

# University of Nebraska

## Control of RR Corn

Trial ID: L0715  
Location: Havelock

Study Dir.: Kevin Horky  
Investigator: Dr. Mark Bernards

### GENERAL TRIAL INFORMATION

**Study Director:** Kevin Horky **Title:** Research Technician  
**Affiliation:** University of Nebraska Lincoln  
**Postal Code:** 68583  
**Investigator:** Dr. Mark Bernards **Title:** Ext. Weed Specialist  
**Affiliation:** University of Nebraska Lincoln  
**Postal Code:** 68583

### TRIAL LOCATION

**City:** Lincoln  
**State/Prov.:** NE  
**Postal Code:** 68583

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

### CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	ABUTH	Velvetleaf	Abutilon theophrasti
2.	AMAPA	Amaranth, Palmer	Amaranthus palmeri
3.	HELAN	Common sunflower	Helianthus annuus

**Crop 1:** ZEAMX CORN, FIELD **Variety:** Dekalb 6019RR  
**Planting Date:** 1/May/2007 **Planting Method:** planted  
**Rate:** 22000 seeds/acre **Depth:** 1.5 in  
**Row Spacing:** 30 in **Seed Bed:** MEDIUM  
**Soil Moisture:** good **Emergence Date:** 8/May/2007

### SITE AND DESIGN

**Plot Width, Unit:** 10 FT **Plot Length, Unit:** 30 FT **Reps:** 3  
**Site Type:** FIELD  
**Tillage Type:** conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

### MAINTENANCE

**Field Prep./Maintenance:** Field was disked once, Anhydrous Ammonia was applied at 120lbs of nitrogen /acre. Field was then field cultivated once.

### SOIL DESCRIPTION

**% Sand:** 7 **% OM:** 2.7 **Texture:** Silt loam  
**% Silt:** 69 **pH:** 6.8 **Soil Name:** Sharpesburg  
**% Clay:** 23 **CEC:** 26 **Fert. Level:** good

### APPLICATION DESCRIPTION

	A	B
<b>Application Date:</b>	17/May/2007	23/May/2007
<b>Time of Day:</b>	11:30 am	9:00 am
<b>Application Method:</b>	Spray	Spray
<b>Application Timing:</b>	epost	mpost
<b>Applic. Placement:</b>	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	71 F	75 F
<b>% Relative Humidity:</b>	32	70
<b>Wind Velocity, Unit:</b>	9 mph	5 mph
<b>Dew Presence (Y/N):</b>	n	n
<b>Soil Temp., Unit:</b>	11 C	11 C
<b>Soil Moisture:</b>	good	good
<b>% Cloud Cover:</b>	2	100

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## CROP STAGE AT EACH APPLICATION

	A	B
<b>Crop 1 Code, Stage:</b>	ZEAMX	ZEAMX
<b>Stage Scale:</b>	V1	V3
<b>Height, Unit:</b>	3 in	7 in

## WEED STAGE AT EACH APPLICATION

	A	B
<b>Weed 1 Code, Stage:</b>	ABUTH	ABUTH
<b>Stage Scale:</b>	1 in	2 in
<b>Density, Unit:</b>	3 m2	5 m2
<b>Weed 2 Code, Stage:</b>	AMAPA	AMAPA
<b>Stage Scale:</b>	1 in	3 in
<b>Density, Unit:</b>	7 m2	10 m2
<b>Weed 3 Code, Stage:</b>	HELAN	HELAN
<b>Stage Scale:</b>	2 in	4-5 in
<b>Density, Unit:</b>	4 m2	5 m2

## APPLICATION EQUIPMENT

	A	B
<b>Appl. Equipment:</b>	IH cub	IH cub
<b>Operating Pressure:</b>	30	30
<b>Nozzle Type:</b>	Turbo Tee	Turbo Tee
<b>Nozzle Size:</b>	110015	110015
<b>Nozzle Spacing, Unit:</b>	15 in	15 in
<b>Nozzles/Row:</b>	2	2
<b>Boom Length, Unit:</b>	10 ft	10 ft
<b>Boom Height, Unit:</b>	14 in	20 in
<b>Ground Speed, Unit:</b>	3 mph	3 mph
<b>Carrier:</b>	water	water
<b>Spray Volume, Unit:</b>	15 gpa	15 gpa
<b>Propellant:</b>	air	air

