

Ohio State University
Horticulture and Crop Science

PRE AND EARLY POST WEED CONTROL IN CORN

Trial ID: 08PREEPOC Study Dir.: Anthony F. Dobbels
Location: WESTERN BRANCH F-7 Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

Study Director: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. SETFA	Giant foxtail	Setaria faberi
2. CHEAL	Common lambsquarters	Chenopodium album
3. AMBEL	Common ragweed	Ambrosia artemisiifolia
4. AMBTR	Giant ragweed	Ambrosia trifida
5. POLPY	Pennsylvania smartweed	Polygonum pennsylvanicum
6. ABUTH	Velvetleaf	Abutilon theophrasti

Crop 1: ZEAMX CORN, FIELD Variety: DEKALB DKC 63-42
Planting Date: Apr/24/2008 Planting Method: JOHN DEERE 7200
Rate: 32097 SEED/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 30 FT Reps: 3
Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% OM: 3 Texture: SILTY CLAY LOAM
pH: 6.7 Soil Name: KOKOMO
CEC: 24.6 Fert. Level: GOOD

APPLICATION DESCRIPTION

	A	B	C
Application Date:	Apr/24/2008	May/13/2008	Jun/12/2008
Time of Day:	11:00 A.M.	5:00 P.M.	1:00 A.M.
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPO	POST
Applic. Placement:	BROADCAST	BROADCAST	BROADCAST
Air Temp., Unit:	62 F	68 F	79 F
% Relative Humidity:	39	54	57
Wind Velocity, Unit:	8 E	9 SE	6 S
Soil Temp., Unit:	54 F	62 F	71 F
Soil Moisture:	DRY/MOIST	DRY/MOIST	DRY/MOIST
% Cloud Cover:	1	20	33

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX V2	ZEAMX V2	ZEAMX V6
Stage Scale:	DESC	DESC	
Height, Unit:	2 IN	19 IN	19 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA 1/4-1/2"	SETFA 1/4-1/2"	SETFA 2-4"
Stage Scale:	1 LV		3 LVS
Density, Unit:	204 M2		204 M2
Weed 2 Code, Stage:	CHEAL 1/2-1"	CHEAL 1/2-1"	CHEAL 1-2"
Stage Scale:	4 LVS		8 LVS
Density, Unit:	62 M2		62 M2
Weed 3 Code, Stage:	AMBEL 1"	AMBEL 1"	AMBEL 2-3"
Stage Scale:	4 LVS		4-6 LVS
Density, Unit:	10 M2		10 M2
Weed 4 Code, Stage:	AMBTR 1"	AMBTR 1"	AMBTR 4-6"
Stage Scale:	2 LVS		8-10 LVS
Density, Unit:	14 M2		14 M2
Weed 5 Code, Stage:	POLPY 1/2-3/4"	POLPY 1/2-3/4"	POLPY
Stage Scale:	3 LVS		
Density, Unit:	10 M2		10 M2
Weed 6 Code, Stage:	ABUTH	ABUTH	ABUTH 3"
Stage Scale:			7 LVS
Density, Unit:			0.66 M2

APPLICATION EQUIPMENT

	A		B		C	
Appl. Equipment:	BACKPACK		BACKPACK		BACKPACK	
Operating Pressure:	53		53		53	
Nozzle Type:	DG		DG		DG	
Nozzle Size:	11002		11002		11002	
Nozzle Spacing, Unit:	18	IN	18	IN	18	IN
Ground Speed, Unit:	3	MPH	3	MPH	3	MPH
Carrier:	WATER		WATER		WATER	
Spray Volume, Unit:	20	GPA	20	GPA	20	GPA
Propellant:	CO2		CO2		CO2	

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Trial ID: 08PREEPOC Study Dir.: Anthony F. Dobbels
Location: WESTERN BRANCH F-7 Investigator: Dr. Mark M. Loux

