
Rating Date							7/3/08	7/3/08	7/3/08	7/3/08	7/3/08	7/3/08
Trt-Eval Interval							14 DALP	14 DALP	14 DALP	14 DALP	14 DALP	14 DALP
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	8	9	10	11	12	13
1	No-Till						0	0	0	0	0	0
1	Non-Treated											
2	No-Till						90	99	99	91	100	88
2	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
2	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
2	Harness Xtra 5.6	5.6	L	2	qt/a	PRE						
3	No-Till						95	100	100	100	100	95
3	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
3	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
3	Lexar	3.7	L	3	qt/a	EP						
4	No-Till						97	100	100	100	100	96
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
4	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
4	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE						
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
4	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
5	No-Till						84	96	100	100	100	93
5	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP						
5	Atrazine	4	L	1	qt/a	MP						
5	Ammonium Sulfate	100	DF	17	lb/100 gal	MP						
6	No-Till						98	100	100	100	100	99
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP						
6	Ammonium Sulfate	100	DF	17	lb/100 gal	EP						
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
6	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
7	No-Till						90	99	100	88	100	76
7	Halex GT	4.39	L	3.6	pt/a	EP						
8	Strip-Till						0	0	0	0	0	0
8	Non-Treated											
9	Strip-Till						90	98	100	76	100	85
9	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
9	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
9	Harness Xtra 5.6	5.6	L	2	qt/a	PRE						
10	Strip-Till						92	100	100	100	100	94
10	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
10	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
10	Lexar	3.7	L	3	qt/a	EP						
11	Strip-Till						98	100	100	100	100	92
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
11	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE						
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						

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Weed Code							anqr	cheal	amare	ambel	steme	tarof	
Crop Code													
Rating Data Type							control	control	control	control	control	control	control
Rating Unit							percent	percent	percent	percent	percent	percent	percent
Rating Date							7/3/08	7/3/08	7/3/08	7/3/08	7/3/08	7/3/08	7/3/08
Trt-Eval Interval							14 DALP	14 DALP	14 DALP	14 DALP	14 DALP	14 DALP	14 DALP
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	8	9	10	11	12	13	
12	Strip-Till						95	99	100	98	100	94	
12	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
12	Atrazine	4	L	1	qt/a	MP							
12	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
13	Strip-Till						98	100	100	98	100	99	
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
13	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
13	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
14	Strip-Till						88	98	100	90	100	98	
14	Halex GT	4.39	L	3.6	pt/a	EP							
15	Conventional-Till						0	0	0	0	0	0	
15	Non-Treated												
16	Conventional-Till						88	96	100	77	100	94	
16	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
17	Conventional-Till						76	100	100	100	100	100	
17	Lexar	3.7	L	3	qt/a	EP							
18	Conventional-Till						98	100	100	98	100	97	
18	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
18	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
18	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
19	Conventional-Till						78	99	100	90	100	96	
19	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
19	Atrazine	4	L	1	qt/a	MP							
19	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
20	Conventional-Till						99	100	100	100	100	100	
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
20	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
20	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
21	Conventional-Till						78	78	100	73	100	99	
21	Halex GT	4.39	L	3.6	pt/a	EP							
LSD (P=.05)							6.4	4.1	0.8	7.5	0.0	8.5	
Standard Deviation							4.5	2.9	0.5	5.3	0.0	6.0	
CV							5.79	3.5	0.64	6.67	0.0	7.43	

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108
 Conducted: CAMPUS, FLEX