## Trial Comments

Valent protocol MD01.10

Data request

Plant corn in rows

Weed control 7,14,21 dat

Crop injury 7,14,21 dat

epost - 3 inch corn

mpost - 6 inch corn

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## Control of RR Corn

Trial ID: L0715

Study Dir.: Kevin Horky

Location: Havelock

Investigator: Dr. Mark Bernards

Weed Code					ZEAMX	HELAN	AMAPA	ABUTH	ZEAMX	
Rating Data Type					PHYCHL	CONTROL	CONTROL	CONTROL	PHYCHL	
Rating Unit					%	%	%	%	%	
Rating Date					24/May/2007	24/May/2007	24/May/2007	24/May/2007	31/May/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	1	2	3	4	5
1	Check				101 205 313	0 0 0	0 0 0	0 0 0	0 0 0	
				Mean =		0	0	0	0	.
2	Select Max	4 oz/a		epost	102	75	0	0	0	
	NIS	0.25 % v/v		epost	208	75	0	0	0	
	AMS	17 lb/100 gal		epost	303	75	0	0	0	
				Mean =		75	0	0	0	.
3	Select Max	4 oz/a		epost	103	75	99	99	99	
	Roundup Original Max	22 oz/a		epost	212	75	99	99	90	
	NIS	0.25 % v/v		epost	310	85	90	99	99	
	AMS	17 lb/100 gal		epost						
				Mean =		78	96	99	96	.
4	Select Max	6 oz/a		epost	104	75	30	30	20	
	Degree Xtra	64 oz/a		epost	209	75	65	90	50	
	NIS	0.25 % v/v		epost	307	75	30	70	30	
	AMS	17 lb/100 gal		epost						
				Mean =		75	42	63	33	.
5	Gramoxone	0.28 lb ai/a		epost	105	85	90	99	90	30
	Sencor	0.14 lb ai/a		epost	204	85	70	95	90	40
	COC	1 % v/v		epost	306	85	80	90	80	60
				Mean =		85	80	95	87	43
6	Liberty	0.42 lb ai/a		epost	106	85	80	90	85	70
	AMS	3 lb/a		epost	213 308	85 85	85 85	85 80	70 90	40 70
				Mean =		85	83	85	82	60
7	Select Max	4 oz/a		mpost	107					
	NIS	0.25 % v/v		mpost	206					
	AMS	17 lb/100 gal		mpost	305					
				Mean =		.	.	.	.	.
8	Select Max	4 oz/a		mpost	108					
	Roundup Original Max	22 oz/a		mpost	211					
	NIS	0.25 % v/v		mpost	309					
	AMS	17 lb/100 gal		mpost						
				Mean =		.	.	.	.	.
9	Select Max	6 oz/a		mpost	109					
	Degree Xtra	64 oz/a		mpost	203					
	NIS	0.25 % v/v		mpost	311					
	AMS	17 lb/100 gal		mpost						
				Mean =		.	.	.	.	.
10	Select Max	8 oz/a		mpost	110					
	Degree Xtra	64 oz/a		mpost	202					
	NIS	0.25 % v/v		mpost	312					
	AMS	17 lb/100 gal		mpost						
				Mean =		.	.	.	.	.

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Weed Code					ZEAMX	HELAN	AMAPA	ABUTH	ZEAMX	
Rating Data Type					PHYCHL	CONTROL	CONTROL	CONTROL	PHYCHL	
Rating Unit					%	%	%	%	%	
Rating Date					24/May/2007	24/May/2007	24/May/2007	24/May/2007	31/May/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	1	2	3	4	5
11	Gramoxone	0.28	lb ai/a	mpost	111					
	Sencor	0.14	lb ai/a	mpost	207					
	COC	1	% v/v	mpost	304					
				Mean =		.	.	.	.	.
12	Liberty	0.42	lb ai/a	mpost	112					85
	AMS	3	lb/a	mpost	201					80
				mpost	302					45
				Mean =		.	.	.	.	70
13	Select Max	6	oz/a	mpost	113					
	Atrazine	1	lb ai/a	mpost	210					
	NIS	0.25	% v/v	mpost	301					
	AMS	17	lb/100 gal	mpost						
				Mean =		.	.	.	.	.