Weed Code		SETFA						AMBTR		AMBEL	
Crop Code		ZEAMX	ZEAMX	ZEAMX	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Data Type		CHLOROSIS	NECROSIS	PHYTO	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date		May/20/2008	May/20/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	
Trt-Eval Interval		7 DA-B	7 DA-B	AT POST	AT POST	AT POST	AT POST	AT POST	AT POST	AT POST	
# Subsamples, Dec.		0	0	0	0	0	0	0	0	0	
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	LUMAX	3 qt/a		PRE	A	0 b	0 b	0 a	85 abc	90 a	100 a
1	AATREX	1 qt/a		PRE							
2	LEXAR	3.5 qt/a		PRE	A	0 b	0 b	0 a	79 abc	73 a	90 a
3	SURESTART	1.75 pt/a		PRE	A	0 b	0 b	0 a	77 bc	68 a	77 ab
3	DURANGO	24 oz/a		POST	C						
3	AMS	4 qt/a		POST							
4	CORVUS	3.3 oz/a		PRE	A	0 b	0 b	0 a	83 abc	79 a	97 a
4	ATRAZINE	1.5 qt/a		PRE							
4	DURANGO	24 oz/a		POST	C						
4	AMS	4 qt/a		POST							
5	BALANCE FLEX	5 oz/a		PRE	A	0 b	0 b	0 a	75 bc	93 a	98 a
5	ATRAZINE	1.5 qt/a		PRE							
5	DURANGO	24 oz/a		POST	C						
5	AMS	4 qt/a		POST							
6	HARNESS XTRA 5.6	2.25 qt/a		PRE	A	1 b	0 b	0 a	91 abc	77 a	80 ab
6	IMPACT	0.75 oz/a		PRE							
6	DURANGO	24 oz/a		POST	C						
6	AMS	4 qt/a		POST							
7	LUMAX	2 qt/a		PRE	A	0 b	0 b	0 a	75 bc	70 a	60 b
7	LUMAX	1 qt/a		POST	C						
7	AATREX	1 qt/a		POST							
8	LEXAR	2.3 qt/a		PRE	A	0 b	0 b	0 a	73 c	70 a	87 a
8	LEXAR	1.2 qt/a		POST	C						
8	AATREX	0.5 qt/a		POST							
9	BICEP II MAGNUM	2.4 qt/a		PRE	A	0 b	0 b	0 a	83 abc	68 a	90 a
9	CALLISTO	3 oz/a		POST	C						
9	AATREX	8 oz/a		POST							
9	COC	0.8 qt/a		POST							
9	AMS	2 qt/a		POST							
10	SURESTART	1.75 pt/a		EPO	B	1 b	0 b	0 a	83 abc	96 a	96 a
10	DURANGO	24 oz/a		EPO							
10	AMS	4 qt/a		EPO							
11	CORVUS	5.6 oz/a		EPO	B	5 a	0 b	0 a	100 a	100 a	100 a
11	ATRAZINE	1.5 qt/a		EPO							
12	BALANCE FLEX	6 oz/a		EPO	B	4 a	0 b	0 a	95 ab	100 a	100 a
12	ATRAZINE	1.5 qt/a		EPO							
13	HARNESS XTRA 5.6	2.25 qt/a		EPO	B	0 b	6 a	0 a	99 a	100 a	100 a
13	IMPACT	0.75 oz/a		EPO							
13	COC	0.8 qt/a		EPO							
14	UTC					0 b	0 b	0 a	0 d	0 b	0 c
LSD (P=.05)						1.2	0.5	0.0	12.4	38.6	17.3
Standard Deviation						0.7	0.3	0.0	7.4	23.0	10.3
CV						90.0	76.24	0.0	9.43	29.67	12.27
Bartlett's X2						0.668	0.0	0.0	19.573	8.121	8.668
P(Bartlett's X2)						0.716	.	.	0.076	0.522	0.371

