

MSU Weed Science Research Program

Weed control programs in Enlist corn

Trial ID: C05-12 Study Dir.: Sprague, Powell  
 Conducted: T-17 Campus Investigator: Christy Sprague

**Date Planted:** May/21/2012 **Row Spacing:** 30 IN  
**Variety:** Enlist **No. of Reps:** 4  
**Population:** 28,000 seeds/acre **% OM:** 3.6  
**Soil Type:** Loam **pH:** 6.1  
**Plot Size:** 10 X 30 FT **Design:** RANDOMIZED COMPLETE BLOCK

**Tillage:** Fall chisel plow; spring soil finish  
**Fertilizer:** 300 lb/acre urea broadcast, 125 lb/acre 19-19-19 with planter

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1.	ANGR	mainly foxtail species	SETARIA SP.
2.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMAPO	AMARANTH, POWELL	AMARANTHUS POWELLII S. WATS.
4.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISII FOLIA L.
5.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
Crop	Code	Common Name	
1.	ZEAMX	CORN	

**Application Description**

	A	B	C
<b>Application Timing:</b>	PRE	EPOS	POST
<b>Date Treated:</b>	May/22/2012	Jun/14/2012	Jun/22/2012
<b>Time Treated:</b>	4:30 PM	5:00 PM	9:35 AM
<b>% Cloud Cover:</b>	0	20	35
<b>Air Temp., Unit:</b>	78 F	83 F	80 F
<b>% Relative Humidity:</b>	30	30	36
<b>Wind Speed/Unit/Dir:</b>	6 mph N	8 mph E	1 mph NE
<b>Soil Temp., Unit:</b>	73 F	79 F	73 F
<b>Soil/Leaf Surface M:</b>	4 -	5 5	5 4
<b>Soil Moist (1=w 5=d):</b>	3	5	5

**Crop Stage at Each Application**

	A	B	C
<b>Crop Name:</b>	ZEAMX	ZEAMX	ZEAMX
<b>Height (In.):</b>	-	8"	24"
<b>Stage (L):</b>	-	V4	V6

**Weed Stage at Each Application**

	A	B	C
<b>Weed 1 Name:</b>	ANGR	ANGR	ANGR
<b>Height (In.):</b>	-	3"	4"
<b>Stage (L):</b>	-	4	4
<b>Weed 2 Name:</b>	CHEAL	CHEAL	CHEAL
<b>Height (In.):</b>	-	1"	2"
<b>Stage (L):</b>	-	2	8
<b>Weed 3 Name:</b>	AMAPO	AMAPO	AMAPO
<b>Height (In.):</b>	-	.5"	2"
<b>Stage (L):</b>	-	2	6
<b>Weed 4 Name:</b>	AMBEL	AMBEL	AMBEL
<b>Height (In.):</b>	-	0.5"	1.5"
<b>Stage (L):</b>	-	2	4
<b>Weed 5 Name:</b>	ABUTH	ABUTH	ABUTH
<b>Height (In.):</b>	-	1"	2.5"
<b>Stage (L):</b>	-	2	4

**Weed Density (plants/sq. ft.)**

<b>Date:</b>	1	Jul/09/2012
<b>Weed Name:</b>		ANGR
<b>Density:</b>	7	
<b>Date:</b>	7	Jul/09/2012
<b>Weed Name:</b>		CHEAL
<b>Density:</b>	6	
<b>Date:</b>	6	Jul/09/2012
<b>Weed Name:</b>		AMAPO
<b>Density:</b>	1	
<b>Date:</b>	1	Jul/09/2012
<b>Weed Name:</b>		AMBEL
<b>Density:</b>	8	
<b>Date:</b>	8	Jul/09/2012
<b>Weed Name:</b>		ABUTH
<b>Density:</b>	1	

## MSU Weed Science Research Program

Appl	Sprayer	Speed	Nozzle	Application Equipment				GPA	Carrier	PSI
				Nozzle	Nozzle	Nozzle	Boom			
	Type	MPH	Type	Size	Height	Spacing	Width			
<b>A</b>	Cub	3.8	AI XR	11003	22"	20"	100"	19	Water	28
<b>B</b>	Cub	3.8	AI XR	11003	25"	20"	100"	19	Water	28
<b>C</b>	Cub	3.8	AI XR	11003	27"	20"	100"	19	Water	28

## MSU Weed Science Research Program

Weed control programs in Enlist corn

Trial ID: C05-12 Study Dir.: Sprague, Powell  
 Conducted: T-17 Campus Investigator: Christy Sprague