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Weed Code					ZEAMX	HELAN	AMAPA	ABUTH	ZEAMX
Rating Data Type					PHYNEC	CONTROL	CONTROL	CONTROL	PHYNEC
Rating Unit					%	%	%	%	%
Rating Date					31/May/2007	31/May/2007	31/May/2007	31/May/2007	7/Jun/2007
Trt No.	Treatment Name	Rate	Unit	Grow Stg Plot	6	7	8	9	10
1	Check			101	0	0	0	0	0
				205	0	0	0	0	0
				313	0	0	0	0	0
				Mean =	0	0	0	0	0
2	Select Max	4 oz/a		epost 102	85	0	0	0	90
	NIS	0.25 % v/v		epost 208	95	0	0	0	95
	AMS	17 lb/100 gal		epost 303	95	0	0	0	95
				Mean =	92	0	0	0	93
3	Select Max	4 oz/a		epost 103	95	95	75	60	95
	Roundup Original Max	22 oz/a		epost 212	95	90	90	90	95
	NIS	0.25 % v/v		epost 310	95	80	90	95	95
	AMS	17 lb/100 gal		epost					
				Mean =	95	88	85	82	95
4	Select Max	6 oz/a		epost 104	95	75	80	60	95
	Degree Xtra	64 oz/a		epost 209	95	40	90	40	95
	NIS	0.25 % v/v		epost 307	95	40	50	50	95
	AMS	17 lb/100 gal		epost					
				Mean =	95	52	73	50	95
5	Gramoxone	0.28 lb ai/a		epost 105	0	85	80	85	30
	Sencor	0.14 lb ai/a		epost 204	0	85	50	70	40
	COC	1 % v/v		epost 306	10	80	80	65	60
				Mean =	3	83	70	73	43
6	Liberty	0.42 lb ai/a		epost 106	0	50	50	70	60
	AMS	3 lb/a		epost 213	40	40	40	40	70
				308	10	60	60	20	65
				Mean =	17	50	50	43	65
7	Select Max	4 oz/a		mpost 107	90	0	0	0	90
	NIS	0.25 % v/v		mpost 206	95	0	0	0	95
	AMS	17 lb/100 gal		mpost 305	95	0	0	0	95
				Mean =	93	0	0	0	93
8	Select Max	4 oz/a		mpost 108	95	95	95	95	95
	Roundup Original Max	22 oz/a		mpost 211	95	99	99	99	95
	NIS	0.25 % v/v		mpost 309	99	99	99	99	99
	AMS	17 lb/100 gal		mpost					
				Mean =	96	98	98	98	96
9	Select Max	6 oz/a		mpost 109	95	40	70	20	95
	Degree Xtra	64 oz/a		mpost 203	95	65	90	70	95
	NIS	0.25 % v/v		mpost 311	95	40	40	40	95
	AMS	17 lb/100 gal		mpost					
				Mean =	95	48	67	43	95
10	Select Max	8 oz/a		mpost 110	95	40	60	20	95
	Degree Xtra	64 oz/a		mpost 202	99	65	90	70	99
	NIS	0.25 % v/v		mpost 312	95	40	40	40	95
	AMS	17 lb/100 gal		mpost					
				Mean =	96	48	63	43	96

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Weed Code					ZEAMX	HELAN	AMAPA	ABUTH	ZEAMX	
Rating Data Type					PHYNEC	CONTROL	CONTROL	CONTROL	PHYNEC	
Rating Unit					%	%	%	%	%	
Rating Date					31/May/2007	31/May/2007	31/May/2007	31/May/2007	7/Jun/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	6	7	8	9	10
11	Gramoxone	0.28	lb ai/a	mpost	111	95	99	99	99	95
	Sencor	0.14	lb ai/a	mpost	207	95	95	95	95	95
	COC	1	% v/v	mpost	304	95	90	90	95	95
					Mean =	95	95	95	96	95
12	Liberty	0.42	lb ai/a	mpost	112	10	85	70	70	75
	AMS	3	lb/a	mpost	201	10	95	75	90	70
					302	50	90	90	95	65
					Mean =	23	90	78	85	70
13	Select Max	6	oz/a	mpost	113	95	40	50	40	95
	Atrazine	1	lb ai/a	mpost	210	95	40	50	40	95
	NIS	0.25	% v/v	mpost	301	95	50	50	40	95
	AMS	17	lb/100 gal	mpost						
					Mean =	95	43	50	40	95

