

Comparison of weed control systems in corn

Trial ID: C03-19 Study Dir.: Burns, Craft
 Conducted: Campus C-28 Investigator: Erin Burns

Planting Date: May-15-2019 **Row Spacing:** 30 IN
Variety: P9840AM **No. of Reps:** 4
Population: 32300 S/A **% OM:** 2.9
Soil Type: SL sandy loam **pH:** 5.9
Plot Size: 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

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

Crop and Weed Description

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

Application Description

	A	B	C
Application Timing:	PRE	EPOS	POST
Date Treated:	May-16-2019	Jun-12-2019	Jun-23-2019
Time Treated:	1:30 PM	11:25 AM	1:45 PM
% Cloud Cover:	100	30	40
Air Temp., Unit:	74 F	74.8 F	86 F
% Relative Humidity:	43.9	41.2	43.6
Wind Speed/Unit/Dir:	7 MPH NE	8.5 MPH SW	5.2 MPH SW
Soil Temp, Unit:	60 F	64.8 F	80 F
Leaf Moist/Dew Presence (Y/N):		N	N
Soil Moist:	3	2	2

Crop Stage at Each Application

	A	B	C
Crop 1 Name:	ZEAMX	ZEAMX	ZEAMX
Height:			
Stage:	PRE	V2	V5

Weed Stage at Each Application

	A	B	C
Weed 1 Name:	ANGR	ANGR	ANGR
Height:		1-4 IN (2)	5 IN
Stage:		4-6 L	5 L
Weed 2 Name:	CHEAL	CHEAL	CHEAL
Height:		1.5 IN	2 IN
Stage:		6 L	7 L
Weed 3 Name:	AMAPO	AMAPO	AMAPO
Height:		1 IN	1 IN
Stage:		3 L	5 L
Weed 4 Name:	AMBEL	AMBEL	AMBEL
Height:		2 IN	3 IN
Stage:		4-6 L	9 L
Weed 5 Name:	ABUTH	ABUTH	ABUTH
Height:		2 IN	4 IN
Stage:		2-3 L	4 L

Weed Density

	1	2	3	4	5
Date:	Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-12-2019
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Density:	17 FT2	2 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	BKPK	3.0 MPH	AIXR	11003	24 "	20 "	100 "	19 GPA	WATER	32 PSI
C	CUB	3.8 MPH	AIXR	11003	24 "	20 "	100 "	19 GPA	WATER	30 PSI

Comments:

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 Protocol ID: C03-19 Investigator: Erin Burns
 Project ID: Study Director: Burns, Craft
 Sponsor Contact:

Pest Code			ZEAMX	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	ZEAMX	
Crop Type, Code			Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-28-2019	
Rating Date			injury	Control	Control	Control	Control	Control	injury	
Rating Type			percent	percent	percent	percent	percent	percent	percent	
Rating Unit			0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B	5 DA-C	
Trt-Eval Interval										
Trt No.	Treatment Name	Rate Unit	Appl Code							
1	Harness Xtra 5.6L	2.4 qt/a	A	0.0	100.0	100.0	100.0	100.0	99.5	0.0
2	Harness Xtra 5.6L	2 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	2 Balance Flexx	3 fl oz/a	A							
3	Harness Xtra 5.6L	2 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	3 Corvus	3.3 fl oz/a	A							
4	Corvus	4.5 fl oz/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	4 Atrazine	1.1 lb/a	A							
5	Corvus	4.5 fl oz/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	5 Harness Xtra 5.6L	1.6 qt/a	A							
6	Harness MAX	2 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	6 Atrazine	1.1 lb/a	A							
7	Acuron	2.5 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
8	Resicore	2.5 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	8 Atrazine	1.1 lb/a	A							
9	Untreated			0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	Harness MAX	2 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	10 Atrazine	1.1 lb/a	A							
	10 DiFlexx	8 fl oz/a	C							
	10 MSO	1 % v/v	C							
	10 AMS	8.5 lb/100 gal	C							
11	Harness MAX	2 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	11 Atrazine	1.1 lb/a	A							
	11 DiFlexx DUO	24 fl oz/a	C							
	11 MSO	1 % v/v	C							
	11 AMS	8.5 lb/100 gal	C							
12	Harness MAX	2 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	12 Atrazine	1.1 lb/a	A							
	12 Capreno	3 fl oz/a	C							
	12 Surfactant	0.25 % v/v	C							
	12 AMS	8.5 lb/100 gal	C							
13	Corvus	3.3 fl oz/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	13 Atrazine	1.1 lb/a	A							
	13 Harness MAX	1.75 qt/a	B							
	13 Surfactant	0.25 % v/v	B							
	13 AMS	8.5 lb/100 gal	B							
14	Harness Xtra 5.6L	2 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
	14 Balance Flexx	3 fl oz/a	A							
	14 DiFlexx	8 fl oz/a	C							
	14 MSO	1 % v/v	C							
	14 AMS	8.5 lb/100 gal	C							