Weed Code	ANGR	CHEAL	AMAPO	AMBEL
Crop Code	ZEAMX			
Rating Data Type	injury	control	control	control
Rating Unit	percent	percent	percent	percent
Rating Date	Jun/22/2012	Jun/22/2012	Jun/22/2012	Jun/22/2012
Trt-Eval Interval	8 DA-B	8 DA-B	8 DA-B	8 DA-B
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Grow Stg	Appl Code					
1	SureStart	4.16	L	1.65	pt/a	PRE	A	0	97	99	99	97
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
2	SureStart	4.16	L	1.65	pt/a	PRE	A	0	94	98	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
3	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	0	98	98	99	73
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Clarity	4	L	1	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
4	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	0	96	98	99	75
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Status	56	WG	10	oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
5	Corvus	2.63	L	3.7	fl oz/a	PRE	A	0	96	99	99	98
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
6	Lumax	3.95	L	2	qt/a	PRE	A	0	92	99	99	94
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
7	Verdict	5.57	L	9.3	fl oz/a	PRE	A	0	91	97	99	98
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
8	Untreated							0	0	0	0	0
9	SureStart	4.16	L	1.65	pt/a	EPOS	B	0	99	99	99	99
	Durango DMA	4	SL	24	fl oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
10	SureStart	4.16	L	1.65	pt/a	EPOS	B	0	99	99	99	98
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
11	Harness Xtra	5.6	L	1.6	qt/a	EPOS	B	0	99	99	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	EPOS	B					
	Status	56	WG	10	oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
12	Corvus	2.63	L	3.7	fl oz/a	EPOS	B	10	99	99	99	96
	Durango DMA	4	SL	24	fl oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
13	Expert	4.88	L	3	qt/a	EPOS	B	0	99	99	99	99
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
14	Halex GT	4.38	L	4	pt/a	EPOS	B	0	99	99	99	99
	Preference (NIS)		L	0.25	% v/v	EPOS	B					
	N-Pak (AMS)		WG	1	% v/v	EPOS	B					
15	Untreated							0	0	0	0	0
16	SureStart	4.16	L	1.65	pt/a	POST	C					
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
17	SureStart	4.16	L	1.65	pt/a	POST	C					
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					

## MSU Weed Science Research Program

Weed Code									
Crop Code									
Rating Data Type									
Rating Unit									
Rating Date									
Trt-Eval Interval									
# Subsamples, Dec.									

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Form Unit	Grow Stg	Appl Code	ZEAMX injury percent	ANGR control percent	CHEAL control percent	AMAPO control percent	AMBEL control percent
18	Harness Xtra	5.6	L	1.6	qt/a	POST	C					
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Status	56	WG	10	oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
19	Expert	4.88	L	3	qt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
20	Halex GT	4.38	L	4	pt/a	POST	C					
	Preference (NIS)		L	0.25	% v/v	POST	C					
	N-Pak (AMS)		L	1	% v/v	POST	C					
21	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
22	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
23	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Clarity	4	L	1	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
24	Untreated											
LSD (P=.05)								1.4	2.6	1.4	0.4	3.3
CV								149.95	2.17	1.18	0.3	2.8

Means followed by same letter do not significantly differ (P=.05, LSD)

## MSU Weed Science Research Program

Weed Code	ABUTH		ANGR	CHEAL	AMAPO							
Crop Code		ZEAMX										
Rating Data Type	control	injury	control	control	control							
Rating Unit	percent	percent	percent	percent	percent							
Rating Date	Jun/22/2012	Jun/29/2012	Jun/29/2012	Jun/29/2012	Jun/29/2012							
Trt-Eval Interval	8 DA-B	15 DA-B	15 DA-B	15 DA-B	15 DA-B							
# Subsamples, Dec.	0	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code					
1	SureStart	4.16	L	1.65	pt/a	PRE	A	99	0	99	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
2	SureStart	4.16	L	1.65	pt/a	PRE	A	99	0	99	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
3	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	71	16	99	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Clarity	4	L	1	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
4	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	70	2	99	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Status	56	WG	10	oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
5	Corvus	2.63	L	3.7	fl oz/a	PRE	A	98	0	99	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
6	Lumax	3.95	L	2	qt/a	PRE	A	99	0	99	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
7	Verdict	5.57	L	9.3	fl oz/a	PRE	A	99	0	99	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
8	Untreated							0	0	0	0	0
9	SureStart	4.16	L	1.65	pt/a	EPOS	B	99	0	99	99	99
	Durango DMA	4	SL	24	fl oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
10	SureStart	4.16	L	1.65	pt/a	EPOS	B	99	0	99	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
11	Harness Xtra	5.6	L	1.6	qt/a	EPOS	B	99	0	99	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	EPOS	B					
	Status	56	WG	10	oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
12	Corvus	2.63	L	3.7	fl oz/a	EPOS	B	99	4	99	99	99
	Durango DMA	4	SL	24	fl oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
13	Expert	4.88	L	3	qt/a	EPOS	B	99	0	99	99	99
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
14	Halex GT	4.38	L	4	pt/a	EPOS	B	99	0	99	99	99
	Preference (NIS)		L	0.25	% v/v	EPOS	B					
	N-Pak (AMS)		WG	1	% v/v	EPOS	B					
15	Untreated							0	0	0	0	0
16	SureStart	4.16	L	1.65	pt/a	POST	C		0	99	96	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
17	SureStart	4.16	L	1.65	pt/a	POST	C		0	99	98	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
18	Harness Xtra	5.6	L	1.6	qt/a	POST	C		7	99	97	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Status	56	WG	10	oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
19	Expert	4.88	L	3	qt/a	POST	C		0	98	97	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					