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Weed Code				SETFA	AMBTR	AMBEL					
Crop Code	ZEAMX	ZEAMX	ZEAMX								
Rating Data Type	CHLOROSIS	NECROSIS	PHYTO	CONTROL	CONTROL	CONTROL					
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT					
Rating Date	May/20/2008	May/20/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008					
Trt-Eval Interval	7 DA-B	7 DA-B	AT POST	AT POST	AT POST	AT POST					
# Subsamples, Dec.	0	0	0	0	0	0					
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
Replicate F						1.000	1.000	0.000	0.789	0.496	2.646
Replicate Prob(F)						0.3816	0.3816	1.0000	0.4648	0.6144	0.0900
Treatment F						15.857	72.250	0.000	32.147	3.742	20.288
Treatment Prob(F)						0.0001	0.0001	1.0000	0.0001	0.0020	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code						CHEAL	POLPY	ABUTH	AMARE	SETFA	AMBTR
Crop Code						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/26/2008	Jun/26/2008
Rating Date						AT POST	AT POST	AT POST	AT POST	14 DA-C	14 DA-C
Trt-Eval Interval						0	0	0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	LUMAX	3	qt/a	PRE	A	100 a	100 a	100 a	100 a	79 bc	87 ab
1	AATREX	1	qt/a	PRE							
2	LEXAR	3.5	qt/a	PRE	A	100 a	100 a	97 a	100 a	67 cd	83 ab
3	SURESTART	1.75	pt/a	PRE	A	90 a	100 a	97 a	100 a	97 a	97 a
3	DURANGO	24	oz/a	POST	C						
3	AMS	4	qt/a	POST							
4	CORVUS	3.3	oz/a	PRE	A	100 a	100 a	100 a	100 a	98 a	93 a
4	ATRAZINE	1.5	qt/a	PRE							
4	DURANGO	24	oz/a	POST	C						
4	AMS	4	qt/a	POST							
5	BALANCE FLEX	5	oz/a	PRE	A	98 a	100 a	100 a	100 a	96 a	100 a
5	ATRAZINE	1.5	qt/a	PRE							
5	DURANGO	24	oz/a	POST	C						
5	AMS	4	qt/a	POST							
6	HARNESS XTRA 5.6	2.25	qt/a	PRE	A	96 a	100 a	100 a	100 a	98 a	99 a
6	IMPACT	0.75	oz/a	PRE							
6	DURANGO	24	oz/a	POST	C						
6	AMS	4	qt/a	POST							
7	LUMAX	2	qt/a	PRE	A	83 a	100 a	100 a	100 a	73 cd	92 ab
7	LUMAX	1	qt/a	POST	C						
7	AATREX	1	qt/a	POST							
8	LEXAR	2.3	qt/a	PRE	A	100 a	100 a	100 a	100 a	78 bc	100 a
8	LEXAR	1.2	qt/a	POST	C						
8	AATREX	0.5	qt/a	POST							
9	BICEP II MAGNUM	2.4	qt/a	PRE	A	87 a	100 a	97 a	100 a	89 ab	97 a
9	CALLISTO	3	oz/a	POST	C						
9	AATREX	8	oz/a	POST							
9	COC	0.8	qt/a	POST							
9	AMS	2	qt/a	POST							
10	SURESTART	1.75	pt/a	EPO	B	100 a	100 a	95 a	100 a	63 d	77 b
10	DURANGO	24	oz/a	EPO							
10	AMS	4	qt/a	EPO							
11	CORVUS	5.6	oz/a	EPO	B	100 a	100 a	100 a	100 a	90 ab	99 a
11	ATRAZINE	1.5	qt/a	EPO							
12	BALANCE FLEX	6	oz/a	EPO	B	100 a	100 a	100 a	100 a	78 bc	100 a
12	ATRAZINE	1.5	qt/a	EPO							
13	HARNESS XTRA 5.6	2.25	qt/a	EPO	B	100 a	100 a	100 a	100 a	93 ab	96 a
13	IMPACT	0.75	oz/a	EPO							
13	COC	0.8	qt/a	EPO							
14	UTC					0 b	0 b	0 b	0 b	0 e	0 c
LSD (P=.05)						15.1	0.0	5.9	0.0	10.3	11.7
Standard Deviation						9.0	0.0	3.5	0.0	6.1	6.9
CV						10.03	0.0	3.85	0.0	7.78	7.97
Bartlett's X2						9.894	0.0	0.53	0.0	21.727	19.582
P(Bartlett's X2)						0.042*	.	0.912	.	0.027*	0.021*
Replicate F						1.278	0.000	1.000	0.000	2.396	4.400
