

Comparison of weed control systems in corn

Trial ID: C06-18_Updated Study Dir.: Burns, Stiles, Powell, Craft
 Conducted: Campus T-17 Investigator: Erin Burns

Planting Date: May-29-2018 **Row Spacing:** 30 IN
Variety: DKC48-56 SS **No. of Reps:** 4
Population: 34600 seeds/A **% OM:** 3.4
Soil Type: LOAM **pH:** 6.2
Plot Size: 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plowed; spring soil finished twice
Fertilizer: 300lbs/A urea incorporated
 150lbs/A 19-19-19 starter

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	ANGR	mainly foxtail species	Annual grass
2	CHEAL	lambsquarters, common	Chenopodium album
3	AMAPO	amaranth, Powell	Amaranthus powellii
4	AMBEL	ragweed, common	Ambrosia artemisiifolia
5	ABUTH	velvetleaf	Abutilon theophrasti
Crop	Code	Common Name	
1	ZEAMX	Corn	

Application Description

	A	B
Application Timing:	PRE	POST
Date Treated:	Jun-1-2018	Jun-25-2018
Time Treated:	6:15 PM	10:30 AM
% Cloud Cover:	60	65
Air Temp., Unit:	86 F	65 F
% Relative Humidity:	57.2	70
Wind Speed/Unit/Dir:	3.2 MPH NE	5 MPH E
Soil Temp, Unit:	75 F	68 F
Leaf Moist/Dew Presence (Y/N):	4	3
Soil Moist:	2	3

Crop Stage at Each Application

	A	B
Crop 1 Name:	ZEAMX	ZEAMX
Height:		
Stage:		V4

Weed Stage at Each Application

	A	B
Weed 1 Name:	ANGR	ANGR
Height:		3 IN
Stage:		8 L
Weed 2 Name:	CHEAL	CHEAL
Height:		2 IN
Stage:		13 L
Weed 3 Name:	AMAPO	AMAPO
Height:		
Stage:		
Weed 4 Name:	AMBEL	AMBEL
Height:		3 IN
Stage:		8 L
Weed 5 Name:	ABUTH	ABUTH
Height:		3 IN
Stage:		6 L

Weed Density

	1	2	3	4	5
Date:	Jun-1-2018	Jun-1-2018	Jun-1-2018	Jun-1-2018	Jun-1-2018
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Density:	1 FT2	4 FT2	1 FT2	1 FT2	1 FT2

Application Equipment

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	CUB	3.8 MPH	AIXR	11003	22 "	20 "	100 "	19 GPA	WATER	30 PSI
B	CUB	3.8 MPH	AIXR	11003	26 "	20 "	100 "	19 GPA	WATER	30 PSI

Comments:

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Location: Campus T-17

Investigator: Erin Burns

Study Director: Burns, Stiles, Powell, Craft

Pest Code				ANGR	CHEAL	AMAPO	AMBEL	ABUTH		ZEAMX	
Crop Code				Jun-26-2018	Jun-26-2018	Jun-26-2018	Jun-26-2018	Jun-26-2018	Jun-26-2018	Jul-5-2018	
Rating Date				injury	control	control	control	control	control	injury	
Rating Type				percent	percent	percent	percent	percent	percent	percent	
Rating Unit				25 DA-A	25 DA-A	25 DA-A	25 DA-A	25 DA-A	25 DA-A	10 DA-B	
Trt-Eval Interval											
Trt No.	Treatment Name	Rate	Unit	Appl Code							
1	TripleFLEX II	1 qt/a		A	0.0	99.5	97.3	100.0	100.0	94.5	0.0
	1 Harness MAX	40 fl oz/a		B							
	1 Roundup PowerMax	32 fl oz/a		B							
	1 AMS	8.5 lb/100 gal		B							
2	Harness Xtra 5.6 L	1.75 qt/a		A	0.0	100.0	99.5	100.0	99.0	95.8	0.0
	2 Harness MAX	40 fl oz/a		B							
	2 Roundup PowerMax	32 fl oz/a		B							
	2 AMS	8.5 lb/100 gal		B							
3	Harness Xtra	1.5 qt/a		A	0.0	100.0	100.0	100.0	92.5	94.5	0.0
	3 Harness MAX	40 fl oz/a		B							
	3 Roundup PowerMax	32 fl oz/a		B							
	3 AMS	8.5 lb/100 gal		B							
4	Degree Xtra	2.25 qt/a		A	0.0	99.5	99.0	100.0	78.8	88.8	0.0
	4 Harness MAX	40 fl oz/a		B							
	4 Roundup PowerMax	32 fl oz/a		B							
	4 AMS	8.5 lb/100 gal		B							
5	Harness MAX	64 fl oz/a		A	0.0	100.0	100.0	100.0	100.0	98.3	2.0
	5 Atrazine	1.1 lb/a		A							
	5 DiFlexx	1 pt/a		B							
	5 Roundup PowerMax	32 fl oz/a		B							
	5 Intact	0.5 % v/v		B							
6	Harness MAX	75 fl oz/a		A	0.0	100.0	100.0	100.0	100.0	99.0	0.0
	6 Atrazine	1.1 lb/a		A							
	6 Roundup PowerMax	32 fl oz/a		B							
	6 AMS	8.5 lb/100 gal		B							
7	Acuron	1.5 qt/a		A	0.0	98.3	99.0	100.0	95.8	99.0	0.0
	7 Halex GT	3.625 pt/a		B							
	7 Surfactant	0.25 % v/v		B							
	7 AMS	8.5 lb/100 gal		B							
8	Untreated				0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	Bicep II Magnum	3.5 pt/a		A	0.0	99.5	100.0	100.0	85.8	92.8	0.0
	9 Halex GT	3.625 pt/a		B							
	9 Surfactant	0.25 % v/v		B							
	9 AMS	8.5 lb/100 gal		B							
10	Lexar EZ	1.5 qt/a		A	0.0	99.0	98.8	100.0	98.3	99.5	0.0
	10 Halex GT	1.8 qt/a		B							
	10 Surfactant	0.25 % v/v		B							
	10 AMS	8.5 lb/100 gal		B							
11	Keystone NXT	1.75 qt/a		A	0.0	100.0	100.0	100.0	97.5	94.5	0.0
	11 Resicore	1.25 qt/a		B							
	11 Durango DMA	36 fl oz/a		B							
	11 AMS	8.5 lb/100 gal		B							
12	Surestart II	1 qt/a		A	0.0	97.5	97.8	100.0	100.0	92.5	0.0
	12 Resicore	2.5 qt/a		B							
	12 Durango DMA	36 fl oz/a		B							
	12 AMS	8.5 lb/100 gal		B							

Could not calculate LSD (% mean diff) for columns 1,4,8,9,10,11,12,14,15,16,17,19,20,22 because error mean square = 0.

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Investigator: Erin Burns

Study Director: Burns, Stiles, Powell, Craft

Pest Code				ANGR	CHEAL	AMAPO	AMBEL	ABUTH			
Crop Code											
Rating Date				Jun-26-2018	Jun-26-2018	Jun-26-2018	Jun-26-2018	Jun-26-2018	Jul-5-2018		
Rating Type				injury	control	control	control	control	injury		
Rating Unit				percent	percent	percent	percent	percent	percent		
Trt-Eval Interval				25 DA-A	25 DA-A	25 DA-A	25 DA-A	25 DA-A	10 DA-B		
Trt No.	Treatment Name	Rate	Unit	Appl Code							
13	Resicore	2.5	qt/a	A	0.0	100.0	100.0	100.0	99.5	0.0	
13	Atrazine	1.1	lb/a	A							
13	Durango DMA	36	fl oz/a	B							
13	AMS	8.5	lb/100 gal	B							
14	Armezon PRO	1.25	pt/a	A	0.0	99.5	100.0	100.0	99.5	97.8	
14	Atrazine	1.1	lb/a	A							
14	Status	5	oz/a	B							
14	Roundup PowerMax	32	fl oz/a	B							
14	AMS	8.5	lb/100 gal	B							
15	Harness Xtra 5.6 L	1.75	qt/a	A	0.0	100.0	100.0	100.0	100.0	99.0	
15	Balance Flexx	3	fl oz/a	A							
15	DiFlexx	1	pt/a	B							
15	Roundup PowerMax	32	fl oz/a	B							
15	AMS	8.5	lb/100 gal	B							
16	Corvus	5.6	fl oz/a	A	0.0	98.3	100.0	100.0	100.0	100.0	
16	Atrazine	1.1	lb/a	A							
16	DiFlexx	1	pt/a	B							
16	Roundup PowerMax	32	fl oz/a	B							
16	AMS	8.5	lb/100 gal	B							
LSD P=.05					.	2.35	1.42	.	9.39	6.14	1.18
Standard Deviation					0.00	1.65	1.00	0.00	6.59	4.31	0.83
CV					0.0	1.77	1.07	0.0	7.29	4.78	240.23