## MSU Weed Science Research Program

Weed Code	ABUTH				
Crop Code		ZEAMX			
Rating Data Type	control	injury	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Rating Date	Jun/22/2012	Jun/29/2012	Jun/29/2012	Jun/29/2012	Jun/29/2012
Trt-Eval Interval	8 DA-B	15 DA-B	15 DA-B	15 DA-B	15 DA-B
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	ABUTH	ZEAMX	ANGR	CHEAL	AMAPO
20	Halex GT	4.38	L	4	pt/a	POST	C	0		99	87	99
	Preference (NIS)		L	0.25	% v/v	POST	C					
	N-Pak (AMS)		L	1	% v/v	POST	C					
21	Durango DMA	4	SL	24	fl oz/a	POST	C	0		99	92	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
22	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C	0		99	90	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
23	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C	18		99	94	99
	Clarity	4	L	1	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
24	Untreated							0		0	0	0
LSD (P=.05)								3.2	1.8	0.9	2.0	0.0
CV								2.75	66.08	0.7	1.7	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)

## MSU Weed Science Research Program

Weed Code		AMBEL	ABUTH	ZEAMX	ANGR	CHEAL						
Crop Code												
Rating Data Type		control	control	injury	control	control						
Rating Unit		percent	percent	percent	percent	percent						
Rating Date		Jun/29/2012	Jun/29/2012	Jul/06/2012	Jul/06/2012	Jul/06/2012						
Trt-Eval Interval		15 DA-B	15 DA-B	14 DA-C	14 DA-C	14 DA-C						
# Subsamples, Dec.		0	0	0	0	0						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code					
1	SureStart	4.16	L	1.65	pt/a	PRE	A	99	99	0	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
2	SureStart	4.16	L	1.65	pt/a	PRE	A	98	99	0	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
3	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	96	96	0	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Clarity	4	L	1	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
4	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	96	97	0	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Status	56	WG	10	oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
5	Corvus	2.63	L	3.7	fl oz/a	PRE	A	99	99	0	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
6	Lumax	3.95	L	2	qt/a	PRE	A	99	99	0	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
7	Verdict	5.57	L	9.3	fl oz/a	PRE	A	99	99	0	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
8	Untreated							0	0	0	0	0
9	SureStart	4.16	L	1.65	pt/a	EPOS	B	98	99	0	99	97
	Durango DMA	4	SL	24	fl oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
10	SureStart	4.16	L	1.65	pt/a	EPOS	B	99	99	0	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
11	Harness Xtra	5.6	L	1.6	qt/a	EPOS	B	99	99	0	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	EPOS	B					
	Status	56	WG	10	oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
12	Corvus	2.63	L	3.7	fl oz/a	EPOS	B	98	99	0	99	99
	Durango DMA	4	SL	24	fl oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
13	Expert	4.88	L	3	qt/a	EPOS	B	99	99	0	99	99
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
14	Halex GT	4.38	L	4	pt/a	EPOS	B	99	99	0	99	99
	Preference (NIS)		L	0.25	% v/v	EPOS	B					
	N-Pak (AMS)		WG	1	% v/v	EPOS	B					
15	Untreated							0	0	0	0	0
16	SureStart	4.16	L	1.65	pt/a	POST	C	87	98	0	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
17	SureStart	4.16	L	1.65	pt/a	POST	C	92	96	0	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
18	Harness Xtra	5.6	L	1.6	qt/a	POST	C	93	92	3	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Status	56	WG	10	oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
19	Expert	4.88	L	3	qt/a	POST	C	86	88	0	99	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					

