

Ohio State University
Horticulture and Crop Science

PRE POST WEED CONTROL IN NO-TILL CORN

Trial ID: 08NTC2 Study Dir.: Anthony F. Dobbels
Location: WESTERN BRANCH F-9 E 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. STEME	Common chickweed	Stellaria media
2. LAMPU	Purple deadnettel	Lamium purpureum
3. SETFA	Giant foxtail	Setaria faberi
4. CHEAL	Common lambsquarters	Chenopodium album
5. AMBEL	Common ragweed	Ambrosia artemisiifolia
6. AMBTR	Giant ragweed	Ambrosia trifida
7. POLPY	Pennsylvania smartweed	Polygonum pennsylvanicum

Crop 1: ZEAMX CORN, FIELD Variety: DEKALB DKC 63-42
Planting Date: May/01/2008 Planting Method: JOHN DEERE 7200
Rate: 32097 SEED/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: NO-TILL

SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 30 FT Reps: 3
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% OM: 2.8 Texture: SILTY CLAY LOAM
pH: 5.7 Soil Name: KOKOMO
CEC: 20.7

APPLICATION DESCRIPTION

	A	B	C
Application Date:	Apr/02/2008	Apr/16/2008	May/30/2008
Time of Day:	2:30 P.M.	9:00 A.M.	9:00 A.M.
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	30 EPP	14 EPP	30 DAPL
Applic. Placement:	BROADCAST	BROADCAST	BROADCAST
Air Temp., Unit:	46 F	54 F	68 F
% Relative Humidity:	58	40	49
Wind Velocity, Unit:	6 NE	10 S	7 S
Soil Temp., Unit:	45 F	44 F	59 F
Soil Moisture:	MOIST/MOI	DRY/MOIST	DRY/MOIST
% Cloud Cover:	3	2	59

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX	ZEAMX	ZEAMX V5
Stage Scale:		COLLARS	
Height, Unit:		24	IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	STEME 3-4"	STEME 4-6"	STEME
Stage Scale:	>12 LVS	>12 LVS	
Density, Unit:	41 M2	41 M2	
Weed 2 Code, Stage:	LAMPU 2-3"	LAMPU 4-6"	LAMPU
Stage Scale:	>12 LVS	>12 LVS	
Density, Unit:	66 M2	66 M2	
Weed 3 Code, Stage:	SETFA	SETFA	SETFA 6-8"
Stage Scale:			5 LVS
Density, Unit:			260 M2
Weed 4 Code, Stage:	CHEAL	CHEAL	CHEAL 4"
Stage Scale:			6 LVS
Density, Unit:			41 M2
Weed 5 Code, Stage:	AMBEL	AMBEL	AMBEL 4"
Stage Scale:			6 LVS
Density, Unit:			34 M2
Weed 6 Code, Stage:	AMBTR	AMBTR	AMBTR 8"
Stage Scale:			8 LVS
Density, Unit:			28 M2
Weed 7 Code, Stage:	POLPY	POLPY	POLPY 4"
Stage Scale:			7 LVS
Density, Unit:			4 M2

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APPLICATION EQUIPMENT

	A		B		C	
Appl. Equipment:	BACKPACK		BACKPACK		BACKPACK	
Operating Pressure:	50		50		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: 08NTC2 Study Dir.: Anthony F. Dobbels
Location: WESTERN BRANCH F-9 E Investigator: Dr. Mark M. Loux

