

Ohio State University Horticulture and Crop Science

WEED CONTROL IN ROUNDUP READY CORN I

Trial ID: 07RRC1
Location: WESTERN BRANCH BIG E

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

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

State/Prov.: Ohio
Country: USA
Trial Status: yield
Initiation Date: Apr/01/2007
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. AMBTR	Giant ragweed	Ambrosia trifida
4. POLPY	Pennsylvania smartweed	Polygonum pensylvanicum
5. ABUTH	Velvetleaf	Abutilon theophrasti
6. AMARE	Redroot pigweed	Amaranthus retroflexus

Crop 1: ZEAMX CORN, FIELD
Planting Date: May/02/2007
Rate: 32097 SEED/A
Row Spacing: 30 IN
Variety: DEKALB DKC63-74
Planting Method: JOHN DEERE 7200
Depth: 1.5 IN
Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 10 FT
Plot Length, Unit: 30 FT
Reps: 4
Tillage Type: CONVENTIONAL
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% OM: 2.2
pH: 6.1
CEC: 13.8
Texture: SILTY CLAY LOAM
Soil Name: KOKOMO

Overall Moisture Conditions: POOR

APPLICATION DESCRIPTION

	A	B	C	D	E
Application Date:	May/02/2007	May/22/2007	Jun/01/2007	Jun/04/2007	Jun/20/2007
Time of Day:	4:00 PM	8:15 AM	7:30 AM	9:00 AM	9:00 AM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPO	POST	POST	LPO
Applic. Placement:	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST
Air Temp., Unit:	74 F	57 F	71 F	69 F	70 F
% Relative Humidity:	57	69	68	69	89
Wind Velocity, Unit:	7 N	4 E	2 S	5 SW	3 W
Soil Temp., Unit:	66 F	60 F	72 F	65 F	64 F
Soil Moisture:	DRY MOIST	DRY/MOIST	MOIST MOI	WET/WET	WET/WET
% Cloud Cover:	20	20	100	15	30

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E
Crop 1 Code, Stage:	ZEAMX .	ZEAMX V3	ZEAMX V5	ZEAMX V6	ZEAMX V10
Stage Scale:	.	3 COLLARS	5 COLLAR	6 COLLAR	10 COLLAR
Height, Unit:	0. .	5 IN	15 IN	16 IN	38 IN

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WEED STAGE AT EACH APPLICATION

	A	B	C	D	E
Weed 1 Code, Stage:	SETFA .	SETFA 1-3"	SETFA 7-9"	SETFA 4-9"	SETFA 1-2"
Stage Scale:	.	3 LVS	3-5 LVS	4-6 LVS	2 LVS
Density, Unit:	76.5 M2	76.5 M2	76.5 M2	76.5 M2	76.5 M2
Weed 2 Code, Stage:	CHEAL .	CHEAL 1-2"	CHEAL 2-4"	CHEAL 3-7"	CHEAL 1"
Stage Scale:	.	6 LVS	8-1- LVS	6-15 LVS	4 LVS
Density, Unit:	21 M2	21 M2	21 M2	21 M2	21 M2
Weed 3 Code, Stage:	AMBTR .	AMBTR 2-3"	AMBTR 6-8"	AMBTR 5-7"	AMBTR 1-2"
Stage Scale:	.	6 LVS	8-12 LVS	4-8 LVS	2 LVS
Density, Unit:	1.5 M2	1.5 M2	1.5 M2	1.5 M2	1.5 M2
Weed 4 Code, Stage:	POLPY .	POLPY 2'	POLPY 3"	POLPY 4-6"	POLPY .
Stage Scale:	.	6 LVS	6 LVS	6-10 LVS	.
Density, Unit:	3 M2	3 M2	3 M2	3 M2	.
Weed 5 Code, Stage:	ABUTH .	ABUTH 1-2"	ABUTH 4"	ABUTH 4-6	ABUTH .
Stage Scale:	.	6 LVS	5 LVS	6-8 LVS	.
Density, Unit:	.75 M2	0.75 M2	0.75 M2	0.75 M2	.
Weed 6 Code, Stage:	AMARE .	AMARE .	AMARE 3-4"	AMARE 4-6"	AMARE .
Stage Scale:	.	.	6-8 LVS	6-10 LVS	.
Density, Unit:	6 M2	.	6 M2	6 M2	.