Replicate Prob(F)						0.2955	1.0000	0.3816	1.0000	0.1109	0.0226
Treatment F						25.913	0.000	168.253	0.000	52.055	42.261
Treatment Prob(F)						0.0001	1.0000	0.0001	1.0000	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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Weed Code		AMBEL		CHEAL		POLPY		ABUTH		AMARE		SETFA	
Crop Code		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL	
Rating Data Type		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT	
Rating Unit		Jun/26/2008		Jun/26/2008		Jun/26/2008		Jun/26/2008		Jun/26/2008		Jul/09/2008	
Rating Date		14 DA-C		14 DA-C		14 DA-C		14 DA-C		14 DA-C		27 DA-C	
Trt-Eval Interval		0		0		0		0		0		0	
# Subsamples, Dec.													
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18		
1	LUMAX	3	qt/a	PRE	A	100 a	99 a	100 a	99 a	100 a	83	ab	
1	AATREX	1	qt/a	PRE									
2	LEXAR	3.5	qt/a	PRE	A	80 b	100 a	100 a	100 a	95 a	73	b	
3	SURESTART	1.75	pt/a	PRE	A	99 a	100 a	100 a	100 a	100 a	93	a	
3	DURANGO	24	oz/a	POST	C								
3	AMS	4	qt/a	POST									
4	CORVUS	3.3	oz/a	PRE	A	100 a	100 a	100 a	98 a	100 a	92	a	
4	ATRAZINE	1.5	qt/a	PRE									
4	DURANGO	24	oz/a	POST	C								
4	AMS	4	qt/a	POST									
5	BALANCE FLEX	5	oz/a	PRE	A	100 a	100 a	100 a	100 a	100 a	92	a	
5	ATRAZINE	1.5	qt/a	PRE									
5	DURANGO	24	oz/a	POST	C								
5	AMS	4	qt/a	POST									
6	HARNESS XTRA 5.6	2.25	qt/a	PRE	A	100 a	100 a	100 a	100 a	100 a	93	a	
6	IMPACT	0.75	oz/a	PRE									
6	DURANGO	24	oz/a	POST	C								
6	AMS	4	qt/a	POST									
7	LUMAX	2	qt/a	PRE	A	100 a	100 a	100 a	100 a	100 a	82	ab	
7	LUMAX	1	qt/a	POST	C								
7	AATREX	1	qt/a	POST									
8	LEXAR	2.3	qt/a	PRE	A	100 a	100 a	100 a	100 a	100 a	81	ab	
8	LEXAR	1.2	qt/a	POST	C								
8	AATREX	0.5	qt/a	POST									
9	BICEP II MAGNUM	2.4	qt/a	PRE	A	100 a	100 a	100 a	100 a	100 a	89	a	
9	CALLISTO	3	oz/a	POST	C								
9	AATREX	8	oz/a	POST									
9	COC	0.8	qt/a	POST									
9	AMS	2	qt/a	POST									
10	SURESTART	1.75	pt/a	EPO	B	85 ab	97 b	100 a	90 a	98 a	73	b	
10	DURANGO	24	oz/a	EPO									
10	AMS	4	qt/a	EPO									
11	CORVUS	5.6	oz/a	EPO	B	100 a	100 a	100 a	100 a	100 a	85	ab	
11	ATRAZINE	1.5	qt/a	EPO									
12	BALANCE FLEX	6	oz/a	EPO	B	100 a	100 a	100 a	100 a	100 a	82	ab	
12	ATRAZINE	1.5	qt/a	EPO									
13	HARNESS XTRA 5.6	2.25	qt/a	EPO	B	99 a	99 a	100 a	100 a	100 a	87	ab	
13	IMPACT	0.75	oz/a	EPO									
13	COC	0.8	qt/a	EPO									
14	UTC					0 c	0 c	0 b	0 b	0 b	0	c	
LSD (P=.05)						10.5	1.6	0.0	6.0	4.0	8.9		
Standard Deviation						6.2	1.0	0.0	3.5	2.4	5.3		
CV						6.9	1.04	0.0	3.86	2.58	6.69		
Bartlett's X2						14.091	1.579	0.0	7.76	2.007	10.484		
P(Bartlett's X2)						0.003*	0.454	.	0.021*	0.157	0.574		
Replicate F						1.949	0.695	0.000	1.794	1.677	4.864		
Replicate Prob(F)						0.1627	0.5081	1.0000	0.1863	0.2065	0.0161		
Treatment F						55.332	2301.697	0.000	168.508	374.548	60.022		
Treatment Prob(F)						0.0001	0.0001	1.0000	0.0001	0.0001	0.0001		