## MSU Weed Science Research Program

Weed Code		AMBEL	ABUTH		ZEAMX	ANGR	CHEAL
Crop Code							
Rating Data Type		control	control		injury	control	control
Rating Unit		percent	percent		percent	percent	percent
Rating Date		Jun/29/2012	Jun/29/2012		Jul/06/2012	Jul/06/2012	Jul/06/2012
Trt-Eval Interval		15 DA-B	15 DA-B		14 DA-C	14 DA-C	14 DA-C
# Subsamples, Dec.		0	0		0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	AMBEL	ABUTH	ZEAMX	ANGR	CHEAL
20	Halex GT	4.38	L	4	pt/a	POST	C	82	78	0	99	99
	Preference (NIS)		L	0.25	% v/v	POST	C					
	N-Pak (AMS)		L	1	% v/v	POST	C					
21	Durango DMA	4	SL	24	fl oz/a	POST	C	83	93	0	99	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
22	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C	88	94	0	99	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
23	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C	89	95	8	99	99
	Clarity	4	L	1	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
24	Untreated							0	0	0	0	0
LSD (P=.05)								4.8	4.3	0.4	0.0	1.3
CV								4.09	3.58	68.36	0.0	1.09

Means followed by same letter do not significantly differ (P=.05, LSD)



## MSU Weed Science Research Program

Weed Code							AMAPO	AMBEL	ABUTH		ANGR	
Crop Code										ZEAMX		
Rating Data Type							control	control	control	injury	control	
Rating Unit							percent	percent	percent	percent	percent	
Rating Date							Jul/06/2012	Jul/06/2012	Jul/06/2012	Jul/13/2012	Jul/13/2012	
Trt-Eval Interval							14 DA-C	14 DA-C	14 DA-C	21 DA-C	21 DA-C	
# Subsamples, Dec.							0	0	0	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	SureStart	4.16	L	1.65	pt/a	PRE	A	99	99	99	0	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
2	SureStart	4.16	L	1.65	pt/a	PRE	A	99	99	99	0	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
3	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	99	99	99	5	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Clarity	4	L	1	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
4	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	99	99	99	0	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Status	56	WG	10	oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
5	Corvus	2.63	L	3.7	fl oz/a	PRE	A	99	99	99	0	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
6	Lumax	3.95	L	2	qt/a	PRE	A	99	99	99	0	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
7	Verdict	5.57	L	9.3	fl oz/a	PRE	A	99	99	99	0	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
8	Untreated							0	0	0	0	0
9	SureStart	4.16	L	1.65	pt/a	EPOS	B	99	99	99	0	99
	Durango DMA	4	SL	24	fl oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
10	SureStart	4.16	L	1.65	pt/a	EPOS	B	99	99	99	0	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
11	Harness Xtra	5.6	L	1.6	qt/a	EPOS	B	99	99	99	0	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	EPOS	B					
	Status	56	WG	10	oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
12	Corvus	2.63	L	3.7	fl oz/a	EPOS	B	99	99	99	0	99
	Durango DMA	4	SL	24	fl oz/a	EPOS	B					
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
13	Expert	4.88	L	3	qt/a	EPOS	B	99	99	99	0	99
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B					
14	Halex GT	4.38	L	4	pt/a	EPOS	B	99	99	99	0	99
	Preference (NIS)		L	0.25	% v/v	EPOS	B					
	N-Pak (AMS)		WG	1	% v/v	EPOS	B					
15	Untreated							0	0	0	0	0
16	SureStart	4.16	L	1.65	pt/a	POST	C	99	96	99	0	99
	Durango DMA	4	SL	24	fl oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
17	SureStart	4.16	L	1.65	pt/a	POST	C	99	99	99	0	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
18	Harness Xtra	5.6	L	1.6	qt/a	POST	C	99	99	99	0	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C					
	Status	56	WG	10	oz/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
19	Expert	4.88	L	3	qt/a	POST	C	99	97	99	0	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					

## MSU Weed Science Research Program

Weed Code		AMAPO	AMBEL	ABUTH		ANGR						
Crop Code					ZEAMX							
Rating Data Type		control	control	control	injury	control						
Rating Unit		percent	percent	percent	percent	percent						
Rating Date		Jul/06/2012	Jul/06/2012	Jul/06/2012	Jul/13/2012	Jul/13/2012						
Trt-Eval Interval		14 DA-C	14 DA-C	14 DA-C	21 DA-C	21 DA-C						
# Subsamples, Dec.		0	0	0	0	0						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code					
20	Halex GT Preference (NIS)	4.38	L	4	pt/a	POST	C	99	96	99	0	99
	N-Pak (AMS)		L	0.25	% v/v	POST	C					
21	Durango DMA	4	SL	24	fl oz/a	POST	C	99	97	99	0	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
22	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C	99	99	99	0	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
23	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C	99	99	99	5	99
	Clarity	4	L	1	pt/a	POST	C					
	N-Pak (AMS)		L	2.5	% v/v	POST	C					
24	Untreated							0	0	0	0	0
LSD (P=.05)								0.0	1.5	0.0	0.0	0.4
CV								0.0	1.25	0.0	0.0	0.36