Weed Code		SETFA		ERICA		STEME		LAMPU		LAMAM		SETFA	
Crop Code		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL	
Rating Data Type		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT		PERCENT	
Rating Unit		Apr/28/2008		Apr/28/2008		Apr/28/2008		Apr/28/2008		Apr/28/2008		May/13/2008	
Rating Date		AT PLANT		AT PLANT		AT PLANT		AT PLANT		AT PLANT		14 DAPL	
Trt-Eval Interval		0		0		0		0		0		0	
# Subsamples, Dec.													
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6		
1	SURESTART	3	pt/a	30	EPP A	70 a	100 a	100 a	98 a	100 a	30	c	
1	DURANGO	24	oz/a	30	EPP								
1	AMS	4	qt/a	30	EPP								
1	DURANGO	24	oz/a	POST	C								
1	AMS	4	qt/a	POST									
2	SURESTART	3	pt/a	30	EPP A	53 ab	100 a	100 a	100 a	100 a	27	c	
2	ATRAZINE	1	qt/a	30	EPP								
2	DURANGO	24	oz/a	30	EPP								
2	AMS	4	qt/a	30	EPP								
2	DURANGO	24	oz/a	POST	C								
2	AMS	4	qt/a	POST									
3	LEXAR	3	qt/a	30	EPP A	63 a	100 a	100 a	100 a	100 a	50	b	
3	COC	0.8	qt/a	30	EPP								
3	DURANGO	24	oz/a	POST	C								
3	AMS	4	qt/a	POST									
4	LEXAR	3	qt/a	14	EPP B	76 a	100 a	100 a	100 a	100 a	67	ab	
4	COC	0.8	qt/a	14	EPP								
5	BAS 781	20	oz/a	14	EPP B	88 a	100 a	100 a	86 a	100 a	60	ab	
5	ROUNDUP POWERMAX	22	oz/a	14	EPP								
5	AMS	4	qt/a	14	EPP								
6	KIH-485	5	oz/a	14	EPP B	73 a	100 a	100 a	100 a	100 a	80	a	
6	ATRAZINE	1.5	qt/a	14	EPP								
6	ROUNDUP POWERMAX	22	oz/a	14	EPP								
6	AMS	4	qt/a	14	EPP								
7	GLYFOS XTRA	32	oz/a	14	EPP B	17 bc	100 a	100 a	90 a	98 a	0	c	
7	METRIBUZIN	2.67	oz/a	14	EPP								
7	AMS	4	qt/a	14	EPP								
8	GLYFOS XTRA	32	oz/a	14	EPP B	23 bc	100 a	100 a	99 a	100 a	7	c	
8	METRIBUZIN	4	oz/a	14	EPP								
8	AMS	4	qt/a	14	EPP								
9	GLYFOS XTRA	32	oz/a	14	EPP B	30 bc	100 a	100 a	100 a	100 a	10	c	
9	METRIBUZIN	5.33	oz/a	14	EPP								
9	AMS	4	qt/a	14	EPP								
10	GLYFOS XTRA	32	oz/a	14	EPP B	17 bc	100 a	100 a	86 a	87 a	7	c	
10	METRIBUZIN	2	oz/a	14	EPP								
10	AMS	4	qt/a	14	EPP								
10	GLYFOS XTRA	32	oz/a	POST	C								
10	METRIBUZIN	2	oz/a	POST									
10	AMS	4	qt/a	POST									
11	GLYFOS XTRA	32	oz/a	14	EPP B	23 bc	100 a	100 a	100 a	100 a	7	c	
11	ATRAZINE	32	oz/a	14	EPP								
11	AMS	4	qt/a	14	EPP								
12	CORVUS	5.6	oz/a	14	EPP B	68 a	100 a	100 a	100 a	100 a	78	a	
12	ATRAZINE	1.5	qt/a	14	EPP								
12	COC	0.8	qt/a	14	EPP								
13	CORVUS	5.6	oz/a	14	EPP B	72 a	100 a	100 a	100 a	100 a	77	a	
13	ATRAZINE	1.5	qt/a	14	EPP								
13	IGNITE	29	oz/a	14	EPP								
13	AMS	4	qt/a	14	EPP								
14	UTC					0 c	0 b	0 b	0 b	0 b	0 c		

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						SETFA	ERICA	STEME	LAMPU	LAMAM	SETFA	
Weed Code							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Crop Code							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type							Apr/28/2008	Apr/28/2008	Apr/28/2008	Apr/28/2008	Apr/28/2008	May/13/2008
Rating Unit							AT PLANT	AT PLANT	AT PLANT	AT PLANT	AT PLANT	14 DAPL
Rating Date							0	0	0	0	0	0
Trt-Eval Interval												
# 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	
	LSD (P=.05)					26.6	0.0	0.0	10.6	10.5	18.8	
	Standard Deviation					15.8	0.0	0.0	6.3	6.2	11.2	
	CV					32.84	0.0	0.0	7.02	6.81	31.47	
	Bartlett's X2					10.413	0.0	0.0	15.925	5.509	13.809	
	P(Bartlett's X2)					0.58	.	.	0.003*	0.019*	0.244	
	Replicate F					1.070	0.000	0.000	1.033	0.869	2.410	
	Replicate Prob(F)					0.3575	1.0000	1.0000	0.3699	0.4313	0.1096	
	Treatment F					9.760	0.000	0.000	52.669	54.571	24.031	
	Treatment Prob(F)					0.0001	1.0000	1.0000	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.