APPLICATION EQUIPMENT

	A	B	C	D	E
Appl. Equipment:	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	50	50	50	50	50
Nozzle Type:	DG	DG	DG	DG	DG
Nozzle Size:	11002	11002	11002	11002	11002
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA	20 GPA	20 GPA
Propellant:	CO2	CO2	CO2	CO2	CO2

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WEED CONTROL IN ROUNDUP READY CORN I

Trial ID: 07RRC1
Location: WESTERN BRANCH BIG E

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

Weed Code				SETFA	CHEAL	ABUTH	AMARE
Crop Code				ZEAMX	ZEAMX		
Rating Data Type				PHYTO	PHYTO	CONTROL	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				May/29/2007	Jun/01/2007	Jun/01/2007	Jun/01/2007
Trt-Eval Interval				7 DA-B	AT POST	AT POST	AT POST
# Subsamples, Dec.				0	0	0	0

Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Appl Code	1	2	3	4	5	6
1	KEYSTONE	3.28	lb ai/a	2.5	qt/a	A	0 a	0 a	88 a	91 ab	78 a	100 a
1	HORNET WDG	0.128	lb ai/a	3	oz/a							
2	LEXAR	2.78	lb ai/a	3	qt/a	A	0 a	0 a	84 ab	96 ab	100 a	100 a
3	SURESTART	0.93	lb ai/a	1.75	pt/a	A	0 a	0 a	68 abc	60 de	68 a	85 ab
3	DURANGO	0.75	lb ae/a	24	oz/a	D						
3	AMS	2.5	% v/v	2	qt/a							
4	KEYSTONE	1.97	lb ai/a	1.5	qt/a	A	0 a	0 a	71 abc	70 bcd	86 a	100 a
4	DURANGO	0.75	lb ae/a	24	oz/a	D						
4	AMS	2.5	% v/v	2	qt/a							
5	HORNET WDG	0.128	lb ai/a	3	oz/a	A	0 a	0 a	78 abc	90 ab	88 a	96 ab
5	ATRAZINE	1.5	lb ai/a	1.5	qt/a							
5	DURANGO	0.75	lb ae/a	24	oz/a	D						
5	AMS	2.5	% v/v	2	qt/a							
6	PYTHON	0.031	lb ai/a	0.62	oz/a	A	0 a	0 a	59 c	85 a-d	91 a	95 ab
6	ATRAZINE	1.5	lb ai/a	1.5	qt/a							
6	DURANGO	0.75	lb ae/a	24	oz/a	D						
6	AMS	2.5	% v/v	2	qt/a							
7	LEXAR	2.08	lb ai/a	2.25	qt/a	A	0 a	0 a	69 abc	95 ab	96 a	100 a
7	TOUCHDOWN TOTAL	0.78	lb ae/a	24	oz/a	D						
7	AMS	2.5	% v/v	2	qt/a							
8	HARNESX XTRA 5.6	2.1	lb ai/a	1.5	qt/a	A	0 a	0 a	78 abc	69 bcd	73 a	100 a
8	ROUNDUP ORIGINAL MAX	0.77	lb ae/a	22	oz/a	D						
8	AMS	2.5	% v/v	2	qt/a							
9	LEXAR	1.62	lb ai/a	1.75	qt/a	A	0 a	0 a	60 bc	61 cde	75 a	90 ab
9	A15189	45	lb ai/a	3.6	pt/a	D						
9	NIS	0.25	% v/v	6.4	oz/a							
9	AMS	8.5	% v/v	6.8	qt/a							
10	DUAL II MAGNUM	1.28	lb ai/a	1.34	pt/a	A	0 a	0 a	73 abc	69 bcd	83 a	88 ab
10	CALLISTO	0.094	lb ai/a	3	oz/a	D						
10	TOUCHDOWN HI-TECH	0.94	lb ae/a	24	oz/a							
10	AMS	8.5	% v/v	6.8	qt/a							
11	OUTLOOK	0.56	lb ai/a	12	oz/a	A	0 a	0 a	76 abc	79 a-d	68 a	76 ab
11	STATUS	0.0875	lb ai/a	2.5	oz/a	D						
11	ROUNDUP ORIGINAL MAX	0.77	lb ae/a	22	oz/a							
11	AMS	8.5	% v/v	6.8	qt/a							
12	DUAL II MAGNUM	1.6	lb ai/a	1.68	pt/a	A	0 a	0 a	92 a	43 e	55 a	74 ab
12	CALLISTO	0.094	lb ai/a	3	oz/a	D						
12	ATRAZINE	0.5	lb ai/a	1	pt/a							
12	COC	1	% v/v	0.8	qt/a							
12	AMS	8.5	% v/v	6.8	qt/a							
13	A15189	4	pt/a	4	pt/a	B	0 a	0 a	85 a	89 abc	100 a	94 ab
13	NIS	0.25	% v/v	6.4	oz/a							
13	AMS	2.5	% v/v	2	qt/a							