Study Dir.:
 Investigator: Wesley Everman

Weed Code							erica	anгр	cheal	amare	ambel	steme	
Crop Code													
Rating Data Type							control	control	control	control	control	control	
Rating Unit							percent	percent	percent	percent	percent	percent	
Rating Date							7/3/08	7/17/08	7/17/08	7/17/08	7/17/08	7/17/08	
Trt-Eval Interval							14 DALP	28 DALP	28 DALP	28 DALP	28 DALP	28 DALP	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	14	15	16	17	18	19	
1	No-Till						0	0	0	0	0	0	
1	Non-Treated												
2	No-Till						100	84	100	100	93	100	
2	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
2	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
2	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
3	No-Till						100	84	100	100	100	100	
3	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
3	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
3	Lexar	3.7	L	3	qt/a	EP							
4	No-Till						100	93	100	100	97	100	
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
4	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
4	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
4	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
5	No-Till						100	77	100	100	100	100	
5	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
5	Atrazine	4	L	1	qt/a	MP							
5	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
6	No-Till						100	91	98	100	100	100	
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
6	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
6	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
7	No-Till						100	81	93	98	90	100	
7	Halex GT	4.39	L	3.6	pt/a	EP							
8	Strip-Till						0	0	0	0	0	0	
8	Non-Treated												
9	Strip-Till						83	84	94	98	73	99	
9	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
9	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
9	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
10	Strip-Till						100	86	100	100	100	100	
10	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
10	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
10	Lexar	3.7	L	3	qt/a	EP							
11	Strip-Till						100	95	100	100	98	100	
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
11	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
11	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
11	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108
 Conducted: CAMPUS, FLEX

Study Dir.:
 Investigator: Wesley Everman

Weed Code							erica	anгр	cheal	amare	ambel	steme	
Crop Code													
Rating Data Type							control	control	control	control	control	control	control
Rating Unit							percent	percent	percent	percent	percent	percent	percent
Rating Date							7/3/08	7/17/08	7/17/08	7/17/08	7/17/08	7/17/08	7/17/08
Trt-Eval Interval							14 DALP	28 DALP	28 DALP	28 DALP	28 DALP	28 DALP	28 DALP
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	14	15	16	17	18	19	
12	Strip-Till						96	88	93	100	88	100	
12	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
12	Atrazine	4	L	1	qt/a	MP							
12	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
13	Strip-Till						100	91	98	100	93	100	
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
13	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
13	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
14	Strip-Till						100	81	94	100	83	100	
14	Halex GT	4.39	L	3.6	pt/a	EP							
15	Conventional-Till						0	0	0	0	0	0	
15	Non-Treated												
16	Conventional-Till						100	79	94	100	66	100	
16	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
17	Conventional-Till						100	73	100	100	100	100	
17	Lexar	3.7	L	3	qt/a	EP							
18	Conventional-Till						100	95	100	100	100	100	
18	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
18	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
18	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
19	Conventional-Till						100	70	100	100	91	100	
19	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
19	Atrazine	4	L	1	qt/a	MP							
19	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
20	Conventional-Till						100	93	99	100	100	100	
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
20	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
20	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
21	Conventional-Till						100	68	84	99	68	100	
21	Halex GT	4.39	L	3.6	pt/a	EP							
LSD (P=.05)							6.7	9.4	7.4	2.2	9.4	0.9	
Standard Deviation							4.8	6.6	5.3	1.6	6.6	0.6	
CV							5.61	9.22	6.32	1.83	8.5	0.73	

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108

Study Dir.:

Conducted: CAMPUS, FLEX

Investigator: Wesley Everman

Weed Code							tarof	erica	anгр	cheal	amare	ambel	
Crop Code													
Rating Data Type							control	control	density	density	density	density	
Rating Unit							percent	percent	cnt/m sq	cnt/m sq	cnt/m sq	cnt/m sq	
Rating Date							7/17/08	7/17/08	7/17/08	7/17/08	7/17/08	7/17/08	
Trt-Eval Interval							28 DALP	28 DALP	28 DALP	28 DALP	28 DALP	28 DALP	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	20	21	22	23	24	25	
1	No-Till						0	0	31	3	0	18	
1	Non-Treated												
2	No-Till						84	100	8	1	0	4	
2	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
2	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
2	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
3	No-Till						90	100	6	0	0	0	
3	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
3	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
3	Lexar	3.7	L	3	qt/a	EP							
4	No-Till						99	100	14	0	0	0	
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
4	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
4	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
4	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
5	No-Till						89	100	31	0	0	3	
5	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP							
5	Atrazine	4	L	1	qt/a	MP							
5	Ammonium Sulfate	100	DF	17	lb/100 gal	MP							
6	No-Till						98	100	4	0	0	1	
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP							
6	Ammonium Sulfate	100	DF	17	lb/100 gal	EP							
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
6	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							
7	No-Till						75	100	10	1	0	3	
7	Halex GT	4.39	L	3.6	pt/a	EP							
8	Strip-Till						0	0	39	10	0	20	
8	Non-Treated												
9	Strip-Till						81	78	6	2	0	8	
9	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
9	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
9	Harness Xtra 5.6	5.6	L	2	qt/a	PRE							
10	Strip-Till						88	100	10	0	0	1	
10	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
10	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
10	Lexar	3.7	L	3	qt/a	EP							
11	Strip-Till						95	100	4	0	0	2	
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW							
11	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW							
11	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE							
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP							
11	Ammonium Sulfate	100	DF	17	lb/100 gal	LP							

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108
 Conducted: CAMPUS, FLEX

Study Dir.:
 Investigator: Wesley Everman

							tarof	erica	angr	cheal	amare	ambel
							control	control	density	density	density	density
							percent	percent	cnt/m sq	cnt/m sq	cnt/m sq	cnt/m sq
							7/17/08	7/17/08	7/17/08	7/17/08	7/17/08	7/17/08
							28 DALP	28 DALP	28 DALP	28 DALP	28 DALP	28 DALP
Trt	Treatment	Form	Form	Rate	Rate	Grow						
No.	Name	Conc	Type	Rate	Unit	Stg						
							20	21	22	23	24	25
12	Strip-Till						86	96	9	0	0	3
12	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP						
12	Atrazine	4	L	1	qt/a	MP						
12	Ammonium Sulfate	100	DF	17	lb/100 gal	MP						
13	Strip-Till						98	100	8	1	0	2
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP						
13	Ammonium Sulfate	100	DF	17	lb/100 gal	EP						
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
13	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
14	Strip-Till						93	100	13	1	0	7
14	Halex GT	4.39	L	3.6	pt/a	EP						
15	Conventional-Till						0	0	56	32	0	20
15	Non-Treated											
16	Conventional-Till						92	100	13	0	0	15
16	Harness Xtra 5.6	5.6	L	2	qt/a	PRE						
17	Conventional-Till						100	100	35	0	0	0
17	Lexar	3.7	L	3	qt/a	EP						
18	Conventional-Till						100	100	8	2	0	0
18	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE						
18	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
18	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
19	Conventional-Till						93	100	48	0	0	4
19	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP						
19	Atrazine	4	L	1	qt/a	MP						
19	Ammonium Sulfate	100	DF	17	lb/100 gal	MP						
20	Conventional-Till						98	100	10	1	0	1
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP						
20	Ammonium Sulfate	100	DF	17	lb/100 gal	EP						
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
20	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
21	Conventional-Till						99	100	26	5	0	9
21	Halex GT	4.39	L	3.6	pt/a	EP						
LSD (P=.05)							7.9	9.1	16.6	3.2	0.2	5.9
Standard Deviation							5.6	6.5	11.7	2.3	0.1	4.1
CV							7.06	7.65	63.74	82.11	916.52	73.38

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108
 Conducted: CAMPUS, FLEX