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Weed Code	ERICA	STEME	LAMAM	LAMPU	CHEAL	POLPY					
Crop Code	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL					
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT					
Rating Unit	May/13/2008	May/13/2008	May/13/2008	May/13/2008	May/13/2008	May/13/2008					
Rating Date	14 DAPL	14 DAPL	14 DAPL	14 DAPL	14 DAPL	14 DAPL					
Trt-Eval Interval	0	0	0	0	0	0					
# Subsamples, Dec.	0	0	0	0	0	0					
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	SURESTART	3 pt/a		30 EPP	A	100 a	100 a	100 a	100 a	80 ab	78 a
1	DURANGO	24 oz/a		30 EPP							
1	AMS	4 qt/a		30 EPP							
1	DURANGO	24 oz/a		POST	C						
1	AMS	4 qt/a		POST							
2	SURESTART	3 pt/a		30 EPP	A	100 a	100 a	100 a	100 a	88 ab	100 a
2	ATRAZINE	1 qt/a		30 EPP							
2	DURANGO	24 oz/a		30 EPP							
2	AMS	4 qt/a		30 EPP							
2	DURANGO	24 oz/a		POST	C						
2	AMS	4 qt/a		POST							
3	LEXAR	3 qt/a		30 EPP	A	100 a	100 a	100 a	100 a	100 a	95 a
3	COC	0.8 qt/a		30 EPP							
3	DURANGO	24 oz/a		POST	C						
3	AMS	4 qt/a		POST							
4	LEXAR	3 qt/a		14 EPP	B	100 a	100 a	100 a	100 a	100 a	100 a
4	COC	0.8 qt/a		14 EPP							
5	BAS 781	20 oz/a		14 EPP	B	100 a	100 a	87 a	69 b	85 ab	100 a
5	ROUNDUP POWERMAX	22 oz/a		14 EPP							
5	AMS	4 qt/a		14 EPP							
6	KIH-485	5 oz/a		14 EPP	B	100 a	100 a	100 a	100 a	100 a	100 a
6	ATRAZINE	1.5 qt/a		14 EPP							
6	ROUNDUP POWERMAX	22 oz/a		14 EPP							
6	AMS	4 qt/a		14 EPP							
7	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	100 a	100 a	83 ab	37 b	7 b
7	METRIBUZIN	2.67 oz/a		14 EPP							
7	AMS	4 qt/a		14 EPP							
8	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	100 a	100 a	97 a	83 ab	7 b
8	METRIBUZIN	4 oz/a		14 EPP							
8	AMS	4 qt/a		14 EPP							
9	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	100 a	100 a	100 a	80 ab	17 b
9	METRIBUZIN	5.33 oz/a		14 EPP							
9	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	93 a	83 a	83 ab	50 ab	0 b
10	METRIBUZIN	2 oz/a		14 EPP							
10	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		POST	C						
10	METRIBUZIN	2 oz/a		POST							
10	AMS	4 qt/a		POST							
11	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	100 a	100 a	100 a	90 ab	95 a
11	ATRAZINE	32 oz/a		14 EPP							
11	AMS	4 qt/a		14 EPP							
12	CORVUS	5.6 oz/a		14 EPP	B	100 a	100 a	100 a	100 a	100 a	100 a
12	ATRAZINE	1.5 qt/a		14 EPP							
12	COC	0.8 qt/a		14 EPP							
13	CORVUS	5.6 oz/a		14 EPP	B	100 a	100 a	100 a	100 a	100 a	100 a
13	ATRAZINE	1.5 qt/a		14 EPP							
13	IGNITE	29 oz/a		14 EPP							
13	AMS	4 qt/a		14 EPP							
14	UTC					0 b	0 b	0 b	0 c	0 c	0 b

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Weed Code	ERICA	STEME	LAMAM	LAMPU	CHEAL	POLPY					
Crop Code											
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL					
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT					
Rating Date	May/13/2008	May/13/2008	May/13/2008	May/13/2008	May/13/2008	May/13/2008					
Trt-Eval Interval	14 DAPL	14 DAPL	14 DAPL	14 DAPL	14 DAPL	14 DAPL					
# Subsamples, Dec.	0	0	0	0	0	0					
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
LSD (P=.05)						0.0	5.2	16.9	16.9	33.7	18.2
Standard Deviation						0.0	3.1	10.1	10.1	19.2	10.6
CV						0.0	3.34	11.09	11.44	24.65	16.58
Bartlett's X2						0.0	0.0	0.097	3.962	0.975	3.476
P(Bartlett's X2)						.	.	0.755	0.266	0.965	0.627
Replicate F						0.000	1.000	0.494	0.409	1.239	1.614
Replicate Prob(F)						1.0000	0.3816	0.6160	0.6685	0.3195	0.2252
Treatment F						0.000	223.692	21.072	21.610	7.059	54.848
Treatment Prob(F)						1.0000	0.0001	0.0001	0.0001	0.0004	0.0001