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Weed Code					SETFA	CHEAL	ABUTH	AMARE			
Crop Code					ZEAMX	ZEAMX					
Rating Data Type					PHYTO	PHYTO	CONTROL	CONTROL			
Rating Unit					PERCENT	PERCENT	PERCENT	PERCENT			
Rating Date					May/29/2007	Jun/01/2007	Jun/01/2007	Jun/01/2007			
Trt-Eval Interval					7 DA-B	AT POST	AT POST	AT POST			
# Subsamples, Dec.					0	0	0	0			
Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	1	2	3	4	5	6
14	A15189	4 pt/a	4 pt/a		B	0 a	0 a	88 a	100 a	100 a	100 a
14	ATRAZINE	0.5 lb ai/a	1 pt/a								
14	NIS	0.25 % v/v	6.4 oz/a								
14	AMS	2.5 % v/v	2 qt/a								
15	SURESTART	0.93 lb ai/a	1.75 pt/a		B	0 a	0 a	91 a	94 ab	80 a	95 ab
15	DURANGO	0.75 lb ae/a	24 oz/a								
15	AMS	2.5 % v/v	2 qt/a								
16	LAUDIS	0.082 lb ai/a	3 oz/a		B	0 a	0 a	71 abc	71 a-d	76 a	70 b
16	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a								
16	AMS	2.5 % v/v	2 qt/a								
17	HORNET WDG	0.086 lb ai/a	2 oz/a		B	0 a	0 a	78 abc	76 a-d	83 a	78 ab
17	DURANGO	0.75 lb ae/a	24 oz/a								
17	AMS	2.5 % v/v	2 qt/a								
18	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		C	0 a					
18	AMS	2.5 % v/v	2 qt/a								
19	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		C	0 a					
19	AMS	2.5 % v/v	2 qt/a								
19	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		E						
19	AMS	2.5 % v/v	2 qt/a								
20	UTC					0 a	0 a	0 d	0 f	0 b	0 c
	LSD (P=.05)					0.0	0.0	14.2	17.2	24.9	16.4
	Standard Deviation					0.0	0.0	10.0	12.1	17.6	11.5
	CV					0.0	0.0	13.83	16.33	22.71	13.43
	Bartlett's X2					0.0	0.0	20.372	18.889	7.551	9.981
	P(Bartlett's X2)					.	.	0.204	0.219	0.872	0.442
	Replicate F					0.000	0.000	3.785	1.142	0.317	2.065
	Replicate Prob(F)					1.0000	1.0000	0.0158	0.3412	0.8129	0.1167
	Treatment F					0.000	0.000	16.793	15.704	6.840	16.895
	Treatment Prob(F)					1.0000	1.0000	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.