Missing data estimates are included in columns: Average=26,28
 Could not calculate LSD (% mean diff) for columns 1,3,4,5,7,13,19 because error mean square = 0.

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 Protocol ID: C03-19 Investigator: Erin Burns
 Project ID: Study Director: Burns, Craft
 Sponsor Contact:

Pest Code			ANGR	CHEAL	AMAPO	AMBEL	ABUTH			
Crop Type, Code		ZEAMX						ZEAMX		
Rating Date		Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-12-2019	Jun-28-2019		
Rating Type		injury	Control	Control	Control	Control	Control	injury		
Rating Unit		percent	percent	percent	percent	percent	percent	percent		
Trt-Eval Interval		0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B	5 DA-C		
Trt No.	Treatment Name	Rate	Appl Code							
		Rate Unit								
15	Harness Xtra 5.6L	2 qt/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
15	Balance Flexx	3 fl oz/a	A							
15	Capreno	3 fl oz/a	C							
15	Surfactant	0.25 % v/v	C							
15	AMS	8.5 lb/100 gal	C							
16	Harness MAX	40 fl oz/a	A	0.0	99.0	100.0	100.0	100.0	100.0	0.0
16	Harness MAX	40 fl oz/a	B							
16	Surfactant	0.25 % v/v	B							
16	AMS	8.5 lb/100 gal	B							
17	Degree Xtra	3 qt/a	B							0.0
17	Capreno	3 fl oz/a	B							
17	Surfactant	0.25 % v/v	B							
17	AMS	8.5 lb/100 gal	B							
18	Halex GT	1.8 qt/a	B							0.0
18	Atrazine	1.1 lb/a	B							
18	Surfactant	0.25 % v/v	B							
18	AMS	8.5 lb/100 gal	B							
19	Zidua SC	3.2 fl oz/a	A	0.0	100.0	100.0	100.0	100.0	100.0	0.0
19	Sharpen	2 fl oz/a	A							
19	Atrazine	1.1 lb/a	A							
19	Roundup PowerMax	32 fl oz/a	C							
19	AMS	8.5 lb/100 gal	C							
LSD	P=.05			0.40					0.34	
Standard Deviation		0.00		0.28	0.00	0.00	0.00	0.00	0.24	0.00
CV		0.0		0.3	0.0	0.0	0.0	0.0	0.26	0.0