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Weed Code						AMBTR	AMBEL	CHEAL	AMARE	ABUTH	POLPY
Crop Code						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						Jul/09/2008	Jul/09/2008	Jul/09/2008	Jul/09/2008	Jul/09/2008	Jul/09/2008
Rating Date						27 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C
Trt-Eval Interval						0	0	0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	19	20	21	22	23	24
1	LUMAX	3	qt/a	PRE	A	88 a	97 a	100 a	100 a	100 a	100 a
1	AATREX	1	qt/a	PRE							
2	LEXAR	3.5	qt/a	PRE	A	93 a	92 ab	98 a	100 a	100 a	100 a
3	SURESTART	1.75	pt/a	PRE	A	100 a	100 a	98 a	100 a	99 a	100 a
3	DURANGO	24	oz/a	POST	C						
3	AMS	4	qt/a	POST							
4	CORVUS	3.3	oz/a	PRE	A	90 a	98 a	100 a	100 a	97 a	100 a
4	ATRAZINE	1.5	qt/a	PRE							
4	DURANGO	24	oz/a	POST	C						
4	AMS	4	qt/a	POST							
5	BALANCE FLEX	5	oz/a	PRE	A	99 a	99 a	100 a	99 a	100 a	100 a
5	ATRAZINE	1.5	qt/a	PRE							
5	DURANGO	24	oz/a	POST	C						
5	AMS	4	qt/a	POST							
6	HARNESS XTRA 5.6	2.25	qt/a	PRE	A	100 a	100 a	99 a	100 a	100 a	100 a
6	IMPACT	0.75	oz/a	PRE							
6	DURANGO	24	oz/a	POST	C						
6	AMS	4	qt/a	POST							
7	LUMAX	2	qt/a	PRE	A	100 a	100 a	100 a	100 a	100 a	100 a
7	LUMAX	1	qt/a	POST	C						
7	AATREX	1	qt/a	POST							
8	LEXAR	2.3	qt/a	PRE	A	100 a	100 a	100 a	100 a	100 a	100 a
8	LEXAR	1.2	qt/a	POST	C						
8	AATREX	0.5	qt/a	POST							
9	BICEP II MAGNUM	2.4	qt/a	PRE	A	100 a	100 a	100 a	100 a	100 a	100 a
9	CALLISTO	3	oz/a	POST	C						
9	AATREX	8	oz/a	POST							
9	COC	0.8	qt/a	POST							
9	AMS	2	qt/a	POST							
10	SURESTART	1.75	pt/a	EPO	B	77 b	87 b	90 a	100 a	80 b	100 a
10	DURANGO	24	oz/a	EPO							
10	AMS	4	qt/a	EPO							
11	CORVUS	5.6	oz/a	EPO	B	90 a	100 a	100 a	100 a	100 a	100 a
11	ATRAZINE	1.5	qt/a	EPO							
12	BALANCE FLEX	6	oz/a	EPO	B	100 a	100 a	100 a	100 a	100 a	100 a
12	ATRAZINE	1.5	qt/a	EPO							
13	HARNESS XTRA 5.6	2.25	qt/a	EPO	B	92 a	100 a	99 a	100 a	100 a	100 a
13	IMPACT	0.75	oz/a	EPO							
13	COC	0.8	qt/a	EPO							
14	UTC					0 c	0 c	0 b	0 b	0 c	0 b
LSD (P=.05)						9.7	7.0	8.0	0.6	9.2	0.0
Standard Deviation						5.8	4.2	4.8	0.4	5.5	0.0
CV						6.58	4.6	5.19	0.39	5.98	0.01
Bartlett's X2						10.024	8.9	20.488	0.877	23.334	0.0
P(Bartlett's X2)						0.124	0.064	0.001*	0.349	0.001*	.
Replicate F						2.069	1.866	1.558	0.536	1.112	0.000
Replicate Prob(F)						0.1466	0.1749	0.2304	0.5919	0.3445	1.0000
Treatment F						61.623	120.272	93.224	16677.818	72.281	33704219.370
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Weed Code						SETFA	AMBTR	AMBEL	CHEAL	ABUTH	POLPY