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Weed Code				AMBTR	POLPY		SETFA	CHEAL	ABUTH		
Crop Code						ZEAMX					
Rating Data Type				CONTROL	CONTROL	PHYTO	CONTROL	CONTROL	CONTROL		
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date				Jun/01/2007	Jun/01/2007	Jun/19/2007	Jun/19/2007	Jun/19/2007	Jun/19/2007		
Trt-Eval Interval				AT POST	AT POST	28 DA-B	28 DA-B	28 DA-B	28 DA-B		
# Subsamples, Dec.				0	0	0	0	0	0		
Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	7	8	9	10	11	12
14	A15189	4 pt/a	4 pt/a	B		69 ab	100 a	0 a	72 c	92 ab	98 a
14	ATRAZINE	0.5 lb ai/a	1 pt/a								
14	NIS	0.25 % v/v	6.4 oz/a								
14	AMS	2.5 % v/v	2 qt/a								
15	SURESTART	0.93 lb ai/a	1.75 pt/a	B		82 a	100 a	0 a	76 bc	60 c	70 b
15	DURANGO	0.75 lb ae/a	24 oz/a								
15	AMS	2.5 % v/v	2 qt/a								
16	LAUDIS	0.082 lb ai/a	3 oz/a	B		68 ab	98 a	0 a	48 d	55 c	80 ab
16	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a								
16	AMS	2.5 % v/v	2 qt/a								
17	HORNET WDG	0.086 lb ai/a	2 oz/a	B		76 a	94 a	0 a	65 c	59 c	75 b
17	DURANGO	0.75 lb ae/a	24 oz/a								
17	AMS	2.5 % v/v	2 qt/a								
18	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a	C				0 a	83 abc	84 ab	99 a
18	AMS	2.5 % v/v	2 qt/a								
19	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a	C				0 a	95 a	100 a	100 a
19	AMS	2.5 % v/v	2 qt/a								
19	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a	E							
19	AMS	2.5 % v/v	2 qt/a								
20	UTC					0 b	0 b	0 a	0 e	0 d	0 d
LSD (P=.05)						42.8	37.5	0.0	12.9	11.8	12.5
Standard Deviation						29.9	26.2	0.0	9.1	8.3	8.8
CV						55.79	33.8	0.0	11.53	10.38	9.99
Bartlett's X2						14.005	27.118	0.0	69.608	48.727	37.753
P(Bartlett's X2)						0.598	0.001*	.	0.001*	0.001*	0.001*
Replicate F						2.302	2.265	0.000	0.888	1.225	0.191
Replicate Prob(F)						0.0898	0.0924	1.0000	0.4529	0.3090	0.9022
Treatment F						2.756	5.296	0.000	28.888	38.076	30.850
Treatment Prob(F)						0.0034	0.0001	1.0000	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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Ohio State University Horticulture and Crop Science

Weed Code	AMARE	AMBTR	POLPY	SETFA	CHEAL	ABUTH
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Jun/19/2007	Jun/19/2007	Jun/19/2007	Jul/16/2007	Jul/16/2007	Jul/16/2007
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	55 DA-B	55 DA-B	55 DA-B
# Subsamples, Dec.	0	0	0	0	0	0