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Pest Code				ANGR	CHEAL	AMAPO	AMBEL	ABUTH		ANGR	CHEAL	
Crop Code									ZEAMX			
Rating Date				Jul-5-2018	Jul-5-2018	Jul-5-2018	Jul-5-2018	Jul-5-2018	Jul-16-2018	Jul-16-2018	Jul-16-2018	
Rating Type				control	control	control	control	control	injury	control	control	
Rating Unit				percent	percent	percent	percent	percent	percent	percent	percent	
Trt-Eval Interval				10 DA-B	10 DA-B	10 DA-B	10 DA-B	10 DA-B	21 DA-B	21 DA-B	21 DA-B	
Trt No.	Treatment Name	Rate	Unit	Appl Code								
1	TripleFLEX II	1 qt/a		A	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
1	Harness MAX	40 fl oz/a		B								
1	Roundup PowerMax	32 fl oz/a		B								
1	AMS	8.5 lb/100 gal		B								
2	Harness Xtra 5.6 L	1.75 qt/a		A	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
2	Harness MAX	40 fl oz/a		B								
2	Roundup PowerMax	32 fl oz/a		B								
2	AMS	8.5 lb/100 gal		B								
3	Harness Xtra	1.5 qt/a		A	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
3	Harness MAX	40 fl oz/a		B								
3	Roundup PowerMax	32 fl oz/a		B								
3	AMS	8.5 lb/100 gal		B								
4	Degree Xtra	2.25 qt/a		A	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
4	Harness MAX	40 fl oz/a		B								
4	Roundup PowerMax	32 fl oz/a		B								
4	AMS	8.5 lb/100 gal		B								
5	Harness MAX	64 fl oz/a		A	100.0	100.0	100.0	100.0	100.0	10.0	100.0	100.0
5	Atrazine	1.1 lb/a		A								
5	DiFlexx	1 pt/a		B								
5	Roundup PowerMax	32 fl oz/a		B								
5	Intact	0.5 % v/v		B								
6	Harness MAX	75 fl oz/a		A	100.0	100.0	100.0	100.0	100.0	1.3	100.0	100.0
6	Atrazine	1.1 lb/a		A								
6	Roundup PowerMax	32 fl oz/a		B								
6	AMS	8.5 lb/100 gal		B								
7	Acuron	1.5 qt/a		A	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
7	Halex GT	3.625 pt/a		B								
7	Surfactant	0.25 % v/v		B								
7	AMS	8.5 lb/100 gal		B								
8	Untreated				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	Bicep II Magnum	3.5 pt/a		A	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
9	Halex GT	3.625 pt/a		B								
9	Surfactant	0.25 % v/v		B								
9	AMS	8.5 lb/100 gal		B								
10	Lexar EZ	1.5 qt/a		A	100.0	100.0	100.0	100.0	100.0	2.5	100.0	100.0
10	Halex GT	1.8 qt/a		B								
10	Surfactant	0.25 % v/v		B								
10	AMS	8.5 lb/100 gal		B								
11	Keystone NXT	1.75 qt/a		A	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
11	Resicore	1.25 qt/a		B								
11	Durango DMA	36 fl oz/a		B								
11	AMS	8.5 lb/100 gal		B								
12	Surestart II	1 qt/a		A	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
12	Resicore	2.5 qt/a		B								
12	Durango DMA	36 fl oz/a		B								
12	AMS	8.5 lb/100 gal		B								