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Crop Type, Code			Jun-28-2019	Jun-28-2019	Jun-28-2019	Jun-28-2019	Jun-28-2019	Jul-12-2019	Jul-12-2019	
Rating Date			Control	Control	Control	Control	Control	injury	Control	
Rating Type			percent	percent	percent	percent	percent	percent	percent	
Rating Unit			5 DA-C	5 DA-C	5 DA-C	5 DA-C	5 DA-C	19 DA-C	19 DA-C	
Trt-Eval Interval										
Trt No.	Treatment Name	Rate Unit	Appl Code							
1	Harness Xtra 5.6L	2.4 qt/a	A	93.8	98.8	97.5	96.3	96.3	0.0	95.0
2	Harness Xtra 5.6L	2 qt/a	A	96.5	100.0	100.0	99.5	98.8	0.0	95.8
	2 Balance Flexx	3 fl oz/a	A							
3	Harness Xtra 5.6L	2 qt/a	A	98.8	100.0	100.0	100.0	100.0	0.0	96.5
	3 Corvus	3.3 fl oz/a	A							
4	Corvus	4.5 fl oz/a	A	97.5	100.0	100.0	98.8	98.8	0.0	92.0
	4 Atrazine	1.1 lb/a	A							
5	Corvus	4.5 fl oz/a	A	100.0	100.0	100.0	100.0	100.0	0.0	98.0
	5 Harness Xtra 5.6L	1.6 qt/a	A							
6	Harness MAX	2 qt/a	A	100.0	100.0	100.0	100.0	100.0	0.0	96.5
	6 Atrazine	1.1 lb/a	A							
7	Acuron	2.5 qt/a	A	98.8	100.0	100.0	100.0	100.0	0.0	98.5
8	Resicore	2.5 qt/a	A	98.3	100.0	100.0	100.0	100.0	0.0	96.5
	8 Atrazine	1.1 lb/a	A							
9	Untreated			0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	Harness MAX	2 qt/a	A	100.0	100.0	100.0	100.0	100.0	0.0	97.3
	10 Atrazine	1.1 lb/a	A							
	10 DiFlexx	8 fl oz/a	C							
	10 MSO	1 % v/v	C							
	10 AMS	8.5 lb/100 gal	C							
11	Harness MAX	2 qt/a	A	98.8	100.0	100.0	100.0	100.0	0.0	96.5
	11 Atrazine	1.1 lb/a	A							
	11 DiFlexx DUO	24 fl oz/a	C							
	11 MSO	1 % v/v	C							
	11 AMS	8.5 lb/100 gal	C							
12	Harness MAX	2 qt/a	A	100.0	100.0	100.0	100.0	100.0	0.0	99.0
	12 Atrazine	1.1 lb/a	A							
	12 Capreno	3 fl oz/a	C							
	12 Surfactant	0.25 % v/v	C							
	12 AMS	8.5 lb/100 gal	C							
13	Corvus	3.3 fl oz/a	A	100.0	100.0	100.0	100.0	100.0	0.0	100.0
	13 Atrazine	1.1 lb/a	A							
	13 Harness MAX	1.75 qt/a	B							
	13 Surfactant	0.25 % v/v	B							
	13 AMS	8.5 lb/100 gal	B							
14	Harness Xtra 5.6L	2 qt/a	A	97.0	100.0	100.0	100.0	100.0	0.0	98.0
	14 Balance Flexx	3 fl oz/a	A							
	14 DiFlexx	8 fl oz/a	C							
	14 MSO	1 % v/v	C							
	14 AMS	8.5 lb/100 gal	C							

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 Protocol ID: C03-19 Investigator: Erin Burns
 Project ID: Study Director: Burns, Craft
 Sponsor Contact:

Pest Code			ANGR	CHEAL	AMAPO	AMBEL	ABUTH	ZEAMX	ANGR	
Crop Type, Code			Jun-28-2019	Jun-28-2019	Jun-28-2019	Jun-28-2019	Jun-28-2019	Jul-12-2019	Jul-12-2019	
Rating Date			Control	Control	Control	Control	Control	injury	Control	
Rating Type			percent	percent	percent	percent	percent	percent	percent	
Rating Unit			5 DA-C	5 DA-C	5 DA-C	5 DA-C	5 DA-C	19 DA-C	19 DA-C	
Trt-Eval Interval										
Trt No.	Treatment Name	Rate Unit	Appl Code							
15	Harness Xtra 5.6L	2 qt/a	A	100.0	100.0	100.0	100.0	100.0	0.0	99.5
15	Balance Flexx	3 fl oz/a	A							
15	Capreno	3 fl oz/a	C							
15	Surfactant	0.25 % v/v	C							
15	AMS	8.5 lb/100 gal	C							
16	Harness MAX	40 fl oz/a	A	98.3	100.0	100.0	100.0	100.0	0.0	99.0
16	Harness MAX	40 fl oz/a	B							
16	Surfactant	0.25 % v/v	B							
16	AMS	8.5 lb/100 gal	B							
17	Degree Xtra	3 qt/a	B	77.5	100.0	100.0	100.0	100.0	0.0	81.3
17	Capreno	3 fl oz/a	B							
17	Surfactant	0.25 % v/v	B							
17	AMS	8.5 lb/100 gal	B							
18	Halex GT	1.8 qt/a	B	97.0	100.0	100.0	100.0	100.0	0.0	94.0
18	Atrazine	1.1 lb/a	B							
18	Surfactant	0.25 % v/v	B							
18	AMS	8.5 lb/100 gal	B							
19	Zidua SC	3.2 fl oz/a	A	100.0	100.0	100.0	100.0	100.0	0.0	98.5
19	Sharpen	2 fl oz/a	A							
19	Atrazine	1.1 lb/a	A							
19	Roundup PowerMax	32 fl oz/a	C							
19	AMS	8.5 lb/100 gal	C							
LSD P=.05				3.58	0.81	0.94	1.75	1.85	.	2.49
Standard Deviation				2.53	0.57	0.66	1.24	1.31	0.00	1.76
CV				2.74	0.61	0.7	1.31	1.38	0.0	1.93