Trt	Treatment	Rate	Product	Product	Appl	13	14	15	16	17	18
No.	Name	Rate	Rate	Rate	Code						
14	A15189	4 pt/a	4 pt/a		B	100 a	66 abc	100 a	76 bcd	95 a	95 a
14	ATRAZINE	0.5 lb ai/a	1 pt/a								
14	NIS	0.25 % v/v	6.4 oz/a								
14	AMS	2.5 % v/v	2 qt/a								
15	SURESTART	0.93 lb ai/a	1.75 pt/a		B	100 a	73 ab	94 a	76 bcd	74 c	68 b
15	DURANGO	0.75 lb ae/a	24 oz/a								
15	AMS	2.5 % v/v	2 qt/a								
16	LAUDIS	0.082 lb ai/a	3 oz/a		B	63 b	66 abc	95 a	64 d	65 c	90 a
16	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a								
16	AMS	2.5 % v/v	2 qt/a								
17	HORNET WDG	0.086 lb ai/a	2 oz/a		B	65 b	63 bc	93 a	65 d	68 c	83 ab
17	DURANGO	0.75 lb ae/a	24 oz/a								
17	AMS	2.5 % v/v	2 qt/a								
18	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		C	100 a	99 a	89 a	67 d	78 bc	90 a
18	AMS	2.5 % v/v	2 qt/a								
19	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		C	100 a	98 ab	95 a	95 ab	100 a	96 a
19	AMS	2.5 % v/v	2 qt/a								
19	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		E						
19	AMS	2.5 % v/v	2 qt/a								
20	UTC					0 c	0 d	0 b	0 e	0 d	0 c
LSD (P=.05)						9.9	19.9	12.5	12.3	10.9	15.1
Standard Deviation						7.0	14.0	8.8	8.7	7.7	10.7
CV						7.71	17.93	9.76	10.93	9.18	12.04
Bartlett's X2						5.461	43.434	27.631	33.428	16.118	23.897
P(Bartlett's X2)						0.141	0.001*	0.016*	0.015*	0.186	0.013*
Replicate F						2.196	5.074	2.555	1.996	0.484	0.490
Replicate Prob(F)						0.0984	0.0036	0.0643	0.1248	0.6946	0.6903
Treatment F						47.244	11.302	24.451	25.995	37.549	18.284
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)
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Ohio State University

Horticulture and Crop Science

Weed Code	AMARE	AMBTR	POLPY
Crop Code			
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date	Jul/16/2007	Jul/16/2007	Jul/16/2007
Trt-Eval Interval	55 DA-B	55 DA-B	55 DA-B
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	19	20	21
1	KEYSTONE	3.28 lb ai/a	2.5 qt/a		A	100 a	64 d	80 a
1	HORNET WDG	0.128 lb ai/a	3 oz/a					
2	LEXAR	2.78 lb ai/a	3 qt/a		A	100 a	85 abc	100 a
3	SURESTART	0.93 lb ai/a	1.75 pt/a		A	100 a	93 ab	96 a
3	DURANGO	0.75 lb ae/a	24 oz/a		D			
3	AMS	2.5 % v/v	2 qt/a					
4	KEYSTONE	1.97 lb ai/a	1.5 qt/a		A	100 a	91 ab	100 a
4	DURANGO	0.75 lb ae/a	24 oz/a		D			
4	AMS	2.5 % v/v	2 qt/a					
5	HORNET WDG	0.128 lb ai/a	3 oz/a		A	100 a	95 a	100 a
5	ATRAZINE	1.5 lb ai/a	1.5 qt/a					
5	DURANGO	0.75 lb ae/a	24 oz/a		D			
5	AMS	2.5 % v/v	2 qt/a					
6	PYTHON	0.031 lb ai/a	0.62 oz/a		A	100 a	100 a	100 a
6	ATRAZINE	1.5 lb ai/a	1.5 qt/a					
6	DURANGO	0.75 lb ae/a	24 oz/a		D			
6	AMS	2.5 % v/v	2 qt/a					
7	LEXAR	2.08 lb ai/a	2.25 qt/a		A	100 a	96 a	100 a
7	TOUCHDOWN TOTAL	0.78 lb ae/a	24 oz/a		D			
7	AMS	2.5 % v/v	2 qt/a					
8	HARNESS XTRA 5.6	2.1 lb ai/a	1.5 qt/a		A	100 a	92 ab	98 a
8	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		D			
8	AMS	2.5 % v/v	2 qt/a					
9	LEXAR	1.62 lb ai/a	1.75 qt/a		A	100 a	98 a	100 a
9	A15189	45 lb ai/a	3.6 pt/a		D			
9	NIS	0.25 % v/v	6.4 oz/a					
9	AMS	8.5 % v/v	6.8 qt/a					
10	DUAL II MAGNUM	1.28 lb ai/a	1.34 pt/a		A	100 a	97 a	96 a
10	CALLISTO	0.094 lb ai/a	3 oz/a		D			
10	TOUCHDOWN HI-TECH	0.94 lb ae/a	24 oz/a					
10	AMS	8.5 % v/v	6.8 qt/a					
11	OUTLOOK	0.56 lb ai/a	12 oz/a		A	100 a	100 a	100 a
11	STATUS	0.0875 lb ai/a	2.5 oz/a		D			
11	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a					
11	AMS	8.5 % v/v	6.8 qt/a					
12	DUAL II MAGNUM	1.6 lb ai/a	1.68 pt/a		A	99 a	100 a	96 a
12	CALLISTO	0.094 lb ai/a	3 oz/a		D			
12	ATRAZINE	0.5 lb ai/a	1 pt/a					
12	COC	1 % v/v	0.8 qt/a					
12	AMS	8.5 % v/v	6.8 qt/a					
13	A15189	4 pt/a	4 pt/a		B	100 a	93 ab	98 a
13	NIS	0.25 % v/v	6.4 oz/a					
13	AMS	2.5 % v/v	2 qt/a					