Crop Code						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						Aug/05/2008	Aug/05/2008	Aug/05/2008	Aug/05/2008	Aug/05/2008	Aug/05/2008
Rating Date						54 DA-C	54 DA-C	54 DA-C	54 DA-C	54 DA-C	54 DA-C
Trt-Eval Interval						0	0	0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	25	26	27	28	29	30
1	LUMAX	3 qt/a		PRE	A	67 ab	87 a	93 a	100 a	100 a	97 a
1	AATREX	1 qt/a		PRE							
2	LEXAR	3.5 qt/a		PRE	A	40 bc	84 a	73 b	97 a	95 a	100 a
3	SURESTART	1.75 pt/a		PRE	A	72 a	93 a	100 a	97 a	92 a	100 a
3	DURANGO	24 oz/a		POST	C						
3	AMS	4 qt/a		POST							
4	CORVUS	3.3 oz/a		PRE	A	72 a	83 a	97 a	100 a	100 a	100 a
4	ATRAZINE	1.5 qt/a		PRE							
4	DURANGO	24 oz/a		POST	C						
4	AMS	4 qt/a		POST							
5	BALANCE FLEX	5 oz/a		PRE	A	67 ab	100 a	100 a	100 a	100 a	100 a
5	ATRAZINE	1.5 qt/a		PRE							
5	DURANGO	24 oz/a		POST	C						
5	AMS	4 qt/a		POST							
6	HARNESS XTRA 5.6	2.25 qt/a		PRE	A	73 a	98 a	100 a	100 a	100 a	100 a
6	IMPACT	0.75 oz/a		PRE							
6	DURANGO	24 oz/a		POST	C						
6	AMS	4 qt/a		POST							
7	LUMAX	2 qt/a		PRE	A	50 abc	100 a	100 a	100 a	100 a	100 a
7	LUMAX	1 qt/a		POST	C						
7	AATREX	1 qt/a		POST							
8	LEXAR	2.3 qt/a		PRE	A	57 abc	100 a	100 a	100 a	100 a	100 a
8	LEXAR	1.2 qt/a		POST	C						
8	AATREX	0.5 qt/a		POST							
9	BICEP II MAGNUM	2.4 qt/a		PRE	A	70 a	100 a	100 a	100 a	100 a	100 a
9	CALLISTO	3 oz/a		POST	C						
9	AATREX	8 oz/a		POST							
9	COC	0.8 qt/a		POST							
9	AMS	2 qt/a		POST							
10	SURESTART	1.75 pt/a		EPO	B	33 c	72 a	82 ab	93 a	93 a	100 a
10	DURANGO	24 oz/a		EPO							
10	AMS	4 qt/a		EPO							
11	CORVUS	5.6 oz/a		EPO	B	60 abc	88 a	100 a	100 a	100 a	100 a
11	ATRAZINE	1.5 qt/a		EPO							
12	BALANCE FLEX	6 oz/a		EPO	B	52 abc	93 a	100 a	100 a	100 a	100 a
12	ATRAZINE	1.5 qt/a		EPO							
13	HARNESS XTRA 5.6	2.25 qt/a		EPO	B	72 a	75 a	100 a	95 a	100 a	100 a
13	IMPACT	0.75 oz/a		EPO							
13	COC	0.8 qt/a		EPO							
14	UTC					0 d	0 b	0 c	0 b	0 b	0 b
LSD (P=.05)						17.9	16.8	13.5	7.3	9.2	2.6
Standard Deviation						10.6	10.0	8.0	4.3	5.5	1.5
CV						19.01	11.91	9.05	4.75	6.02	1.67
Bartlett's X2						6.699	8.861	3.653	1.337	0.488	0.0
P(Bartlett's X2)						0.823	0.354	0.301	0.72	0.784	.
Replicate F						0.700	1.578	3.335	1.542	0.767	1.000
Replicate Prob(F)						0.5058	0.2255	0.0514	0.2328	0.4746	0.3816
Treatment F						11.090	20.164	33.434	110.947	69.464	896.385
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University
Horticulture and Crop Science