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Pest Code			ANGR	CHEAL	AMAPO	AMBEL	ABUTH		ANGR	CHEAL
Crop Code								ZEAMX		
Rating Date			Jul-5-2018	Jul-5-2018	Jul-5-2018	Jul-5-2018	Jul-5-2018	Jul-16-2018	Jul-16-2018	Jul-16-2018
Rating Type			control	control	control	control	control	injury	control	control
Rating Unit			percent	percent	percent	percent	percent	percent	percent	percent
Trt-Eval Interval			10 DA-B	10 DA-B	10 DA-B	10 DA-B	10 DA-B	21 DA-B	21 DA-B	21 DA-B
Trt No.	Treatment Name	Rate	Unit	Appl Code						
13	Resicore	2.5	qt/a	A	100.0	100.0	100.0	100.0	0.0	100.0
13	Atrazine	1.1	lb/a	A						
13	Durango DMA	36	fl oz/a	B						
13	AMS	8.5	lb/100 gal	B						
14	Armezon PRO	1.25	pt/a	A	100.0	100.0	100.0	100.0	5.0	100.0
14	Atrazine	1.1	lb/a	A						
14	Status	5	oz/a	B						
14	Roundup PowerMax	32	fl oz/a	B						
14	AMS	8.5	lb/100 gal	B						
15	Harness Xtra 5.6 L	1.75	qt/a	A	100.0	100.0	100.0	100.0	7.5	100.0
15	Balance Flexx	3	fl oz/a	A						
15	DiFlexx	1	pt/a	B						
15	Roundup PowerMax	32	fl oz/a	B						
15	AMS	8.5	lb/100 gal	B						
16	Corvus	5.6	fl oz/a	A	100.0	100.0	100.0	100.0	7.5	100.0
16	Atrazine	1.1	lb/a	A						
16	DiFlexx	1	pt/a	B						
16	Roundup PowerMax	32	fl oz/a	B						
16	AMS	8.5	lb/100 gal	B						
LSD P=.05					2.90	.
Standard Deviation					0.00	0.00	0.00	0.00	2.03	0.00
CV					0.0	0.0	0.0	0.0	96.47	0.0

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Study Director: Burns, Stiles, Powell, Craft

Pest Code				AMAPO	AMBEL	ABUTH		ANGR	CHEAL	AMAPO	AMBEL
Crop Code							ZEAMX				
Rating Date				Jul-16-2018	Jul-16-2018	Jul-16-2018	Jul-30-2018	Jul-30-2018	Jul-30-2018	Jul-30-2018	Jul-30-2018
Rating Type				control	control	control	injury	control	control	control	control
Rating Unit				percent	percent	percent	percent	percent	percent	percent	percent
Trt-Eval Interval				21 DA-B	21 DA-B	21 DA-B	35 DA-B	35 DA-B	35 DA-B	35 DA-B	35 DA-B
Trt No.	Treatment Name	Rate	Unit	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
			Appl Code								
1	TripleFLEX II	1 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
1	Harness MAX	40 fl oz/a	B								
1	Roundup PowerMax	32 fl oz/a	B								
1	AMS	8.5 lb/100 gal	B								
2	Harness Xtra 5.6 L	1.75 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
2	Harness MAX	40 fl oz/a	B								
2	Roundup PowerMax	32 fl oz/a	B								
2	AMS	8.5 lb/100 gal	B								
3	Harness Xtra	1.5 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
3	Harness MAX	40 fl oz/a	B								
3	Roundup PowerMax	32 fl oz/a	B								
3	AMS	8.5 lb/100 gal	B								
4	Degree Xtra	2.25 qt/a	A	100.0	100.0	99.5	0.0	100.0	99.5	100.0	100.0
4	Harness MAX	40 fl oz/a	B								
4	Roundup PowerMax	32 fl oz/a	B								
4	AMS	8.5 lb/100 gal	B								
5	Harness MAX	64 fl oz/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
5	Atrazine	1.1 lb/a	A								
5	DiFlexx	1 pt/a	B								
5	Roundup PowerMax	32 fl oz/a	B								
5	Intact	0.5 % v/v	B								
6	Harness MAX	75 fl oz/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
6	Atrazine	1.1 lb/a	A								
6	Roundup PowerMax	32 fl oz/a	B								
6	AMS	8.5 lb/100 gal	B								
7	Acuron	1.5 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
7	Halex GT	3.625 pt/a	B								
7	Surfactant	0.25 % v/v	B								
7	AMS	8.5 lb/100 gal	B								
8	Untreated			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	Bicep II Magnum	3.5 pt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	99.5
9	Halex GT	3.625 pt/a	B								
9	Surfactant	0.25 % v/v	B								
9	AMS	8.5 lb/100 gal	B								
10	Lexar EZ	1.5 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
10	Halex GT	1.8 qt/a	B								
10	Surfactant	0.25 % v/v	B								
10	AMS	8.5 lb/100 gal	B								
11	Keystone NXT	1.75 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
11	Resicore	1.25 qt/a	B								
11	Durango DMA	36 fl oz/a	B								
11	AMS	8.5 lb/100 gal	B								
12	Surestart II	1 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0
12	Resicore	2.5 qt/a	B								
12	Durango DMA	36 fl oz/a	B								
12	AMS	8.5 lb/100 gal	B								