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Trial ID: C03-19
 Protocol ID: C03-19
 Project ID:

Location: Campus C-28 Trial Year: 2019
 Investigator: Erin Burns
 Study Director: Burns, Craft
 Sponsor Contact:

Pest Code			CHEAL	AMAPO	AMBEL	ABUTH		ANGR	CHEAL	AMAPO	
Crop Type, Code							ZEAMX				
Rating Date			Jul-12-2019	Jul-12-2019	Jul-12-2019	Jul-12-2019	Jul-23-2019	Jul-23-2019	Jul-23-2019	Jul-23-2019	
Rating Type			Control	Control	Control	Control	injury	Control	Control	Control	
Rating Unit			percent	percent	percent	percent	percent	percent	percent	percent	
Trt-Eval Interval			19 DA-C	19 DA-C	19 DA-C	19 DA-C	30 DA-C	30 DA-C	30 DA-C	30 DA-C	
Trt No.	Treatment Name	Rate Unit	Appl Code								
1	Harness Xtra 5.6L	2.4 qt/a	A	97.0	99.5	97.8	99.5	0.0	91.3	91.3	96.3
2	Harness Xtra 5.6L	2 qt/a	A	100.0	97.5	100.0	100.0	0.0	92.8	100.0	100.0
2	Balance Flexx	3 fl oz/a	A								
3	Harness Xtra 5.6L	2 qt/a	A	100.0	100.0	100.0	99.5	0.0	93.8	100.0	100.0
3	Corvus	3.3 fl oz/a	A								
4	Corvus	4.5 fl oz/a	A	100.0	100.0	100.0	99.5	0.0	80.0	100.0	100.0
4	Atrazine	1.1 lb/a	A								
5	Corvus	4.5 fl oz/a	A	100.0	100.0	100.0	99.5	0.0	95.0	100.0	100.0
5	Harness Xtra 5.6L	1.6 qt/a	A								
6	Harness MAX	2 qt/a	A	100.0	100.0	100.0	100.0	0.0	92.0	100.0	99.5
6	Atrazine	1.1 lb/a	A								
7	Acuron	2.5 qt/a	A	100.0	100.0	100.0	100.0	0.0	99.0	100.0	100.0
8	Resicore	2.5 qt/a	A	100.0	100.0	100.0	100.0	0.0	91.3	100.0	100.0
8	Atrazine	1.1 lb/a	A								
9	Untreated			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	Harness MAX	2 qt/a	A	100.0	100.0	100.0	100.0	0.0	96.3	100.0	99.5
10	Atrazine	1.1 lb/a	A								
10	DiFlexx	8 fl oz/a	C								
10	MSO	1 % v/v	C								
10	AMS	8.5 lb/100 gal	C								
11	Harness MAX	2 qt/a	A	100.0	100.0	100.0	100.0	0.0	92.0	100.0	100.0
11	Atrazine	1.1 lb/a	A								
11	DiFlexx DUO	24 fl oz/a	C								
11	MSO	1 % v/v	C								
11	AMS	8.5 lb/100 gal	C								
12	Harness MAX	2 qt/a	A	100.0	100.0	100.0	100.0	0.0	98.8	100.0	100.0
12	Atrazine	1.1 lb/a	A								
12	Capreno	3 fl oz/a	C								
12	Surfactant	0.25 % v/v	C								
12	AMS	8.5 lb/100 gal	C								
13	Corvus	3.3 fl oz/a	A	100.0	100.0	100.0	100.0	0.0	99.5	100.0	100.0
13	Atrazine	1.1 lb/a	A								
13	Harness MAX	1.75 qt/a	B								
13	Surfactant	0.25 % v/v	B								
13	AMS	8.5 lb/100 gal	B								
14	Harness Xtra 5.6L	2 qt/a	A	100.0	100.0	100.0	100.0	0.0	95.3	100.0	100.0
14	Balance Flexx	3 fl oz/a	A								
14	DiFlexx	8 fl oz/a	C								
14	MSO	1 % v/v	C								
14	AMS	8.5 lb/100 gal	C								