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Weed Code					SETFA	ERICA	STEME	LAMPU	LAMAM		
Crop Code					ZEAMX						
Rating Data Type					PHYTO	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date					May/27/2008	May/27/2008	May/27/2008	May/27/2008	May/27/2008		
Trt-Eval Interval					AT POST	AT POST	AT POST	AT POST	AT POST		
# Subsamples, Dec.					0	0	0	0	0		
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18
1	SURESTART	3 pt/a		30 EPP	A	0 a	27 d	100 a	100 a	100 a	100 a
1	DURANGO	24 oz/a		30 EPP							
1	AMS	4 qt/a		30 EPP							
1	DURANGO	24 oz/a		POST	C						
1	AMS	4 qt/a		POST							
2	SURESTART	3 pt/a		30 EPP	A	0 a	13 de	100 a	100 a	100 a	100 a
2	ATRAZINE	1 qt/a		30 EPP							
2	DURANGO	24 oz/a		30 EPP							
2	AMS	4 qt/a		30 EPP							
2	DURANGO	24 oz/a		POST	C						
2	AMS	4 qt/a		POST							
3	LEXAR	3 qt/a		30 EPP	A	0 a	47 c	100 a	100 a	100 a	100 a
3	COC	0.8 qt/a		30 EPP							
3	DURANGO	24 oz/a		POST	C						
3	AMS	4 qt/a		POST							
4	LEXAR	3 qt/a		14 EPP	B	0 a	60 bc	100 a	100 a	100 a	100 a
4	COC	0.8 qt/a		14 EPP							
5	BAS 781	20 oz/a		14 EPP	B	0 a	53 c	100 a	100 a	73 b	77 b
5	ROUNDUP POWERMAX	22 oz/a		14 EPP							
5	AMS	4 qt/a		14 EPP							
6	KIH-485	5 oz/a		14 EPP	B	0 a	85 a	100 a	100 a	100 a	100 a
6	ATRAZINE	1.5 qt/a		14 EPP							
6	ROUNDUP POWERMAX	22 oz/a		14 EPP							
6	AMS	4 qt/a		14 EPP							
7	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	0 e	100 a	100 a	90 ab	93 a
7	METRIBUZIN	2.67 oz/a		14 EPP							
7	AMS	4 qt/a		14 EPP							
8	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	0 e	100 a	100 a	87 ab	93 a
8	METRIBUZIN	4 oz/a		14 EPP							
8	AMS	4 qt/a		14 EPP							
9	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	0 e	100 a	100 a	100 a	100 a
9	METRIBUZIN	5.33 oz/a		14 EPP							
9	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	0 e	100 a	100 a	83 ab	100 a
10	METRIBUZIN	2 oz/a		14 EPP							
10	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		POST	C						
10	METRIBUZIN	2 oz/a		POST							
10	AMS	4 qt/a		POST							
11	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	7 e	100 a	100 a	100 a	100 a
11	ATRAZINE	32 oz/a		14 EPP							
11	AMS	4 qt/a		14 EPP							
12	CORVUS	5.6 oz/a		14 EPP	B	0 a	76 ab	100 a	100 a	100 a	100 a
12	ATRAZINE	1.5 qt/a		14 EPP							
12	COC	0.8 qt/a		14 EPP							
13	CORVUS	5.6 oz/a		14 EPP	B	0 a	75 ab	100 a	100 a	100 a	100 a
13	ATRAZINE	1.5 qt/a		14 EPP							
13	IGNITE	29 oz/a		14 EPP							
13	AMS	4 qt/a		14 EPP							
14	UTC					0 a	0 e	0 b	0 b	0 c	0 c