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Weed Code					HELAN	AMAPA	ABUTH
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					7/Jun/2007	7/Jun/2007	7/Jun/2007
Trt No.	Treatment Name	Rate	Unit	Grow Stg Plot	11	12	13
1	Check			101	0	0	0
				205	0	0	0
				313	0	0	0
				Mean =	0	0	0
2	Select Max	4 oz/a		epost 102	0	0	0
	NIS	0.25 % v/v		epost 208	0	0	0
	AMS	17 lb/100 gal		epost 303	0	0	0
				Mean =	0	0	0
3	Select Max	4 oz/a		epost 103	95	85	80
	Roundup Original Max	22 oz/a		epost 212	85	80	90
	NIS	0.25 % v/v		epost 310	90	90	95
	AMS	17 lb/100 gal		epost			
				Mean =	90	85	88
4	Select Max	6 oz/a		epost 104	70	75	50
	Degree Xtra	64 oz/a		epost 209	40	80	40
	NIS	0.25 % v/v		epost 307	40	50	50
	AMS	17 lb/100 gal		epost			
				Mean =	50	68	47
5	Gramoxone	0.28 lb ai/a		epost 105	80	75	80
	Sencor	0.14 lb ai/a		epost 204	80	50	60
	COC	1 % v/v		epost 306	80	75	60
				Mean =	80	67	67
6	Liberty	0.42 lb ai/a		epost 106	70	70	80
	AMS	3 lb/a		epost 213	60	65	65
				308	70	70	50
				Mean =	67	68	65
7	Select Max	4 oz/a		mpost 107	0	0	0
	NIS	0.25 % v/v		mpost 206	0	0	0
	AMS	17 lb/100 gal		mpost 305	0	0	0
				Mean =	0	0	0
8	Select Max	4 oz/a		mpost 108	95	95	95
	Roundup Original Max	22 oz/a		mpost 211	99	99	99
	NIS	0.25 % v/v		mpost 309	99	99	99
	AMS	17 lb/100 gal		mpost			
				Mean =	98	98	98
9	Select Max	6 oz/a		mpost 109	40	60	30
	Degree Xtra	64 oz/a		mpost 203	60	80	60
	NIS	0.25 % v/v		mpost 311	40	40	40
	AMS	17 lb/100 gal		mpost			
				Mean =	47	60	43
10	Select Max	8 oz/a		mpost 110	40	60	30
	Degree Xtra	64 oz/a		mpost 202	60	80	60
	NIS	0.25 % v/v		mpost 312	40	40	40
	AMS	17 lb/100 gal		mpost			
				Mean =	47	60	43

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Weed Code						HELAN	AMAPA	ABUTH
Rating Data Type						CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%
Rating Date						7/Jun/2007	7/Jun/2007	7/Jun/2007
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	11	12	13
11	Gramoxone	0.28	lb ai/a	mpost	111	99	99	99
	Sencor	0.14	lb ai/a	mpost	207	95	90	95
	COC	1	% v/v	mpost	304	90	90	95
				Mean =		95	93	96
12	Liberty	0.42	lb ai/a	mpost	112	80	65	60
	AMS	3	lb/a	mpost	201	90	70	85
					302	95	95	95
				Mean =		88	77	80
13	Select Max	6	oz/a	mpost	113	40	40	40
	Atrazine	1	lb ai/a	mpost	210	40	50	40
	NIS	0.25	% v/v	mpost	301	50	55	40
	AMS	17	lb/100 gal	mpost				
				Mean =		43	48	40