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 Project ID: Study Director: Burns, Craft
 Sponsor Contact:

Pest Code			CHEAL	AMAPO	AMBEL	ABUTH		ANGR	CHEAL	AMAPO	
Crop Type, Code							ZEAMX				
Rating Date			Jul-12-2019	Jul-12-2019	Jul-12-2019	Jul-12-2019	Jul-23-2019	Jul-23-2019	Jul-23-2019	Jul-23-2019	
Rating Type			Control	Control	Control	Control	injury	Control	Control	Control	
Rating Unit			percent	percent	percent	percent	percent	percent	percent	percent	
Trt-Eval Interval			19 DA-C	19 DA-C	19 DA-C	19 DA-C	30 DA-C	30 DA-C	30 DA-C	30 DA-C	
Trt No.	Treatment Name	Rate Unit	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
15	Harness Xtra 5.6L	2 qt/a	A	100.0	100.0	100.0	99.5	0.0	99.5	100.0	100.0
15	Balance Flexx	3 fl oz/a	A								
15	Capreno	3 fl oz/a	C								
15	Surfactant	0.25 % v/v	C								
15	AMS	8.5 lb/100 gal	C								
16	Harness MAX	40 fl oz/a	A	100.0	100.0	100.0	100.0	0.0	99.5	100.0	100.0
16	Harness MAX	40 fl oz/a	B								
16	Surfactant	0.25 % v/v	B								
16	AMS	8.5 lb/100 gal	B								
17	Degree Xtra	3 qt/a	B	100.0	100.0	100.0	100.0	0.0	62.5	100.0	100.0
17	Capreno	3 fl oz/a	B								
17	Surfactant	0.25 % v/v	B								
17	AMS	8.5 lb/100 gal	B								
18	Halex GT	1.8 qt/a	B	100.0	100.0	100.0	100.0	0.0	88.3	100.0	100.0
18	Atrazine	1.1 lb/a	B								
18	Surfactant	0.25 % v/v	B								
18	AMS	8.5 lb/100 gal	B								
19	Zidua SC	3.2 fl oz/a	A	100.0	100.0	100.0	100.0	0.0	97.3	100.0	100.0
19	Sharpen	2 fl oz/a	A								
19	Atrazine	1.1 lb/a	A								
19	Roundup PowerMax	32 fl oz/a	C								
19	AMS	8.5 lb/100 gal	C								
	LSD P=.05			0.80	1.00	0.67	0.69	.	6.06	2.78	1.63
	Standard Deviation			0.56	0.71	0.47	0.49	0.00	4.27	1.96	1.15
	CV			0.59	0.75	0.5	0.51	0.0	4.88	2.08	1.22

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 Sponsor Contact:

Pest Code			AMBEL	ABUTH	ZEAMX	ZEAMX	ZEAMX	
Crop Type, Code			Control	Control	test weight	moisture	YIELD	
Rating Date			percent	percent	lbs/bu	percent	BU	
Rating Type			30 DA-C	30 DA-C	114 DA-C	114 DA-C	at 15% M	
Rating Unit								
Trt-Eval Interval								
Trt No.	Treatment Name	Rate Unit	Appl Code					
1	Harness Xtra 5.6L	2.4 qt/a	A	95.8	95.8	54.53	20.80	179.3
2	Harness Xtra 5.6L	2 qt/a	A	100.0	100.0	53.78	21.60	186.1
2	Balance Flexx	3 fl oz/a	A					
3	Harness Xtra 5.6L	2 qt/a	A	100.0	99.5	53.73	21.25	188.9
3	Corvus	3.3 fl oz/a	A					
4	Corvus	4.5 fl oz/a	A	100.0	100.0	53.65	22.00	171.0
4	Atrazine	1.1 lb/a	A					
5	Corvus	4.5 fl oz/a	A	100.0	99.5	53.85	21.95	183.7
5	Harness Xtra 5.6L	1.6 qt/a	A					
6	Harness MAX	2 qt/a	A	100.0	100.0	54.35	21.73	187.8
6	Atrazine	1.1 lb/a	A					
7	Acuron	2.5 qt/a	A	100.0	100.0	54.78	20.38	177.1
8	Resicore	2.5 qt/a	A	100.0	100.0	54.10	21.50	177.3
8	Atrazine	1.1 lb/a	A					
9	Untreated			0.0	0.0	54.98	21.45	131.2
10	Harness MAX	2 qt/a	A	100.0	100.0	54.45	20.45	169.6
10	Atrazine	1.1 lb/a	A					
10	DiFlexx	8 fl oz/a	C					
10	MSO	1 % v/v	C					
10	AMS	8.5 lb/100 gal	C					
11	Harness MAX	2 qt/a	A	100.0	100.0	56.00	20.75	171.9
11	Atrazine	1.1 lb/a	A					
11	DiFlexx DUO	24 fl oz/a	C					
11	MSO	1 % v/v	C					
11	AMS	8.5 lb/100 gal	C					
12	Harness MAX	2 qt/a	A	100.0	100.0	54.33	21.30	182.3
12	Atrazine	1.1 lb/a	A					
12	Capreno	3 fl oz/a	C					
12	Surfactant	0.25 % v/v	C					
12	AMS	8.5 lb/100 gal	C					
13	Corvus	3.3 fl oz/a	A	100.0	100.0	54.30	22.40	194.6
13	Atrazine	1.1 lb/a	A					
13	Harness MAX	1.75 qt/a	B					
13	Surfactant	0.25 % v/v	B					
13	AMS	8.5 lb/100 gal	B					
14	Harness Xtra 5.6L	2 qt/a	A	100.0	100.0	55.05	19.83	207.9
14	Balance Flexx	3 fl oz/a	A					
14	DiFlexx	8 fl oz/a	C					
14	MSO	1 % v/v	C					
14	AMS	8.5 lb/100 gal	C					