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Weed Code		SETFA	ERICA	STEME	LAMPU	LAMAM					
Crop Code	ZEAMX										
Rating Data Type	PHYTO	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL					
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT					
Rating Date	May/27/2008	May/27/2008	May/27/2008	May/27/2008	May/27/2008	May/27/2008					
Trt-Eval Interval	AT POST	AT POST	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	13	14	15	16	17	18
LSD (P=.05)		0.0				0.0	13.6	0.0	0.0	14.8	7.8
Standard Deviation		0.0				0.0	8.1	0.0	0.0	8.8	4.7
CV		0.0				0.0	25.7	0.0	0.0	10.01	5.17
Bartlett's X2		0.0				0.0	11.93	0.0	0.0	5.24	1.014
P(Bartlett's X2)		.				.	0.154	.	.	0.155	0.602
Replicate F		0.000				0.000	2.825	0.000	0.000	1.132	0.765
Replicate Prob(F)		1.0000				1.0000	0.0776	1.0000	1.0000	0.3378	0.4757
Treatment F		0.000				0.000	49.562	0.000	0.000	27.520	98.462
Treatment Prob(F)		1.0000				1.0000	0.0001	1.0000	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	CHEAL	AMBEL	AMBTR	POLPY	ZEAMX	ZEAMX					
Crop Code	CONTROL	CONTROL	CONTROL	CONTROL	PHYTO	PHYTO					
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT					
Rating Unit	May/27/2008	May/27/2008	May/27/2008	May/27/2008	Jun/05/2008	Jun/13/2008					
Rating Date	AT POST	AT POST	AT POST	AT POST	6 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	19	20	21	22	23	24
1	SURESTART	3 pt/a		30 EPP	A	67 ab	50 b-e	80 a	83 ab	0 a	0 a
1	DURANGO	24 oz/a		30 EPP							
1	AMS	4 qt/a		30 EPP							
1	DURANGO	24 oz/a		POST	C						
1	AMS	4 qt/a		POST							
2	SURESTART	3 pt/a		30 EPP	A	70 ab	54 b-e	90 a	100 a	0 a	0 a
2	ATRAZINE	1 qt/a		30 EPP							
2	DURANGO	24 oz/a		30 EPP							
2	AMS	4 qt/a		30 EPP							
2	DURANGO	24 oz/a		POST	C						
2	AMS	4 qt/a		POST							
3	LEXAR	3 qt/a		30 EPP	A	100 a	63 a-d	100 a	100 a	0 a	0 a
3	COC	0.8 qt/a		30 EPP							
3	DURANGO	24 oz/a		POST	C						
3	AMS	4 qt/a		POST							
4	LEXAR	3 qt/a		14 EPP	B	100 a	90 ab	100 a	100 a	0 a	0 a
4	COC	0.8 qt/a		14 EPP							
5	BAS 781	20 oz/a		14 EPP	B	93 a	65 a-d	97 a	77 ab	0 a	0 a
5	ROUNDUP POWERMAX	22 oz/a		14 EPP							
5	AMS	4 qt/a		14 EPP							
6	KIH-485	5 oz/a		14 EPP	B	83 ab	80 ab	90 a	90 a	0 a	0 a
6	ATRAZINE	1.5 qt/a		14 EPP							
6	ROUNDUP POWERMAX	22 oz/a		14 EPP							
6	AMS	4 qt/a		14 EPP							
7	GLYFOS XTRA	32 oz/a		14 EPP	B	27 bc	17 ef	93 a	10 c	0 a	0 a
7	METRIBUZIN	2.67 oz/a		14 EPP							
7	AMS	4 qt/a		14 EPP							
8	GLYFOS XTRA	32 oz/a		14 EPP	B	57 ab	23 def	83 a	23 c	0 a	0 a
8	METRIBUZIN	4 oz/a		14 EPP							
8	AMS	4 qt/a		14 EPP							
9	GLYFOS XTRA	32 oz/a		14 EPP	B	47 ab	37 c-f	57 a	23 c	0 a	0 a
9	METRIBUZIN	5.33 oz/a		14 EPP							
9	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		14 EPP	B	50 ab	32 c-f	43 a	33 bc	0 a	0 a
10	METRIBUZIN	2 oz/a		14 EPP							
10	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		POST	C						
10	METRIBUZIN	2 oz/a		POST							
10	AMS	4 qt/a		POST							
11	GLYFOS XTRA	32 oz/a		14 EPP	B	77 ab	73 abc	50 a	83 ab	0 a	0 a
11	ATRAZINE	32 oz/a		14 EPP							
11	AMS	4 qt/a		14 EPP							
12	CORVUS	5.6 oz/a		14 EPP	B	100 a	100 a	100 a	100 a	0 a	0 a
12	ATRAZINE	1.5 qt/a		14 EPP							
12	COC	0.8 qt/a		14 EPP							
13	CORVUS	5.6 oz/a		14 EPP	B	100 a	92 ab	97 a	100 a	0 a	0 a
13	ATRAZINE	1.5 qt/a		14 EPP							
13	IGNITE	29 oz/a		14 EPP							
13	AMS	4 qt/a		14 EPP							
14	UTC					0 c	0 f	0 b	0 c	0 a	0 a