Weed Code AMARE
 Crop Code
 Rating Data Type CONTROL
 Rating Unit PERCENT
 Rating Date Aug/05/2008
 Trt-Eval Interval 54 DA-C
 # Subsamples, Dec. 0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	
						31
1	LUMAX	3 qt/a		PRE	A	93 a
1	AATREX	1 qt/a		PRE		
2	LEXAR	3.5 qt/a		PRE	A	100 a
3	SURESTART	1.75 pt/a		PRE	A	100 a
3	DURANGO	24 oz/a		POST	C	
3	AMS	4 qt/a		POST		
4	CORVUS	3.3 oz/a		PRE	A	100 a
4	ATRAZINE	1.5 qt/a		PRE		
4	DURANGO	24 oz/a		POST	C	
4	AMS	4 qt/a		POST		
5	BALANCE FLEX	5 oz/a		PRE	A	100 a
5	ATRAZINE	1.5 qt/a		PRE		
5	DURANGO	24 oz/a		POST	C	
5	AMS	4 qt/a		POST		
6	HARNESS XTRA 5.6	2.25 qt/a		PRE	A	100 a
6	IMPACT	0.75 oz/a		PRE		
6	DURANGO	24 oz/a		POST	C	
6	AMS	4 qt/a		POST		
7	LUMAX	2 qt/a		PRE	A	100 a
7	LUMAX	1 qt/a		POST	C	
7	AATREX	1 qt/a		POST		
8	LEXAR	2.3 qt/a		PRE	A	100 a
8	LEXAR	1.2 qt/a		POST	C	
8	AATREX	0.5 qt/a		POST		
9	BICEP II MAGNUM	2.4 qt/a		PRE	A	100 a
9	CALLISTO	3 oz/a		POST	C	
9	AATREX	8 oz/a		POST		
9	COC	0.8 qt/a		POST		
9	AMS	2 qt/a		POST		
10	SURESTART	1.75 pt/a		EPO	B	100 a
10	DURANGO	24 oz/a		EPO		
10	AMS	4 qt/a		EPO		
11	CORVUS	5.6 oz/a		EPO	B	100 a
11	ATRAZINE	1.5 qt/a		EPO		
12	BALANCE FLEX	6 oz/a		EPO	B	100 a
12	ATRAZINE	1.5 qt/a		EPO		
13	HARNESS XTRA 5.6	2.25 qt/a		EPO	B	98 a
13	IMPACT	0.75 oz/a		EPO		
13	COC	0.8 qt/a		EPO		
14	UTC					0 b
LSD (P=.05)						5.4
Standard Deviation						3.2
CV						3.48
Bartlett's X2						2.962
P(Bartlett's X2)						0.085
Replicate F						0.751
Replicate Prob(F)						0.4818
Treatment F						206.280
Treatment Prob(F)						0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.