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Weed Code	AMARE	AMBTR	POLPY
Crop Code			
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date	Jul/16/2007	Jul/16/2007	Jul/16/2007
Trt-Eval Interval	55 DA-B	55 DA-B	55 DA-B
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Rate	Product Rate	Product Unit	Appl Code	19	20	21
14	A15189	4 pt/a	4 pt/a		B	100 a	84 abc	100 a
14	ATRAZINE	0.5 lb ai/a	1 pt/a					
14	NIS	0.25 % v/v	6.4 oz/a					
14	AMS	2.5 % v/v	2 qt/a					
15	SURESTART	0.93 lb ai/a	1.75 pt/a		B	96 a	89 abc	86 a
15	DURANGO	0.75 lb ae/a	24 oz/a					
15	AMS	2.5 % v/v	2 qt/a					
16	LAUDIS	0.082 lb ai/a	3 oz/a		B	63 c	70 bcd	90 a
16	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a					
16	AMS	2.5 % v/v	2 qt/a					
17	HORNET WDG	0.086 lb ai/a	2 oz/a		B	78 b	69 cd	96 a
17	DURANGO	0.75 lb ae/a	24 oz/a					
17	AMS	2.5 % v/v	2 qt/a					
18	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		C	99 a	95 a	98 a
18	AMS	2.5 % v/v	2 qt/a					
19	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		C	100 a	99 a	100 a
19	AMS	2.5 % v/v	2 qt/a					
19	ROUNDUP ORIGINAL MAX	0.77 lb ae/a	22 oz/a		E			
19	AMS	2.5 % v/v	2 qt/a					
20	UTC					0 d	0 e	0 b
LSD (P=.05)						10.7	14.4	11.3
Standard Deviation						7.5	10.2	8.0
CV						8.23	11.95	8.71
Bartlett's X2						37.247	34.798	25.982
P(Bartlett's X2)						0.001*	0.002*	0.004*
Replicate F						1.807	6.949	0.713
Replicate Prob(F)						0.1562	0.0005	0.5485
Treatment F						38.953	19.938	30.942
Treatment Prob(F)						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.