Means followed by same letter do not significantly differ (P=.05, LSD)

## MSU Weed Science Research Program

Weed Code	CHEAL	AMAPO	AMBEL	ABUTH							
Crop Code											
Rating Data Type	control	control	control	control							
Rating Unit	percent	percent	percent	percent							
Rating Date	Jul/13/2012	Jul/13/2012	Jul/13/2012	Jul/13/2012							
Trt-Eval Interval	21 DA-C	21 DA-C	21 DA-C	21 DA-C							
# Subsamples, Dec.	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code				
1	SureStart	4.16	L	1.65	pt/a	PRE	A	99	99	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
2	SureStart	4.16	L	1.65	pt/a	PRE	A	99	99	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
3	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	99	99	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C				
	Clarity	4	L	1	pt/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
4	Harness Xtra	5.6	L	1.6	qt/a	PRE	A	99	99	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C				
	Status	56	WG	10	oz/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
5	Corvus	2.63	L	3.7	fl oz/a	PRE	A	99	99	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
6	Lumax	3.95	L	2	qt/a	PRE	A	99	99	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
7	Verdict	5.57	L	9.3	fl oz/a	PRE	A	99	99	99	99
	Durango DMA	4	SL	24	fl oz/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
8	Untreated							0	0	0	0
9	SureStart	4.16	L	1.65	pt/a	EPOS	B	97	99	99	99
	Durango DMA	4	SL	24	fl oz/a	EPOS	B				
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B				
10	SureStart	4.16	L	1.65	pt/a	EPOS	B	99	99	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	EPOS	B				
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B				
11	Harness Xtra	5.6	L	1.6	qt/a	EPOS	B	99	99	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	EPOS	B				
	Status	56	WG	10	oz/a	EPOS	B				
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B				
12	Corvus	2.63	L	3.7	fl oz/a	EPOS	B	99	99	99	99
	Durango DMA	4	SL	24	fl oz/a	EPOS	B				
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B				
13	Expert	4.88	L	3	qt/a	EPOS	B	99	99	99	99
	N-Pak (AMS)		L	2.5	% v/v	EPOS	B				
14	Halex GT	4.38	L	4	pt/a	EPOS	B	99	99	99	99
	Preference (NIS)		L	0.25	% v/v	EPOS	B				
	N-Pak (AMS)		WG	1	% v/v	EPOS	B				
15	Untreated							0	0	0	0
16	SureStart	4.16	L	1.65	pt/a	POST	C	99	99	96	99
	Durango DMA	4	SL	24	fl oz/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
17	SureStart	4.16	L	1.65	pt/a	POST	C	99	99	99	99
	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
18	Harness Xtra	5.6	L	1.6	qt/a	POST	C	99	99	99	99
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C				
	Status	56	WG	10	oz/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
19	Expert	4.88	L	3	qt/a	POST	C	99	99	96	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C				

## MSU Weed Science Research Program

Weed Code	CHEAL	AMAPO	AMBEL	ABUTH
Crop Code				
Rating Data Type	control	control	control	control
Rating Unit	percent	percent	percent	percent
Rating Date	Jul/13/2012	Jul/13/2012	Jul/13/2012	Jul/13/2012
Trt-Eval Interval	21 DA-C	21 DA-C	21 DA-C	21 DA-C
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	CHEAL	AMAPO	AMBEL	ABUTH
20	Halex GT	4.38	L	4	pt/a	POST	C	99	99	98	99
	Preference (NIS)		L	0.25	% v/v	POST	C				
	N-Pak (AMS)		L	1	% v/v	POST	C				
21	Durango DMA	4	SL	24	fl oz/a	POST	C	99	99	98	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
22	Enlist Duo (GF-2726)	3.33	SL	3.5	pt/a	POST	C	99	99	99	99
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
23	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	C	99	99	99	99
	Clarity	4	L	1	pt/a	POST	C				
	N-Pak (AMS)		L	2.5	% v/v	POST	C				
24	Untreated							0	0	0	0
LSD (P=.05)								1.3	0.0	1.6	0.0
CV								1.04	0.0	1.3	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)