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Weed Code	CHEAL	AMBEL	AMBTR	POLPY							
Crop Code					ZEAMX	ZEAMX					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	PHYTO	PHYTO					
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT					
Rating Date	May/27/2008	May/27/2008	May/27/2008	May/27/2008	Jun/05/2008	Jun/13/2008					
Trt-Eval Interval	AT POST	AT POST	AT POST	AT POST	6 DA-C	14 DA-C					
# Subsamples, Dec.	0	0	0	0	0	0					
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	19	20	21	22	23	24
LSD (P=.05)						36.6	27.1	35.6	37.7	0.0	0.0
Standard Deviation						21.8	16.1	21.2	22.4	0.0	0.0
CV						31.48	29.14	27.52	34.03	0.0	0.0
Bartlett's X2						7.561	7.727	15.076	2.674	0.0	0.0
P(Bartlett's X2)						0.478	0.562	0.058	0.913	.	.
Replicate F						4.520	3.622	1.205	0.700	0.000	0.000
Replicate Prob(F)						0.0207	0.0415	0.3159	0.5059	1.0000	1.0000
Treatment F						5.953	10.751	5.746	8.829	0.000	0.000
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	1.0000	1.0000

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Weed Code	ERICA	SETFA	CHEAL	AMBTR	AMBEL	POLPY					
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/13/2008	Jun/13/2008					
Rating Date	14 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C					
Trt-Eval Interval	0	0	0	0	0	0					
# Subsamples, Dec.	0	0	0	0	0	0					
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	25	26	27	28	29	30
1	SURESTART	3 pt/a		30 EPP	A	100 a	87 a	85 a	97 a	60 abc	100 a
1	DURANGO	24 oz/a		30 EPP							
1	AMS	4 qt/a		30 EPP							
1	DURANGO	24 oz/a		POST	C						
1	AMS	4 qt/a		POST							
2	SURESTART	3 pt/a		30 EPP	A	100 a	97 a	87 a	100 a	63 abc	100 a
2	ATRAZINE	1 qt/a		30 EPP							
2	DURANGO	24 oz/a		30 EPP							
2	AMS	4 qt/a		30 EPP							
2	DURANGO	24 oz/a		POST	C						
2	AMS	4 qt/a		POST							
3	LEXAR	3 qt/a		30 EPP	A	100 a	87 a	100 a	100 a	100 a	100 a
3	COC	0.8 qt/a		30 EPP							
3	DURANGO	24 oz/a		POST	C						
3	AMS	4 qt/a		POST							
4	LEXAR	3 qt/a		14 EPP	B	100 a	40 c	100 a	100 a	88 ab	100 a
4	COC	0.8 qt/a		14 EPP							
5	BAS 781	20 oz/a		14 EPP	B	100 a	27 c	87 a	90 a	53 bc	70 a
5	ROUNDUP POWERMAX	22 oz/a		14 EPP							
5	AMS	4 qt/a		14 EPP							
6	KIH-485	5 oz/a		14 EPP	B	100 a	82 ab	83 a	92 a	77 abc	90 a
6	ATRAZINE	1.5 qt/a		14 EPP							
6	ROUNDUP POWERMAX	22 oz/a		14 EPP							
6	AMS	4 qt/a		14 EPP							
7	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	0 d	50 a	67 a	10 d	20 b
7	METRIBUZIN	2.67 oz/a		14 EPP							
7	AMS	4 qt/a		14 EPP							
8	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	0 d	55 a	77 a	47 c	68 a
8	METRIBUZIN	4 oz/a		14 EPP							
8	AMS	4 qt/a		14 EPP							
9	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	0 d	92 a	67 a	57 bc	30 b
9	METRIBUZIN	5.33 oz/a		14 EPP							
9	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		14 EPP	B	97 a	90 a	87 a	88 a	88 ab	93 a
10	METRIBUZIN	2 oz/a		14 EPP							
10	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		POST	C						
10	METRIBUZIN	2 oz/a		POST							
10	AMS	4 qt/a		POST							
11	GLYFOS XTRA	32 oz/a		14 EPP	B	100 a	0 d	93 a	62 a	92 ab	100 a
11	ATRAZINE	32 oz/a		14 EPP							
11	AMS	4 qt/a		14 EPP							
12	CORVUS	5.6 oz/a		14 EPP	B	100 a	65 b	97 a	100 a	100 a	100 a
12	ATRAZINE	1.5 qt/a		14 EPP							
12	COC	0.8 qt/a		14 EPP							
13	CORVUS	5.6 oz/a		14 EPP	B	100 a	63 b	93 a	100 a	93 ab	100 a
13	ATRAZINE	1.5 qt/a		14 EPP							
13	IGNITE	29 oz/a		14 EPP							
13	AMS	4 qt/a		14 EPP							
14	UTC					0 b	0 d	0 b	0 b	0 d	0 b