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## Control of RR Corn

Trial ID: L0715

Study Dir.: Kevin Horkey

Location: Havelock

Investigator: Dr. Mark Bernards

Weed Code				ZEAMX	HELAN	AMAPA	ABUTH	ZEAMX
Rating Data Type				PHYCHL	CONTROL	CONTROL	CONTROL	PHYCHL
Rating Unit				%	%	%	%	%
Rating Date				24/May/2007	24/May/2007	24/May/2007	24/May/2007	31/May/2007
Trt No.	Treatment Name	Rate	Grow Stg	1	2	3	4	5
1	Check			0 c	0 C	0 c	0 c	
2	Select Max	4 oz/a	epost	75 b	0 C	0 c	0 c	
	NIS	0.25 % v/v	epost					
	AMS	17 lb/100 gal	epost					
3	Select Max	4 oz/a	epost	78 b	96 A	99 a	96 a	
	Roundup Original Max	22 oz/a	epost					
	NIS	0.25 % v/v	epost					
	AMS	17 lb/100 gal	epost					
4	Select Max	6 oz/a	epost	75 b	42 b	63 b	33 b	
	Degree Xtra	64 oz/a	epost					
	NIS	0.25 % v/v	epost					
	AMS	17 lb/100 gal	epost					
5	Gramoxone	0.28 lb ai/a	epost	85 a	80 a	95 a	87 a	43 a
	Sencor	0.14 lb ai/a	epost					
	COC	1 % v/v	epost					
6	Liberty	0.42 lb ai/a	epost	85 a	83 a	85 ab	82 a	60 a
	AMS	3 lb/a	epost					
7	Select Max	4 oz/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
8	Select Max	4 oz/a	mpost					
	Roundup Original Max	22 oz/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
9	Select Max	6 oz/a	mpost					
	Degree Xtra	64 oz/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
10	Select Max	8 oz/a	mpost					
	Degree Xtra	64 oz/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
11	Gramoxone	0.28 lb ai/a	mpost					
	Sencor	0.14 lb ai/a	mpost					
	COC	1 % v/v	mpost					
12	Liberty	0.42 lb ai/a	mpost					70 a
	AMS	3 lb/a	mpost					
13	Select Max	6 oz/a	mpost					
	Atrazine	1 lb ai/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
LSD (P=.05)				4.3	18.1	24.0	16.3	49.5
Standard Deviation				2.4	9.9	13.2	8.9	21.9
CV				3.55	19.83	23.13	18.04	37.83
Grand Mean				66.39	50.17	57.0	49.61	57.78
Bartlett's X2				0.0	6.898	8.302	2.863	0.257
P(Bartlett's X2)				.	0.075	0.016*	0.413	0.88
Replicate F				1.000	0.492	0.630	0.022	0.110
Replicate Prob(F)				0.4019	0.6257	0.5525	0.9788	0.8981
Treatment F				582.250	55.736	36.258	73.000	1.140
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.4058

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

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Weed Code	ZEAMX	HELAN	AMAPA	ABUTH	ZEAMX
Rating Data Type	PHYCHL	CONTROL	CONTROL	CONTROL	PHYCHL
Rating Unit	%	%	%	%	%
Rating Date	24/May/2007	24/May/2007	24/May/2007	24/May/2007	31/May/2007

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code				ZEAMX	HELAN	AMAPA	ABUTH	ZEAMX
Rating Data Type				PHYNEC	CONTROL	CONTROL	CONTROL	PHYNEC
Rating Unit				%	%	%	%	%
Rating Date				31/May/2007	31/May/2007	31/May/2007	31/May/2007	7/Jun/2007
Trt No.	Treatment Name	Rate	Grow Stg	6	7	8	9	10
1	Check			0 c	0 c	0 c	0 c	0 d
2	Select Max	4 oz/a	epost	92 a	0 c	0 c	0 c	93 a
	NIS	0.25 % v/v	epost					
	AMS	17 lb/100 gal	epost					
3	Select Max	4 oz/a	epost	95 a	88 a	85 ab	82 a	95 a
	Roundup Original Max	22 oz/a	epost					
	NIS	0.25 % v/v	epost					
	AMS	17 lb/100 gal	epost					
4	Select Max	6 oz/a	epost	95 a	52 b	73 ab	50 b	95 a
	Degree Xtra	64 oz/a	epost					
	NIS	0.25 % v/v	epost					
	AMS	17 lb/100 gal	epost					
5	Gramoxone	0.28 lb ai/a	epost	3 c	83 a	70 ab	73 ab	43 c
	Sencor	0.14 lb ai/a	epost					
	COC	1 % v/v	epost					
6	Liberty	0.42 lb ai/a	epost	17 bc	50 b	50 b	43 b	65 b
	AMS	3 lb/a	epost					
7	Select Max	4 oz/a	mpost	93 a	0 c	0 c	0 c	93 a
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
8	Select Max	4 oz/a	mpost	96 a	98 a	98 a	98 a	96 a
	Roundup Original Max	22 oz/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
9	Select Max	6 oz/a	mpost	95 a	48 b	67 ab	43 b	95 a
	Degree Xtra	64 oz/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
10	Select Max	8 oz/a	mpost	96 a	48 b	63 ab	43 b	96 a
	Degree Xtra	64 oz/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
11	Gramoxone	0.28 lb ai/a	mpost	95 a	95 a	95 a	96 a	95 a
	Sencor	0.14 lb ai/a	mpost					
	COC	1 % v/v	mpost					
12	Liberty	0.42 lb ai/a	mpost	23 b	90 a	78 ab	85 a	70 b
	AMS	3 lb/a	mpost					
13	Select Max	6 oz/a	mpost	95 a	43 b	50 b	40 b	95 a
	Atrazine	1 lb ai/a	mpost					
	NIS	0.25 % v/v	mpost					
	AMS	17 lb/100 gal	mpost					
LSD (P=.05)				14.8	15.6	22.7	24.3	8.1
Standard Deviation				8.8	9.3	13.5	14.4	4.8
CV				12.72	17.34	24.07	28.69	6.07
Grand Mean				68.92	53.51	56.08	50.31	79.44
Bartlett's X2				18.858	13.998	12.486	14.608	12.999
P(Bartlett's X2)				0.004*	0.122	0.131	0.067	0.043*
Replicate F				1.688	0.499	0.676	0.729	1.357
Replicate Prob(F)				0.2061	0.6133	0.5182	0.4927	0.2765
Treatment F				64.637	46.015	20.195	17.905	108.341
Treatment Prob(F)				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.