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Pest Code			AMAPO	AMBEL	ABUTH		ANGR	CHEAL	AMAPO	AMBEL
Crop Code						ZEAMX				
Rating Date			Jul-16-2018	Jul-16-2018	Jul-16-2018	Jul-30-2018	Jul-30-2018	Jul-30-2018	Jul-30-2018	Jul-30-2018
Rating Type			control	control	control	injury	control	control	control	control
Rating Unit			percent	percent	percent	percent	percent	percent	percent	percent
Trt-Eval Interval			21 DA-B	21 DA-B	21 DA-B	35 DA-B	35 DA-B	35 DA-B	35 DA-B	35 DA-B
Trt No.	Treatment Name	Rate Unit	Appl Code							
13	Resicore	2.5 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0
13	Atrazine	1.1 lb/a	A							
13	Durango DMA	36 fl oz/a	B							
13	AMS	8.5 lb/100 gal	B							
14	Armezon PRO	1.25 pt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0
14	Atrazine	1.1 lb/a	A							
14	Status	5 oz/a	B							
14	Roundup PowerMax	32 fl oz/a	B							
14	AMS	8.5 lb/100 gal	B							
15	Harness Xtra 5.6 L	1.75 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0
15	Balance Flexx	3 fl oz/a	A							
15	DiFlexx	1 pt/a	B							
15	Roundup PowerMax	32 fl oz/a	B							
15	AMS	8.5 lb/100 gal	B							
16	Corvus	5.6 fl oz/a	A	100.0	100.0	100.0	0.0	100.0	100.0	100.0
16	Atrazine	1.1 lb/a	A							
16	DiFlexx	1 pt/a	B							
16	Roundup PowerMax	32 fl oz/a	B							
16	AMS	8.5 lb/100 gal	B							
LSD P=.05				.	.	0.36	.	.	0.36	.
Standard Deviation				0.00	0.00	0.25	0.00	0.00	0.25	0.00
CV				0.0	0.0	0.27	0.0	0.0	0.27	0.0

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Pest Code	ABUTH				
Crop Code		ZEAMX	ZEAMX	ZEAMX	
Rating Date	Jul-30-2018	Oct-25-2018	Oct-25-2018	Oct-25-2018	
Rating Type	control	test wieght	moisture	YIELD	
Rating Unit	percent	lbs/bu	percent	BU	
Trt-Eval Interval	35 DA-B	122 DA-B	122 DA-B	at 15% M	