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Weed Code	ERICA	SETFA	CHEAL	AMBTR	AMBEL	POLPY
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008	Jun/13/2008
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	25	26	27	28	29	30
	LSD (P=.05)					2.6	15.5	30.7	30.4	25.7	28.4
	Standard Deviation					1.5	9.3	18.3	18.0	15.3	16.9
	CV					1.67	20.35	23.09	22.13	23.07	22.1
	Bartlett's X2					0.0	17.259	15.775	15.288	9.627	5.842
	P(Bartlett's X2)					.	0.028*	0.106	0.032*	0.292	0.322
	Replicate F					1.000	0.132	4.031	1.889	1.677	0.601
	Replicate Prob(F)					0.3816	0.8769	0.0299	0.1740	0.2074	0.5556
	Treatment F					896.385	55.842	6.666	6.889	12.837	12.620
	Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Ohio State University
Horticulture and Crop Science

Weed Code						ERICA	SETFA	CHEAL	AMBTR	AMBEL	
Crop Code						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Unit						Jun/26/2008	Jun/26/2008	Jun/26/2008	Jun/26/2008	Jun/26/2008	
Rating Date						27 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C	
Trt-Eval Interval						0	0	0	0	0	
# Subsamples, Dec.						0	0	0	0	0	
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	31	32	33	34	35	36
1	SURESTART	3 pt/a		30 EPP	A	0 a	100 a	43 ab	58 a	77 a	60 ab
1	DURANGO	24 oz/a		30 EPP							
1	AMS	4 qt/a		30 EPP							
1	DURANGO	24 oz/a		POST	C						
1	AMS	4 qt/a		POST							
2	SURESTART	3 pt/a		30 EPP	A	0 a	100 a	43 ab	55 a	93 a	53 ab
2	ATRAZINE	1 qt/a		30 EPP							
2	DURANGO	24 oz/a		30 EPP							
2	AMS	4 qt/a		30 EPP							
2	DURANGO	24 oz/a		POST	C						
2	AMS	4 qt/a		POST							
3	LEXAR	3 qt/a		30 EPP	A	0 a	100 a	43 ab	93 a	93 a	77 a
3	COC	0.8 qt/a		30 EPP							
3	DURANGO	24 oz/a		POST	C						
3	AMS	4 qt/a		POST							
4	LEXAR	3 qt/a		14 EPP	B	0 a	100 a	7 d	100 a	90 a	80 a
4	COC	0.8 qt/a		14 EPP							
5	BAS 781	20 oz/a		14 EPP	B	0 a	100 a	3 d	70 a	73 a	40 ab
5	ROUNDUP POWERMAX	22 oz/a		14 EPP							
5	AMS	4 qt/a		14 EPP							
6	KIH-485	5 oz/a		14 EPP	B	0 a	100 a	53 a	50 a	60 a	47 ab
6	ATRAZINE	1.5 qt/a		14 EPP							
6	ROUNDUP POWERMAX	22 oz/a		14 EPP							
6	AMS	4 qt/a		14 EPP							
7	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	100 a	0 d	47 a	77 a	23 bc
7	METRIBUZIN	2.67 oz/a		14 EPP							
7	AMS	4 qt/a		14 EPP							
8	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	100 a	0 d	67 a	100 a	43 ab
8	METRIBUZIN	4 oz/a		14 EPP							
8	AMS	4 qt/a		14 EPP							
9	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	100 a	0 d	73 a	23 ab	43 ab
9	METRIBUZIN	5.33 oz/a		14 EPP							
9	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	83 b	50 a	43 a	83 a	57 ab
10	METRIBUZIN	2 oz/a		14 EPP							
10	AMS	4 qt/a		14 EPP							
10	GLYFOS XTRA	32 oz/a		POST	C						
10	METRIBUZIN	2 oz/a		POST							
10	AMS	4 qt/a		POST							
11	GLYFOS XTRA	32 oz/a		14 EPP	B	0 a	100 a	3 d	83 a	47 ab	77 a
11	ATRAZINE	32 oz/a		14 EPP							
11	AMS	4 qt/a		14 EPP							
12	CORVUS	5.6 oz/a		14 EPP	B	0 a	100 a	27 c	90 a	77 a	83 a
12	ATRAZINE	1.5 qt/a		14 EPP							
12	COC	0.8 qt/a		14 EPP							
13	CORVUS	5.6 oz/a		14 EPP	B	0 a	100 a	30 bc	100 a	80 a	77 a
13	ATRAZINE	1.5 qt/a		14 EPP							
13	IGNITE	29 oz/a		14 EPP							
13	AMS	4 qt/a		14 EPP							
14	UTC					0 a	0 c	0 d	0 b	0 b	0 c