Study Dir.:
 Investigator: Wesley Everman

							steme	tarof	erica	anгр	cheal	ambel
							density	density	density	control	control	control
							cnt/m sq	cnt/m sq	cnt/m sq	percent	percent	percent
							7/17/08	7/17/08	7/17/08	8/20/08	8/20/08	8/20/08
							28 DALP	28 DALP	28 DALP			
Trt	Treatment	Form	Form	Rate	Rate	Grow						
No.	Name	Conc	Type	Rate	Unit	Stg	26	27	28	29	30	31
1	No-Till						6	8	1	0	0	0
1	Non-Treated											
2	No-Till						3	3	0	81	100	88
2	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
2	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
2	Harness Xtra 5.6	5.6	L	2	qt/a	PRE						
3	No-Till						0	2	0	79	100	100
3	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
3	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
3	Lexar	3.7	L	3	qt/a	EP						
4	No-Till						0	2	0	83	100	98
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
4	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
4	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE						
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
4	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
5	No-Till						0	4	0	60	96	100
5	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP						
5	Atrazine	4	L	1	qt/a	MP						
5	Ammonium Sulfate	100	DF	17	lb/100 gal	MP						
6	No-Till						1	1	0	89	100	100
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP						
6	Ammonium Sulfate	100	DF	17	lb/100 gal	EP						
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
6	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
7	No-Till						0	6	0	67	98	89
7	Halex GT	4.39	L	3.6	pt/a	EP						
8	Strip-Till						9	2	2	0	0	0
8	Non-Treated											
9	Strip-Till						1	2	1	89	93	74
9	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
9	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
9	Harness Xtra 5.6	5.6	L	2	qt/a	PRE						
10	Strip-Till						0	3	0	86	100	100
10	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
10	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
10	Lexar	3.7	L	3	qt/a	EP						
11	Strip-Till						0	1	0	94	100	95
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW						
11	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE						
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
11	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108
 Conducted: CAMPUS, FLEX

Study Dir.:
 Investigator: Wesley Everman

Weed Code							steme	tarof	erica	anгр	cheal	ambel
Crop Code												
Rating Data Type							density	density	density	control	control	control
Rating Unit							cnt/m sq	cnt/m sq	cnt/m sq	percent	percent	percent
Rating Date							7/17/08	7/17/08	7/17/08	8/20/08	8/20/08	8/20/08
Trt-Eval Interval							28 DALP	28 DALP	28 DALP			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	26	27	28	29	30	31
12	Strip-Till						1	2	2	81	100	93
12	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP						
12	Atrazine	4	L	1	qt/a	MP						
12	Ammonium Sulfate	100	DF	17	lb/100 gal	MP						
13	Strip-Till						1	2	0	91	99	98
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP						
13	Ammonium Sulfate	100	DF	17	lb/100 gal	EP						
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
13	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
14	Strip-Till						0	1	0	79	95	89
14	Halex GT	4.39	L	3.6	pt/a	EP						
15	Conventional-Till						3	0	0	0	0	0
15	Non-Treated											
16	Conventional-Till						0	2	0	79	94	64
16	Harness Xtra 5.6	5.6	L	2	qt/a	PRE						
17	Conventional-Till						0	6	0	58	100	98
17	Lexar	3.7	L	3	qt/a	EP						
18	Conventional-Till						0	2	0	95	100	100
18	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE						
18	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
18	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
19	Conventional-Till						0	3	0	53	99	98
19	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP						
19	Atrazine	4	L	1	qt/a	MP						
19	Ammonium Sulfate	100	DF	17	lb/100 gal	MP						
20	Conventional-Till						0	5	0	94	98	99
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP						
20	Ammonium Sulfate	100	DF	17	lb/100 gal	EP						
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP						
20	Ammonium Sulfate	100	DF	17	lb/100 gal	LP						
21	Conventional-Till						0	1	0	65	89	70
21	Halex GT	4.39	L	3.6	pt/a	EP						
LSD (P=.05)							3.2	5.9	1.2	11.9	7.2	8.2
Standard Deviation							2.3	4.1	0.9	8.4	5.1	5.8
CV							210.51	159.56	343.19	12.43	6.06	7.41

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108
 Conducted: CAMPUS, FLEX