Trt No.	Treatment Name	Rate	Unit	Appl Code				
1	TripleFLEX II	1 qt/a		A	100.0	52.0	21.6	253.1
	1 Harness MAX	40 fl oz/a		B				
	1 Roundup PowerMax	32 fl oz/a		B				
	1 AMS	8.5 lb/100 gal		B				
2	Harness Xtra 5.6 L	1.75 qt/a		A	100.0	52.2	22.3	239.9
	2 Harness MAX	40 fl oz/a		B				
	2 Roundup PowerMax	32 fl oz/a		B				
	2 AMS	8.5 lb/100 gal		B				
3	Harness Xtra	1.5 qt/a		A	100.0	52.3	21.4	249.0
	3 Harness MAX	40 fl oz/a		B				
	3 Roundup PowerMax	32 fl oz/a		B				
	3 AMS	8.5 lb/100 gal		B				
4	Degree Xtra	2.25 qt/a		A	99.5	52.6	22.3	243.8
	4 Harness MAX	40 fl oz/a		B				
	4 Roundup PowerMax	32 fl oz/a		B				
	4 AMS	8.5 lb/100 gal		B				
5	Harness MAX	64 fl oz/a		A	100.0	52.0	20.3	234.7
	5 Atrazine	1.1 lb/a		A				
	5 DiFlexx	1 pt/a		B				
	5 Roundup PowerMax	32 fl oz/a		B				
	5 Intact	0.5 % v/v		B				
6	Harness MAX	75 fl oz/a		A	100.0	52.2	22.8	244.2
	6 Atrazine	1.1 lb/a		A				
	6 Roundup PowerMax	32 fl oz/a		B				
	6 AMS	8.5 lb/100 gal		B				
7	Acuron	1.5 qt/a		A	100.0	51.9	22.1	240.9
	7 Halex GT	3.625 pt/a		B				
	7 Surfactant	0.25 % v/v		B				
	7 AMS	8.5 lb/100 gal		B				
8	Untreated				0.0	52.4	23.0	210.5
9	Bicep II Magnum	3.5 pt/a		A	100.0	52.3	22.4	240.7
	9 Halex GT	3.625 pt/a		B				
	9 Surfactant	0.25 % v/v		B				
	9 AMS	8.5 lb/100 gal		B				
10	Lexar EZ	1.5 qt/a		A	100.0	53.0	21.9	242.3
	10 Halex GT	1.8 qt/a		B				
	10 Surfactant	0.25 % v/v		B				
	10 AMS	8.5 lb/100 gal		B				
11	Keystone NXT	1.75 qt/a		A	100.0	52.3	23.2	245.7
	11 Resicore	1.25 qt/a		B				
	11 Durango DMA	36 fl oz/a		B				
	11 AMS	8.5 lb/100 gal		B				
12	Surestart II	1 qt/a		A	100.0	52.0	22.1	245.7
	12 Resicore	2.5 qt/a		B				
	12 Durango DMA	36 fl oz/a		B				
	12 AMS	8.5 lb/100 gal		B				

Could not calculate LSD (% mean diff) for columns 1,4,8,9,10,11,12,14,15,16,17,19,20,22 because error mean square = 0.

Michigan State University

Comparison of weed control systems in corn

Trial ID: C06-18_Updated Location: Campus T-17
 Investigator: Erin Burns
 Study Director: Burns, Stiles, Powell, Craft

Pest Code	ABUTH			
Crop Code		ZEAMX	ZEAMX	ZEAMX
Rating Date	Jul-30-2018	Oct-25-2018	Oct-25-2018	Oct-25-2018
Rating Type	control	test wieght	moisture	YIELD
Rating Unit	percent	lbs/bu	percent	BU
Trt-Eval Interval	35 DA-B	122 DA-B	122 DA-B	at 15% M

Trt No.	Treatment Name	Rate Unit	Appl Code				
13	Resicore	2.5 qt/a	A	100.0	52.5	22.2	241.6
13	Atrazine	1.1 lb/a	A				
13	Durango DMA	36 fl oz/a	B				
13	AMS	8.5 lb/100 gal	B				
14	Armezon PRO	1.25 pt/a	A	100.0	52.3	22.3	247.3
14	Atrazine	1.1 lb/a	A				
14	Status	5 oz/a	B				
14	Roundup PowerMax	32 fl oz/a	B				
14	AMS	8.5 lb/100 gal	B				
15	Harness Xtra 5.6 L	1.75 qt/a	A	100.0	53.1	22.2	241.6
15	Balance Flexx	3 fl oz/a	A				
15	DiFlexx	1 pt/a	B				
15	Roundup PowerMax	32 fl oz/a	B				
15	AMS	8.5 lb/100 gal	B				
16	Corvus	5.6 fl oz/a	A	100.0	52.2	22.4	239.7
16	Atrazine	1.1 lb/a	A				
16	DiFlexx	1 pt/a	B				
16	Roundup PowerMax	32 fl oz/a	B				
16	AMS	8.5 lb/100 gal	B				
LSD P=.05				0.36	1.14	2.41	15.47
Standard Deviation				0.25	0.80	1.69	10.86
CV				0.27	1.53	7.64	4.5

Could not calculate LSD (% mean diff) for columns 1,4,8,9,10,11,12,14,15,16,17,19,20,22 because error mean square = 0.