## University of Nebraska

Weed Code				HELAN	AMAPA	ABUTH	
Rating Data Type				CONTROL	CONTROL	CONTROL	
Rating Unit				%	%	%	
Rating Date				7/Jun/2007	7/Jun/2007	7/Jun/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	11	12	13
1	Check				0 d	0 e	0 e
2	Select Max	4	oz/a	epost	0 d	0 e	0 e
	NIS	0.25	% v/v	epost			
	AMS	17	lb/100 gal	epost			
3	Select Max	4	oz/a	epost	90 a	85 abc	88 a
	Roundup Original Max	22	oz/a	epost			
	NIS	0.25	% v/v	epost			
	AMS	17	lb/100 gal	epost			
4	Select Max	6	oz/a	epost	50 c	68 bcd	47 cd
	Degree Xtra	64	oz/a	epost			
	NIS	0.25	% v/v	epost			
	AMS	17	lb/100 gal	epost			
5	Gramoxone	0.28	lb ai/a	epost	80 a	67 bcd	67 bc
	Sencor	0.14	lb ai/a	epost			
	COC	1	% v/v	epost			
6	Liberty	0.42	lb ai/a	epost	67 b	68 bcd	65 bc
	AMS	3	lb/a	epost			
7	Select Max	4	oz/a	mpost	0 d	0 e	0 e
	NIS	0.25	% v/v	mpost			
	AMS	17	lb/100 gal	mpost			
8	Select Max	4	oz/a	mpost	98 a	98 a	98 a
	Roundup Original Max	22	oz/a	mpost			
	NIS	0.25	% v/v	mpost			
	AMS	17	lb/100 gal	mpost			
9	Select Max	6	oz/a	mpost	47 c	60 cd	43 cd
	Degree Xtra	64	oz/a	mpost			
	NIS	0.25	% v/v	mpost			
	AMS	17	lb/100 gal	mpost			
10	Select Max	8	oz/a	mpost	47 c	60 cd	43 cd
	Degree Xtra	64	oz/a	mpost			
	NIS	0.25	% v/v	mpost			
	AMS	17	lb/100 gal	mpost			
11	Gramoxone	0.28	lb ai/a	mpost	95 a	93 ab	96 a
	Sencor	0.14	lb ai/a	mpost			
	COC	1	% v/v	mpost			
12	Liberty	0.42	lb ai/a	mpost	88 a	77 a-d	80 ab
	AMS	3	lb/a	mpost			
13	Select Max	6	oz/a	mpost	43 c	48 d	40 d
	Atrazine	1	lb ai/a	mpost			
	NIS	0.25	% v/v	mpost			
	AMS	17	lb/100 gal	mpost			
LSD (P=.05)				13.2	19.6	16.9	
Standard Deviation				7.8	11.6	10.0	
CV				14.47	20.85	19.51	
Grand Mean				54.15	55.69	51.33	
Bartlett's X2				9.407	14.638	11.673	
P(Bartlett's X2)				0.309	0.101	0.166	
Replicate F				0.094	0.228	0.486	
Replicate Prob(F)				0.9106	0.7977	0.6212	
Treatment F				64.584	26.490	37.308	
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.