Study Dir.:
 Investigator: Wesley Everman

							steme	tarof	erica	
							control	control	control	ZEAMX
							percent	percent	percent	yield
							8/20/08	8/20/08	8/20/08	bu/ac
							10/17/08			
							HARVEST			
Trt	Treatment	Form	Form	Rate	Grow					
No.	Name	Conc	Type	Rate	Unit	Stg	32	33	34	35
1	No-Till						0	0	0	4
1	Non-Treated									
2	No-Till						100	81	100	166
2	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW				
2	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW				
2	Harness Xtra 5.6	5.6	L	2	qt/a	PRE				
3	No-Till						100	96	100	166
3	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW				
3	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW				
3	Lexar	3.7	L	3	qt/a	EP				
4	No-Till						100	96	100	185
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW				
4	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW				
4	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE				
4	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP				
4	Ammonium Sulfate	100	DF	17	lb/100 gal	LP				
5	No-Till						100	86	100	165
5	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP				
5	Atrazine	4	L	1	qt/a	MP				
5	Ammonium Sulfate	100	DF	17	lb/100 gal	MP				
6	No-Till						100	99	100	182
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP				
6	Ammonium Sulfate	100	DF	17	lb/100 gal	EP				
6	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP				
6	Ammonium Sulfate	100	DF	17	lb/100 gal	LP				
7	No-Till						100	88	100	150
7	Halex GT	4.39	L	3.6	pt/a	EP				
8	Strip-Till						0	0	0	8
8	Non-Treated									
9	Strip-Till						100	98	75	157
9	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW				
9	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW				
9	Harness Xtra 5.6	5.6	L	2	qt/a	PRE				
10	Strip-Till						100	100	100	159
10	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW				
10	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW				
10	Lexar	3.7	L	3	qt/a	EP				
11	Strip-Till						100	100	100	162
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	BRDW				
11	Ammonium Sulfate	100	DF	17	lb/100 gal	BRDW				
11	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE				
11	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP				
11	Ammonium Sulfate	100	DF	17	lb/100 gal	LP				

MSU Weed Science Research Program

WEED CONTROL IN CORN WITH VARIOUS TILLAGE SYSTEMS, 2008

Trial ID: C2108
 Conducted: CAMPUS, FLEX

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Weed Code							steme	tarof	erica	
Crop Code										ZEAMX
Rating Data Type							control	control	control	yield
Rating Unit							percent	percent	percent	bu/ac
Rating Date							8/20/08	8/20/08	8/20/08	10/17/08
Trt-Eval Interval										HARVEST
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	32	33	34	35
12	Strip-Till						100	91	100	158
12	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP				
12	Atrazine	4	L	1	qt/a	MP				
12	Ammonium Sulfate	100	DF	17	lb/100 gal	MP				
13	Strip-Till						100	100	100	169
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP				
13	Ammonium Sulfate	100	DF	17	lb/100 gal	EP				
13	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP				
13	Ammonium Sulfate	100	DF	17	lb/100 gal	LP				
14	Strip-Till						100	100	100	154
14	Halex GT	4.39	L	3.6	pt/a	EP				
15	Conventional-Till						0	0	0	3
15	Non-Treated									
16	Conventional-Till						100	100	100	133
16	Harness Xtra 5.6	5.6	L	2	qt/a	PRE				
17	Conventional-Till						100	100	100	178
17	Lexar	3.7	L	3	qt/a	EP				
18	Conventional-Till						100	100	100	150
18	Harness Xtra 5.6	5.6	L	1.5	qt/a	PRE				
18	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP				
18	Ammonium Sulfate	100	DF	17	lb/100 gal	LP				
19	Conventional-Till						100	100	100	145
19	Roundup WeatherMax	4.5	L	0.75	lb ae/a	MP				
19	Atrazine	4	L	1	qt/a	MP				
19	Ammonium Sulfate	100	DF	17	lb/100 gal	MP				
20	Conventional-Till						100	100	100	165
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	EP				
20	Ammonium Sulfate	100	DF	17	lb/100 gal	EP				
20	Roundup WeatherMax	4.5	L	0.75	lb ae/a	LP				
20	Ammonium Sulfate	100	DF	17	lb/100 gal	LP				
21	Conventional-Till						100	100	100	141
21	Halex GT	4.39	L	3.6	pt/a	EP				
LSD (P=.05)							0.0	7.9	9.3	30.7
Standard Deviation							0.0	5.6	6.5	21.7
CV							0.0	6.78	7.75	15.72