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Weed Code		ERICA	SETFA	CHEAL	AMBTR	AMBEL
Crop Code	ZEAMX					
Rating Data Type	PHYTO	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Jun/26/2008	Jun/26/2008	Jun/26/2008	Jun/26/2008	Jun/26/2008	Jun/26/2008
Trt-Eval Interval	27 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	31	32	33	34	35	36
	LSD (P=.05)					0.0	6.9	11.1	34.3	44.3	26.3
	Standard Deviation					0.0	4.1	6.6	20.5	26.4	15.6
	CV					0.0	4.45	30.41	30.8	37.96	28.85
	Bartlett's X2					0.0	0.0	4.846	12.221	6.644	10.311
	P(Bartlett's X2)					.	.	0.774	0.271	0.827	0.589
	Replicate F					0.000	1.000	0.055	0.934	0.314	1.481
	Replicate Prob(F)					1.0000	0.3816	0.9467	0.4057	0.7336	0.2467
	Treatment F					0.000	128.846	32.342	5.337	3.488	7.025
	Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001	0.0032	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	POLPY	AMARE
Crop Code		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Rating Date	Jun/26/2008	Jun/26/2008
Trt-Eval Interval	27 DA-C	27 DA-C
# Subsamples, Dec.	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	37	38
1	SURESTART	3	pt/a	30	EPP A	93 a	59 b
1	DURANGO	24	oz/a	30	EPP		
1	AMS	4	qt/a	30	EPP		
1	DURANGO	24	oz/a	POST	C		
1	AMS	4	qt/a	POST			
2	SURESTART	3	pt/a	30	EPP A	100 a	67 b
2	ATRAZINE	1	qt/a	30	EPP		
2	DURANGO	24	oz/a	30	EPP		
2	AMS	4	qt/a	30	EPP		
2	DURANGO	24	oz/a	POST	C		
2	AMS	4	qt/a	POST			
3	LEXAR	3	qt/a	30	EPP A	100 a	59 b
3	COC	0.8	qt/a	30	EPP		
3	DURANGO	24	oz/a	POST	C		
3	AMS	4	qt/a	POST			
4	LEXAR	3	qt/a	14	EPP B	100 a	100 a
4	COC	0.8	qt/a	14	EPP		
5	BAS 781	20	oz/a	14	EPP B	57 ab	100 a
5	ROUNDUP POWERMAX	22	oz/a	14	EPP		
5	AMS	4	qt/a	14	EPP		
6	KIH-485	5	oz/a	14	EPP B	67 a	100 a
6	ATRAZINE	1.5	qt/a	14	EPP		
6	ROUNDUP POWERMAX	22	oz/a	14	EPP		
6	AMS	4	qt/a	14	EPP		
7	GLYFOS XTRA	32	oz/a	14	EPP B	30 bc	100 a
7	METRIBUZIN	2.67	oz/a	14	EPP		
7	AMS	4	qt/a	14	EPP		
8	GLYFOS XTRA	32	oz/a	14	EPP B	27 bc	100 a
8	METRIBUZIN	4	oz/a	14	EPP		
8	AMS	4	qt/a	14	EPP		
9	GLYFOS XTRA	32	oz/a	14	EPP B	17 c	100 a
9	METRIBUZIN	5.33	oz/a	14	EPP		
9	AMS	4	qt/a	14	EPP		
10	GLYFOS XTRA	32	oz/a	14	EPP B	63 a	57 b
10	METRIBUZIN	2	oz/a	14	EPP		
10	AMS	4	qt/a	14	EPP		
10	GLYFOS XTRA	32	oz/a	POST	C		
10	METRIBUZIN	2	oz/a	POST			
10	AMS	4	qt/a	POST			
11	GLYFOS XTRA	32	oz/a	14	EPP B	100 a	100 a
11	ATRAZINE	32	oz/a	14	EPP		
11	AMS	4	qt/a	14	EPP		
12	CORVUS	5.6	oz/a	14	EPP B	100 a	100 a
12	ATRAZINE	1.5	qt/a	14	EPP		
12	COC	0.8	qt/a	14	EPP		
13	CORVUS	5.6	oz/a	14	EPP B	100 a	100 a
13	ATRAZINE	1.5	qt/a	14	EPP		
13	IGNITE	29	oz/a	14	EPP		
13	AMS	4	qt/a	14	EPP		
14	UTC					0 c	0 c

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Weed Code	POLPY	AMARE
Crop Code		
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Rating Date	Jun/26/2008	Jun/26/2008
Trt-Eval Interval	27 DA-C	27 DA-C
# Subsamples, Dec.	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	37	38
	LSD (P=.05)					26.3	8.3
	Standard Deviation					15.6	4.9
	CV					22.98	6.04
	Bartlett's X2					10.906	1.349
	P(Bartlett's X2)					0.091	0.718
	Replicate F					0.885	3.184
	Replicate Prob(F)					0.4249	0.0594
	Treatment F					16.350	109.648
	Treatment Prob(F)					0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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