Missing data estimates are included in columns: Average=26,28
 Could not calculate LSD (% mean diff) for columns 1,3,4,5,7,13,19 because error mean square = 0.

Michigan State University

Comparison of weed control systems in corn

Trial ID: C03-19 Location: Campus C-28 Trial Year: 2019
 Protocol ID: C03-19 Investigator: Erin Burns
 Project ID: Study Director: Burns, Craft
 Sponsor Contact:

Pest Code			AMBEL	ABUTH				
Crop Type, Code					ZEAMX	ZEAMX	ZEAMX	
Rating Date			Jul-23-2019	Jul-23-2019	Oct-15-2019	Oct-15-2019	Oct-15-2019	
Rating Type			Control	Control	test weight	moisture	YIELD	
Rating Unit			percent	percent	lbs/bu	percent	BU	
Trt-Eval Interval			30 DA-C	30 DA-C	114 DA-C	114 DA-C	at 15% M	
Trt No.	Treatment Name	Rate Unit	Rate	Rate	Rate	Rate	Rate	
15	Harness Xtra 5.6L	2 qt/a	A	100.0	100.0	54.35	21.03	189.8
15	Balance Flexx	3 fl oz/a	A					
15	Capreno	3 fl oz/a	C					
15	Surfactant	0.25 % v/v	C					
15	AMS	8.5 lb/100 gal	C					
16	Harness MAX	40 fl oz/a	A	100.0	100.0	53.68	22.15	218.0
16	Harness MAX	40 fl oz/a	B					
16	Surfactant	0.25 % v/v	B					
16	AMS	8.5 lb/100 gal	B					
17	Degree Xtra	3 qt/a	B	100.0	100.0	54.50	20.07	213.1
17	Capreno	3 fl oz/a	B					
17	Surfactant	0.25 % v/v	B					
17	AMS	8.5 lb/100 gal	B					
18	Halex GT	1.8 qt/a	B	100.0	100.0	54.78	21.03	193.6
18	Atrazine	1.1 lb/a	B					
18	Surfactant	0.25 % v/v	B					
18	AMS	8.5 lb/100 gal	B					
19	Zidua SC	3.2 fl oz/a	A	100.0	100.0	53.75	22.63	189.0
19	Sharpen	2 fl oz/a	A					
19	Atrazine	1.1 lb/a	A					
19	Roundup PowerMax	32 fl oz/a	C					
19	AMS	8.5 lb/100 gal	C					
	LSD P=.05			1.41	1.50	1.181	1.412	29.72
	Standard Deviation			1.00	1.05	0.833	0.995	20.95
	CV			1.06	1.12	1.53	4.68	11.34

Missing data estimates are included in columns: Average=26,28
 Could not calculate LSD (% mean diff) for columns 1,3,4,5,7,13,19 because error mean square = 0.